IES INDOOR REPORT
PHOTOMETRIC FILENAME : EPL-HB-300LED-RT-B-60DB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] RADIANT ZEMAX
[TESTDATE] 20200629
[ISSUEDATE] 2020-06-29 11:08:11
[MANUFAC] Larson Electronics LLC
[LUMCAT] EPL-HB-300LED-RT-B-60DB
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED FIXTURE - 60 DEGREE BEAM
[MORE] GROUP B HYDROGEN
[LAMP] LED
[LAMPPOSITION] 0,0
[OTHER] ZVISION 9107GT SYSTEM

CHARACTERISTICS



Lumens Per Lamp	41622.5 (1 lamp)
Total Lamp Lumens	41622.5
Luminaire Lumens	41407
Total Luminaire Efficiency	99 %
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	298.96
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.50 ft
Luminous Width (90-270)	1.50 ft
Luminous Height	0.60 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	48477	45617	51300
55	17759	20220	24686
65	1839	1745	2142
75	1004	958	1299
85	48	114	237

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Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	37005.40	137005.40	137005.40	137005.40	137005.40	137005.40	137005.40	137005.40	137005.40	137005.401
0.5	37278.70	037149.91	637255.37	837088.08	837043.29	136883.52	536841.66	936714.04	737271.51	937262.833
1.0	37271.51	937171.39	137267.34	737126.86	737054.50	836915.67	036837.22	336725.19	537250.11	237203.057
1.5	37235.74	937185.68	537265.77	437147.04	337048.55	736934.27	336816.29	536716.98	837214.27	437123.174
2.0	37207.16	137178.50	437245.66	637154.49	837028.38	136929.75	936778.26	836699.06	937149.91	637038.093
2.5	37164.21	037157.02	937206.06	637145.60	736997.81	036900.69	236725.94	836666.24	037092.67	136929.759
3.0	37262.08	037128.44	037162.02	137115.71	936944.73	736864.10	136669.93	436614.67	237035.42	636826.759
3.5	37182.95	037092.67	137108.26	437082.89	136892.41	636820.80	936596.06	936551.95	636949.52	436696.812
4.0	37081.38	637035.42	637038.77	737038.09	336834.21	436763.29	036517.62	236478.84	436849.39	736563.925
4.5	36975.37	736971.06	836962.58	736976.81	336758.84	536702.76	236433.22	636387.67	636734.90	736419.820
5.0	36839.41	236885.16	636864.10	136911.84	036680.39	836631.15	536322.01	836293.63	536606.19	136249.590
5.5	36704.33	536784.97	136766.29	936825.25	436581.84	336540.73	936215.25	736177.91	436477.33	936093.517
6.0	36559.47	936663.43	636640.04	636730.39	336479.59	636447.45	136097.27	936068.14	436319.96	735920.278
6.5	36389.24	936541.76	536522.13	636632.59	136372.76	636328.72	135980.80	635953.17	536176.82	035702.241
7.0	36225.65	336398.61	936394.44	736514.68	236237.62	236218.95	035846.34	535804.55	736033.74	235489.470
7.5	36044.20	636241.24	636232.42	436399.64	536102.47	736108.42	735691.77	735665.65	135847.71	335240.794
8.0	35820.97	136105.28	136076.35	136265.25	235957.62	135974.78	735540.90	235514.09	235647.39	035004.769
8.5	35612.64	635940.72	735884.44	036100.97	235788.14	335837.38	635376.69	035336.33	935432.70	434758.486
9.0	35388.59	135740.33	635699.23	235944.89	935626.87	235693.28	235180.33	435155.64	435225.26	834468.773
9.5	35125.82	535547.19	435502.12	335776.92	635436.46	635515.52	835001.07	634945.13	135024.94	534197.663
10.0	34871.88	235311.10	235261.65	335583.57	935250.50	535346.87	134786.04	834752.46	734753.08	333916.910
10.5	34570.26	935117.96	035036.91	435395.36	235054.90	135145.93	234576.28	734547.15	234481.15	233583.084
11.0	34293.20	834896.16	134803.96	735166.10	834827.08	434957.85	234350.72	734296.21	834237.87	933264.304
11.5	34003.56	434609.93	634533.67	834944.31	034610.55	234756.22	934088.64	534052.05	533930.24	732893.204
12.0	33645.86	934366.66	334274.60	634711.43	234370.90	334515.75	933838.53	233795.17	133622.54	732551.239
12.5	33306.09	234073.32	533995.35	734443.33	134090.90	234284.31	733568.99	533497.25	133336.39	032199.562
13.0	32958.17	733779.91	933658.59	034188.70	433819.10	834031.87	933251.65	133219.50	733000.10	231791.119
13.5	32560.95	133465.17	433348.63	333916.91	033538.28	733744.42	332961.18	632927.60	532656.63	231419.266
14.0	32190.60	233135.99	932996.95	633601.07	133212.80	433471.19	332654.99	132586.32	432291.75	630988.390
14.5	31758.97	432785.48	532655.81	233301.64	732908.86	633151.52	432306.25	532272.74	231933.99	230590.480
15.0	31358.80	732449.19	632296.61	232960.43	432554.24	832857.36	631981.45	731913.54	231357.98	630186.482
15.5	30945.85	032055.66	331878.45	732636.38	832216.72	932548.98	231605.91	131575.27	131099.66	629728.728
16.0	30475.37	431705.01	231493.95	132296.61	231867.99	332188.34	531257.92	731225.09	830710.64	629303.118
16.5	30034.92	331190.01	331092.96	331897.12	831464.81	631844.12	330900.30	030821.16	930260.34	728863.351
17.0	29577.92	130748.74	130638.21	831525.27	531085.50	831454.35	230487.34	330449.31	729846.70	628371.264
17.5	29066.41	030318.68	630207.41	131138.44	430651.62	331089.27	030104.34	230019.19	329421.84	927915.082
18.0	28601.26	929825.84	629716.75	930694.23	230240.92	330709.14	229659.99	329619.71	028931.26	627446.864
18.5	28076.28	529375.54	629270.29	030280.52	329822.08	430274.57	229247.85	729217.96	928488.48	926921.948
19.0	27596.23	428911.09	028814.86	129804.16	529345.65	929872.08	028824.50	428754.33	328035.24	926441.829
19.5	27113.85	828395.13	328302.59	729366.58	728898.43	729457.68	628346.64	228327.97	127518.54	025896.805
20.0	26578.47	827927.73	527831.36	928921.55	428447.38	528988.78	427903.11	427890.39	227045.87	625406.906
20.5	26096.85	427449.87	327305.01	728411.61	627941.96	128549.70	127453.63	527394.61	226515.00	924912.630
21.0	25613.04	226921.19	526828.59	127940.45	627477.43	628097.96	526946.56	926938.36	226025.17	924360.835
21.5	25073.90	026438.81	926351.48	227465.60	426950.33	127590.28	426482.93	326421.65	325521.19	023858.283
22.0	24586.32	725898.99	325810.90	326936.92	626470.14	327125.75	925952.75	025937.84	124961.94	123356.552
22.5	24039.73	025412.92	425329.28	026456.73	825982.63	826601.59	525468.18	625453.96	024465.40	822791.284
23.0	23543.19	624926.03	524840.95	425970.66	925446.50	526122.22	824978.28	724917.14	423959.84	722288.048
23.5	23048.92	024392.98	024308.58	325433.78	424958.86	325639.10	024439.96	624434.69	923393.82	621734.749
24.0	22504.51	223902.32	823820.18	824950.65	624477.24	025103.03	623949.38	323938.98	722886.89	721239.652
24.5	22011.05	623410.30	923329.60	524421.29	423937.48	224619.15	523449.08	823390.06	522385.02	920758.781
25.0	21515.96	022868.97	822783.07	723941.92	823447.65	124134.59	122895.78	822898.79	821831.79	820232.360
25.5	20979.07	422376.89	122296.93	923452.84	922958.50	523593.94	422403.01	722401.51	221338.27	519758.191
26.0	20504.15	321827.35	321755.60	922899.55	022421.68	823098.16	321905.66	321851.15	420800.56	919247.500
26.5	19971.78	221333.76	121265.02	622403.01	721935.55	122547.05	221351.68	021361.39	120319.01	418796.517

CANDELA TABULATION - (Cont.)

27.0	19500.62	320841.67	320775.19	521850.47	021390.52	722055.78	520867.79	920825.94	319842.58	818359.691		
27.5	19038.49	120304.78	820234.61	721362.89	620902.20	121563.69	820335.42	820347.32	819329.64	017888.600		
28.0	18531.42	619826.17	419749.30	020879.01	620419.07	321019.42	619860.50	719873.98	018880.84	617470.377		
28.5	18086.39	219357.20	319228.82	920347.32	819886.70	120542.31	719399.05	919360.28	118444.84	017017.136		
29.0	17652.57	618844.32	418769.63	919868.78	219417.79	920072.59	418898.01	218904.03	117975.11	716617.653		
29.5	17177.72	318391.08	318320.16	019403.57	318959.29	219551.37	118455.30	418464.19	517558.46	716235.404		
30.0	16764.01	417953.50	517831.83	418897.32	818461.93	819100.38	718020.73	517987.83	817106.04	715823.200		
30.5	16321.23	717474.89	117403.89	918452.29	518024.42	818652.41	317557.78	317567.49	516704.30	715464.000		
31.0	15940.42	517049.96	516985.81	217959.45	517546.49	818163.33	517144.82	617107.48	316318.22	815123.539		
31.5	15563.30	616591.59	516525.80	117526.39	117118.70	017733.21	116737.13	516702.05	015906.84	414752.439		
32.0	15165.39	616193.54	816127.07	017102.28	616705.05	917261.29	916295.11	116312.27	815548.39	714434.411		
32.5	14829.38	115806.78	515697.76	716643.02	716258.52	116846.90	615909.10	115884.41	115199.66	114102.090		
33.0	14523.18	515391.57	115327.41	916242.85	915865.80	916440.72	015492.45	115509.61	814831.63	813830.296		
33.5	14207.41	515039.89	514974.92	115852.33	515447.65	416007.58	715131.74	615157.12	014511.21	713575.669		
34.0	13942.25	514671.12	014606.07	815435.68	515084.00	815629.78	414789.02	914780.07	014178.28	013318.101		
34.5	13696.65	614368.61	714296.18	915073.54	414737.52	915259.43	614428.39	314462.04	213896.77	413105.262		
35.0	13444.28	614090.87	314011.74	314692.73	214373.13	114867.40	714123.77	014122.19	713641.39	512910.410		
35.5	13236.64	513801.91	313719.02	114372.37	914069.94	514532.89	713807.86	313824.34	613383.75	812711.797		
36.0	13018.67	613560.00	713481.62	814068.50	913792.95	314188.67	513539.83	113551.80	013169.41	412543.003		
36.5	12833.46	813336.70	413262.08	713761.62	913507.75	513895.20	113291.97	513273.23	512972.30	612378.723		
37.0	12658.79	213107.51	913036.52	713513.63	613274.80	813623.40	713042.54	513046.23	912766.99	012204.800		
37.5	12475.08	912914.85	612846.87	313285.20	413060.46	413346.41	612834.22	012832.71	612594.50	312052.488		
38.0	12318.26	412716.99	512646.82	313055.26	612840.17	113123.18	112641.55	712619.19	312410.11	511888.892		
38.5	12148.03	312550.45	812475.08	912865.61	312658.79	212915.60	812441.50	812443.69	612257.05	211746.293		
39.0	12003.17	712392.94	912316.00	712667.68	312467.56	512699.07	612277.22	812260.06	112102.48	411605.130		
39.5	11863.51	812223.40	212146.52	912495.94	912307.04	712516.12	412120.40	312100.97	911935.26	311446.868		
40.0	11714.90	012077.04	112003.17	712336.93	512150.97	412332.42	111950.92	511944.90	611786.64	511302.764		
40.5	11579.75	611932.18	511862.76	612167.45	711986.69	412174.09	111803.81	111779.12	111638.77	911131.029		
41.0	11440.85	011775.36	011711.96	012019.52	311842.59	012021.09	611644.04	511629.06	711472.24	210961.483		
41.5	11285.59	811643.22	511579.07	211876.24	011686.58	611854.55	911499.18	911479.01	311313.22	810786.055		
42.0	11147.44	411511.84	211430.45	411724.61	211549.93	711709.70	311350.57	111313.91	211128.77	210583.749		
42.5	10985.42	111362.47	111296.81	411593.16	111414.79	211570.04	411182.52	911162.42	210955.60	110391.838		
43.0	10830.85	311231.08	811163.85	811445.36	411263.91	711416.22	811025.02	010988.43	010779.35	310184.197		
43.5	10663.63	211083.97	511020.50	611315.41	711125.76	311272.87	610862.99	710827.91	210579.98	79935.588		
44.0	10459.75	210947.32	610887.55	011182.52	910973.45	211107.16	010679.97	810657.61	310394.77	99689.920		
44.5	10258.13	010806.23	110743.51	511031.72	310793.51	010959.29	510509.74	710468.71	210192.47	29400.892		
45.0	10040.84	510627.72	510566.51	410888.37	110625.46	810800.21	210308.87	710293.21	59945.300	9126.157		
45.5	9781.020	10453.80	210391.01	710732.98	210451.54	510612.06	310122.30	110088.65	29704.078	8837.197		
46.0	9528.650	10240.96	310178.24	610553.04	010247.66	510429.18	09920.678	9889.286	9418.879	8504.191		
46.5	9263.558	10028.87	69969.169	10375.35	510049.87	310237.27	09680.209	9672.001	9144.828	8195.807		
47.0	8953.670	9793.741	9736.223	10164.02	19816.858	10017.72	89440.491	9406.910	8855.868	7876.206		
47.5	8654.245	9509.226	9455.469	9958.021	9590.545	9806.394	9187.437	9153.788	8519.101	7505.858		
48.0	8309.339	9241.126	9185.864	9728.768	9344.194	9559.221	8893.963	8886.439	8207.776	7169.844		
48.5	7988.918	8961.125	8906.615	9450.955	9055.986	9318.068	8616.219	8574.362	7889.611	6830.888		
49.0	7656.665	8638.583	8584.826	9186.616	8776.737	9058.927	8297.371	8285.402	7524.530	6455.273		
49.5	7285.564	8337.654	8279.452	8908.120	8485.520	8753.552	8000.887	7988.234	7192.960	6119.259		
50.0	6945.104	8021.815	7964.297	8585.510	8148.000	8467.601	7692.503	7639.498	6821.860	5736.189		
50.5	6602.318	7655.160	7600.719	8282.392	7833.666	8170.433	7337.133	7315.452	6478.459	5386.770		
51.0	6215.556	7318.393	7265.389	7968.811	7476.039	7826.211	7013.771	6955.568	6131.159	5034.340		
51.5	5866.136	6940.590	6887.654	7605.165	7148.915	7507.363	6681.518	6627.692	5745.217	4645.321		
52.0	5477.801	6598.625	6544.116	7274.416	6815.910	7146.727	6309.665	6297.696	5400.995	4301.099		
52.5	5129.202	6252.899	6196.132	6901.059	6438.859	6815.226	5975.155	5926.596	5020.867	3964.332		
53.0	4781.218	5862.443	5808.618	6558.342	6099.835	6480.647	5638.387	5589.144	4677.397	3742.602		
53.5	4397.396	5510.766	5457.693	6219.318	5756.365	6111.051	5267.287	5253.061	4335.432	3272.058		
54.0	4055.431	5162.030	5111.214	5840.010	5375.553	5775.789	4928.263	4879.020	3961.323	2929.341		
54.5	3811.952	4773.695	4727.461	5497.977	5032.836	5403.184	4551.965	4544.510	3634.267	2631.421		

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Calculations based on published IES Methods and recommendations, values rounded for display purposes.
Results derived from content of manufacturers photometric file.

CANDELA TABULATION - (Cont.)

55.0	3348.795	4425.780	4386.932	5114.223	4654.964	5067.169	4219.711	4177.855	3312.478	2346.017
55.5	3034.392	4049.481	4015.080	4766.992	4313.820	4728.213	3908.318	3853.809	2869.634	2046.866
56.0	2689.350	3717.912	3796.290	4422.770	3977.053	4351.163	3522.376	3537.970	2671.225	1796.684
56.5	2385.958	3386.411	3351.667	4045.720	3754.502	4019.593	3209.410	3192.243	2382.949	1561.481
57.0	2099.665	2871.001	2997.460	3713.466	3290.182	3694.727	2905.198	2830.650	2082.909	1314.377
57.5	1804.139	2717.459	2686.477	3389.352	2983.713	3343.871	2579.442	2579.168	1835.531	1111.318
58.0	1556.351	2386.847	2357.644	2887.347	2651.050	2890.630	2302.040	2308.879	1581.178	917.082
58.5	1300.903	2104.521	2073.471	2738.251	2360.448	2712.466	2011.643	2052.200	1365.124	769.558
59.0	1095.109	1835.189	1802.840	2446.965	2051.038	2427.746	1769.327	1784.852	1168.084	647.955
59.5	916.124	1554.299	1523.249	2136.461	1796.684	2152.328	1540.826	1558.950	984.175	541.809
60.0	748.356	1319.369	1294.132	1870.685	1561.686	1859.674	1308.495	1347.274	841.166	465.620
60.5	621.214	1108.924	1085.055	1595.198	1315.266	1618.589	1121.645	1138.607	710.056	408.443
61.0	520.334	904.361	881.244	1365.671	1112.891	1397.953	959.007	973.780	588.795	376.093
61.5	446.059	748.356	726.402	1154.679	937.121	1175.607	802.934	828.855	502.962	353.113
62.0	403.929	606.304	590.710	951.620	775.098	1000.248	678.664	691.658	430.671	341.418
62.5	376.435	507.339	495.781	796.163	652.743	848.142	566.431	589.616	389.088	331.911
63.0	349.009	438.468	428.756	666.763	557.266	706.842	491.267	497.491	366.518	322.405
63.5	334.442	396.132	383.958	557.335	478.477	604.868	434.022	434.022	351.335	312.351
64.0	321.926	372.810	367.544	484.906	424.310	526.216	386.831	391.755	341.418	303.186
64.5	311.599	358.790	353.523	427.046	381.701	459.054	369.801	362.825	331.980	294.842
65.0	302.092	348.052	341.418	393.602	351.882	411.589	343.675	348.189	321.310	286.293
65.5	293.269	336.699	330.338	372.400	337.998	376.230	331.706	336.836	312.146	279.317
66.0	286.225	323.294	315.976	357.559	325.893	356.464	321.242	326.919	303.597	271.862
66.5	279.043	311.940	306.059	346.274	315.976	344.085	310.573	317.412	294.842	265.091
67.0	272.820	303.391	297.304	335.399	305.170	332.048	301.066	308.110	287.661	257.705
67.5	266.596	294.774	288.277	323.978	296.552	322.747	292.585	299.767	279.796	249.156
68.0	259.004	287.524	280.480	314.334	289.166	313.855	283.626	291.833	269.195	241.359
68.5	251.960	281.164	273.162	304.554	281.574	304.212	275.829	283.284	265.502	232.057
69.0	244.710	271.383	265.775	296.278	274.803	297.031	268.306	264.818	257.158	223.440
69.5	235.409	266.733	259.415	288.687	268.579	288.618	260.372	269.537	249.566	214.686
70.0	226.381	259.346	252.302	281.369	261.672	281.574	253.259	262.014	240.607	204.632
70.5	216.601	251.960	245.257	266.801	255.174	270.905	246.078	254.627	232.194	196.014
71.0	207.983	244.231	237.802	268.443	247.583	267.211	237.734	246.215	223.645	186.439
71.5	199.571	234.656	228.706	260.783	240.196	260.099	229.800	237.666	214.138	175.086
72.0	189.585	225.081	219.815	252.986	232.057	251.481	220.773	229.117	205.179	165.306
72.5	179.600	216.190	210.240	244.163	222.277	243.411	211.813	219.747	195.330	156.894
73.0	171.051	206.273	198.955	235.204	214.070	235.067	202.922	210.650	183.704	148.755
73.5	161.955	197.245	188.696	225.834	205.453	224.466	193.347	201.965	174.197	141.505
74.0	154.158	187.602	178.232	215.848	195.194	215.301	184.456	192.253	165.579	132.067
74.5	144.651	178.574	169.820	206.615	185.140	206.615	175.702	183.020	157.167	122.287
75.0	135.487	170.299	161.476	196.972	175.360	196.561	165.648	171.940	149.781	112.575
75.5	126.185	160.587	152.311	185.277	165.648	187.260	156.415	163.254	140.069	103.410
76.0	116.884	152.585	142.668	175.154	157.509	177.822	146.361	155.184	131.657	95.819
76.5	109.702	144.036	133.640	165.511	148.823	167.426	138.085	147.113	122.902	87.817
77.0	102.863	133.024	124.612	157.441	140.616	158.535	130.494	139.248	113.532	79.131
77.5	94.656	123.518	116.610	149.917	131.657	149.302	122.560	130.152	105.325	71.607
78.0	87.064	115.105	105.872	140.000	122.150	141.300	114.832	120.919	97.734	64.358
78.5	79.131	106.967	95.887	130.289	114.148	132.682	103.547	112.438	89.868	57.382
79.0	70.650	99.717	86.996	119.688	106.556	123.518	94.451	103.410	83.508	49.653
79.5	63.127	90.142	79.951	111.207	98.281	115.516	86.244	95.066	75.916	41.651
80.0	55.262	81.388	73.181	103.068	90.552	108.129	78.926	86.928	67.983	35.359
80.5	49.106	73.386	64.905	93.835	82.414	99.238	71.539	78.652	59.912	30.366
81.0	42.677	65.726	56.287	85.423	75.369	90.621	63.742	71.881	52.184	27.152
81.5	35.154	59.228	49.517	77.694	68.667	81.798	56.014	65.794	45.823	22.091
82.0	28.930	51.432	43.430	70.103	60.801	74.548	49.927	57.655	38.300	16.756
82.5	24.827	44.934	37.274	63.811	53.415	68.393	43.977	49.858	32.350	13.200

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CANDELA TABULATION - (Cont.)

83.0	20.655	39.121	30.777	54.920	46.507	60.733	36.385	42.609	27.357	8.276
83.5	14.773	33.171	27.220	47.328	39.668	53.210	30.435	36.932	19.902	5.129
84.0	10.396	28.110	23.254	40.831	33.376	46.370	25.921	31.871	15.046	2.873
84.5	8.276	21.270	19.834	35.154	27.289	39.258	22.775	26.468	12.242	0.889
85.0	4.856	17.167	15.525	30.161	24.074	33.991	19.218	20.039	8.481	0.205
85.5	2.667	12.995	11.080	23.185	18.740	27.973	14.636	15.183	6.019	0.068
86.0	1.436	8.618	7.865	18.535	13.679	21.065	11.011	10.464	4.309	0.000
86.5	0.342	6.019	4.924	14.910	10.054	16.893	7.455	8.344	2.941	0.000
87.0	0.274	3.898	1.710	10.464	6.566	12.037	3.488	4.993	2.052	0.000
87.5	0.000	2.120	0.479	7.318	3.693	8.891	1.026	2.873	1.094	0.000
88.0	0.000	1.847	0.342	4.993	2.394	6.019	0.410	2.462	1.094	0.000
88.5	0.000	1.026	0.000	2.941	0.616	3.693	0.000	1.778	0.821	0.000
89.0	0.000	1.026	0.000	2.189	0.205	2.531	0.000	1.368	0.889	0.000
89.5	0.000	0.958	0.000	1.778	0.068	1.915	0.000	0.889	0.616	0.000
90.0	0.000	0.547	0.000	1.094	0.000	1.505	0.000	0.616	0.684	0.000
90.5	0.000	0.684	0.000	0.821	0.000	1.026	0.000	0.684	0.616	0.000
91.0	0.000	0.958	0.000	0.752	0.000	0.889	0.000	0.274	0.616	0.000
91.5	0.000	0.752	0.000	0.752	0.000	0.752	0.000	0.274	0.752	0.000
92.0	0.000	0.342	0.000	0.547	0.000	0.752	0.000	0.479	0.684	0.000
92.5	0.000	0.479	0.000	0.616	0.000	0.616	0.000	0.547	0.616	0.000
93.0	0.000	0.479	0.000	0.752	0.000	0.547	0.000	0.684	0.616	0.000
93.5	0.000	0.547	0.000	0.684	0.000	0.684	0.000	0.479	0.342	0.000
94.0	0.000	0.410	0.000	0.342	0.000	0.616	0.000	0.547	0.479	0.000
94.5	0.000	0.342	0.000	0.479	0.000	0.410	0.000	0.410	0.342	0.000
95.0	0.000	0.342	0.000	0.410	0.000	0.410	0.000	0.342	0.274	0.000
95.5	0.000	0.342	0.000	0.342	0.000	0.342	0.000	0.410	0.410	0.000
96.0	0.000	0.205	0.000	0.137	0.000	0.342	0.000	0.342	0.274	0.000
96.5	0.000	0.410	0.000	0.274	0.000	0.342	0.000	0.342	0.479	0.000
97.0	0.000	0.205	0.000	0.342	0.000	0.342	0.000	0.342	0.205	0.000
97.5	0.000	0.342	0.000	0.205	0.000	0.205	0.000	0.410	0.205	0.000
98.0	0.000	0.137	0.000	0.137	0.000	0.137	0.000	0.410	0.547	0.000
98.5	0.000	0.137	0.000	0.205	0.000	0.274	0.000	0.205	0.342	0.000
99.0	0.000	0.137	0.000	0.205	0.000	0.137	0.000	0.068	0.205	0.000
99.5	0.000	0.205	0.000	0.205	0.000	0.205	0.000	0.205	0.274	0.000
100.0	0.000	0.274	0.000	0.205	0.000	0.205	0.000	0.137	0.274	0.000
100.5	0.000	0.274	0.000	0.068	0.000	0.342	0.000	0.068	0.342	0.000
101.0	0.000	0.137	0.000	0.137	0.000	0.410	0.000	0.068	0.479	0.000
101.5	0.000	0.137	0.000	0.000	0.000	0.274	0.000	0.274	0.410	0.000
102.0	0.000	0.068	0.000	0.205	0.000	0.274	0.000	0.205	0.410	0.000
102.5	0.000	0.205	0.000	0.205	0.000	0.137	0.000	0.274	0.410	0.000
103.0	0.000	0.274	0.000	0.205	0.000	0.068	0.000	0.342	0.137	0.000
103.5	0.000	0.137	0.000	0.068	0.000	0.137	0.000	0.137	0.274	0.000
104.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.137	0.616	0.000
104.5	0.000	0.137	0.000	0.068	0.000	0.137	0.000	0.137	0.342	0.000
105.0	0.000	0.205	0.000	0.205	0.000	0.137	0.000	0.274	0.205	0.000
105.5	0.000	0.000	0.000	0.137	0.000	0.137	0.000	0.274	0.274	0.000
106.0	0.000	0.205	0.000	0.274	0.000	0.068	0.000	0.137	0.205	0.000
106.5	0.000	0.068	0.000	0.205	0.000	0.342	0.000	0.000	0.342	0.068
107.0	0.000	0.205	0.000	0.000	0.000	0.137	0.000	0.000	0.274	0.068
107.5	0.000	0.205	0.000	0.000	0.000	0.137	0.000	0.137	0.342	0.137
108.0	0.000	0.205	0.000	0.274	0.000	0.000	0.000	0.137	0.410	0.000
108.5	0.000	0.137	0.000	0.137	0.000	0.137	0.000	0.137	0.274	0.137
109.0	0.000	0.000	0.000	0.205	0.000	0.000	0.000	0.068	0.410	0.000
109.5	0.000	0.205	0.000	0.137	0.000	0.000	0.000	0.137	0.342	0.137
110.0	0.000	0.137	0.000	0.068	0.000	0.205	0.000	0.137	0.205	0.000
110.5	0.000	0.205	0.000	0.000	0.000	0.137	0.000	0.068	0.342	0.137

CANDELA TABULATION - (Cont.)

111.0	0.000	0.068	0.000	0.137	0.000	0.137	0.000	0.205	0.205	0.137
111.5	0.000	0.137	0.000	0.068	0.000	0.068	0.000	0.205	0.410	0.068
112.0	0.000	0.068	0.000	0.137	0.000	0.068	0.000	0.137	0.479	0.137
112.5	0.000	0.137	0.000	0.000	0.000	0.000	0.000	0.068	0.684	0.205
113.0	0.000	0.137	0.000	0.068	0.000	0.137	0.000	0.137	0.410	0.205
113.5	0.000	0.205	0.000	0.137	0.000	0.137	0.000	0.137	0.410	0.137
114.0	0.000	0.137	0.000	0.068	0.000	0.137	0.000	0.137	0.616	0.342
114.5	0.000	0.205	0.000	0.068	0.205	0.274	0.000	0.205	0.410	0.205
115.0	0.000	0.068	0.000	0.342	0.000	0.068	0.000	0.000	0.684	0.205
115.5	0.000	0.137	0.068	0.205	0.000	0.137	0.000	0.137	0.479	0.274
116.0	0.000	0.137	0.000	0.137	0.000	0.205	0.000	0.274	0.410	0.410
116.5	0.000	0.000	0.000	0.137	0.000	0.274	0.000	0.274	0.684	0.205
117.0	0.137	0.205	0.000	0.342	0.000	0.205	0.000	0.547	0.547	0.205
117.5	0.000	0.137	0.000	0.137	0.000	0.068	0.000	0.068	0.616	0.205
118.0	0.068	0.205	0.000	0.068	0.000	0.068	0.000	0.205	0.616	0.205
118.5	0.000	0.274	0.000	0.068	0.000	0.410	0.000	0.342	0.752	0.616
119.0	0.000	0.342	0.068	0.137	0.000	0.205	0.000	0.068	0.752	0.342
119.5	0.000	0.137	0.000	0.410	0.000	0.479	0.274	0.342	0.752	0.410
120.0	0.137	0.274	0.000	0.479	0.205	0.137	0.000	0.205	0.752	0.547
120.5	0.068	0.274	0.205	0.205	0.000	0.342	0.068	0.205	0.616	0.616
121.0	0.000	0.274	0.137	0.274	0.000	0.274	0.205	0.205	1.163	0.752
121.5	0.137	0.342	0.068	0.479	0.274	0.274	0.205	0.274	0.889	0.616
122.0	0.068	0.274	0.000	0.205	0.205	0.479	0.000	0.410	0.889	0.684
122.5	0.274	0.410	0.137	0.684	0.068	0.274	0.000	0.274	0.889	0.821
123.0	0.274	0.410	0.342	0.342	0.137	0.410	0.137	0.410	0.889	0.821
123.5	0.274	0.274	0.137	0.205	0.342	0.205	0.137	0.479	1.368	0.752
124.0	0.479	0.342	0.137	0.342	0.000	0.274	0.137	0.479	1.436	1.026
124.5	0.000	0.479	0.137	0.616	0.068	0.616	0.068	0.274	1.573	1.368
125.0	0.205	0.752	0.479	0.342	0.205	0.342	0.137	0.479	1.163	0.889
125.5	0.205	0.410	0.137	0.479	0.205	0.479	0.342	0.342	1.163	0.821
126.0	0.410	0.684	0.068	0.410	0.205	0.547	0.274	0.684	1.710	1.163
126.5	0.410	0.684	0.342	0.684	0.205	0.479	0.205	0.547	1.573	1.094
127.0	0.410	0.684	0.479	0.684	0.137	0.479	0.342	0.479	1.436	1.163
127.5	0.274	0.684	0.410	0.684	0.274	0.547	0.547	0.752	1.505	1.505
128.0	0.479	1.026	0.479	0.616	0.137	0.616	0.410	0.616	1.778	1.299
128.5	0.410	0.752	0.342	0.616	0.205	1.094	0.410	1.026	1.641	1.368
129.0	0.547	0.889	0.205	0.752	0.342	0.684	0.274	0.547	1.778	1.436
129.5	0.547	0.752	0.342	0.684	0.342	0.684	0.410	0.752	1.641	1.368
130.0	0.821	0.958	0.479	0.752	0.410	0.547	0.547	0.752	1.847	1.710
130.5	0.684	0.821	0.547	0.752	0.479	0.752	0.342	0.684	1.983	1.847
131.0	0.752	0.958	0.616	0.889	0.547	0.684	0.479	1.026	2.120	1.983
131.5	1.026	1.026	0.752	1.026	0.342	0.889	0.752	1.163	2.257	1.983
132.0	0.821	1.163	0.684	0.889	0.684	0.958	0.752	0.821	2.531	1.641
132.5	0.684	0.889	0.684	1.026	0.547	1.163	0.958	1.094	2.257	2.120
133.0	0.821	0.821	0.684	0.889	0.684	1.026	0.684	0.889	2.325	1.710
133.5	1.026	1.026	0.821	0.821	0.821	0.821	0.821	1.299	2.325	2.394
134.0	0.958	1.368	0.821	1.026	0.752	1.299	0.821	1.094	2.531	2.394
134.5	0.958	1.505	0.889	1.094	0.889	1.163	0.958	1.573	2.667	2.394
135.0	1.094	1.094	0.958	1.026	0.821	1.163	0.889	0.958	3.146	2.325
135.5	1.299	1.368	0.958	1.505	0.958	1.094	0.958	1.163	2.736	2.736
136.0	1.299	1.505	1.094	1.299	0.821	1.368	0.958	1.641	2.873	2.804
136.5	1.368	1.573	1.026	1.436	0.889	1.436	1.026	1.436	2.736	2.873
137.0	1.026	1.094	0.958	1.299	1.505	1.436	1.163	1.299	3.078	3.078
137.5	1.299	1.573	1.299	1.026	1.026	1.505	1.436	1.778	3.488	3.146
138.0	1.368	2.052	1.163	1.847	1.299	1.573	1.436	1.710	3.078	3.214
138.5	1.710	1.778	1.368	1.573	1.163	1.436	1.436	1.710	3.625	3.556

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CANDELA TABULATION - (Cont.)

139.0	1.847	1.915	1.163	1.641	1.368	1.847	1.505	1.983	3.625	3.420
139.5	1.641	2.052	1.368	1.641	1.573	1.641	1.436	1.163	3.625	3.898
140.0	2.189	2.462	1.573	1.641	1.710	2.052	1.573	1.983	3.967	3.830
140.5	1.778	1.847	1.778	1.573	1.641	1.778	1.915	1.983	3.967	4.035
141.0	2.120	2.052	1.778	1.847	1.573	2.052	1.983	1.778	4.446	4.104
141.5	1.847	1.983	2.120	1.847	1.641	1.778	1.573	1.847	4.104	4.104
142.0	2.257	2.189	2.052	1.847	1.847	1.915	1.983	2.189	4.377	4.035
142.5	2.325	2.394	1.983	2.257	1.847	2.257	2.052	2.394	4.377	4.377
143.0	2.462	2.120	1.847	2.052	1.847	2.531	2.257	2.531	4.582	4.582
143.5	2.531	2.325	2.394	2.257	2.189	2.736	2.189	2.394	4.514	5.129
144.0	2.462	2.736	2.120	2.120	2.189	2.531	2.257	2.667	4.582	4.377
144.5	2.599	2.394	1.983	2.257	2.257	2.531	2.462	2.667	4.993	4.788
145.0	2.531	2.531	2.462	2.462	2.599	2.667	2.531	2.804	5.129	4.788
145.5	2.736	3.009	2.599	2.462	2.257	2.736	2.531	3.009	5.198	4.924
146.0	3.146	3.009	2.873	3.009	2.667	3.078	2.531	3.009	5.129	5.266
146.5	2.873	2.804	2.804	2.736	2.736	3.146	2.736	3.420	5.403	5.061
147.0	3.214	3.146	2.804	3.283	2.736	3.146	3.009	3.351	5.471	5.608
147.5	3.283	3.625	2.667	2.941	2.736	2.804	3.351	3.351	5.471	5.335
148.0	3.625	3.146	3.009	3.078	3.009	3.283	3.420	3.283	5.745	6.019
148.5	3.625	3.830	3.420	3.078	3.078	3.283	3.214	3.283	6.019	6.019
149.0	3.830	3.830	3.009	3.488	3.420	3.693	3.351	3.625	5.745	6.155
149.5	3.830	3.693	3.420	3.488	3.625	4.172	3.488	3.830	6.087	5.950
150.0	4.240	3.420	3.625	3.625	3.420	3.898	3.967	4.104	5.882	6.429
150.5	4.104	4.172	3.625	3.556	3.625	3.967	4.172	4.035	6.361	6.087
151.0	4.788	4.035	4.035	3.693	4.172	4.035	3.898	4.377	6.155	6.566
151.5	4.446	4.309	4.172	4.035	3.967	3.830	4.172	4.309	6.634	6.771
152.0	4.377	4.104	4.309	3.967	3.967	4.309	3.898	4.446	6.155	6.839
152.5	4.240	4.719	4.446	4.582	4.104	4.377	4.377	5.061	6.771	6.976
153.0	4.788	4.240	4.719	4.172	4.240	4.582	4.309	4.651	7.044	6.839
153.5	4.651	4.651	4.582	4.309	4.514	4.993	4.719	5.061	7.044	6.771
154.0	4.924	4.514	4.719	4.514	4.514	4.377	4.651	5.266	7.318	7.318
154.5	5.061	5.335	4.788	4.856	4.377	4.856	5.061	5.335	7.592	7.044
155.0	4.924	5.266	4.856	4.788	4.856	4.856	5.335	5.471	7.113	6.908
155.5	5.266	5.266	5.061	5.129	5.403	5.061	4.993	5.813	7.523	7.797
156.0	5.471	5.471	4.993	5.198	5.198	5.335	5.266	5.677	7.318	7.797
156.5	5.608	5.471	5.198	5.061	5.198	5.677	5.266	5.745	7.455	7.318
157.0	5.677	5.950	5.198	5.813	5.335	5.471	5.335	5.813	7.592	7.865
157.5	5.813	5.677	5.403	5.471	5.950	5.608	5.813	5.882	7.455	7.592
158.0	5.745	5.608	5.471	5.950	5.950	6.087	5.813	6.087	7.934	7.660
158.5	6.087	6.087	5.950	5.266	5.950	5.608	6.019	6.087	7.592	8.070
159.0	6.155	6.429	5.540	5.882	5.813	6.019	5.813	6.497	8.276	8.207
159.5	6.019	6.703	5.950	6.292	5.950	6.019	6.292	6.292	7.865	7.797
160.0	6.703	6.703	5.950	5.950	6.087	6.019	6.429	6.703	8.481	8.070
160.5	6.566	6.703	6.087	6.429	6.429	6.361	6.566	7.181	8.412	8.070
161.0	6.703	6.634	6.429	6.771	6.497	6.429	6.634	6.771	8.412	8.481
161.5	7.044	6.703	6.839	6.497	6.703	6.908	6.497	6.839	8.344	8.618
162.0	6.566	6.703	6.566	6.703	6.429	6.634	6.703	6.703	8.344	8.891
162.5	6.908	7.113	7.113	6.497	6.497	7.113	7.250	7.044	8.276	8.686
163.0	6.908	6.908	7.044	6.771	7.044	7.044	7.318	7.318	8.207	8.959
163.5	6.976	7.250	7.181	6.976	6.566	7.113	7.250	7.386	8.823	8.207
164.0	7.250	6.908	7.181	7.660	6.908	7.660	7.113	7.181	8.344	8.481
164.5	7.523	7.181	6.976	7.318	6.908	7.113	7.250	7.592	8.823	8.276
165.0	7.934	7.386	7.250	7.044	7.865	7.318	7.660	7.728	8.823	8.481
165.5	7.318	7.455	7.523	7.113	6.976	7.181	7.523	7.865	8.686	9.096
166.0	7.250	7.728	7.250	7.728	7.660	7.386	7.728	7.728	8.823	8.959
166.5	8.207	7.934	7.386	7.386	7.728	8.002	7.250	7.660	9.096	9.233

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CANDELA TABULATION - (Cont.)

167.0	7.728	7.592	7.455	7.523	7.386	7.934	7.455	8.002	9.096	9.438
167.5	7.934	7.728	7.934	7.523	7.728	7.865	8.002	8.070	9.438	9.096
168.0	8.002	8.207	8.002	7.660	8.070	8.002	7.523	8.002	8.959	9.165
168.5	8.276	8.276	8.481	7.934	7.523	8.139	8.139	8.481	9.165	9.096
169.0	8.207	8.139	7.660	7.728	7.934	7.728	8.070	8.344	9.438	9.233
169.5	8.481	8.344	8.276	8.618	7.934	8.276	8.207	8.549	9.507	9.301
170.0	8.549	8.276	8.207	8.070	8.070	8.276	8.618	8.891	9.643	9.370
170.5	8.549	8.891	8.207	8.549	7.728	8.481	8.412	8.549	9.165	9.438
171.0	8.823	8.070	8.412	8.344	8.344	8.618	8.823	8.549	9.643	9.507
171.5	8.686	8.139	8.412	8.344	8.549	8.276	8.412	8.686	9.643	9.301
172.0	8.891	8.344	8.481	8.549	8.481	8.549	8.481	8.618	9.507	9.370
172.5	8.344	8.686	8.481	8.686	8.549	9.165	8.344	8.823	9.575	9.301
173.0	8.823	8.481	8.481	8.891	8.959	8.481	8.959	9.233	9.643	9.780
173.5	9.233	8.618	8.686	8.686	8.549	8.549	8.823	8.891	9.712	9.507
174.0	8.823	9.028	8.686	8.891	8.618	8.344	8.959	8.686	9.780	8.959
174.5	9.643	8.344	9.028	8.823	8.549	8.959	8.959	9.165	9.438	9.575
175.0	9.438	9.096	9.165	9.096	8.959	9.301	9.096	9.301	9.643	9.712
175.5	9.165	8.686	8.686	8.823	9.370	9.301	9.370	9.028	9.507	9.575
176.0	9.096	9.096	8.823	9.233	8.959	8.891	8.959	9.507	9.643	9.438
176.5	8.959	9.301	9.233	9.233	9.438	9.233	9.643	9.370	9.712	9.507
177.0	8.959	9.507	9.301	9.096	9.575	9.301	9.643	9.575	9.507	9.370
177.5	9.438	9.301	9.780	9.096	9.370	9.301	9.301	9.301	10.122	9.575
178.0	8.959	9.507	9.165	9.096	9.507	9.507	9.370	9.370	9.575	9.301
178.5	9.165	9.507	9.370	9.233	9.165	9.712	9.917	9.165	9.438	9.370
179.0	9.165	9.096	9.917	9.507	9.712	9.507	9.233	9.507	9.712	9.780
179.5	9.575	9.575	9.165	9.780	9.643	9.438	9.438	9.643	9.780	9.849
180.0	9.466	9.466	9.466	9.466	9.466	9.466	9.466	9.466	9.466	9.466

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	37005.40	137005.40	137005.40	137005.40	137005.40	137005.40	137005.401
0.5	37188.14	736979.82	236969.35	836783.46	636798.37	636658.78	637278.700
1.0	37138.83	636905.13	736917.10	636720.75	036752.07	436613.98	837271.519
1.5	37073.93	136812.53	336846.93	536639.36	236705.84	036548.19	437235.749
2.0	36999.93	036716.98	836766.29	936533.28	436646.81	736473.57	737207.161
2.5	36901.44	436610.91	136671.43	836425.77	136556.47	036386.17	137164.210
3.0	36801.38	536478.02	336563.92	536306.28	836455.65	836274.14	337262.080
3.5	36688.67	336342.87	836451.14	436153.22	536333.91	936160.67	937182.950
4.0	36554.96	536178.59	836304.03	135994.89	536217.44	636034.49	437081.386
4.5	36418.31	636005.42	736148.77	935803.80	536086.74	735882.93	536975.377
5.0	36250.34	335818.03	035981.49	035623.04	235923.28	735731.37	736839.412
5.5	36084.49	035598.48	935781.37	235434.20	935763.52	135543.98	036704.335
6.0	35905.36	835386.33	435592.47	035197.50	135579.06	535359.52	436559.479
6.5	35691.77	735157.90	135380.45	234966.74	335356.58	335158.65	436389.249
7.0	35484.95	734884.60	335117.61	834724.83	735148.94	234921.94	536225.653
7.5	35260.21	734632.98	534874.13	934442.57	934928.64	834700.96	836044.206
8.0	34996.63	134337.32	234623.34	234169.28	034668.07	134467.20	035820.971
8.5	34746.51	734052.80	734322.34	433855.69	834422.40	334187.95	235612.646
9.0	34459.06	233756.39	234037.89	733551.76	034127.49	233925.87	035388.591
9.5	34174.54	733418.12	033712.27	833203.09	233849.68	033612.97	235125.825
10.0	33882.57	733099.27	233397.26	032875.28	533557.02	633318.06	134871.882
10.5	33545.05	732765.58	233073.89	832528.87	433212.80	433010.42	934570.269
11.0	33231.40	732377.24	732708.81	632135.34	132893.95	632647.53	634293.208
11.5	32904.42	032014.35	432354.13	031764.92	432519.16	232307.82	834003.564
12.0	32519.16	231599.96	031977.01	131387.87	432159.96	231947.94	433645.869

CANDELA TABULATION - (Cont.)

12.5	32157.02	131210.87	331559.60	930942.15	731788.11	031535.73	933306.092
13.0	31748.57	830813.71	531172.09	430530.70	431364.00	531151.16	632958.177
13.5	31372.96	430356.02	930724.80	430107.35	230966.02	630711.39	932560.951
14.0	30986.13	329935.61	730314.92	429622.78	730563.53	330297.00	532190.602
14.5	30553.13	729500.22	729895.26	529174.74	530094.63	129872.08	031758.974
15.0	30146.88	329008.20	829403.17	728675.20	229662.25	029386.76	331358.807
15.5	29725.03	528562.42	228952.94	628218.95	229173.17	228942.48	230945.850
16.0	29239.65	028056.92	928500.45	827754.49	628721.43	628491.49	930475.374
16.5	28792.42	827587.20	627983.74	927222.12	428260.74	127986.75	830034.923
17.0	28289.12	427114.61	127510.40	126736.05	527738.83	427527.49	929577.921
17.5	27827.67	626585.24	926980.90	226250.67	027263.98	127008.53	329066.410
18.0	27363.28	826096.85	426493.39	725710.09	226788.30	826531.42	428601.269
18.5	26836.79	825606.27	126001.24	125222.45	026254.43	226049.80	028076.285
19.0	26356.74	825052.28	825461.41	524686.38	625775.06	525527.14	127596.234
19.5	25866.91	724564.64	624974.59	424207.70	325247.82	425056.73	427113.858
20.0	25317.31	124015.79	224491.46	523729.08	924769.20	924585.57	426578.478
20.5	24820.77	823518.57	523947.87	823185.50	124297.36	624057.64	926096.854
21.0	24328.00	623014.51	923461.80	922697.92	723761.23	323577.59	825613.042
21.5	23760.48	122453.08	022963.01	922205.90	823274.41	223036.95	225073.900
22.0	23251.97	921957.23	122408.96	721665.26	122784.58	122548.62	524586.327
22.5	22683.01	821461.45	021916.12	721182.88	622240.99	422062.48	824039.730
23.0	22181.97	120913.34	921375.61	720647.57	421751.91	521522.66	223543.196
23.5	21684.68	520431.72	520890.23	220167.38	621212.02	121040.28	623048.920
24.0	21141.85	019958.30	920413.80	619693.97	020734.15	920505.65	822504.512
24.5	20661.79	919440.16	419888.13	819186.28	920261.49	520030.80	622011.056
25.0	20128.60	818989.86	419425.93	818738.24	619735.07	419564.84	421515.960
25.5	19655.94	318504.61	618970.44	018297.72	719271.37	019057.84	720979.074
26.0	19200.51	418077.43	318477.66	917818.29	218816.69	318611.30	920504.153
26.5	18703.98	117654.83	318040.91	117394.18	718321.59	618170.78	919971.782
27.0	18267.08	717191.88	017568.17	916932.05	517883.26	517686.97	719500.623
27.5	17836.27	916780.42	817145.57	816529.56	317408.41	317262.05	219038.491
28.0	17375.58	416337.65	216729.68	116129.32	716988.06	916840.20	418531.426
28.5	16969.33	015952.39	416289.09	315700.02	416577.36	916388.46	818086.392
29.0	16572.85	515579.03	715903.08	315325.91	416134.52	516000.95	317652.576
29.5	16145.80	915174.28	715484.24	414968.28	715752.96	015584.30	317177.723
30.0	15769.44	314825.61	915116.83	714597.87	115379.67	115220.65	716764.014
30.5	15369.95	914495.55	514767.34	914288.05	014983.19	714872.67	416321.237
31.0	15022.79	614156.59	914405.27	613964.68	814653.88	514516.55	115940.425
31.5	14687.46	513876.59	814097.64	413695.83	514305.90	114215.62	215563.306
32.0	14335.78	913592.08	313815.31	813451.74	114014.68	413933.36	415165.396
32.5	14040.87	813356.12	713530.87	113203.06	413738.51	313643.65	114829.381
33.0	13770.52	113140.34	713300.86	612998.50	013460.70	013401.74	514523.185
33.5	13499.54	712917.11	313086.59	012803.64	913232.95	213179.19	514207.415
34.0	13279.18	512727.45	912860.34	612599.01	713003.01	412949.94	113942.255
34.5	13048.49	612551.96	212674.45	412433.23	212805.08	512759.53	513696.656
35.0	12854.39	612374.27	712480.28	712260.06	112617.68	812559.41	713444.286
35.5	12672.19	712221.14	512318.94	712106.17	712428.03	412388.43	513236.645
36.0	12484.80	012072.59	612162.94	311957.62	712265.94	312225.65	913018.676
36.5	12327.22	311916.52	311994.90	111799.29	712106.17	712055.42	912833.468
37.0	12177.16	911780.69	511850.04	511660.39	111937.38	311906.05	912658.792
37.5	12017.33	411633.58	111708.26	611522.30	611790.33	811759.01	412475.089
38.0	11880.68	511502.88	211559.64	811368.42	211649.92	711602.18	912318.264
38.5	11728.37	411364.72	811424.50	411233.27	711495.35	911459.58	912148.033
39.0	11596.23	911213.16	911275.13	311093.68	711355.01	611299.82	312003.177
39.5	11464.10	311074.26	311139.98	910929.40	711202.02	111161.60	111863.518
40.0	11308.71	410927.15	010998.14	210773.40	211063.79	911026.45	611714.900

CANDELA TABULATION - (Cont.)

40.5	11162.42	10746.45	610829.34	810594.14	410921.20	010871.20	411579.756
41.0	10985.42	110573.21	610672.52	310422.41	010750.21	710724.77	511440.850
41.5	10818.20	010363.38	610503.04	510238.70	610590.38	310566.51	411285.598
42.0	10640.44	610155.13	010299.23	410016.22	310423.16	210379.86	911147.444
42.5	10429.18	09922.935	10098.363	9795.177	10228.24	210197.67	010985.421
43.0	10221.53	99640.677	9858.646	9556.281	10037.90	49980.386	10830.853
43.5	9999.741	9373.329	9622.690	9275.527	9831.768	9768.367	10663.632
44.0	9733.282	9097.090	9372.577	9007.495	9580.902	9536.105	10459.752
44.5	9473.320	8781.183	9073.905	8695.281	9338.996	9258.292	10258.130
45.0	9168.013	8483.263	8788.637	8399.618	9053.729	8992.517	10040.845
45.5	8880.558	8132.338	8492.975	8091.234	8782.756	8712.448	9781.020
46.0	8579.560	7803.778	8149.505	7732.102	8495.232	8392.916	9528.650
46.5	8233.150	7470.704	7826.211	7404.295	8156.960	8092.739	9263.558
47.0	7912.044	7094.474	7458.804	7030.253	7844.814	7745.576	8953.670
47.5	7584.237	6753.946	7127.303	6690.477	7526.034	7420.709	8654.245
48.0	7213.889	6409.724	6791.972	6349.948	7168.339	7087.020	8309.339
48.5	6875.685	6021.388	6410.476	5965.443	6839.027	6713.662	7988.918
49.0	6493.368	5669.711	6068.443	5620.468	6464.985	6374.638	7656.665
49.5	6149.146	5283.770	5727.982	5276.246	6126.782	6040.880	7285.564
50.0	5798.906	4933.529	5345.665	4891.673	5780.987	5662.257	6945.104
50.5	5409.886	4581.852	5001.443	4541.500	5400.175	5323.232	6602.318
51.0	5056.773	4198.031	4613.929	4198.783	5054.516	4941.736	6215.556
51.5	4705.097	3880.687	4270.459	3867.282	4709.474	4599.019	5866.136
52.0	4323.532	3486.812	3931.435	3492.557	4328.730	4260.747	5477.801
52.5	3984.508	3166.801	3564.096	3135.409	3995.656	3908.318	5129.202
53.0	3657.384	2855.955	3242.307	2823.947	3632.010	3522.924	4781.218
53.5	3296.064	2523.291	2828.051	2521.855	3307.964	3244.974	4397.396
54.0	2870.591	2238.571	2593.326	2202.733	2858.075	2901.983	4055.431
54.5	2656.658	1965.546	2302.656	1931.692	2658.710	2600.986	3811.952
55.0	2368.655	1679.117	2001.248	1648.477	2368.860	2280.017	3348.795
55.5	2093.236	1439.262	1748.262	1412.452	2061.775	2001.384	3034.392
56.0	1801.198	1221.431	1503.415	1197.151	1797.915	1739.166	2689.350
56.5	1556.830	1008.044	1254.259	982.671	1551.427	1468.671	2385.958
57.0	1308.427	842.602	1059.681	814.492	1300.219	1245.300	2099.665
57.5	1108.924	698.635	889.519	672.577	1099.486	1043.472	1804.139
58.0	931.308	572.518	728.591	553.505	924.605	853.339	1556.351
58.5	763.471	491.882	610.339	474.442	757.658	707.457	1300.903
59.0	642.757	433.338	519.650	410.905	632.362	588.932	1095.109
59.5	543.451	395.722	450.300	378.829	527.926	491.130	916.124
60.0	475.195	373.357	409.127	347.231	461.995	435.116	748.356
60.5	426.294	352.156	379.239	332.390	412.205	389.635	621.214
61.0	388.335	340.597	361.389	322.473	371.306	371.306	520.334
61.5	369.938	329.996	349.078	313.445	350.241	341.555	446.059
62.0	358.106	318.233	336.972	303.870	338.751	329.039	403.929
62.5	345.658	307.769	326.508	295.868	328.286	319.942	376.435
63.0	335.673	297.304	316.796	286.430	319.259	310.915	349.009
63.5	324.251	288.824	306.948	278.496	310.846	303.255	334.442
64.0	314.745	281.164	299.083	271.383	301.750	295.595	321.926
64.5	305.648	273.367	291.217	264.202	294.432	287.251	311.599
65.0	296.757	266.596	284.446	258.047	286.498	280.138	302.092
65.5	289.029	259.825	266.186	251.755	260.851	273.230	293.269
66.0	281.369	251.823	269.742	243.889	271.247	266.049	286.225
66.5	271.315	244.026	262.356	236.571	265.912	259.483	279.043
67.0	266.459	235.067	253.601	228.433	259.483	251.618	272.820
67.5	258.457	225.765	245.121	219.268	252.644	243.547	266.596
68.0	250.455	216.259	236.982	211.198	244.573	235.340	259.004

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CANDELA TABULATION - (Cont.)

68.5	242.658	206.410	228.091	201.828	236.435	226.312	251.960
69.0	232.878	197.451	219.610	192.731	226.654	217.079	244.710
69.5	223.303	187.260	210.240	183.704	217.353	207.710	235.409
70.0	213.933	177.411	198.682	172.761	207.778	198.682	226.381
70.5	203.538	167.358	188.628	163.733	197.656	190.269	216.601
71.0	193.689	157.919	178.848	154.295	188.354	181.173	207.983
71.5	183.225	150.328	169.546	146.635	179.668	170.777	199.571
72.0	174.676	143.147	161.955	138.701	169.478	161.544	189.585
72.5	166.127	133.640	153.132	129.058	159.492	151.422	179.600
73.0	156.346	124.202	144.788	120.782	148.960	143.078	171.051
73.5	147.319	115.242	136.239	112.712	140.958	134.803	161.955
74.0	138.838	105.872	126.869	103.821	133.777	125.022	154.158
74.5	129.947	98.418	118.388	95.203	123.997	116.473	144.651
75.0	120.577	89.663	109.087	86.928	114.011	108.335	135.487
75.5	108.266	82.003	101.153	77.900	104.778	99.854	126.185
76.0	99.101	74.480	94.040	71.129	95.955	90.758	116.884
76.5	91.373	66.478	86.586	64.768	88.159	80.704	109.702
77.0	84.671	60.117	79.815	58.134	78.515	73.112	102.863
77.5	76.942	53.141	71.881	50.474	70.582	66.273	94.656
78.0	68.667	44.455	62.990	42.472	63.947	58.955	87.064
78.5	60.049	37.548	55.330	36.248	57.519	51.979	79.131
79.0	53.415	32.076	47.670	30.982	50.884	45.071	70.650
79.5	46.507	27.768	41.104	27.015	43.566	38.232	63.127
80.0	39.805	24.211	34.675	22.638	36.659	32.281	55.262
80.5	33.991	19.013	28.383	18.466	31.392	27.152	49.106
81.0	28.725	14.294	21.612	13.884	27.015	23.732	42.677
81.5	22.912	11.080	16.893	9.712	20.860	19.766	35.154
82.0	18.398	6.839	12.311	5.608	16.551	14.636	28.930
82.5	14.157	3.898	9.507	2.736	12.242	11.148	24.827
83.0	10.943	2.052	6.634	0.958	8.207	7.250	20.655
83.5	7.181	0.684	5.129	0.342	5.540	3.420	14.773
84.0	4.582	0.137	3.283	0.137	3.283	1.094	10.396
84.5	3.556	0.000	2.120	0.000	1.778	0.068	8.276
85.0	1.915	0.000	1.505	0.000	1.641	0.000	4.856
85.5	1.778	0.000	1.299	0.000	1.163	0.000	2.667
86.0	1.163	0.000	0.821	0.000	0.684	0.000	1.436
86.5	0.752	0.000	1.026	0.000	0.547	0.000	0.342
87.0	0.616	0.000	0.547	0.000	0.889	0.000	0.274
87.5	0.821	0.000	0.752	0.000	1.026	0.000	0.000
88.0	0.889	0.000	0.616	0.000	0.889	0.000	0.000
88.5	0.752	0.000	0.547	0.000	0.479	0.000	0.000
89.0	0.547	0.000	0.752	0.000	0.479	0.000	0.000
89.5	0.616	0.000	0.479	0.000	0.547	0.000	0.000
90.0	0.752	0.000	0.410	0.000	0.547	0.000	0.000
90.5	0.889	0.000	0.479	0.000	0.342	0.000	0.000
91.0	0.616	0.000	0.410	0.000	0.342	0.000	0.000
91.5	0.410	0.000	0.479	0.000	0.479	0.000	0.000
92.0	0.479	0.000	0.342	0.000	0.479	0.000	0.000
92.5	0.205	0.000	0.410	0.000	0.342	0.000	0.000
93.0	0.410	0.000	0.616	0.000	0.342	0.000	0.000
93.5	0.342	0.000	0.274	0.000	0.479	0.000	0.000
94.0	0.342	0.000	0.342	0.000	0.342	0.000	0.000
94.5	0.274	0.000	0.274	0.000	0.342	0.000	0.000
95.0	0.342	0.000	0.274	0.000	0.205	0.000	0.000
95.5	0.547	0.000	0.137	0.000	0.342	0.000	0.000
96.0	0.342	0.000	0.342	0.000	0.274	0.000	0.000

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CANDELA TABULATION - (Cont.)

96.5	0.410	0.000	0.274	0.000	0.274	0.000	0.000
97.0	0.547	0.000	0.274	0.000	0.342	0.000	0.000
97.5	0.274	0.000	0.342	0.000	0.205	0.000	0.000
98.0	0.410	0.000	0.410	0.000	0.342	0.000	0.000
98.5	0.479	0.000	0.479	0.000	0.137	0.000	0.000
99.0	0.274	0.000	0.274	0.000	0.068	0.000	0.000
99.5	0.342	0.000	0.205	0.000	0.410	0.000	0.000
100.0	0.342	0.000	0.479	0.000	0.342	0.000	0.000
100.5	0.342	0.000	0.274	0.000	0.137	0.000	0.000
101.0	0.274	0.000	0.410	0.000	0.547	0.000	0.000
101.5	0.479	0.000	0.068	0.000	0.342	0.000	0.000
102.0	0.684	0.000	0.205	0.000	0.137	0.000	0.000
102.5	0.342	0.000	0.274	0.000	0.137	0.000	0.000
103.0	0.137	0.000	0.342	0.000	0.342	0.000	0.000
103.5	0.342	0.000	0.137	0.000	0.205	0.000	0.000
104.0	0.342	0.000	0.410	0.000	0.205	0.000	0.000
104.5	0.342	0.000	0.274	0.000	0.274	0.000	0.000
105.0	0.342	0.000	0.205	0.000	0.342	0.000	0.000
105.5	0.137	0.000	0.342	0.000	0.205	0.000	0.000
106.0	0.342	0.068	0.342	0.000	0.205	0.000	0.000
106.5	0.205	0.000	0.205	0.068	0.205	0.000	0.000
107.0	0.274	0.000	0.479	0.000	0.410	0.000	0.000
107.5	0.137	0.000	0.274	0.000	0.274	0.000	0.000
108.0	0.205	0.000	0.342	0.000	0.205	0.000	0.000
108.5	0.342	0.068	0.547	0.068	0.342	0.068	0.000
109.0	0.342	0.000	0.410	0.000	0.410	0.000	0.000
109.5	0.479	0.137	0.274	0.000	0.410	0.137	0.000
110.0	0.547	0.137	0.410	0.000	0.342	0.068	0.000
110.5	0.547	0.205	0.274	0.068	0.479	0.068	0.000
111.0	0.205	0.000	0.410	0.068	0.547	0.000	0.000
111.5	0.342	0.000	0.479	0.137	0.342	0.000	0.000
112.0	0.616	0.068	0.547	0.137	0.410	0.000	0.000
112.5	0.547	0.137	0.479	0.000	0.547	0.000	0.000
113.0	0.479	0.137	0.274	0.342	0.547	0.068	0.000
113.5	0.410	0.274	0.752	0.205	0.342	0.205	0.000
114.0	0.684	0.205	0.752	0.068	0.479	0.068	0.000
114.5	0.410	0.205	0.410	0.068	0.547	0.342	0.000
115.0	0.752	0.410	0.410	0.342	0.410	0.137	0.000
115.5	0.616	0.137	0.616	0.137	0.410	0.479	0.000
116.0	0.616	0.205	0.752	0.205	0.616	0.137	0.000
116.5	0.547	0.410	0.821	0.205	0.616	0.410	0.000
117.0	0.616	0.547	0.752	0.410	0.616	0.205	0.137
117.5	0.821	0.274	0.958	0.205	0.479	0.274	0.000
118.0	0.821	0.410	0.684	0.479	0.752	0.274	0.068
118.5	0.889	0.479	0.821	0.205	0.752	0.342	0.000
119.0	0.752	0.684	1.094	0.410	0.821	0.342	0.000
119.5	0.684	0.684	1.026	0.479	0.958	0.410	0.000
120.0	0.821	0.479	1.436	0.752	0.958	0.479	0.137
120.5	0.821	0.479	0.958	0.684	1.094	0.547	0.068
121.0	0.752	0.616	0.821	0.821	1.026	0.616	0.000
121.5	0.889	0.821	1.163	0.616	1.094	0.684	0.137
122.0	1.163	0.616	1.163	0.821	1.573	0.684	0.068
122.5	1.299	0.821	1.436	1.026	1.026	0.889	0.274
123.0	1.163	0.821	1.163	1.299	1.368	0.684	0.274
123.5	1.368	0.958	1.163	1.026	1.094	0.958	0.274
124.0	1.163	0.889	1.368	1.026	1.436	0.821	0.479

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CANDELA TABULATION - (Cont.)

124.5	1.436	0.958	1.368	0.958	1.436	1.299	0.000
125.0	1.299	1.026	1.641	1.163	1.368	1.299	0.205
125.5	1.368	1.436	1.983	0.821	1.778	0.889	0.205
126.0	1.436	0.958	1.641	1.094	1.847	1.094	0.410
126.5	1.505	1.368	2.189	1.368	1.778	1.505	0.410
127.0	1.847	1.505	1.915	1.573	1.847	1.163	0.410
127.5	1.915	1.299	1.573	1.641	1.983	1.163	0.274
128.0	1.915	1.641	2.120	1.710	1.983	1.505	0.479
128.5	2.052	1.778	1.983	1.778	1.641	1.505	0.410
129.0	1.915	1.710	2.189	1.710	1.983	1.778	0.547
129.5	2.120	1.847	2.462	1.641	2.189	1.641	0.547
130.0	2.120	2.052	2.325	1.573	2.462	1.778	0.821
130.5	2.394	1.778	2.120	2.189	2.394	2.120	0.684
131.0	2.257	1.983	2.462	1.983	2.736	1.915	0.752
131.5	2.325	2.052	2.394	2.394	2.257	1.983	1.026
132.0	2.599	2.394	2.804	1.915	2.736	2.325	0.821
132.5	2.531	2.120	2.873	2.667	2.873	1.983	0.684
133.0	3.009	2.462	2.941	2.325	2.873	2.667	0.821
133.5	2.599	2.804	2.873	2.599	3.146	2.325	1.026
134.0	3.078	2.531	3.009	2.667	3.078	2.531	0.958
134.5	3.078	2.394	2.941	2.462	2.873	2.873	0.958
135.0	3.214	2.873	3.283	3.009	3.214	2.667	1.094
135.5	3.009	3.214	3.146	2.873	3.283	2.873	1.299
136.0	3.009	2.941	3.420	2.804	3.556	3.078	1.299
136.5	3.693	3.009	3.625	3.009	3.625	3.351	1.368
137.0	3.488	3.283	3.693	3.420	3.693	3.146	1.026
137.5	3.556	3.625	3.556	3.420	3.898	3.351	1.299
138.0	3.556	3.283	3.693	3.625	3.488	3.351	1.368
138.5	3.898	3.488	3.898	3.556	4.104	3.556	1.710
139.0	4.104	3.967	4.172	4.104	4.035	3.556	1.847
139.5	4.035	3.830	4.035	3.898	4.035	4.104	1.641
140.0	4.377	4.035	4.446	4.651	4.104	3.830	2.189
140.5	3.967	4.446	4.651	3.898	4.446	3.898	1.778
141.0	4.856	4.240	4.309	4.514	4.514	4.172	2.120
141.5	4.446	4.514	4.788	4.582	4.788	3.967	1.847
142.0	4.719	4.582	4.856	4.788	4.446	4.377	2.257
142.5	4.924	4.514	5.198	4.582	4.856	4.719	2.325
143.0	4.924	4.924	4.788	5.061	4.993	4.856	2.462
143.5	5.266	4.514	4.856	5.540	5.198	4.856	2.531
144.0	5.198	4.651	5.540	4.856	5.335	5.198	2.462
144.5	5.061	5.129	5.061	5.335	5.471	5.335	2.599
145.0	5.335	5.061	5.266	5.403	5.608	5.403	2.531
145.5	5.608	5.266	5.677	5.745	5.471	5.403	2.736
146.0	5.677	5.540	5.677	5.813	5.608	5.198	3.146
146.5	5.745	5.471	6.087	5.882	5.608	5.745	2.873
147.0	6.019	5.677	5.882	5.745	6.019	5.198	3.214
147.5	6.292	5.608	6.429	6.087	6.087	5.677	3.283
148.0	6.155	6.019	6.361	5.950	6.087	6.087	3.625
148.5	6.155	6.497	6.429	6.361	6.155	5.950	3.625
149.0	5.882	6.429	6.497	6.155	6.634	6.087	3.830
149.5	6.292	6.497	6.497	6.771	6.566	6.497	3.830
150.0	6.839	6.634	6.429	6.703	6.497	6.703	4.240
150.5	6.429	6.497	6.429	6.839	6.839	6.703	4.104
151.0	6.634	6.908	6.839	6.976	7.318	7.113	4.788
151.5	6.771	7.044	6.839	6.771	7.044	7.113	4.446
152.0	6.839	6.771	7.250	6.908	7.181	6.839	4.377

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CANDELA TABULATION - (Cont.)

152.5	6.839	7.113	7.386	7.455	7.455	7.044	4.240
153.0	7.318	7.044	7.455	6.908	7.044	7.318	4.788
153.5	7.250	7.044	7.044	7.592	7.455	7.523	4.651
154.0	7.113	7.592	7.592	7.660	7.797	7.250	4.924
154.5	7.592	7.523	7.797	7.386	7.318	7.592	5.061
155.0	7.728	7.660	7.660	7.455	7.728	7.592	4.924
155.5	7.865	7.797	7.728	7.934	8.276	7.250	5.266
156.0	8.139	7.592	7.934	7.865	7.728	7.386	5.471
156.5	7.865	7.728	7.728	7.934	7.934	7.318	5.608
157.0	8.139	7.865	8.549	7.934	8.002	8.207	5.677
157.5	8.002	7.660	8.344	8.276	8.002	7.797	5.813
158.0	8.344	8.207	8.002	7.934	8.276	8.070	5.745
158.5	7.934	7.934	8.070	8.823	8.207	8.139	6.087
159.0	7.797	8.481	8.481	8.344	8.276	8.344	6.155
159.5	8.070	8.070	8.549	8.481	9.165	8.070	6.019
160.0	8.412	8.139	8.344	8.481	8.344	8.412	6.703
160.5	8.276	8.139	8.481	8.481	8.412	8.549	6.566
161.0	8.549	8.618	8.549	9.233	8.549	8.686	6.703
161.5	9.028	8.481	8.618	8.686	8.481	9.028	7.044
162.0	8.344	8.276	8.686	8.618	8.549	8.823	6.566
162.5	8.823	8.959	8.344	8.686	8.618	9.028	6.908
163.0	8.618	8.823	8.959	8.686	8.823	8.959	6.908
163.5	8.891	8.412	8.823	9.165	9.165	9.096	6.976
164.0	8.618	8.618	9.507	8.959	9.096	9.233	7.250
164.5	8.891	8.891	9.028	9.438	9.165	9.370	7.523
165.0	8.891	8.891	8.891	8.959	9.507	9.165	7.934
165.5	9.233	8.686	9.165	9.301	9.233	9.438	7.318
166.0	9.096	9.370	8.891	9.712	9.301	9.165	7.250
166.5	8.823	9.301	9.233	9.438	9.370	9.233	8.207
167.0	9.370	9.233	9.438	9.096	9.507	9.233	7.728
167.5	9.575	9.165	8.891	9.507	9.233	9.370	7.934
168.0	9.233	9.438	9.438	9.712	9.917	9.507	8.002
168.5	9.849	8.959	9.028	9.575	9.438	9.165	8.276
169.0	9.096	9.849	9.507	9.643	9.712	9.780	8.207
169.5	9.507	9.438	9.575	9.985	9.575	9.849	8.481
170.0	9.438	9.438	9.507	9.917	9.780	9.780	8.549
170.5	9.712	9.507	9.917	9.370	9.780	10.122	8.549
171.0	9.301	9.507	9.575	9.780	9.985	9.438	8.823
171.5	9.780	9.575	9.712	9.301	9.507	9.233	8.686
172.0	9.438	9.438	9.643	9.575	9.712	9.780	8.891
172.5	9.575	9.233	9.507	9.643	9.575	9.712	8.344
173.0	9.028	9.780	9.370	9.438	10.191	9.507	8.823
173.5	9.575	9.712	9.780	9.712	9.985	9.849	9.233
174.0	9.438	9.643	9.712	10.259	9.985	10.054	8.823
174.5	9.643	9.575	9.643	9.780	9.849	9.712	9.643
175.0	9.233	9.438	9.917	9.712	9.917	9.575	9.438
175.5	9.438	9.849	9.712	9.370	10.191	9.643	9.165
176.0	9.849	9.712	9.780	9.985	9.849	9.643	9.096
176.5	9.643	9.370	9.575	9.712	9.712	9.849	8.959
177.0	9.507	9.917	9.643	9.370	9.849	9.712	8.959
177.5	9.507	9.507	9.643	9.507	9.712	10.054	9.438
178.0	9.917	9.575	9.849	9.507	9.985	9.643	8.959
178.5	9.780	9.438	9.575	9.370	10.054	9.643	9.165
179.0	9.507	9.575	9.575	9.507	10.191	9.643	9.165
179.5	9.370	9.507	9.165	9.370	9.780	9.370	9.575
180.0	9.466	9.466	9.466	9.466	9.466	9.466	9.466

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IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	12021.72	28.90	29.00
0-30	21838.27	52.50	52.70
0-40	30394.12	73.00	73.40
0-60	40834.05	98.10	98.60
0-80	41376.55	99.40	99.90
0-90	41395.8	99.50	100.00
10-90	37988.7	91.30	91.70
20-40	18372.4	44.10	44.40
20-50	25717.29	61.80	62.10
40-70	10831.81	26.00	26.20
60-80	542.51	1.30	1.30
70-80	150.62	0.40	0.40
80-90	19.24	0.00	0.00
90-110	0.35	0.00	0.00
90-120	0.60	0.00	0.00
90-130	1.34	0.00	0.00
90-150	5.37	0.00	0.00
90-180	11.41	0.00	0.00
110-180	11.07	0.00	0.00
0-180	41407.22	99.50	100.00

Total Luminaire Efficiency = 99.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3407.1
10-20	8614.62
20-30	9816.55
30-40	8555.85
40-50	7344.89
50-60	3095.04
60-70	391.89
70-80	150.62
80-90	19.24
90-100	0.22
100-110	0.13
110-120	0.25
120-130	0.74
130-140	1.56
140-150	2.46
150-160	2.87
160-170	2.30
170-180	0.88

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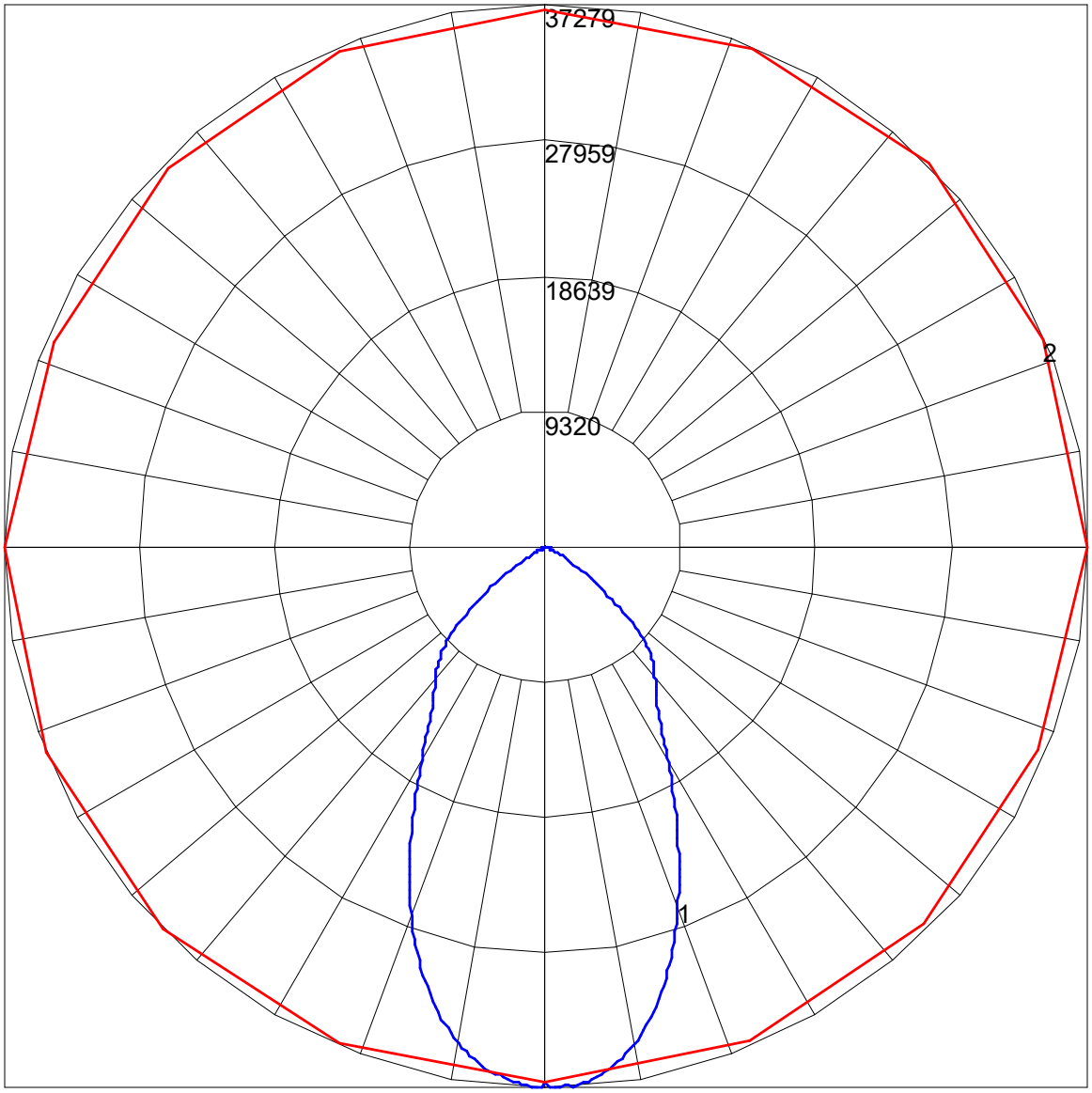
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	112	109	106	103	109	107	104	102	103	101	99	99	97	96	95	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	73	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	66	85	76	70	65	74	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	67	62	58	66	62	58	56
7	77	66	59	55	75	66	59	54	64	58	54	63	58	54	62	57	53	52
8	72	62	55	50	71	61	55	50	60	54	50	59	53	50	58	53	49	48
9	68	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EPL-HB-300LED-RT-B-60DB.IES

POLAR GRAPH



Maximum Candela = 37278.7 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)

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PHOTOMETRIC FILENAME : EPL-HB-300LED-RT-B-125DB.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] RADIANT ZEMAX
[TESTDATE] 20200629
[ISSUEDATE] 2020-06-29 12:57:43
[MANUFAC] Larson Electronics LLC
[LUMCAT] EPL-HB-300LED-RT-B-125DB
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED FIXTURE - 125 DEGREE BEAM
[MORE] GROUP B HYDROGEN
[LAMP] LED
[LAMPPOSITION] 0,0
[OTHER] ZVISION 9107GT SYSTEM

CHARACTERISTICS



Lumens Per Lamp	41622.5 (1 lamp)
Total Lamp Lumens	41622.5
Luminaire Lumens	41604
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	298.96
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.50 ft
Luminous Width (90-270)	1.50 ft
Luminous Height	0.60 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	58029	47510	52396
55	24847	17306	19681
65	10350	7979	9407
75	4702	3218	4054
85	69	23	54

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	20232.05	20232.05	20232.05	20232.05	20232.05	20232.05	20232.05	20232.05	20232.05	20232.056
0.5	20438.376	20365.768	20289.570	20240.965	20185.047	20145.086	20101.534	20062.305	20443.496	20370.888
1.0	20433.256	20362.843	20281.591	20234.383	20176.336	20140.764	20096.481	20060.908	20443.496	20371.619
1.5	20427.472	20354.930	20269.955	20226.404	20164.767	20133.516	20088.502	20059.446	20442.698	20370.157
2.0	20420.224	20347.616	20257.654	20213.372	20151.668	20126.269	20081.920	20056.587	20440.570	20367.962
2.5	20409.320	20337.510	20243.093	20201.071	20134.913	20116.029	20071.082	20050.802	20435.451	20361.446
3.0	20399.147	20322.283	20225.739	20185.047	20116.827	20101.534	20056.587	20043.488	20427.472	20354.199
3.5	20381.793	20308.453	20207.520	20166.828	20094.353	20086.308	20041.360	20034.046	20419.559	20346.154
4.0	20362.178	20291.033	20185.047	20148.743	20073.276	20070.350	20022.410	20022.410	20408.588	20335.316
4.5	20344.757	20270.687	20157.453	20125.471	20047.810	20050.004	20003.527	20010.110	20396.288	20322.283
5.0	20320.089	20251.072	20132.718	20099.407	20018.088	20030.389	19981.053	19993.420	20380.263	20307.722
5.5	20294.623	20223.545	20100.803	20073.276	19989.763	20005.056	19956.385	19975.202	20364.372	20291.033
6.0	20269.290	20198.079	20071.082	20040.562	19959.976	19974.537	19927.395	19953.459	20343.294	20271.484
6.5	20238.771	20170.552	20036.972	20010.841	19923.672	19948.340	19900.533	19933.113	20322.283	20252.535
7.0	20208.318	20135.710	19999.936	19974.537	19888.099	19917.156	19865.625	19908.445	20299.743	20227.867
7.5	20173.411	20101.534	19964.364	19939.696	19847.473	19880.120	19834.375	19878.724	20272.881	20204.661
8.0	20139.301	20066.693	19923.672	19901.198	19807.579	19845.346	19800.265	19851.130	20243.824	20174.874
8.5	20103.728	20026.799	19877.261	19859.841	19765.490	19803.922	19758.908	19821.342	20214.103	20145.086
9.0	20061.640	19988.301	19834.375	19819.880	19719.013	19766.155	19719.745	19785.039	20178.464	20113.902
9.5	20020.948	19946.943	19783.576	19775.597	19673.999	19726.261	19679.052	19750.929	20144.354	20074.672
10.0	19978.859	19899.004	19738.628	19727.724	19624.663	19679.052	19631.910	19710.968	20108.050	20039.831
10.5	19929.523	19854.787	19687.763	19681.978	19575.260	19635.501	19588.359	19672.603	20065.297	19999.205
11.0	19883.777	19803.191	19634.770	19626.059	19527.387	19585.433	19538.225	19630.448	20025.336	19959.976
11.5	19834.375	19753.854	19582.508	19576.723	19467.147	19538.956	19490.285	19582.508	19976.000	19916.424
12.0	19778.522	19705.183	19528.118	19523.730	19411.959	19488.889	19440.284	19537.560	19932.448	19867.819
12.5	19726.261	19646.405	19467.147	19464.952	19357.503	19431.508	19382.171	19491.083	19883.777	19821.342
13.0	19665.289	19593.412	19410.430	19406.175	19294.337	19378.514	19331.373	19436.627	19829.321	19772.738
13.5	19610.833	19539.688	19343.008	19351.652	19236.291	19324.793	19277.648	19387.956	19779.254	19717.550
14.0	19554.914	19477.253	19284.164	19286.358	19178.909	19262.355	19216.676	19329.910	19722.604	19665.289
14.5	19489.620	19415.616	19220.267	19226.849	19108.496	19205.040	19158.630	19278.379	19671.073	19612.296
15.0	19428.648	19358.235	19152.047	19167.273	19046.061	19138.948	19093.269	19223.192	19618.080	19552.055
15.5	19364.751	19290.015	19088.811	19096.195	18973.453	19080.171	19034.425	19162.952	19556.444	19496.136
16.0	19295.800	19227.581	19021.393	19031.566	18907.428	19017.802	18971.259	19103.442	19498.331	19431.508
16.5	19232.634	19154.973	18944.397	18958.227	18837.746	18945.926	18900.845	19044.665	19438.090	19369.871
17.0	19160.026	19087.418	18873.318	18888.544	18760.018	18878.371	18834.089	18976.379	19367.676	19307.436
17.5	19091.807	19020.661	18792.731	18816.735	18686.745	18810.152	18765.869	18913.944	19304.510	19235.493
18.0	19021.393	18943.000	18717.264	18736.879	18609.749	18730.297	18686.745	18840.605	19230.440	19170.199
18.5	18942.269	18874.049	18641.731	18663.473	18521.981	18658.420	18614.869	18774.579	19164.414	19101.980
19.0	18870.393	18791.269	18554.562	18586.610	18443.589	18583.618	18529.894	18704.166	19096.195	19024.252
19.5	18787.678	18715.070	18471.847	18497.313	18350.635	18497.978	18452.233	18627.967	19017.802	18954.570
20.0	18712.145	18641.000	18390.596	18415.929	18264.263	18417.458	18371.712	18553.897	18942.264	18874.049
20.5	18632.356	18551.703	18294.051	18320.847	18176.363	18326.632	18280.954	18471.116	18867.533	18799.979
21.0	18542.261	18468.257	18205.419	18233.744	18074.831	18241.723	18196.044	18391.261	18782.625	18721.586
21.5	18457.352	18381.819	18102.358	18145.245	17980.481	18153.224	18107.478	18312.137	18700.575	18633.752
22.0	18368.787	18282.415	18004.418	18039.924	17881.676	18052.291	18005.149	18220.712	18606.890	18550.971
22.5	18267.854	18191.655	17904.948	17944.842	17766.248	17957.209	17910.067	18134.340	18522.646	18467.525
23.0	18172.772	18085.004	17790.983	17843.244	17658.134	17860.598	17809.799	18044.312	18432.684	18369.518
23.5	18077.025	17987.728	17727.075	17548.557	17457.459	17745.968	17694.433	17944.177	18330.289	18278.825
24.0	17966.651	17888.258	17573.225	17618.173	17425.151	17640.714	17587.720	17849.760	18235.938	18184.408
24.5	17866.449	17769.240	17446.893	17507.865	17309.656	17518.038	17466.507	17749.559	18135.005	18078.422
25.0	17745.237	17661.725	17330.734	17382.996	17181.861	17407.664	17353.208	17637.057	18023.235	17981.877
25.5	17633.466	17549.222	17213.910	17265.440	17064.306	17294.430	17236.384	17529.674	17920.174	17868.644
26.0	17515.844	17420.766	17078.867	17132.525	16944.489	17164.507	17107.192	17420.031	17798.967	17759.798
26.5	17383.727	17300.215	16957.588	17012.044	16807.319	17046.154	16988.839	17292.236	17684.996	17649.424

CANDELA TABULATION - (Cont.)

27.0	17265.44	17168.16	16818.95	16889.36	16684.64	16924.21	16864.70	17176.80	17568.10	17523.82	3
27.5	17143.43	17045.42	16692.68	16750.66	16561.23	16786.97	16729.65	17046.15	17435.25	17406.20	1
28.0	17004.06	16920.61	16567.75	16628.06	16421.87	16660.70	16604.78	16926.40	17315.44	17274.88	2
28.5	16879.26	16783.38	16427.65	16501.72	16296.27	16535.83	16463.23	16803.66	17195.02	17155.06	5
29.0	16741.29	16656.38	16299.19	16360.16	16158.37	16396.47	16338.36	16667.22	17056.39	17030.92	7
29.5	16613.49	16528.59	16175.05	16236.03	16033.50	16271.60	16212.09	16543.08	16930.79	16895.88	5
30.0	16483.57	16387.09	16034.23	16098.06	15913.01	16131.50	16074.12	16416.81	16790.63	16771.08	2
30.5	16340.55	16259.96	15910.82	15974.65	15780.90	16005.17	15948.59	16274.52	16661.43	16643.95	1
31.0	16212.09	16117.67	15777.24	15853.44	15665.47	15882.50	15824.38	16146.73	16532.18	16499.53	4
31.5	16069.07	15991.41	15661.08	15719.19	15550.77	15744.59	15690.87	16004.51	16385.56	16368.14	8
32.0	15942.74	15868.00	15542.79	15597.98	15423.04	15626.97	15573.31	15879.57	16257.10	16223.66	4
32.5	15817.93	15733.69	15413.60	15482.49	15311.94	15497.05	15446.18	15757.69	16114.81	16095.93	5
33.0	15685.75	15615.34	15301.10	15356.95	15200.17	15381.62	15331.55	15621.92	15987.82	15967.40	9
33.5	15569.59	15499.18	15189.33	15244.38	15076.76	15268.39	15221.25	15501.37	15864.34	15827.37	9
34.0	15454.96	15370.72	15065.13	15134.81	14967.85	15146.44	15098.50	15386.01	15732.23	15705.36	9
34.5	15327.96	15258.95	14954.09	15012.86	14847.30	15035.34	14990.32	15261.80	15615.34	15585.61	9
35.0	15216.13	15144.98	14840.12	14903.29	14736.33	14922.90	14880.02	15150.83	15499.18	15458.62	2
35.5	15102.89	15018.65	14713.79	14779.08	14624.56	14800.16	14759.53	15039.06	15372.18	15341.00	0
36.0	14979.49	14906.15	14600.55	14667.31	14504.01	14688.39	14648.43	14914.86	15259.68	15228.49	8
36.5	14864.79	14779.08	14472.76	14554.81	14391.44	14575.89	14525.09	14801.62	15144.98	15101.43	4
37.0	14739.92	14666.58	14359.53	14430.67	14279.67	14451.68	14414.71	14679.68	15018.65	14989.59	6
37.5	14625.95	14552.62	14241.97	14313.78	14145.43	14340.71	14304.41	14569.37	14905.41	14863.33	1
38.0	14514.85	14423.42	14099.68	14194.76	14014.71	14231.80	14181.00	14460.46	14782.07	14750.03	0
38.5	14388.58	14308.73	13964.64	14049.55	13875.41	14102.54	14069.23	14338.52	14670.17	14636.86	3
39.0	14273.15	14181.00	13823.08	13913.77	13714.90	13980.60	13952.27	14231.00	14559.20	14511.26	2
39.5	14159.19	14058.26	13656.79	13753.40	13563.90	13833.98	13816.50	14121.42	14435.79	14399.49	1
40.0	14027.74	13928.33	13499.34	13604.59	13387.50	13697.48	13685.18	13997.28	14325.42	14289.11	7
40.5	13904.40	13772.28	13311.30	13441.95	13220.61	13549.40	13529.12	13884.85	14202.01	14163.51	6
41.0	13753.40	13620.61	13134.17	13251.79	13035.43	13376.66	13373.00	13755.59	14089.51	14049.55	1
41.5	13606.78	13458.71	12941.08	13065.95	12809.69	13208.97	13208.17	13631.45	13973.35	13918.96	3
42.0	13447.07	13265.55	12704.44	12869.93	12589.01	13031.11	13010.10	13495.68	13840.50	13802.00	6
42.5	13252.52	13076.12	12475.05	12634.76	12319.72	12819.14	12816.28	13331.65	13717.82	13682.98	8
43.0	13059.43	12869.93	12224.64	12398.85	12063.47	12613.68	12607.90	13172.67	13584.98	13542.16	0
43.5	12851.05	12626.78	11928.49	12112.07	11791.26	12388.61	12349.45	13002.78	13423.07	13405.72	2
44.0	12592.67	12390.80	11642.45	11837.67	11469.64	12112.87	12101.90	12795.86	13259.04	13254.72	1
44.5	12329.83	12105.56	11312.86	11546.57	11166.18	11851.50	11810.14	12591.94	13049.99	13068.88	0
45.0	12019.19	11828.23	11005.07	11211.92	10852.61	11537.93	11524.10	12338.61	12836.56	12878.71	6
45.5	11725.16	11529.22	11083.45	10899.82	10488.24	11244.64	11226.48	12092.46	12607.23	12642.00	9
46.0	11420.30	11179.34	10312.50	10572.42	10151.40	11093	3.19	10885.25	11828.23	12329.17	12402.44	3
46.5	11066.04	10851.94	79965.559		10192.75	89765.954		10576.74	10561.51	11515.39	12065.60	12144.06	1
47.0	10733.59	10517.29	99572.134		9848.004		9412.423		10239.96	10226.86	11217.04	11783.28	21184	1.328
47.5	10386.57	10131.85	39213.483		9458.834		9050.913		9856.648		9845.810		10907.06	11447.17	21155	2.426
48.0	9993.884		9784.040		8850.510		9104.638		8645.054		9508.968		9496.667		10548.48	31133.60	11124	8.231
48.5	9637.494		9389.949		8439.664		8744.591		8278.491		9154.705		9099.518		10213.76	91080	7.59	8108	91.110
49.0	9235.292		9029.836		8072.370		8346.045		7910.531		8762.743		8738.075		9836.368		10434.45	21055	4.999
49.5	8865.803		8662.541		7702.149		7981.610		7506.135		8402.695		8375.767		9489.353		10088.96	61021	2.373
50.0	8494.852		8248.769		7286.915		7569.301		7138.840		8037.529		7970.040		9133.628		9696.272		9830.517	
50.5	8082.476		7876.355		6921.017		7195.490		6774.405		7623.757		7599.754		8724.909		9336.225		9474.858	
51.0	7708.666		7506.135		6518.150		6825.270		6369.343		7249.880		7230.996		8373.639		8926.044		9068.334	
51.5	7327.541		7096.020		6155.243		6415.089		6008.565		6838.302		6820.882		7964.256		8549.307		8695.919	
52.0	6907.253		6727.994		5796.659		6055.773		5617.334		6473.202		6450.662		7598.357		8172.571		8321.377	
52.5	6535.570		6322.135		5404.630		5705.833		5273.976		6117.477		6088.420		7233.191		7758.068		7899.627	
53.0	6167.611		5962.154		5063.400		5329.096		4936.402		5727.642		5692.136		6821.613		7385.654		7519.234	
53.5	5765.408		5608.557		4731.744		4998.106		4564.786		5379.230		5342.927		6459.372		7008.917		7137.377	
54.0	5406.093		5230.358		4379.609		4638.790		4250.418		5040.926		4963.996		6101.452		6588.563		6719.217	
54.5	5019.183		4899.434		4074.018		4326.616		3964.375		4677.953		4629.348		5706.631		6216.947		6346.870	

CANDELA TABULATION - (Cont.)

55.0	4685.201	4538.589	3754.663	4026.078	3711.112	4362.189	4309.196	5360.347	5814.013	5939.614
55.5	4363.652	4222.824	3615.232	3713.971	3398.805	4027.541	3968.763	4979.954	5458.354	5573.782
56.0	4017.368	3919.361	3227.724	3448.274	3131.712	3745.222	3727.734	4643.843	5104.092	5215.863
56.5	3748.081	3602.200	2974.927	3202.192	2912.957	3476.599	3402.595	4317.906	4716.451	4826.028
57.0	3399.403	3336.503	2771.332	2972.799	2720.932	3196.341	3125.395	3971.622	4375.221	4482.736
57.5	3148.667	3091.817	2590.544	2744.404	2536.620	2991.682	2900.923	3679.861	4050.015	4147.291
58.0	2921.202	2795.734	2417.269	2558.762	2386.551	2756.172	2681.769	3403.991	3721.218	3795.223
58.5	2693.605	2665.479	2284.753	2405.766	2255.697	2572.126	2508.894	3120.874	3438.832	3629.062
59.0	2518.734	2506.699	2159.884	2275.112	2137.144	2420.195	2361.617	2817.543	3143.348	3229.719
59.5	2376.444	2353.571	2066.464	2153.767	2054.563	2275.046	2225.377	2699.190	2833.169	2960.033
60.0	2243.263	2233.090	1996.317	2063.472	1980.492	2164.339	2125.641	2503.574	2718.472	2743.672
60.5	2139.671	2121.918	1941.063	1987.407	1928.230	2073.911	2041.464	2355.366	2517.936	2531.168
61.0	2062.807	2048.445	1900.437	1935.810	1883.881	1994.588	1964.667	2223.914	2360.287	2368.731
61.5	2008.352	1995.984	1861.341	1891.926	1840.396	1941.262	1912.139	2127.902	2230.430	2235.617
62.0	1968.923	1952.167	1818.521	1849.372	1802.297	1899.373	1867.724	2047.581	2144.059	2125.575
62.5	1924.839	1914.001	1779.557	1811.539	1762.336	1855.888	1828.694	1974.375	2073.978	2055.427
63.0	1883.482	1873.641	1735.075	1772.243	1715.992	1817.656	1787.735	1923.842	2011.344	2002.633
63.5	1839.931	1828.162	1693.186	1727.960	1673.504	1778.161	1742.256	1883.416	1968.191	1955.691
64.0	1791.326	1787.735	1648.304	1685.606	1626.229	1732.548	1700.766	1840.662	1927.765	1916.461
64.5	1746.245	1739.929	1601.894	1643.251	1585.870	1690.592	1658.876	1800.369	1880.357	1872.179
65.0	1700.234	1694.914	1561.335	1597.506	1545.244	1644.248	1612.665	1755.820	1834.944	1829.691
65.5	1649.169	1650.499	1520.509	1558.143	1499.964	1604.886	1572.638	1707.415	1786.140	1784.012
66.0	1603.623	1602.426	1474.232	1513.262	1457.742	1565.058	1529.087	1663.863	1739.929	1732.216
66.5	1552.225	1559.340	1430.946	1471.772	1414.457	1520.576	1488.527	1617.652	1692.587	1687.999
67.0	1504.352	1515.389	1386.265	1428.952	1365.852	1479.285	1446.904	1577.425	1644.182	1644.115
67.5	1455.614	1465.455	1334.468	1380.147	1319.907	1437.130	1399.496	1536.600	1601.295	1592.585
68.0	1401.823	1417.648	1286.196	1335.665	1268.310	1388.658	1354.881	1490.721	1557.478	1547.505
68.5	1352.022	1363.059	1230.610	1289.986	1220.370	1343.644	1308.470	1447.768	1506.812	1502.224
69.0	1295.172	1312.859	1178.814	1237.259	1170.436	1291.715	1255.743	1399.031	1459.271	1449.298
69.5	1241.780	1263.057	1126.552	1187.790	1114.384	1243.310	1207.471	1352.620	1405.281	1400.427
70.0	1188.122	1204.745	1067.974	1132.071	1063.785	1194.372	1152.084	1304.149	1356.144	1344.907
70.5	1128.547	1150.422	1015.113	1082.003	1013.318	1139.052	1101.684	1248.629	1305.412	1293.111
71.0	1074.490	1096.498	962.253	1032.069	957.865	1088.652	1050.553	1197.431	1245.371	1239.054
71.5	1020.433	1037.587	904.406	977.413	906.734	1032.401	992.507	1144.704	1190.782	1177.218
72.0	959.727	984.794	852.477	927.678	848.155	981.403	940.843	1085.328	1136.193	1121.366
72.5	905.470	926.814	794.630	877.079	795.428	930.604	889.047	1032.999	1076.085	1066.045
73.0	851.480	874.153	743.831	820.562	745.161	874.685	831.666	981.935	1022.959	1005.073
73.5	792.968	821.360	693.299	769.763	691.370	823.820	780.268	925.750	970.033	951.415
74.0	741.238	764.577	637.978	714.576	644.627	773.287	725.081	874.486	909.726	889.779
74.5	684.522	715.373	589.041	665.771	598.283	718.764	674.947	815.974	856.267	833.195
75.0	634.720	666.902	542.099	618.363	547.218	671.490	624.680	763.978	797.356	777.675
75.5	586.248	612.313	490.834	565.703	502.071	625.146	569.626	713.844	745.294	717.900
76.0	534.718	565.304	441.897	517.697	458.054	572.285	522.550	660.652	694.229	664.575
76.5	489.970	520.024	389.370	469.757	410.514	524.479	476.206	614.108	639.641	611.847
77.0	445.687	471.752	364.701	419.091	376.404	472.416	422.016	567.698	592.033	554.200
77.5	397.348	429.663	305.192	376.869	326.004	426.804	380.726	517.364	545.955	504.066
78.0	369.356	383.053	263.902	330.060	288.304	384.050	332.919	474.212	497.217	456.592
78.5	310.246	340.898	227.199	289.833	251.069	337.241	290.697	426.671	453.998	407.389
79.0	272.944	300.737	194.352	241.095	210.576	295.285	254.593	385.181	405.926	373.678
79.5	237.505	244.819	162.104	217.425	176.001	245.949	216.028	344.156	363.571	313.637
80.0	198.807	226.600	135.907	186.240	144.684	221.348	184.645	299.009	324.009	273.210
80.5	165.429	194.485	113.300	157.383	112.901	190.097	157.051	246.880	281.987	236.906
81.0	131.785	159.777	92.090	128.460	86.970	157.849	129.258	228.994	237.904	200.868
81.5	103.725	129.524	74.603	104.590	63.033	130.654	107.648	194.751	206.121	171.546
82.0	78.326	100.401	54.921	83.579	47.009	105.654	90.095	165.628	172.477	145.814
82.5	55.719	78.592	36.703	62.701	35.838	82.315	71.012	134.777	141.958	118.819

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CANDELA TABULATION - (Cont.)

83.0	40.626	59.842	27.195	46.676	28.392	64.363	52.993	108.779	111.039	95.082
83.5	29.788	43.219	13.099	31.650	20.014	47.408	33.378	86.504	86.704	72.807
84.0	20.945	30.785	7.979	19.016	12.434	34.110	25.067	65.959	66.890	54.722
84.5	13.099	17.088	4.854	13.764	7.912	20.479	13.232	50.067	50.466	37.434
85.0	7.048	11.636	3.125	11.170	5.519	14.960	7.846	36.304	38.033	26.463
85.5	4.388	10.040	1.795	9.641	3.524	11.370	5.851	21.011	28.126	14.694
86.0	3.059	7.779	0.798	7.247	1.795	9.043	3.524	14.761	16.357	9.043
86.5	1.529	6.117	0.266	5.186	0.532	7.314	1.396	11.237	12.101	5.120
87.0	0.731	4.787	0.000	2.926	0.000	5.120	0.598	8.843	9.575	2.660
87.5	0.000	2.926	0.000	2.194	0.000	3.125	0.066	7.048	7.447	1.396
88.0	0.000	1.795	0.000	1.729	0.000	1.928	0.000	4.654	5.585	0.598
88.5	0.000	1.795	0.000	1.529	0.000	1.795	0.000	3.125	3.458	0.066
89.0	0.000	1.263	0.000	1.596	0.000	1.862	0.000	2.394	2.128	0.066
89.5	0.000	1.662	0.000	1.463	0.000	1.662	0.000	1.795	2.194	0.000
90.0	0.000	1.596	0.000	1.263	0.000	1.130	0.000	1.596	1.729	0.000
90.5	0.000	1.330	0.000	1.263	0.000	1.330	0.000	1.330	1.928	0.000
91.0	0.000	1.064	0.000	1.130	0.133	1.064	0.000	1.330	1.263	0.000
91.5	0.000	1.396	0.000	0.864	0.000	1.064	0.000	1.263	1.529	0.000
92.0	0.000	0.997	0.000	1.064	0.000	0.997	0.066	1.064	1.330	0.000
92.5	0.000	0.864	0.000	0.798	0.000	0.731	0.000	1.064	1.330	0.000
93.0	0.000	0.598	0.000	0.997	0.000	0.931	0.000	0.997	0.997	0.000
93.5	0.000	0.864	0.000	0.665	0.000	0.864	0.000	0.864	1.396	0.000
94.0	0.000	0.665	0.000	0.731	0.000	0.798	0.000	1.330	0.931	0.000
94.5	0.000	0.665	0.000	0.465	0.000	0.731	0.000	0.864	1.263	0.000
95.0	0.000	0.465	0.000	0.598	0.000	0.997	0.000	0.465	0.931	0.066
95.5	0.000	0.465	0.000	0.665	0.000	0.598	0.000	0.665	0.798	0.000
96.0	0.000	0.532	0.000	0.731	0.000	0.665	0.000	0.798	0.864	0.000
96.5	0.000	0.598	0.000	0.532	0.000	0.465	0.000	0.731	0.665	0.000
97.0	0.000	0.532	0.000	0.465	0.066	0.665	0.000	0.465	0.665	0.000
97.5	0.000	0.399	0.000	0.532	0.000	0.665	0.000	0.332	0.665	0.000
98.0	0.000	0.532	0.000	0.598	0.000	0.399	0.000	0.798	0.798	0.000
98.5	0.000	0.332	0.000	0.332	0.000	0.665	0.000	0.731	0.931	0.066
99.0	0.000	0.532	0.000	0.332	0.000	0.399	0.000	0.465	0.598	0.000
99.5	0.000	0.399	0.000	0.399	0.000	0.598	0.000	0.532	0.665	0.000
100.0	0.000	0.399	0.000	0.199	0.000	0.465	0.000	0.266	0.532	0.000
100.5	0.000	0.332	0.000	0.399	0.000	0.532	0.000	0.532	0.731	0.133
101.0	0.000	0.332	0.000	0.399	0.000	0.532	0.000	0.465	0.665	0.000
101.5	0.000	0.465	0.000	0.133	0.000	0.465	0.000	0.532	0.598	0.066
102.0	0.000	0.731	0.000	0.332	0.000	0.665	0.000	0.266	0.665	0.000
102.5	0.000	0.266	0.000	0.133	0.000	0.465	0.000	0.266	0.532	0.000
103.0	0.000	0.532	0.000	0.399	0.000	0.266	0.000	0.332	0.731	0.000
103.5	0.000	0.532	0.000	0.332	0.000	0.465	0.000	0.133	0.532	0.000
104.0	0.000	0.465	0.000	0.399	0.000	0.532	0.000	0.199	0.731	0.000
104.5	0.000	0.332	0.000	0.532	0.000	0.199	0.000	0.332	0.399	0.000
105.0	0.000	0.332	0.000	0.199	0.000	0.332	0.000	0.399	0.798	0.133
105.5	0.000	0.399	0.000	0.465	0.000	0.399	0.000	0.399	0.532	0.000
106.0	0.000	0.332	0.000	0.399	0.000	0.399	0.000	0.399	0.798	0.133
106.5	0.000	0.199	0.000	0.332	0.000	0.332	0.000	0.199	0.731	0.133
107.0	0.000	0.266	0.000	0.532	0.000	0.399	0.000	0.399	0.532	0.000
107.5	0.000	0.266	0.000	0.465	0.000	0.465	0.066	0.465	0.798	0.000
108.0	0.000	0.532	0.000	0.465	0.000	0.399	0.000	0.399	0.798	0.066
108.5	0.000	0.266	0.000	0.332	0.000	0.532	0.000	0.465	0.665	0.133
109.0	0.000	0.731	0.000	0.465	0.199	0.532	0.000	0.399	0.731	0.066
109.5	0.000	0.465	0.000	0.266	0.199	0.532	0.000	0.399	0.665	0.266
110.0	0.000	0.532	0.199	0.465	0.000	0.332	0.066	0.399	0.864	0.133
110.5	0.066	0.532	0.000	0.532	0.066	0.532	0.000	0.598	0.798	0.199

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CANDELA TABULATION - (Cont.)

111.0	0.066	0.665	0.000	0.731	0.199	0.798	0.000	0.465	1.064	0.133
111.5	0.000	0.532	0.199	0.332	0.000	0.532	0.199	0.399	0.931	0.066
112.0	0.066	0.532	0.133	0.465	0.000	0.332	0.066	0.532	0.798	0.465
112.5	0.000	0.399	0.133	0.532	0.000	0.532	0.000	0.598	0.931	0.399
113.0	0.199	0.598	0.000	0.864	0.199	0.266	0.000	0.665	0.864	0.266
113.5	0.133	0.532	0.199	0.798	0.066	0.532	0.266	0.332	0.997	0.266
114.0	0.000	0.532	0.199	0.465	0.199	0.598	0.133	0.465	0.997	0.399
114.5	0.066	0.598	0.199	0.731	0.199	0.465	0.066	0.332	0.997	0.532
115.0	0.199	0.465	0.266	0.731	0.199	0.731	0.332	0.399	0.997	0.332
115.5	0.066	0.665	0.000	0.665	0.066	0.665	0.066	0.465	1.263	0.465
116.0	0.199	0.731	0.133	0.598	0.000	0.665	0.133	0.465	0.997	0.465
116.5	0.266	0.665	0.266	0.532	0.199	0.598	0.199	0.532	1.064	0.465
117.0	0.133	0.598	0.266	0.532	0.399	0.532	0.332	0.532	1.396	0.332
117.5	0.199	0.532	0.199	0.731	0.199	0.598	0.199	0.532	1.396	0.598
118.0	0.399	0.598	0.266	0.731	0.266	0.665	0.399	0.532	1.396	0.598
118.5	0.266	0.931	0.266	0.665	0.199	0.864	0.199	0.532	1.330	0.665
119.0	0.199	0.864	0.133	0.731	0.399	0.532	0.199	0.465	1.263	0.465
119.5	0.266	0.598	0.465	1.064	0.266	0.665	0.399	0.665	1.662	0.532
120.0	0.266	0.931	0.399	0.997	0.532	0.997	0.399	0.931	1.396	0.665
120.5	0.465	0.798	0.665	0.997	0.266	0.798	0.465	0.665	1.330	0.731
121.0	0.399	0.864	0.266	0.665	0.332	0.864	0.266	0.864	1.396	0.665
121.5	0.399	0.731	0.532	0.731	0.465	0.798	0.332	1.064	1.928	0.731
122.0	0.665	0.731	0.532	1.130	0.532	0.864	0.532	0.731	1.995	0.997
122.5	0.465	1.064	0.465	0.864	0.532	1.064	0.665	1.064	1.729	0.931
123.0	0.798	0.997	0.665	0.931	0.532	0.665	0.598	1.064	2.061	0.931
123.5	0.798	1.130	0.399	1.596	0.665	0.864	0.532	0.864	1.928	1.130
124.0	0.798	1.263	0.731	0.997	0.798	1.064	0.598	0.997	1.795	1.396
124.5	0.665	1.064	0.598	1.130	0.665	0.997	0.532	0.931	1.795	1.263
125.0	0.731	1.130	0.798	1.463	0.731	1.064	0.465	1.064	2.061	1.064
125.5	0.798	1.529	0.731	1.795	0.798	1.064	0.731	0.931	1.928	1.330
126.0	0.864	1.463	0.931	1.130	0.798	1.529	0.665	0.864	2.128	1.330
126.5	0.864	1.263	0.864	1.064	0.465	0.864	0.665	1.396	2.128	1.396
127.0	0.864	1.396	0.931	1.064	1.263	1.330	0.798	0.997	2.128	1.263
127.5	0.997	1.330	0.864	1.529	0.665	1.330	0.731	1.263	2.261	1.729
128.0	0.798	1.396	1.263	1.130	1.064	1.463	0.997	1.596	2.593	1.662
128.5	0.997	1.795	1.463	1.529	1.330	1.463	1.330	1.729	2.460	1.529
129.0	0.598	1.662	1.130	1.596	1.463	1.662	1.396	1.396	2.593	1.995
129.5	1.396	1.795	1.396	1.729	1.263	1.596	1.396	1.529	2.527	1.928
130.0	0.864	1.529	1.130	1.729	1.529	1.795	1.064	1.330	2.527	1.862
130.5	1.130	1.795	0.997	2.061	1.130	1.729	1.263	1.463	2.660	1.795
131.0	1.130	2.061	1.463	2.128	1.263	1.729	1.263	1.662	2.793	2.261
131.5	1.463	1.995	1.862	1.795	1.463	1.596	1.396	1.396	2.726	2.261
132.0	1.064	2.061	1.596	1.795	1.662	2.061	0.997	1.928	2.793	2.327
132.5	1.662	1.729	1.729	1.928	1.330	1.795	1.662	1.662	2.859	2.061
133.0	1.463	1.729	1.130	2.194	1.596	1.928	1.263	1.662	3.125	2.261
133.5	1.795	1.862	1.463	2.194	1.396	2.128	1.596	1.729	3.125	2.327
134.0	1.795	2.061	1.662	2.394	1.529	2.128	1.330	1.862	3.059	2.327
134.5	1.862	1.928	1.729	2.061	1.596	1.928	1.330	1.596	3.325	2.327
135.0	1.396	2.327	1.529	2.194	1.529	1.995	1.596	1.928	3.391	2.660
135.5	1.928	2.128	1.995	2.527	2.061	2.194	1.463	2.061	3.325	2.926
136.0	1.862	2.527	2.261	1.928	1.729	2.593	1.862	1.995	3.258	2.460
136.5	1.862	2.261	2.261	2.261	1.928	2.128	1.662	2.327	3.059	2.327
137.0	2.194	2.593	1.928	2.394	2.261	2.261	1.662	2.061	3.391	2.793
137.5	2.194	2.527	2.261	2.394	1.928	2.261	1.862	2.061	3.590	2.660
138.0	2.061	2.660	1.928	2.593	1.995	2.194	1.729	2.327	3.192	2.859
138.5	1.928	2.327	2.128	2.660	2.194	2.460	1.928	2.394	3.524	2.926

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CANDELA TABULATION - (Cont.)

139.0	1.995	2.859	1.995	2.793	1.928	2.327	2.061	1.995	3.258	3.258
139.5	2.394	2.859	2.128	2.859	2.527	2.593	2.128	2.527	4.122	3.125
140.0	2.460	2.859	2.261	2.660	2.460	2.660	2.261	2.460	3.524	3.125
140.5	2.061	2.793	2.527	2.859	1.995	2.327	2.261	2.460	3.790	2.992
141.0	2.327	2.793	2.327	2.793	2.194	2.327	1.928	2.327	3.723	3.391
141.5	2.394	2.793	2.394	3.192	2.460	2.394	2.194	2.261	4.189	3.258
142.0	2.327	2.926	2.527	2.992	2.527	2.726	2.327	2.593	4.122	3.590
142.5	2.527	2.926	2.593	2.859	2.593	2.926	2.394	2.660	3.790	3.458
143.0	2.793	2.793	2.593	2.926	2.793	3.125	2.460	2.793	4.122	3.790
143.5	2.593	2.859	2.859	3.125	2.793	2.992	2.527	2.660	4.056	3.723
144.0	2.593	3.258	2.992	2.926	2.660	3.325	2.460	2.527	4.455	4.122
144.5	2.793	3.391	2.926	2.992	2.926	2.793	2.660	2.660	4.122	3.923
145.0	2.926	3.458	2.660	3.458	3.059	3.125	2.527	2.660	4.388	3.856
145.5	3.125	3.192	2.859	3.391	3.391	2.992	2.793	2.859	4.654	3.989
146.0	3.258	3.391	3.059	3.325	3.458	3.192	2.527	2.926	4.388	4.388
146.5	2.926	3.723	2.859	3.391	3.192	3.125	2.793	3.059	4.920	3.923
147.0	3.391	3.790	3.192	3.524	2.992	3.258	3.125	2.726	4.854	3.923
147.5	3.391	3.989	3.458	3.723	3.258	3.325	2.859	3.391	4.588	4.322
148.0	3.125	4.056	3.325	3.856	3.125	3.258	2.726	3.790	4.920	4.455
148.5	3.391	3.856	3.590	3.723	3.258	3.723	3.325	3.790	5.053	4.255
149.0	3.125	3.790	3.790	3.590	3.723	3.590	3.590	3.458	5.053	4.388
149.5	3.723	3.989	3.524	3.856	3.590	3.590	3.524	3.391	5.053	4.322
150.0	3.391	4.056	3.524	4.122	3.590	3.856	3.192	3.723	4.854	4.455
150.5	3.856	4.322	3.524	3.923	3.790	3.790	3.391	3.391	4.987	4.854
151.0	3.856	4.521	4.056	4.322	3.856	3.989	3.458	3.790	4.920	4.787
151.5	4.056	4.189	4.255	4.322	3.989	4.322	3.590	3.590	4.987	4.322
152.0	4.322	4.455	3.856	4.056	4.189	4.189	3.590	3.590	5.186	5.120
152.5	4.588	4.521	4.322	4.455	4.388	3.989	4.255	3.391	5.120	4.987
153.0	3.856	4.388	4.455	4.255	4.122	4.255	3.989	4.255	5.386	4.987
153.5	4.521	4.654	4.189	4.654	3.923	4.322	4.122	3.989	4.854	4.787
154.0	4.255	4.654	4.521	4.455	4.255	4.322	3.723	3.923	5.718	5.053
154.5	4.255	4.388	4.255	4.588	4.189	4.521	3.856	4.255	5.585	5.053
155.0	4.455	4.920	4.388	4.588	4.255	4.521	4.255	4.388	5.452	5.120
155.5	4.787	4.588	4.721	4.787	4.654	4.521	4.255	4.255	5.718	5.186
156.0	5.120	4.854	4.721	4.588	4.588	4.787	4.388	4.189	5.718	5.652
156.5	4.787	4.920	4.721	5.253	4.455	4.588	4.388	4.521	5.785	5.120
157.0	4.588	4.920	4.854	4.854	4.654	4.920	4.322	4.322	5.785	5.386
157.5	4.920	4.920	4.654	4.388	4.521	5.120	4.322	4.654	5.186	5.918
158.0	4.920	5.652	4.521	4.854	5.253	4.787	4.322	4.721	5.785	5.253
158.5	4.721	4.920	4.987	5.253	5.053	4.787	4.189	4.654	5.519	5.319
159.0	4.721	5.452	4.854	5.120	4.654	4.920	4.189	4.721	5.652	5.319
159.5	5.120	5.120	5.053	5.386	4.787	5.053	4.920	5.120	6.117	5.253
160.0	4.721	5.186	5.120	5.120	4.787	5.120	4.521	5.186	6.117	5.585
160.5	4.521	4.987	5.120	5.253	4.987	5.186	4.787	4.787	6.317	5.585
161.0	5.452	5.319	5.319	5.186	5.186	5.253	4.588	4.521	5.585	5.918
161.5	5.519	5.253	5.386	5.120	5.053	4.920	4.787	5.186	5.918	5.652
162.0	5.120	5.785	5.585	5.386	4.854	5.519	4.920	4.854	6.117	5.652
162.5	5.186	5.319	5.652	5.186	4.920	5.253	5.253	4.787	6.250	5.718
163.0	5.386	5.718	5.319	5.519	5.452	5.253	5.452	5.253	6.450	5.652
163.5	5.519	5.452	5.452	5.120	5.053	5.452	5.053	5.120	5.918	5.851
164.0	5.253	5.851	5.386	5.452	5.452	5.519	5.053	5.253	5.918	5.851
164.5	5.585	5.718	5.053	5.386	5.253	5.386	5.053	5.120	5.918	5.785
165.0	5.652	5.984	5.519	5.319	4.987	5.253	5.319	5.120	6.383	5.585
165.5	5.585	5.918	5.253	6.117	5.452	5.319	4.987	5.452	6.450	6.250
166.0	5.452	5.785	5.918	5.785	5.319	5.386	5.186	5.585	5.918	5.984
166.5	5.652	5.585	5.785	5.785	5.452	5.386	5.452	5.319	6.184	6.117

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CANDELA TABULATION - (Cont.)

167.0	5.984	5.851	5.585	5.918	5.519	5.452	5.785	5.386	6.450	5.918
167.5	5.718	5.984	6.250	5.785	5.452	5.785	5.452	5.519	6.317	5.785
168.0	5.718	5.851	5.785	5.918	5.386	5.718	5.319	5.452	6.583	5.984
168.5	5.519	5.851	6.250	5.785	5.652	5.452	5.652	5.452	6.450	6.583
169.0	5.652	5.918	5.652	5.718	5.785	5.585	5.452	5.452	6.117	5.851
169.5	6.117	6.117	5.984	6.317	5.785	6.117	5.120	5.652	6.516	6.184
170.0	5.519	5.851	5.652	5.785	5.585	5.386	5.785	5.718	6.516	5.918
170.5	6.117	5.918	5.918	5.918	5.652	5.918	5.718	5.585	6.317	5.984
171.0	5.785	6.450	5.851	5.785	5.984	5.785	5.452	5.851	6.184	6.184
171.5	5.851	6.383	5.984	5.851	5.851	5.652	5.386	5.585	6.849	6.450
172.0	5.918	6.117	5.918	5.984	5.718	5.984	5.984	5.585	6.383	6.250
172.5	6.250	5.851	5.851	5.851	5.984	6.250	5.918	5.519	6.184	6.117
173.0	5.918	6.450	5.718	6.250	5.984	6.117	6.317	5.652	6.583	6.317
173.5	5.918	6.383	5.785	5.918	6.117	5.519	5.652	5.452	6.117	6.250
174.0	5.718	6.184	5.918	6.117	5.652	5.785	5.918	5.718	6.117	6.849
174.5	6.117	6.250	5.851	6.184	5.851	5.918	5.984	5.652	6.450	6.516
175.0	6.184	5.785	6.184	6.117	5.851	5.918	5.851	5.718	6.317	5.718
175.5	5.519	6.184	5.984	6.184	5.851	6.450	5.452	5.718	6.184	6.317
176.0	5.785	5.984	5.718	5.718	6.184	6.184	5.519	5.785	6.117	6.117
176.5	6.117	6.383	6.117	6.450	5.984	5.984	6.117	6.184	6.849	6.516
177.0	5.918	6.383	5.785	5.718	5.918	6.184	5.785	5.984	6.250	5.984
177.5	5.718	6.383	6.117	6.184	5.918	5.519	5.718	6.184	6.583	5.918
178.0	5.851	6.317	6.317	6.317	5.785	5.851	5.519	5.984	6.184	5.918
178.5	5.918	6.450	6.184	6.184	5.918	5.785	5.851	5.452	6.317	6.317
179.0	5.918	6.516	6.317	6.184	5.585	5.652	5.785	5.984	6.450	6.184
179.5	5.984	5.918	6.383	5.918	6.184	5.918	5.918	5.718	6.383	6.184
180.0	6.091	6.091	6.091	6.091	6.091	6.091	6.091	6.091	6.091	6.091

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	20232.056	20232.056	20232.056	20232.056	20232.056	20232.056	20232.056
0.5	20300.474	20251.072	20195.220	20148.743	20105.191	20060.177	20438.376
1.0	20303.400	20253.997	20198.877	20150.205	20105.923	20055.057	20433.256
1.5	20306.991	20253.266	20200.273	20146.548	20104.460	20050.004	20427.472
2.0	20306.991	20252.535	20201.736	20146.548	20101.534	20043.488	20420.224
2.5	20307.722	20248.878	20201.736	20142.958	20097.212	20035.509	20409.320
3.0	20303.400	20244.556	20198.877	20135.710	20092.159	20025.336	20399.147
3.5	20298.280	20238.040	20194.488	20128.463	20085.577	20008.647	20381.793
4.0	20291.033	20229.994	20187.906	20116.827	20074.672	19994.085	20362.178
4.5	20282.322	20217.694	20180.658	20105.923	20062.305	19976.731	20344.757
5.0	20272.881	20206.856	20169.820	20092.159	20050.004	19956.385	20320.089
5.5	20259.051	20193.757	20159.581	20073.941	20033.315	19936.039	20294.623
6.0	20246.019	20178.464	20144.354	20054.393	20015.163	19912.834	20269.290
6.5	20229.329	20161.110	20127.665	20031.919	19996.279	19884.509	20238.771
7.0	20209.715	20140.764	20110.976	20010.110	19973.008	19856.184	20208.318
7.5	20190.100	20116.827	20091.361	19984.644	19948.340	19827.127	20173.411
8.0	20167.626	20089.167	20068.156	19957.781	19920.813	19792.353	20139.301
8.5	20140.764	20061.640	20042.025	19929.523	19891.091	19758.176	20103.728
9.0	20115.364	20033.315	20012.304	19897.541	19861.237	19718.215	20061.640
9.5	20083.382	19999.205	19986.173	19860.572	19825.736	19679.052	20020.948
10.0	20051.467	19965.827	19949.869	19827.127	19791.621	19636.964	19978.859
10.5	20018.088	19925.201	19917.156	19784.374	19748.735	19589.024	19929.523
11.0	19977.396	19888.099	19881.650	19742.950	19707.377	19544.808	19883.777
11.5	19938.898	19846.011	19838.763	19700.130	19665.289	19497.596	19834.375
12.0	19899.004	19801.794	19800.265	19651.525	19617.415	19443.143	19778.522

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CANDELA TABULATION - (Cont.)

12.5	19853.25819756.71419757.51119605.78019571.67019390.88219726.261
13.0	19809.04219711.76619708.84019558.57119522.99919331.37319665.289
13.5	19758.17619658.77319663.09519502.71919468.54319278.37919610.833
14.0	19710.96819610.10219614.49019452.58519417.74419223.19219554.914
14.5	19661.63219554.24919560.69919390.15019360.42919158.63019489.620
15.0	19604.25019500.52519508.50419335.76119305.24219101.98019428.648
15.5	19552.05519445.33819447.53219279.84219247.86019040.27619364.751
16.0	19496.86819384.36619395.20419215.94519183.96318970.59419295.800
16.5	19434.43319325.52119338.62019156.43519123.72218906.69619232.634
17.0	19374.12619259.49619273.99119094.66619061.28718834.08919160.026
17.5	19305.90719197.79319213.01919024.25218990.14218765.13819091.807
18.0	19242.80719135.35819144.06818960.42118925.51318698.38119021.393
18.5	19181.10419062.08519083.09618887.81318858.09218617.79418942.269
19.0	19109.22718993.79919017.00418817.39918781.82718546.64918870.393
19.5	19041.67318927.04318945.92618746.98618713.60718473.31018787.678
20.0	18971.25918848.65018877.70618669.32518636.61118389.86418712.145
20.5	18893.59818774.57918808.68918596.05218563.33818312.13718632.356
21.0	18820.99018702.76918730.29718518.39118489.33418232.34818542.261
21.5	18736.87918617.06318655.49518429.75918402.23218141.58818457.352
22.0	18662.07718537.93918571.31718349.23818323.77218055.94818368.787
22.5	18584.41618447.91118493.65618254.82218243.18617960.86618267.854
23.0	18495.11918362.93618413.06918169.91318150.29817870.77118172.772
23.5	18412.33818276.63118321.57818082.07918065.39017775.02518077.025
24.0	18326.63218177.89218239.59517983.34017967.31617666.11317966.651
24.5	18225.76518085.66918153.22417889.65517875.16017565.91217866.449
25.0	18132.14617993.51318054.48517796.03617778.61517462.12017745.237
25.5	18028.28817886.79617965.18817684.26517670.50117344.49717633.466
26.0	17933.20617786.59417870.10617582.66717568.10617232.72717515.844
26.5	17832.34017671.16617759.79817476.61417462.12017104.99817383.727
27.0	17716.18017565.18017658.13417354.73717343.76616988.04117265.440
27.5	17607.33517454.14117539.11617244.36217231.99516868.29117143.430
28.0	17494.76617329.27117431.60017114.44017119.49316734.77817004.065
28.5	17367.03817215.30617322.02416996.08616990.23516614.23016879.262
29.0	17250.14717097.75117197.15416875.60516871.88216490.82316741.294
29.5	17122.41916967.03017082.45816742.02516739.10016348.60016613.499
30.0	16999.01216845.08616965.56716618.61916614.23016222.26716483.576
30.5	16876.27016721.74616829.85916479.25416487.89816081.37416340.554
31.0	16739.10016584.50916706.45316354.38416347.80215952.91416212.094
31.5	16610.64016457.44516565.62516226.58916217.87915825.18516069.073
32.0	16479.98516316.61816436.43416082.90316090.15015688.74615942.741
32.5	16334.77016185.96416306.44515953.64515948.59215564.54115817.938
33.0	16204.11616058.16816163.42315822.99115822.32615444.06015685.754
33.5	16060.36315914.48216032.76915681.49915682.89515313.40615569.595
34.0	15932.63415787.41815905.04015554.36815556.56315199.44115454.965
34.5	15806.30215649.45015767.13915432.49115433.15615072.37715327.968
35.0	15666.93715527.57315642.20315295.25415302.50214959.21015216.130
35.5	15544.92715404.09915504.30115176.90115184.14814847.30615102.897
36.0	15413.60815270.58615380.16315046.97815065.86114724.69714979.490
36.5	15292.32915154.42715258.21914930.81914940.26014615.12114864.793
37.0	15174.04215037.53615124.63914816.85414827.75814504.01514739.924
37.5	15043.32114908.34515007.81514693.44714702.22414379.14514625.959
38.0	14925.76514791.45414892.38714578.01914591.11814265.91214514.853
38.5	14813.19714676.02614765.32314463.32314478.54914143.23614388.587
39.0	14686.19914550.42514649.89514337.72214353.01414028.54014273.159
39.5	14571.50314439.38614524.29514228.14514240.51213914.57514159.194
40.0	14457.53814313.78514412.52414115.64314130.20413786.78014027.742

CANDELA TABULATION - (Cont.)

40.5	14331.93	714198.42	414301.41	813990.77	314005.26	813670.62	013904.402	
41.0	14217.30	714084.45	914176.61	513877.54	013893.49	713550.87	113753.401	
41.5	14089.51	213956.66	314062.65	013751.20	713765.03	713411.50	613606.789	
42.0	13973.35	313839.77	313935.58	613636.51	113646.68	413277.19	513447.079	
42.5	13857.92	513720.02	313820.22	513519.68	713526.20	313113.09	613252.527	
43.0	13725.14	313584.31	613704.73	013388.30	113389.69	712948.33	213059.438	
43.5	13601.67	013457.18	513572.68	013261.96	913266.29	112763.22	212851.056	
44.0	13470.35	013306.98	313453.59	513124.73	213132.71	112533.16	412592.673	
44.5	13317.08	913163.96	113328.72	512962.82	712967.94	712305.16	712329.836	
45.0	13169.01	513011.49	813179.91	912795.20	412795.20	412061.28	012019.191	
45.5	12988.29	312821.33	513033.24	112585.42	612578.84	311764.39	911725.169	
46.0	12811.16	212632.56	812871.46	912370.52	812358.89	211478.35	611420.309	
46.5	12615.87	912419.86	412670.33	412133.88	712117.93	011177.81	811066.047	
47.0	12376.31	312157.82	412462.75	011853.69	611829.69	310827.94	410733.593	
47.5	12136.81	311905.22	612210.81	711577.82	611549.50	110504.20	010386.578	
48.0	11853.69	611601.76	211966.92	911286.72	911258.40	410133.98	09993.884	
48.5	11574.23	511314.32	311706.28	610947.02	810918.70	39789.159	9637.494	
49.0	11279.48	211010.19	511393.44	710625.41	310595.69	29435.695	9235.292	
49.5	10934.66	110655.93	211093.64	010258.11	810262.50	79039.277	8865.803	
50.0	10609.45	510325.67	310782.92	99923.471	9877.060	8675.573	8494.852	
50.5	10274.07	69984.443	10421.42	09578.650	9522.731	8312.601	8082.476	
51.0	9892.220	9598.265	10086.10	79185.956	9125.715	7903.949	7708.666	
51.5	9541.615	9243.936	9702.788	8823.648	8762.011	7530.803	7327.541	
52.0	9180.836	8841.867	9344.869	8455.622	8396.113	7114.837	6907.253	
52.5	8769.990	8470.117	8985.553	8047.702	7990.320	6742.489	6535.570	
53.0	8398.307	8097.038	8582.686	7678.213	7626.616	6372.934	6167.611	
53.5	7984.535	7681.072	8216.123	7264.441	7219.361	5975.187	5765.408	
54.0	7612.852	7305.067	7847.299	6897.147	6857.851	5621.722	5406.093	
54.5	7244.826	6932.653	7435.788	6533.442	6498.535	5271.050	5019.183	
55.0	6836.108	6524.001	7061.911	6126.187	6097.862	4890.657	4685.201	
55.5	6468.814	6156.640	6650.998	5763.946	5740.740	4554.546	4363.652	
56.0	6097.197	5790.808	6281.576	5406.093	5385.747	4227.944	4017.368	
56.5	5689.144	5392.994	5917.074	5019.183	4995.180	3885.251	3748.081	
57.0	5332.022	5043.851	5513.542	4674.363	4654.748	3692.893	3399.403	
57.5	4942.985	4665.586	5157.816	4337.521	4285.990	3284.507	3148.667	
58.0	4601.755	4337.521	4809.405	3982.593	3965.904	3031.976	2921.202	
58.5	4272.160	4021.756	4440.581	3728.466	3663.172	2806.838	2693.605	
59.0	3922.286	3732.056	4119.032	3356.251	3348.073	2587.751	2518.734	
59.5	3625.405	3396.943	3774.943	3094.344	3088.227	2420.793	2376.444	
60.0	3347.408	3111.632	3486.041	2858.369	2781.306	2283.889	2243.263	
60.5	3064.290	2877.651	3217.418	2629.308	2627.313	2157.623	2139.671	
61.0	2783.966	2670.599	2829.977	2452.243	2456.432	2071.318	2062.807	
61.5	2605.571	2469.664	2729.111	2283.557	2298.716	2002.766	2008.352	
62.0	2432.097	2317.999	2532.032	2161.812	2177.770	1960.744	1968.923	
62.5	2290.605	2195.323	2346.390	2074.177	2085.747	1921.382	1924.839	
63.0	2165.536	2093.792	2222.718	2010.346	2019.721	1876.102	1883.482	
63.5	2078.765	2025.174	2129.564	1967.992	1977.832	1834.545	1839.931	
64.0	2015.666	1968.657	2049.443	1928.097	1933.018	1791.392	1791.326	
64.5	1964.933	1925.970	1995.718	1881.953	1892.924	1742.389	1746.245	
65.0	1925.571	1882.618	1946.715	1838.268	1852.098	1697.242	1700.234	
65.5	1885.809	1831.686	1903.163	1790.329	1805.954	1650.432	1649.169	
66.0	1840.330	1785.076	1859.412	1745.514	1761.871	1598.370	1603.623	
66.5	1795.781	1738.665	1810.475	1699.236	1716.191	1552.824	1552.225	
67.0	1743.054	1684.808	1765.262	1646.908	1666.523	1501.892	1504.352	
67.5	1698.638	1638.730	1717.521	1600.697	1619.713	1453.886	1455.614	
68.0	1656.283	1592.718	1664.129	1553.755	1572.704	1404.018	1401.823	

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CANDELA TABULATION - (Cont.)

68.5	1609.208	1540.058	1617.852	1497.636	1521.307	1349.229	1352.022
69.0	1564.327	1491.054	1569.579	1447.436	1475.229	1299.827	1295.172
69.5	1517.850	1433.340	1515.190	1393.446	1422.635	1248.961	1241.780
70.0	1466.851	1383.405	1464.458	1344.242	1373.897	1189.386	1188.122
70.5	1420.374	1333.072	1408.472	1293.244	1321.569	1135.528	1128.547
71.0	1366.583	1277.087	1359.269	1235.198	1260.464	1075.554	1074.490
71.5	1314.787	1224.293	1307.673	1182.072	1205.676	1020.832	1020.433
72.0	1260.930	1170.170	1250.424	1128.281	1151.153	967.373	959.727
72.5	1200.490	1110.594	1198.362	1068.240	1088.253	905.803	905.470
73.0	1145.701	1056.803	1145.834	1013.651	1029.741	849.951	851.480
73.5	1090.913	1002.946	1088.187	952.213	966.509	795.761	792.968
74.0	1026.749	944.567	1035.061	896.029	910.524	736.584	741.238
74.5	968.570	890.643	975.020	839.778	856.001	683.790	684.522
75.0	912.053	830.602	922.226	778.739	795.229	632.061	634.720
75.5	850.217	777.143	868.634	723.685	738.845	574.347	586.248
76.0	794.630	723.419	808.660	669.761	676.609	523.947	534.718
76.5	731.132	665.040	755.933	610.983	623.616	471.685	489.970
77.0	675.545	612.845	704.004	558.389	572.684	426.671	445.687
77.5	622.486	555.995	647.952	508.122	517.298	384.383	397.348
78.0	566.501	505.795	600.012	455.528	468.360	329.395	369.356
78.5	516.633	458.320	548.349	410.314	423.014	292.426	310.246
79.0	461.778	407.721	502.803	373.279	375.872	255.258	272.944
79.5	414.570	375.805	458.121	316.030	336.376	217.691	237.505
80.0	371.617	318.756	407.588	276.734	296.349	186.706	198.807
80.5	327.799	274.939	362.441	237.172	242.226	156.586	165.429
81.0	289.235	239.167	318.623	204.126	221.613	132.383	131.785
81.5	245.085	206.055	247.212	173.607	188.568	109.045	103.725
82.0	216.028	170.283	232.983	141.958	162.437	84.310	78.326
82.5	186.041	140.029	191.560	115.029	140.229	64.961	55.719
83.0	159.910	109.244	158.381	89.430	118.486	46.078	40.626
83.5	135.309	86.571	128.593	69.948	97.542	30.652	29.788
84.0	114.829	67.156	99.271	52.195	71.876	20.479	20.945
84.5	91.026	47.873	77.462	33.844	51.863	11.370	13.099
85.0	69.217	32.447	60.640	25.798	34.509	5.452	7.048
85.5	48.671	25.067	45.413	16.024	14.894	2.793	4.388
86.0	29.987	16.157	33.312	7.247	9.841	1.928	3.059
86.5	15.825	6.982	19.482	2.726	7.181	0.731	1.529
87.0	9.708	3.059	11.702	0.798	5.984	0.731	0.731
87.5	7.247	0.864	7.380	0.332	4.854	0.066	0.000
88.0	5.785	0.399	5.452	0.133	3.590	0.000	0.000
88.5	4.588	0.133	3.989	0.000	2.394	0.000	0.000
89.0	2.859	0.000	3.258	0.000	2.061	0.000	0.000
89.5	2.527	0.066	2.527	0.000	1.995	0.000	0.000
90.0	2.128	0.000	1.995	0.000	1.662	0.000	0.000
90.5	1.130	0.000	1.729	0.000	1.795	0.000	0.000
91.0	1.662	0.000	1.596	0.000	1.529	0.000	0.000
91.5	1.596	0.000	1.862	0.000	1.396	0.000	0.000
92.0	1.795	0.000	1.330	0.000	1.396	0.000	0.000
92.5	0.931	0.000	1.596	0.000	1.463	0.000	0.000
93.0	1.263	0.000	1.064	0.000	0.997	0.000	0.000
93.5	1.064	0.000	1.463	0.000	1.263	0.000	0.000
94.0	0.931	0.000	0.997	0.000	1.396	0.000	0.000
94.5	0.931	0.066	1.130	0.000	0.864	0.000	0.000
95.0	1.064	0.000	0.798	0.000	0.798	0.000	0.000
95.5	0.997	0.000	0.731	0.000	0.798	0.000	0.000
96.0	0.665	0.000	0.864	0.000	0.598	0.000	0.000

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CANDELA TABULATION - (Cont.)

96.5	0.931	0.000	0.532	0.000	0.864	0.000	0.000
97.0	0.598	0.000	0.864	0.000	0.598	0.000	0.000
97.5	0.798	0.000	0.731	0.000	0.598	0.000	0.000
98.0	0.665	0.000	0.931	0.000	0.798	0.066	0.000
98.5	0.864	0.000	0.798	0.000	0.665	0.000	0.000
99.0	0.731	0.000	0.731	0.000	0.864	0.000	0.000
99.5	0.997	0.000	0.864	0.000	0.665	0.066	0.000
100.0	0.731	0.000	0.665	0.000	0.532	0.000	0.000
100.5	0.465	0.000	0.731	0.000	0.798	0.000	0.000
101.0	0.532	0.000	0.864	0.000	0.665	0.000	0.000
101.5	0.532	0.066	0.731	0.000	0.465	0.000	0.000
102.0	0.665	0.066	0.731	0.000	0.731	0.000	0.000
102.5	0.665	0.000	0.665	0.000	0.731	0.000	0.000
103.0	0.665	0.000	0.665	0.000	0.731	0.000	0.000
103.5	0.731	0.066	0.665	0.000	0.532	0.000	0.000
104.0	0.532	0.000	0.665	0.000	0.399	0.066	0.000
104.5	0.798	0.000	0.798	0.000	0.731	0.000	0.000
105.0	0.798	0.000	0.465	0.000	0.465	0.000	0.000
105.5	0.798	0.000	0.665	0.000	0.532	0.000	0.000
106.0	0.399	0.133	0.465	0.000	0.665	0.000	0.000
106.5	0.532	0.000	0.598	0.000	0.532	0.000	0.000
107.0	0.997	0.133	0.465	0.000	0.731	0.199	0.000
107.5	0.931	0.000	0.665	0.199	0.399	0.133	0.000
108.0	0.665	0.066	0.399	0.066	0.665	0.000	0.000
108.5	0.598	0.000	0.532	0.133	0.798	0.133	0.000
109.0	0.665	0.199	0.864	0.199	0.798	0.000	0.000
109.5	0.864	0.133	0.532	0.066	0.731	0.066	0.000
110.0	0.798	0.266	0.665	0.199	0.665	0.199	0.000
110.5	0.864	0.133	0.598	0.199	0.532	0.000	0.066
111.0	0.665	0.133	0.665	0.266	0.598	0.199	0.066
111.5	0.465	0.133	0.864	0.133	0.798	0.133	0.000
112.0	0.997	0.332	0.931	0.133	0.665	0.133	0.066
112.5	0.798	0.266	0.864	0.133	0.731	0.266	0.000
113.0	0.864	0.266	0.931	0.199	0.798	0.266	0.199
113.5	0.864	0.199	1.330	0.199	0.931	0.332	0.133
114.0	0.931	0.133	0.931	0.465	0.931	0.465	0.000
114.5	0.798	0.133	0.731	0.266	0.798	0.332	0.066
115.0	0.931	0.266	0.931	0.399	0.864	0.133	0.199
115.5	1.263	0.266	0.731	0.598	0.931	0.399	0.066
116.0	0.798	0.266	0.798	0.465	0.798	0.399	0.199
116.5	1.064	0.399	0.931	0.665	1.130	0.532	0.266
117.0	0.931	0.465	1.263	0.332	0.931	0.266	0.133
117.5	0.997	0.532	0.931	0.332	0.997	0.465	0.199
118.0	0.997	0.399	1.064	0.465	1.130	0.598	0.399
118.5	0.798	0.532	0.997	0.399	0.997	0.399	0.266
119.0	1.396	0.731	1.130	0.399	1.596	0.598	0.199
119.5	1.396	0.465	1.330	0.465	1.263	0.731	0.266
120.0	1.529	0.532	1.330	0.665	1.463	0.864	0.266
120.5	1.396	0.864	1.529	0.532	1.130	0.864	0.465
121.0	1.596	0.665	1.330	0.731	1.130	0.798	0.399
121.5	1.463	0.532	1.330	0.864	1.330	0.864	0.399
122.0	1.263	0.598	1.330	0.798	1.263	0.931	0.665
122.5	1.463	0.665	1.463	0.931	1.263	0.931	0.465
123.0	1.662	0.864	1.662	1.064	1.729	1.064	0.798
123.5	1.729	0.997	1.529	0.665	1.463	0.931	0.798
124.0	1.729	0.997	1.596	1.064	1.529	1.396	0.798

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CANDELA TABULATION - (Cont.)

124.5	1.529	1.130	1.463	1.064	1.596	1.263	0.665
125.0	1.529	0.997	1.596	1.064	1.862	1.064	0.731
125.5	1.529	1.263	1.795	0.997	1.928	1.064	0.798
126.0	1.795	1.396	1.529	0.997	1.995	1.396	0.864
126.5	1.928	1.662	1.729	1.596	2.061	1.064	0.864
127.0	2.261	1.064	1.729	1.463	2.194	1.396	0.864
127.5	2.194	1.263	1.862	1.529	2.194	1.529	0.997
128.0	2.061	1.330	2.194	1.928	2.061	1.862	0.798
128.5	2.261	1.463	1.928	1.662	2.261	1.795	0.997
129.0	2.327	1.263	1.995	1.263	1.795	1.463	0.598
129.5	2.394	1.662	2.194	1.662	2.460	1.862	1.396
130.0	2.327	1.862	1.862	1.729	2.726	1.795	0.864
130.5	1.995	1.729	2.327	1.662	2.394	1.862	1.130
131.0	2.194	1.729	2.726	1.862	2.327	1.928	1.130
131.5	2.327	1.463	2.327	1.928	2.327	1.596	1.463
132.0	2.261	1.928	2.593	1.928	2.261	2.061	1.064
132.5	2.460	1.928	2.593	1.795	2.726	1.995	1.662
133.0	2.793	2.061	2.660	2.194	2.327	2.261	1.463
133.5	2.926	2.261	2.660	2.128	2.460	2.061	1.795
134.0	2.593	2.327	2.793	2.061	2.793	2.061	1.795
134.5	2.527	2.194	2.593	2.394	2.926	2.194	1.862
135.0	3.125	2.460	2.793	2.261	2.992	2.194	1.396
135.5	2.992	2.460	2.793	2.394	3.125	2.194	1.928
136.0	3.059	2.460	3.059	2.327	2.593	2.394	1.862
136.5	2.859	2.261	3.125	2.394	2.926	2.593	1.862
137.0	3.125	2.793	3.524	2.793	3.059	2.593	2.194
137.5	3.192	2.726	3.192	2.593	3.059	2.859	2.194
138.0	3.125	2.793	3.125	2.926	3.391	2.859	2.061
138.5	3.059	2.859	3.258	2.527	3.524	2.793	1.928
139.0	3.258	3.059	3.391	2.926	3.325	2.926	1.995
139.5	3.723	3.059	3.391	2.726	3.458	3.125	2.394
140.0	3.856	2.527	3.325	2.859	3.524	2.926	2.460
140.5	3.458	3.059	3.923	2.992	3.391	2.992	2.061
141.0	3.590	2.726	3.258	2.992	3.524	3.125	2.327
141.5	3.723	2.992	3.790	2.793	3.192	3.192	2.394
142.0	3.923	3.125	3.723	3.125	3.391	2.992	2.327
142.5	3.590	3.524	3.989	3.059	3.723	3.458	2.527
143.0	3.458	3.059	4.122	3.458	3.723	3.458	2.793
143.5	3.856	3.458	3.391	3.325	3.856	3.391	2.593
144.0	4.322	3.723	3.723	3.590	3.856	3.524	2.593
144.5	4.654	3.391	4.056	3.458	4.056	3.524	2.793
145.0	4.654	3.790	3.989	3.856	3.923	4.122	2.926
145.5	4.255	3.856	4.189	3.790	3.923	3.856	3.125
146.0	4.122	4.056	3.989	3.856	4.322	3.458	3.258
146.5	4.388	3.590	4.189	3.590	4.122	3.856	2.926
147.0	4.388	3.590	4.122	3.790	4.388	3.856	3.391
147.5	4.322	3.923	4.255	3.989	3.923	4.255	3.391
148.0	4.787	4.122	4.255	4.122	4.056	3.923	3.125
148.5	4.455	4.388	4.787	3.989	4.588	4.255	3.391
149.0	4.521	4.189	4.920	4.455	4.521	4.056	3.125
149.5	4.721	4.721	4.521	4.255	4.455	4.255	3.723
150.0	4.654	4.388	4.322	4.122	4.588	3.856	3.391
150.5	5.319	4.189	4.521	4.255	4.721	4.056	3.856
151.0	4.920	4.189	4.388	4.455	4.854	4.455	3.856
151.5	4.654	4.455	4.654	4.255	4.987	4.056	4.056
152.0	4.987	4.787	5.186	4.455	4.920	4.787	4.322

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CANDELA TABULATION - (Cont.)

152.5	5.186	4.854	4.787	4.455	4.920	4.854	4.588
153.0	4.987	4.721	5.053	4.721	4.721	4.521	3.856
153.5	4.854	4.787	4.787	4.721	4.854	4.521	4.521
154.0	5.186	4.854	5.319	4.521	4.854	4.787	4.255
154.5	5.452	5.120	4.854	4.987	4.987	4.920	4.255
155.0	5.386	4.987	4.987	5.053	4.787	5.186	4.455
155.5	4.987	4.854	5.186	4.721	5.253	4.255	4.787
156.0	5.519	4.920	5.319	5.053	4.854	4.920	5.120
156.5	5.718	5.718	5.120	5.253	5.585	4.920	4.787
157.0	5.519	4.987	5.186	4.588	5.120	4.854	4.588
157.5	5.585	4.920	5.319	5.253	5.452	5.253	4.920
158.0	5.585	5.319	5.053	4.588	5.452	4.920	4.920
158.5	5.718	5.120	5.519	4.721	5.186	5.186	4.721
159.0	5.652	5.120	5.452	4.854	4.787	5.452	4.721
159.5	5.585	5.452	5.386	5.585	5.519	5.319	5.120
160.0	5.785	5.319	5.319	5.718	5.319	5.452	4.721
160.5	5.718	5.452	5.585	5.120	5.452	5.652	4.521
161.0	5.984	5.386	5.585	5.452	5.452	5.253	5.452
161.5	5.785	5.652	5.452	5.452	5.585	4.987	5.519
162.0	6.184	5.519	5.585	5.319	6.117	5.120	5.120
162.5	6.250	5.585	5.851	5.519	5.785	4.987	5.186
163.0	5.785	5.452	5.851	5.652	5.918	5.319	5.386
163.5	5.851	5.452	5.918	6.117	5.319	5.785	5.519
164.0	6.184	5.585	6.117	5.918	5.585	5.585	5.253
164.5	5.851	5.519	5.519	5.186	5.918	5.718	5.585
165.0	6.516	5.785	5.718	5.718	5.851	5.519	5.652
165.5	5.851	5.918	5.785	5.785	5.585	5.519	5.585
166.0	5.984	6.184	6.184	5.585	5.918	5.785	5.452
166.5	6.250	5.984	5.918	5.785	5.785	5.585	5.652
167.0	6.117	5.918	5.851	5.851	5.652	5.918	5.984
167.5	6.184	5.785	6.250	5.785	5.718	5.718	5.718
168.0	5.851	5.918	6.117	5.652	5.984	5.785	5.718
168.5	6.184	6.117	5.984	5.718	5.984	5.652	5.519
169.0	6.450	5.718	5.785	5.785	5.984	5.519	5.652
169.5	6.184	6.117	5.984	6.184	5.718	5.785	6.117
170.0	6.184	5.785	5.984	6.184	6.117	5.319	5.519
170.5	5.984	5.851	6.184	5.718	5.851	5.585	6.117
171.0	5.918	5.918	5.785	5.918	5.918	5.851	5.785
171.5	6.450	6.117	6.516	6.516	5.984	5.718	5.851
172.0	6.450	5.851	5.851	5.718	6.317	6.250	5.918
172.5	6.117	5.984	5.851	6.383	5.918	6.117	6.250
173.0	6.250	5.918	6.184	5.585	6.516	6.117	5.918
173.5	6.250	5.785	5.984	5.718	6.117	6.250	5.918
174.0	6.117	6.184	6.516	5.718	5.851	6.250	5.718
174.5	6.383	5.718	5.984	5.984	6.383	5.319	6.117
175.0	6.450	5.918	5.984	5.918	6.250	5.851	6.184
175.5	5.652	5.984	6.383	6.383	5.984	6.184	5.519
176.0	6.782	5.918	6.383	6.117	6.583	5.452	5.785
176.5	6.184	6.117	5.984	6.117	5.718	5.718	6.117
177.0	5.851	6.383	6.117	5.984	5.851	6.250	5.918
177.5	6.117	6.317	5.851	5.851	5.851	5.918	5.718
178.0	6.250	6.184	6.250	6.250	5.984	5.851	5.851
178.5	6.250	6.117	5.718	5.984	5.918	5.652	5.918
179.0	5.984	5.851	5.984	6.117	6.117	5.918	5.918
179.5	6.450	6.250	5.984	5.851	5.918	5.851	5.984
180.0	6.091	6.091	6.091	6.091	6.091	6.091	6.091

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	7362.47	17.70	17.70
0-30	15492.85	37.20	37.20
0-40	25013.68	60.10	60.10
0-60	39000.17	93.70	93.70
0-80	41527.57	99.80	99.80
0-90	41593.28	99.90	100.00
10-90	39680.4	95.30	95.40
20-40	17651.21	42.40	42.40
20-50	26836.24	64.50	64.50
40-70	15743.38	37.80	37.80
60-80	2527.39	6.10	6.10
70-80	770.50	1.90	1.90
80-90	65.72	0.20	0.20
90-110	0.79	0.00	0.00
90-120	1.31	0.00	0.00
90-130	2.41	0.00	0.00
90-150	6.33	0.00	0.00
90-180	10.67	0.00	0.00
110-180	9.88	0.00	0.00
0-180	41603.94	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1912.88
10-20	5449.59
20-30	8130.38
30-40	9520.83
40-50	9185.03
50-60	4801.46
60-70	1756.88
70-80	770.50
80-90	65.72
90-100	0.50
100-110	0.29
110-120	0.52
120-130	1.10
130-140	1.76
140-150	2.16
150-160	2.18
160-170	1.59
170-180	0.57

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

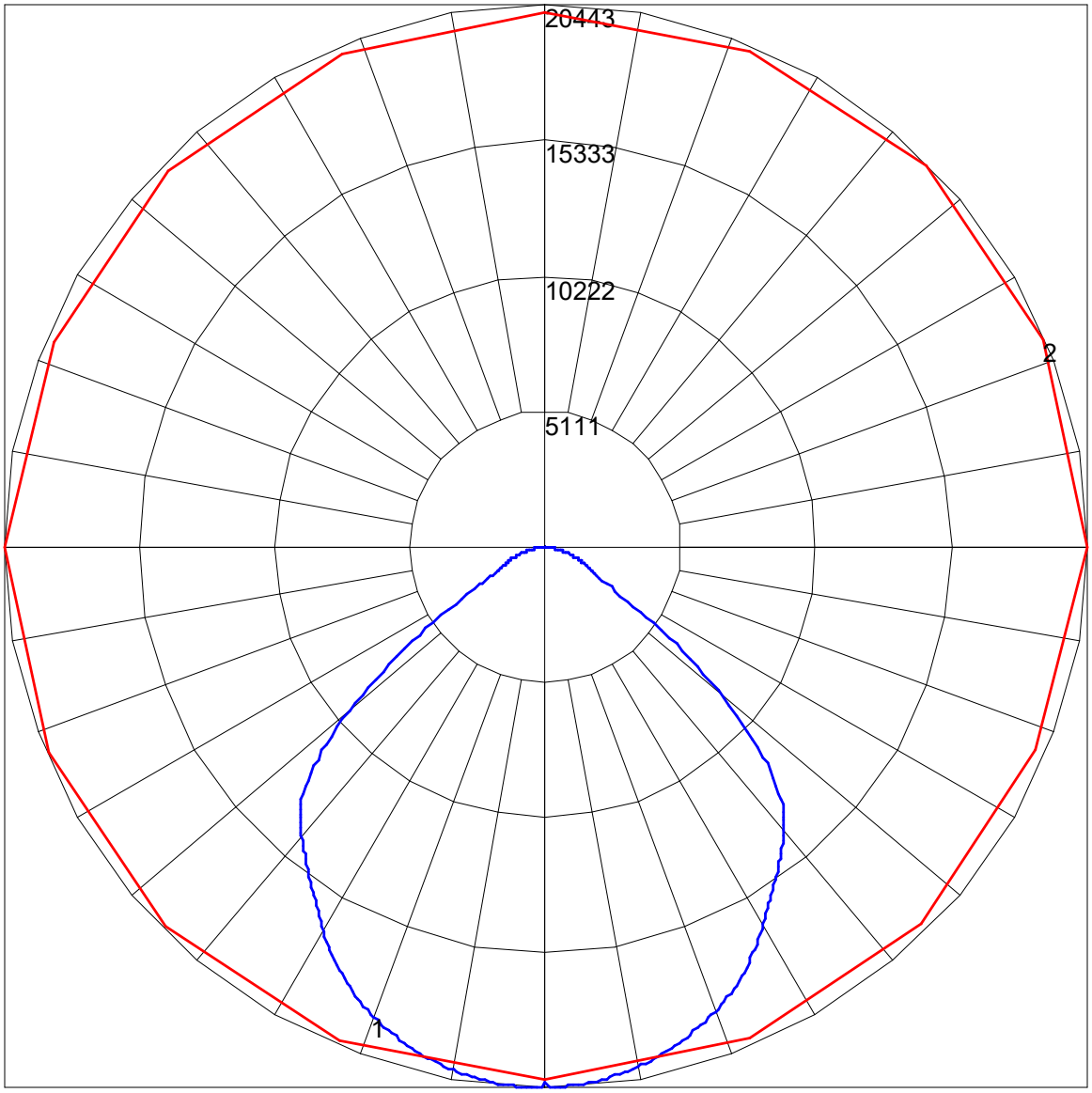
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60
5	82	71	63	57	80	70	63	57	68	61	57	66	60	56	64	59	55	54
6	76	65	57	51	75	64	56	51	62	55	50	60	54	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	44	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

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POLAR GRAPH



Maximum Candela = 20443.496 Located At Horizontal Angle = 180, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)

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DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TESTLAB] RADIANT ZEMAX
[TESTDATE] 20200629
[ISSUEDATE] 2020-06-29 10:37:36
[MANUFAC] Larson Electronics LLC
[LUMCAT] EPL-HB-300LED-RT-B-140DB
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED FIXTURE - 140 DEGREE BEAM
[MORE] GROUP B HYDROGEN
[LAMPCAT] LED
[LAMPPOSITION] 0,0
[OTHER] ZVISION 9107GT SYSTEM

CHARACTERISTICS



Lumens Per Lamp	41622.5 (1 lamp)
Total Lamp Lumens	41622.5
Luminaire Lumens	41535
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	298.96
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.76
Spacing Criterion (90-270)	1.74
Spacing Criterion (Diagonal)	2.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.50 ft
Luminous Width (90-270)	1.50 ft
Luminous Height	0.60 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	44031	38165	43994
55	72373	63933	73089
65	70092	46899	64789
75	4980	2370	4848
85	1140	530	966

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	7774.221	7774.221	7774.221	7774.221	7774.221	7774.221	7774.221	7774.221	7774.221	7774.221
0.5	7849.942	7823.190	7800.512	7774.452	7757.616	7742.549	7725.790	7713.183	7849.942	7819.731
1.0	7847.405	7824.804	7796.284	7776.143	7755.079	7741.780	7721.562	7712.337	7846.637	7816.425
1.5	7842.485	7821.422	7792.133	7771.915	7749.237	7736.706	7716.565	7708.955	7843.254	7809.737
2.0	7835.720	7816.425	7783.677	7768.532	7741.780	7733.324	7708.955	7704.727	7839.026	7803.049
2.5	7826.496	7809.737	7773.606	7761.844	7731.633	7725.790	7700.575	7698.884	7832.338	7796.284
3.0	7815.579	7799.590	7761.075	7752.696	7719.102	7717.411	7687.122	7692.196	7823.959	7786.213
3.5	7802.126	7789.596	7743.394	7740.858	7701.421	7705.649	7673.669	7681.280	7813.043	7772.760
4.0	7787.059	7776.988	7724.099	7728.327	7682.126	7688.891	7657.833	7668.749	7797.975	7754.311
4.5	7769.455	7759.384	7705.649	7708.955	7662.753	7672.901	7637.692	7651.914	7782.831	7737.475
5.0	7748.468	7744.240	7682.126	7691.350	7638.538	7653.605	7616.629	7635.155	7763.535	7719.102
5.5	7725.790	7724.945	7661.985	7669.518	7618.397	7630.927	7594.028	7615.860	7743.394	7696.347
6.0	7702.344	7698.884	7639.307	7646.072	7594.796	7610.786	7572.195	7593.182	7722.408	7675.438
6.5	7677.974	7677.129	7612.477	7622.548	7567.122	7589.800	7550.363	7573.887	7697.270	7651.068
7.0	7654.451	7651.914	7586.417	7595.719	7543.675	7562.970	7524.303	7552.054	7676.206	7625.854
7.5	7628.390	7627.545	7564.585	7572.195	7516.769	7538.601	7499.165	7525.148	7648.532	7605.713
8.0	7605.713	7603.253	7539.524	7546.212	7495.782	7513.386	7479.024	7501.702	7625.085	7580.575
8.5	7584.803	7578.038	7519.306	7521.843	7476.487	7489.940	7457.191	7477.332	7603.253	7558.742
9.0	7565.507	7557.128	7500.010	7500.856	7457.191	7469.799	7439.587	7458.037	7578.038	7539.524
9.5	7548.672	7536.064	7482.406	7481.561	7442.893	7450.503	7422.829	7439.587	7559.588	7521.843
10.0	7534.450	7516.769	7469.799	7461.419	7431.208	7433.745	7409.376	7421.060	7539.524	7506.698
10.5	7520.997	7503.393	7456.346	7448.812	7419.446	7422.829	7400.996	7408.530	7526.839	7495.782
11.0	7509.235	7489.094	7445.430	7436.282	7409.376	7411.067	7390.080	7400.151	7512.618	7485.712
11.5	7499.165	7474.796	7434.513	7424.443	7400.151	7402.688	7381.624	7389.234	7502.470	7479.869
12.0	7489.940	7463.956	7421.983	7411.912	7389.234	7393.386	7371.630	7379.087	7493.322	7470.644
12.5	7479.869	7454.655	7409.376	7400.996	7378.318	7383.392	7361.560	7369.093	7483.175	7463.034
13.0	7470.644	7441.202	7395.923	7390.849	7364.865	7372.476	7348.952	7359.023	7471.413	7453.040
13.5	7458.037	7426.980	7378.318	7377.473	7353.104	7359.023	7335.499	7346.416	7461.419	7442.893
14.0	7447.966	7413.604	7363.251	7361.560	7339.651	7346.416	7322.046	7332.194	7447.198	7428.671
14.5	7434.513	7399.228	7345.570	7348.952	7324.583	7331.271	7306.133	7319.586	7435.359	7415.218
15.0	7421.060	7384.161	7331.271	7332.963	7310.361	7315.435	7290.220	7304.442	7419.446	7400.151
15.5	7407.761	7366.557	7313.667	7316.204	7295.217	7302.751	7275.845	7287.684	7403.456	7388.389
16.0	7394.308	7351.412	7296.908	7299.445	7280.919	7287.684	7256.626	7271.694	7387.543	7376.627
16.5	7380.855	7337.191	7281.841	7283.455	7269.234	7273.462	7240.636	7257.472	7374.936	7364.020
17.0	7366.557	7321.278	7265.006	7267.466	7255.781	7259.086	7228.952	7242.405	7359.792	7354.872
17.5	7356.486	7305.288	7251.630	7252.398	7243.173	7244.865	7213.807	7228.952	7348.107	7343.033
18.0	7345.570	7291.066	7238.945	7237.331	7233.103	7233.103	7201.200	7214.653	7337.191	7332.194
18.5	7331.271	7275.845	7225.569	7223.878	7220.572	7222.187	7190.284	7202.046	7326.274	7319.586
19.0	7321.278	7265.006	7208.811	7211.270	7210.425	7208.811	7178.599	7190.284	7313.667	7306.979
19.5	7308.670	7252.398	7196.972	7195.358	7197.894	7196.972	7164.300	7176.908	7299.445	7294.372
20.0	7298.600	7238.945	7179.368	7181.905	7185.287	7185.287	7150.079	7165.915	7288.529	7281.841
20.5	7286.761	7227.260	7166.837	7167.683	7174.371	7173.525	7136.626	7154.230	7274.231	7267.466
21.0	7272.539	7211.270	7150.847	7152.539	7160.918	7160.918	7122.327	7139.931	7263.314	7254.935
21.5	7260.778	7197.894	7135.703	7137.394	7148.310	7146.619	7106.414	7124.864	7249.093	7238.945
22.0	7244.019	7181.136	7121.481	7121.481	7136.626	7130.783	7092.961	7108.105	7234.025	7223.109
22.5	7228.952	7165.915	7107.183	7107.183	7123.173	7117.330	7077.894	7092.961	7220.572	7207.888
23.0	7217.190	7149.156	7091.270	7092.961	7112.256	7100.495	7066.977	7077.894	7207.119	7192.821
23.5	7205.428	7131.552	7079.508	7076.125	7105.568	7089.578	7055.216	7064.441	7196.972	7182.750
24.0	7192.821	7119.021	7068.669	7061.904	7097.958	7080.354	7046.836	7054.293	7187.824	7173.525
24.5	7184.441	7106.414	7061.058	7050.988	7092.115	7071.974	7042.608	7044.300	7178.599	7167.683
25.0	7176.908	7097.189	7053.524	7038.457	7088.810	7066.132	7040.917	7038.457	7170.988	7164.300
25.5	7170.988	7087.887	7046.836	7027.464	7085.427	7060.289	7040.071	7034.152	7166.837	7156.767
26.0	7167.683	7079.508	7041.763	7017.394	7082.890	7054.293	7038.457	7029.155	7165.146	7154.230
26.5	7167.683	7071.129	7035.920	7009.014	7084.582	7050.142	7038.457	7029.155	7161.763	7150.847

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CANDELA TABULATION - (Cont.)

27.0	7165.146	7065.209	7035.075	7003.172	7085.427	7045.914	7035.920	7028.310	7160.072	7147.542
27.5	7166.837	7058.521	7033.383	6996.484	7089.578	7041.763	7035.075	7025.773	7160.918	7147.542
28.0	7169.297	7054.293	7031.692	6990.564	7093.807	7041.763	7034.152	7026.695	7164.300	7147.542
28.5	7172.680	7050.988	7030.847	6987.182	7098.803	7041.763	7034.152	7028.310	7166.837	7151.693
29.0	7179.368	7050.142	7029.155	6984.722	7106.414	7044.300	7034.152	7032.538	7171.834	7158.458
29.5	7186.056	7048.451	7031.692	6985.568	7116.484	7046.836	7040.917	7038.457	7177.676	7170.988
30.0	7195.358	7050.988	7035.920	6983.799	7128.246	7052.679	7049.373	7044.300	7188.593	7182.750
30.5	7207.119	7053.524	7043.454	6988.028	7140.777	7059.367	7059.367	7053.524	7197.894	7197.894
31.0	7222.187	7059.367	7050.142	6992.256	7156.767	7069.437	7076.125	7066.977	7212.962	7218.804
31.5	7243.173	7063.595	7062.672	6998.944	7171.834	7080.354	7096.267	7083.736	7232.257	7244.019
32.0	7268.388	7071.129	7077.048	7006.477	7196.972	7090.424	7119.790	7104.646	7252.398	7277.613
32.5	7299.445	7082.890	7095.498	7017.394	7220.572	7109.720	7147.542	7138.240	7279.304	7313.667
33.0	7340.573	7097.958	7123.173	7031.692	7247.325	7130.783	7182.750	7172.680	7314.513	7354.872
33.5	7385.006	7121.481	7154.230	7050.142	7283.455	7154.230	7234.794	7215.499	7349.798	7401.765
34.0	7431.208	7151.693	7190.284	7071.974	7321.278	7186.978	7296.908	7270.002	7399.228	7449.581
34.5	7495.014	7191.129	7245.710	7096.267	7374.936	7226.415	7395.077	7333.808	7448.812	7500.010
35.0	7562.970	7228.952	7316.204	7128.246	7433.745	7290.220	7514.309	7416.909	7500.856	7568.044
35.5	7652.760	7281.841	7421.060	7170.220	7510.927	7368.171	7685.508	7541.907	7568.813	7646.917
36.0	7761.075	7348.107	7633.464	7215.499	7621.702	7470.644	7880.999	7687.968	7645.149	7750.159
36.5	7944.805	7438.742	7839.026	7280.919	7778.680	7652.760	8084.178	7855.861	7737.475	7880.231
37.0	8204.179	7604.944	8011.148	7350.567	8039.668	7878.463	8352.777	8064.037	7880.231	8107.625
37.5	8377.069	7829.801	8155.441	7447.198	8433.264	8116.004	8698.481	8319.952	8097.631	8433.264
38.0	8506.295	8022.909	8297.351	7630.082	8859.609	8438.338	8956.163	8655.739	8448.409	8778.199
38.5	8656.507	8183.961	8507.141	7906.214	9097.996	8758.058	9085.389	8991.372	8801.723	9067.785
39.0	8800.032	8346.012	8748.065	8327.562	9214.692	8962.851	9093.768	9167.645	9087.926	9271.732
39.5	9040.110	8539.812	8829.474	8685.028	9234.756	9055.177	9057.714	9228.068	9277.652	9343.917
40.0	9230.605	8752.216	8794.189	8834.394	9122.289	9063.557	8925.106	9198.702	9316.166	9291.028
40.5	9225.608	8841.159	8688.410	8838.699	8974.613	8965.388	8745.528	9116.446	9238.138	9163.493
41.0	9138.279	8823.555	8560.876	8746.373	8833.626	8805.105	8624.681	8958.700	9102.225	9008.130
41.5	9003.979	8749.679	8467.704	8626.296	8729.538	8656.507	8546.577	8797.495	8964.543	8844.542
42.0	8888.206	8627.218	8424.039	8486.154	8684.259	8564.181	8516.365	8659.044	8837.854	8729.538
42.5	8821.095	8506.295	8428.268	8413.969	8683.413	8521.439	8519.748	8595.239	8758.981	8690.101
43.0	8822.710	8473.623	8458.402	8390.445	8719.467	8513.060	8560.876	8581.786	8734.612	8706.860
43.5	8860.532	8491.228	8516.365	8409.818	8779.122	8551.651	8627.218	8594.470	8748.065	8766.438
44.0	8924.261	8533.970	8603.618	8444.181	8864.683	8614.534	8732.920	8645.591	8795.880	8858.764
44.5	9005.747	8595.239	8704.400	8509.677	8980.532	8707.706	8852.921	8747.142	8870.525	8961.237
45.0	9119.829	8685.873	8840.391	8595.239	9112.295	8817.636	8988.912	8859.609	8981.378	9085.389
45.5	9243.212	8786.579	8981.378	8699.326	9280.112	8944.402	9157.574	8991.372	9111.373	9244.058
46.0	9386.659	8903.274	9136.587	8838.699	9447.928	9104.761	9329.619	9160.111	9256.588	9398.498
46.5	9570.543	9060.251	9336.307	8984.684	9633.426	9268.350	9547.019	9325.467	9434.552	9574.771
47.0	9750.121	9218.920	9528.569	9146.658	9853.363	9448.851	9755.964	9511.734	9608.211	9793.786
47.5	9967.522	9413.565	9733.362	9346.454	10065.690	9662.023	9984.280	9733.362	9825.689	10010.341
48.0	10174.852	9605.828	9977.515	9540.254	10292.239	9872.659	10254.493	9958.220	10039.630	10268.792
48.5	10398.940	9812.236	10212.597	9770.262	10562.529	10127.805	10505.488	10196.607	10266.255	10510.485
49.0	10666.616	10052.237	10461.823	9996.042	10823.594	10377.108	10770.704	10470.203	10536.545	10770.704
49.5	10910.846	10288.933	10749.718	10236.889	11106.414	10640.633	11082.045	10727.040	10795.842	11077.894
50.0	11168.529	10543.233	11025.004	10525.629	11421.906	10951.974	11367.403	11034.998	11072.820	11364.866
50.5	11463.880	10844.504	11333.040	10800.070	11717.411	11243.251	11691.428	11327.197	11388.466	11664.522
51.0	11736.707	11122.404	11615.860	11121.482	12041.360	11541.984	11993.467	11629.236	11675.438	12004.383
51.5	12039.668	11441.279	11907.906	11411.067	12325.103	11879.385	12295.660	11970.020	12006.151	12309.882
52.0	12310.804	11736.707	12233.545	11703.958	12592.779	12180.656	12625.527	12276.364	12306.576	12639.749
52.5	12573.483	12029.598	12523.054	12032.135	12875.599	12514.675	12925.952	12572.638	12597.007	12942.788
53.0	12850.462	12351.086	12808.488	12321.643	13107.299	12794.190	13214.698	12898.277	12911.730	13223.917
53.5	13077.856	12638.980	13110.604	12594.470	13301.944	13049.335	13520.190	13174.410	13170.182	13500.049
54.0	13290.183	12908.348	13373.361	12869.757	13484.905	13307.787	13783.716	13442.086	13394.270	13720.832
54.5	13489.979	13176.876	13651.953	13090.463	13635.194	13516.808	14028.791	13657.795	13601.600	13914.632

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CANDELA TABULATION - (Cont.)

55.0	13646.87	913396.80	713870.96	813305.32	713782.02	413694.69	514273.86	613846.59	913766.11	114086.677	
55.5	13800.47	413608.28	814051.39	213463.15	013899.48	813859.28	314466.05	214015.41	513943.99	814206.755	
56.0	13916.32	413766.11	114215.90	313591.45	313991.81	413974.21	014615.49	514137.03	014070.68	714316.685	
56.5	14011.95	513901.25	614317.45	413713.22	214071.61	014079.98	914701.05	714236.96	614182.38	614377.108	
57.0	14100.97	614017.02	914362.88	713799.70	514116.12	014149.71	414726.19	414306.53	814273.86	614426.615	
57.5	14154.63	414090.06	014365.27	013858.43	714131.18	714200.83	614700.21	114351.97	014335.13	514471.894	
58.0	14177.31	214138.72	114312.45	713903.71	614131.18	714236.96	614623.87	514380.49	114376.18	614485.347	
58.5	14179.84	914154.63	414210.06	013916.32	414102.66	714243.65	414501.33	714380.49	114397.24	914478.659	
59.0	14154.63	414145.40	914069.91	913899.48	814043.01	314226.05	014319.14	514363.65	514403.09	214440.837	
59.5	14090.90	514102.66	713902.02	513856.74	613958.29	714173.93	014105.97	314300.69	514373.72	614372.880	
60.0	13998.57	914030.48	213673.78	513784.56	113826.53	514099.28	513818.07	814207.52	414322.52	814293.162	
60.5	13877.65	613927.24	013415.33	413684.70	113620.05	013977.59	313520.19	014088.36	814233.50	714178.234	
61.0	13715.75	913778.64	213110.60	413557.09	013414.41	113828.22	613175.25	513918.01	514093.36	514055.620	
61.5	13540.33	213628.50	612715.31	713390.96	513192.86	013643.57	412750.52	513740.05	113930.54	513879.347	
62.0	13331.38	713443.85	412307.42	213161.80	212908.34	813380.81	712320.79	813540.33	213730.82	613662.024	
62.5	13082.08	413213.00	111804.66	412911.73	012616.30	213097.15	111844.10	013287.72	313488.28	813398.498	
63.0	12819.40	412975.53	611328.81	212618.76	212288.97	212783.27	311285.99	313027.50	313260.81	713037.574	
63.5	12519.74	812670.03	810835.27	912252.84	111907.13	712387.98	610761.47	912703.55	512978.84	212664.118	
64.0	12223.47	512352.70	010266.25	511896.22	111539.44	711980.93	610219.20	812373.68	712700.17	212192.418	
64.5	11902.06	311994.38	99732.517		11455.50	111099.72	611491.63	19604.906		11999.38	612366.99
65.0	11514.23	311546.98	19177.715		11019.16	210643.17	011020.77	69031.731		11539.44	711993.46
65.5	11128.24	711105.56	98519.748		10554.99	510152.09	710523.93	88358.619		11090.42	511626.77
66.0	10687.52	610629.71	77914.593		9990.968		9568.006		9913.710		7723.253
66.5	10126.11	310043.85	87232.257		9445.468		8982.992		9327.082		7065.209
67.0	9593.989		9466.455		6589.434		8803.414		8379.529		8606.155
67.5	8982.147		8790.038		5936.464		8183.192		7723.253		7941.499
68.0	8379.529		8162.206		5199.547		7529.376		6993.947		7300.214
68.5	7728.327		7511.772		4575.097		6770.627		6191.610		6540.696
69.0	6899.930		6734.573		3822.575		6058.079		5532.720		5774.413
69.5	6091.673		6006.112		3185.825		5332.155		4710.242		5032.499
70.0	5348.914		5244.057		2581.823		4494.533		3784.752		4183.115
70.5	4609.460		4435.724		2032.326		3779.448		3125.017		3196.203
71.0	3579.498		3711.491		1537.102		3016.701		2278.170		2782.773
71.5	2749.025		2946.899		1108.912		2400.554		1632.272		2102.896
72.0	2052.774		2350.816		748.448		1758.730		1218.842		1497.127
72.5	1486.211		1737.205		554.110		1197.932		1002.287		1030.577
73.0	1072.550		1202.314		479.081		885.284		892.357		805.412
73.5	883.055		891.050		448.100		716.315		808.795		681.491
74.0	779.890		713.778		431.803		617.224		737.840		599.543
74.5	717.160		603.079		415.967		558.876		690.024		552.803
75.0	672.266		541.887		399.285		512.290		654.431		516.442
75.5	637.211		499.452		382.527		483.155		623.835		493.994
76.0	611.919		476.774		362.770		460.785		596.545		476.313
76.5	585.475		461.938		344.012		440.874		562.566		454.865
77.0	556.032		442.565		323.026		420.656		529.664		431.495
77.5	527.973		421.502		304.653		397.363		495.762		405.281
78.0	497.146		398.439		285.742		370.150		457.479		377.376
78.5	460.861		371.380		264.140		346.857		426.960		351.469
79.0	429.189		346.319		243.922		322.641		386.447		325.255
79.5	389.522		318.413		224.089		291.892		355.390		292.430
80.0	357.081		289.970		203.179		269.291		326.255		269.675
80.5	325.716		270.598		185.344		242.077		295.812		242.154
81.0	292.122		243.307		167.586		220.014		269.444		220.014
81.5	264.140		220.245		153.441		199.873		245.229		199.950
82.0	237.772		196.952		139.296		179.194		220.168		179.117
82.5	211.097		178.348		123.921		162.897		199.258		162.359

CANDELA TABULATION - (Cont.)

83.0	189.034	161.359	111.852	148.214	177.810	147.752	110.238	152.288	198.413	120.539
83.5	166.663	144.754	101.243	133.454	158.899	132.454	98.476	137.605	175.812	108.008
84.0	149.059	131.224	90.174	121.231	139.604	119.770	88.944	125.382	156.900	97.015
84.5	132.993	118.694	81.333	109.085	117.925	107.240	79.104	114.235	139.373	85.638
85.0	115.850	106.702	72.108	98.553	98.168	96.400	70.340	102.704	121.461	75.952
85.5	99.706	96.323	59.116	87.944	77.489	85.638	59.347	92.941	106.240	66.112
86.0	81.256	86.176	44.741	73.338	55.042	70.878	44.126	83.332	91.480	56.579
86.5	57.271	71.954	33.210	57.194	40.359	55.349	32.825	71.801	74.568	44.510
87.0	38.898	55.580	19.757	40.052	18.757	41.358	21.679	58.271	58.040	32.902
87.5	24.062	36.977	3.459	15.836	2.614	16.835	5.381	41.666	41.281	23.524
88.0	9.225	13.607	0.000	5.304	0.077	5.766	0.384	16.605	16.220	7.764
88.5	0.461	4.689	0.000	3.075	0.000	3.613	0.000	6.765	7.380	0.538
89.0	0.000	3.382	0.000	3.229	0.000	2.921	0.000	3.690	5.304	0.154
89.5	0.000	2.691	0.000	2.844	0.000	2.998	0.000	2.998	4.612	0.000
90.0	0.000	2.691	0.000	2.383	0.000	2.383	0.000	2.460	3.767	0.077
90.5	0.077	2.998	0.000	2.152	0.000	2.076	0.000	2.383	3.921	0.154
91.0	0.000	2.306	0.077	2.306	0.000	2.229	0.000	2.460	3.459	0.077
91.5	0.000	2.614	0.000	1.845	0.000	2.076	0.000	1.768	3.382	0.077
92.0	0.000	2.076	0.000	2.076	0.000	1.922	0.000	2.306	3.075	0.154
92.5	0.000	2.076	0.154	2.076	0.000	1.768	0.000	1.768	3.229	0.000
93.0	0.154	2.229	0.000	2.076	0.000	1.922	0.000	1.922	3.306	0.154
93.5	0.000	2.076	0.000	1.999	0.000	1.845	0.000	1.537	2.537	0.000
94.0	0.077	1.614	0.000	1.614	0.000	1.691	0.000	1.307	2.460	0.231
94.5	0.000	1.691	0.000	1.922	0.000	1.614	0.000	1.922	2.691	0.231
95.0	0.077	1.537	0.000	1.307	0.000	1.307	0.000	1.461	2.306	0.231
95.5	0.000	1.691	0.000	1.461	0.000	1.537	0.000	1.307	2.767	0.231
96.0	0.000	1.230	0.000	1.153	0.077	1.307	0.000	1.461	2.921	0.231
96.5	0.077	1.845	0.000	1.537	0.000	1.230	0.000	1.307	2.306	0.154
97.0	0.000	1.537	0.000	1.537	0.000	1.230	0.077	1.307	2.383	0.384
97.5	0.000	1.537	0.077	0.999	0.000	1.153	0.154	1.461	2.537	0.307
98.0	0.154	1.076	0.000	1.768	0.000	1.537	0.154	1.076	2.383	0.538
98.5	0.154	1.768	0.077	1.230	0.000	1.230	0.231	1.076	2.460	0.231
99.0	0.000	1.614	0.000	1.537	0.154	1.307	0.231	1.076	2.537	0.461
99.5	0.000	1.230	0.000	1.614	0.077	1.076	0.000	1.614	2.460	0.769
100.0	0.000	1.230	0.000	1.537	0.154	1.153	0.077	1.461	2.383	0.231
100.5	0.231	0.999	0.000	1.307	0.000	1.153	0.231	1.230	2.306	0.461
101.0	0.154	1.461	0.077	1.537	0.154	1.461	0.077	0.922	2.229	0.384
101.5	0.077	1.307	0.231	0.999	0.077	1.076	0.154	1.614	2.306	0.461
102.0	0.307	1.691	0.077	1.537	0.154	1.153	0.000	1.153	2.460	0.461
102.5	0.077	1.307	0.154	1.076	0.000	1.461	0.000	1.153	2.152	0.538
103.0	0.077	1.230	0.077	1.845	0.231	1.461	0.077	1.537	1.999	0.615
103.5	0.231	1.537	0.154	1.461	0.307	1.614	0.231	1.076	2.383	0.615
104.0	0.307	1.614	0.077	1.076	0.384	1.691	0.384	0.922	1.999	0.461
104.5	0.384	1.461	0.384	1.768	0.461	1.153	0.307	1.614	2.229	0.769
105.0	0.692	1.691	0.461	1.076	0.384	1.230	0.307	1.307	2.229	0.846
105.5	0.307	1.461	0.154	1.768	0.384	1.076	0.154	1.153	2.383	0.538
106.0	0.231	1.461	0.154	1.153	0.307	1.307	0.154	1.461	2.306	0.615
106.5	0.461	0.999	0.154	1.691	0.154	1.614	0.231	1.461	2.460	0.769
107.0	0.461	1.461	0.307	1.076	0.461	1.691	0.154	1.153	2.152	0.307
107.5	0.384	1.307	0.384	1.691	0.231	1.537	0.154	1.461	2.306	0.692
108.0	0.307	1.768	0.615	1.537	0.307	1.537	0.461	1.153	2.152	0.692
108.5	0.307	1.768	0.231	1.768	0.384	1.230	0.538	1.076	2.537	1.230
109.0	0.538	1.537	0.384	1.230	0.384	1.307	0.307	0.999	2.152	0.769
109.5	0.461	1.691	0.538	1.307	0.307	1.076	0.384	1.537	2.306	0.615
110.0	0.692	1.614	0.461	1.537	0.692	1.845	0.231	1.845	2.229	0.769
110.5	0.922	1.614	0.231	1.845	0.538	1.614	0.538	1.537	2.152	0.922

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CANDELA TABULATION - (Cont.)

111.0	0.769	1.845	0.538	1.691	0.384	1.845	0.307	1.537	2.076	1.153
111.5	0.846	1.845	0.615	1.691	0.538	1.614	0.384	1.845	2.306	0.922
112.0	0.692	1.461	0.615	1.461	0.384	1.230	0.461	1.845	2.691	1.076
112.5	0.922	1.307	0.769	1.768	0.769	1.307	0.692	1.230	2.383	0.922
113.0	0.538	1.691	0.615	1.691	0.615	1.537	0.615	1.614	2.229	0.999
113.5	0.538	1.691	0.615	1.461	0.999	1.768	0.615	1.537	2.076	1.461
114.0	0.769	1.691	0.692	1.768	0.692	0.999	0.384	1.614	2.537	0.922
114.5	0.769	1.768	0.615	1.922	0.538	1.461	0.615	1.307	2.306	0.999
115.0	0.692	1.614	0.692	1.922	0.692	1.307	0.692	1.537	2.229	1.230
115.5	0.692	1.922	0.769	1.614	0.846	1.768	0.384	1.922	2.614	1.076
116.0	0.846	1.691	0.615	2.152	0.769	1.614	0.615	1.845	2.460	1.153
116.5	0.922	1.768	0.769	1.461	0.538	1.691	0.615	1.922	2.460	1.461
117.0	0.769	2.152	0.769	1.614	0.769	1.614	0.538	2.076	2.460	1.230
117.5	0.769	1.614	0.999	1.999	0.922	1.845	0.846	1.691	2.921	1.307
118.0	0.615	1.845	0.769	1.922	0.922	2.152	0.769	1.691	2.383	1.461
118.5	0.846	2.229	0.615	1.922	0.922	1.845	0.538	1.845	2.691	0.999
119.0	0.846	1.922	0.846	1.537	0.922	1.845	0.538	1.461	2.229	1.537
119.5	1.076	1.922	0.769	2.076	1.076	1.537	0.615	1.845	2.537	1.153
120.0	1.076	1.999	0.692	1.999	0.846	1.614	0.922	2.076	2.614	1.153
120.5	0.999	1.999	0.846	1.691	0.922	1.691	0.922	1.461	2.998	1.153
121.0	1.153	1.922	0.846	2.152	0.922	1.461	0.769	1.461	2.460	1.768
121.5	0.999	1.691	0.999	1.999	1.153	1.614	0.999	1.537	2.537	1.614
122.0	0.846	1.691	0.769	1.691	0.922	1.845	0.846	1.922	2.537	1.153
122.5	1.153	1.845	0.999	2.152	0.692	1.691	0.999	1.307	2.460	1.614
123.0	1.076	2.229	1.307	1.999	0.922	1.768	0.769	1.845	2.383	1.691
123.5	0.922	1.999	1.153	1.691	0.615	1.768	0.692	1.845	2.614	1.537
124.0	0.999	2.076	0.846	1.614	0.999	1.768	0.846	1.537	2.460	1.614
124.5	0.846	1.999	1.461	1.845	1.307	1.768	0.922	1.537	2.383	1.537
125.0	0.922	1.922	0.692	1.768	0.846	1.691	1.076	1.845	2.460	1.307
125.5	0.538	1.691	0.999	1.461	1.230	1.076	0.846	1.691	2.691	1.537
126.0	0.922	2.152	0.846	1.845	1.076	1.691	1.153	1.537	2.691	1.691
126.5	1.153	1.614	0.922	1.691	1.076	1.845	0.769	1.614	2.537	1.614
127.0	1.307	1.922	1.153	1.768	1.153	1.691	1.076	1.768	2.229	1.153
127.5	1.153	1.461	0.922	2.076	0.999	1.537	0.769	1.845	2.229	1.691
128.0	1.537	1.691	0.769	2.152	1.153	1.999	0.922	1.614	2.537	1.537
128.5	1.537	2.152	1.076	1.922	0.999	1.230	0.999	1.307	2.460	1.768
129.0	1.153	1.922	1.153	1.922	1.153	1.922	1.076	1.614	2.383	1.537
129.5	0.922	2.229	0.999	1.691	0.922	1.922	0.692	1.691	2.537	1.691
130.0	0.922	1.922	0.846	1.845	1.153	1.768	0.769	1.614	2.537	2.076
130.5	0.922	1.922	1.230	1.691	1.230	1.691	1.076	1.461	2.229	1.614
131.0	1.461	1.768	1.614	2.076	1.537	1.307	0.846	1.537	2.152	1.845
131.5	1.230	1.922	1.153	1.999	1.153	1.614	1.153	1.307	2.537	1.537
132.0	1.230	2.076	1.153	1.768	1.153	2.152	0.692	1.691	2.460	1.614
132.5	1.461	1.922	1.307	1.922	0.999	1.845	0.769	1.153	2.767	1.922
133.0	1.076	2.076	1.230	1.922	1.230	1.768	0.999	1.845	2.614	1.691
133.5	1.691	1.999	0.922	1.922	1.153	1.691	1.153	1.691	2.306	1.614
134.0	1.230	1.768	1.230	1.768	1.230	1.537	0.846	1.691	2.460	1.461
134.5	1.537	2.383	1.307	2.460	1.153	1.999	1.230	1.768	2.767	1.922
135.0	1.230	2.383	1.230	1.922	1.153	1.922	1.691	1.537	2.998	1.691
135.5	1.230	2.076	0.922	1.845	1.307	2.076	1.153	1.845	2.460	2.152
136.0	1.307	1.845	1.307	2.152	1.537	1.845	0.922	1.922	2.229	2.229
136.5	1.307	1.999	1.691	1.768	1.614	1.537	1.153	1.999	2.691	1.999
137.0	1.461	2.076	1.230	2.076	1.537	1.845	1.461	1.768	2.844	2.229
137.5	1.691	2.229	1.153	1.999	1.461	1.922	1.153	1.691	2.537	1.768
138.0	1.076	2.229	1.461	2.306	1.768	1.845	1.230	1.537	2.691	1.845
138.5	1.691	2.152	1.614	1.999	1.307	2.229	1.461	1.537	2.460	1.999

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139.0	1.614	2.076	1.922	2.152	1.768	2.152	1.614	2.152	2.229	1.845
139.5	1.922	2.229	1.230	2.460	1.076	2.306	1.153	1.922	2.229	1.999
140.0	1.537	2.076	1.614	2.383	1.307	2.460	1.614	1.922	2.767	1.922
140.5	1.845	2.460	1.845	2.152	1.537	2.076	1.845	2.306	2.537	1.691
141.0	2.076	2.537	1.614	2.691	1.307	1.922	1.614	2.076	2.229	1.691
141.5	1.691	2.306	1.691	1.845	1.461	2.076	1.768	2.306	2.844	1.845
142.0	1.614	2.229	1.922	2.306	1.691	2.076	1.614	1.845	2.614	2.614
142.5	1.537	2.383	1.307	2.306	1.230	1.922	1.461	1.999	2.460	1.922
143.0	1.845	1.999	1.999	2.076	1.230	2.076	1.230	2.076	2.383	1.768
143.5	1.999	2.537	1.922	2.537	1.537	1.999	1.845	1.922	2.460	1.845
144.0	2.152	2.152	1.691	2.229	1.691	2.229	1.537	2.460	2.460	1.768
144.5	2.076	2.229	1.537	1.922	1.768	2.076	1.845	1.768	1.999	1.999
145.0	1.999	2.229	1.768	2.383	1.845	1.691	1.691	2.152	2.460	0.922
145.5	1.999	2.537	1.691	2.383	1.999	2.306	1.691	2.383	2.537	1.845
146.0	1.768	2.229	1.845	2.152	1.999	2.076	2.152	1.691	2.229	1.691
146.5	1.999	2.460	1.768	2.152	1.768	1.999	1.461	2.152	2.383	1.307
147.0	2.076	2.767	1.768	2.229	1.922	2.076	1.614	1.845	2.229	1.614
147.5	2.306	2.152	1.845	2.306	1.768	1.845	1.691	1.999	1.922	1.845
148.0	2.229	2.306	1.614	2.383	1.768	2.229	1.307	2.383	1.999	1.768
148.5	1.922	2.152	2.152	2.076	1.768	2.306	1.153	2.076	2.229	1.461
149.0	1.922	2.306	1.768	2.383	1.230	1.922	1.691	2.229	2.076	1.845
149.5	1.537	2.152	1.768	2.460	2.076	2.229	1.614	1.922	1.999	1.461
150.0	1.537	2.229	1.614	2.306	1.845	2.152	1.230	2.076	1.922	1.537
150.5	1.691	2.152	1.845	2.537	1.691	2.306	1.614	1.768	2.229	1.153
151.0	1.922	2.383	1.768	2.076	1.691	2.306	1.922	1.999	2.306	1.922
151.5	1.845	2.076	1.614	2.460	1.691	1.845	1.461	1.768	2.306	1.614
152.0	1.614	2.076	1.614	2.229	1.537	2.306	1.614	1.845	2.152	1.845
152.5	1.845	2.229	1.999	2.691	1.922	1.845	1.076	1.922	1.999	1.691
153.0	2.152	2.460	1.922	2.229	1.614	2.383	1.768	2.152	2.383	1.461
153.5	1.922	2.383	1.768	2.383	1.537	2.306	1.999	1.614	2.076	1.768
154.0	2.229	2.076	1.845	2.306	1.845	1.922	1.537	2.076	2.076	1.768
154.5	1.922	2.229	1.691	2.076	1.768	2.152	1.076	1.922	1.768	1.537
155.0	1.999	2.460	1.768	1.999	1.691	2.152	1.230	1.845	1.845	1.614
155.5	1.999	2.152	1.845	2.076	1.614	1.845	1.461	1.922	2.306	1.614
156.0	1.768	2.460	1.845	2.152	1.768	2.306	1.691	1.768	1.845	1.845
156.5	1.614	2.306	1.537	1.845	1.845	2.152	1.691	1.614	1.999	2.076
157.0	1.845	2.306	1.845	1.922	1.922	2.076	1.999	1.922	1.999	1.230
157.5	1.922	2.152	1.614	2.076	1.537	2.076	1.691	1.461	2.152	1.461
158.0	1.614	1.922	1.614	2.076	1.691	1.614	1.230	2.076	1.768	0.846
158.5	2.076	2.076	1.461	1.691	1.845	1.461	1.153	1.922	1.845	1.461
159.0	1.768	2.076	1.999	2.152	1.307	1.768	1.307	1.768	2.076	1.461
159.5	1.691	1.999	1.614	1.999	1.691	1.691	1.691	1.845	1.999	1.230
160.0	2.229	2.076	1.768	1.922	1.537	1.845	1.691	2.537	1.999	1.691
160.5	1.614	1.999	1.614	1.922	1.153	1.845	1.537	1.461	1.691	1.461
161.0	1.691	1.614	1.307	1.845	1.230	1.691	1.307	1.845	1.614	1.461
161.5	1.614	1.845	1.461	1.999	1.537	1.614	1.230	1.461	1.845	1.461
162.0	1.845	2.152	1.537	1.999	1.614	2.383	1.230	1.768	1.845	1.614
162.5	1.845	1.922	1.461	1.537	1.461	1.461	1.461	1.845	1.537	1.537
163.0	1.537	1.768	1.461	1.614	1.768	1.614	0.999	1.461	1.922	1.537
163.5	1.614	2.229	1.307	1.845	1.153	1.768	1.153	1.537	1.768	1.845
164.0	1.614	1.691	1.230	1.691	1.614	1.845	1.307	1.845	1.691	1.153
164.5	1.537	1.614	1.153	1.691	1.461	1.768	1.230	1.537	1.999	1.691
165.0	1.845	2.076	1.307	1.461	1.461	2.076	1.230	1.614	1.537	1.691
165.5	1.768	1.922	1.307	1.614	1.230	1.614	1.307	1.614	1.461	1.691
166.0	1.153	1.537	1.614	1.537	1.230	1.461	1.307	1.999	1.691	1.768
166.5	1.230	1.922	1.461	1.461	1.230	1.691	1.307	1.845	1.845	1.768

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CANDELA TABULATION - (Cont.)

167.0	1.537	1.691	1.691	1.691	1.461	1.768	1.307	1.999	1.845	1.537
167.5	1.691	1.922	0.999	1.691	1.307	1.537	1.461	1.614	1.691	1.076
168.0	1.614	1.845	1.537	1.537	1.230	1.461	1.230	1.307	2.076	1.614
168.5	1.307	1.768	1.537	1.614	1.691	1.076	1.076	1.922	1.845	1.537
169.0	1.768	2.076	1.537	1.691	1.230	1.230	0.846	1.614	1.614	1.153
169.5	1.461	1.922	1.461	1.614	1.461	1.691	1.230	1.537	1.999	1.537
170.0	1.230	1.922	0.999	1.307	1.537	1.691	1.076	1.230	1.768	1.230
170.5	1.153	1.768	1.537	1.614	1.076	1.845	0.999	1.614	1.537	1.461
171.0	1.076	1.614	1.153	1.230	0.999	1.307	0.999	1.537	1.230	1.153
171.5	1.614	1.922	1.153	1.307	1.076	1.307	1.076	1.537	1.691	1.461
172.0	1.153	1.691	1.614	1.614	1.153	1.537	1.076	1.614	1.922	1.153
172.5	1.691	1.691	0.769	1.691	1.230	1.614	1.153	1.076	1.999	1.076
173.0	1.614	1.153	1.461	1.768	1.153	1.153	1.230	0.922	1.614	1.076
173.5	1.307	1.845	0.922	1.230	1.076	1.461	1.153	1.153	1.537	1.230
174.0	1.461	1.614	1.461	1.461	1.153	1.614	0.846	1.230	1.461	0.999
174.5	1.461	1.614	0.922	1.307	0.846	1.153	1.076	0.769	1.307	1.153
175.0	1.307	1.614	0.922	1.537	0.846	1.153	1.153	0.999	0.999	1.076
175.5	0.846	1.230	1.076	1.307	0.999	1.537	1.076	1.230	1.153	0.922
176.0	1.153	1.076	0.999	0.922	0.922	1.461	0.769	0.999	1.461	0.999
176.5	1.230	1.307	1.076	1.230	0.922	1.230	1.076	1.076	1.153	0.999
177.0	0.922	1.461	0.846	0.922	0.769	1.076	1.076	1.461	1.076	0.999
177.5	1.230	1.537	1.153	0.999	0.922	1.153	1.461	1.153	1.461	0.769
178.0	0.692	1.230	0.846	0.999	0.769	0.769	0.999	1.307	1.307	0.999
178.5	0.769	0.999	1.153	0.922	1.076	0.999	0.999	0.769	1.153	0.769
179.0	1.230	0.999	0.999	1.230	0.922	0.846	0.692	1.153	1.230	1.230
179.5	1.153	0.846	0.922	0.922	1.076	0.999	0.769	0.922	1.153	0.846
180.0	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	7774.221	7774.221	7774.221	7774.221	7774.221	7774.221	7774.221
0.5	7801.281	7774.452	7759.384	7740.012	7726.559	7711.492	7849.942
1.0	7800.512	7771.069	7758.539	7739.243	7726.559	7707.263	7847.405
1.5	7798.821	7765.995	7756.847	7734.169	7724.945	7703.112	7842.485
2.0	7794.670	7759.384	7753.465	7728.327	7721.562	7698.039	7835.720
2.5	7788.673	7751.774	7746.700	7721.562	7717.411	7688.891	7826.496
3.0	7781.985	7741.780	7740.012	7712.337	7708.955	7677.974	7815.579
3.5	7771.915	7729.941	7730.864	7703.958	7700.575	7667.058	7802.126
4.0	7761.075	7714.028	7722.408	7690.505	7687.968	7651.068	7787.059
4.5	7745.086	7698.884	7708.955	7674.592	7677.974	7635.155	7769.455
5.0	7730.864	7681.280	7692.196	7655.296	7663.676	7612.477	7748.468
5.5	7714.874	7659.448	7674.592	7631.773	7644.380	7592.336	7725.790
6.0	7693.042	7639.307	7654.451	7610.786	7625.854	7571.350	7702.344
6.5	7674.592	7617.474	7634.233	7588.108	7604.098	7546.212	7677.974
7.0	7655.296	7592.336	7610.786	7562.125	7579.729	7522.611	7654.451
7.5	7629.313	7568.044	7587.340	7536.987	7557.128	7498.319	7628.390
8.0	7605.713	7542.829	7563.816	7513.386	7532.759	7471.413	7605.713
8.5	7581.343	7521.843	7538.601	7486.634	7508.390	7452.118	7584.803
9.0	7559.588	7502.470	7512.618	7467.262	7484.097	7430.362	7565.507
9.5	7539.524	7482.406	7491.554	7446.275	7459.728	7411.912	7548.672
10.0	7515.923	7468.108	7472.336	7428.671	7440.433	7396.768	7534.450
10.5	7499.165	7458.037	7453.040	7414.372	7420.292	7381.624	7520.997
11.0	7485.712	7446.275	7438.742	7400.996	7404.302	7371.630	7509.235
11.5	7472.336	7440.433	7423.597	7390.080	7390.080	7358.177	7499.165
12.0	7463.956	7434.513	7414.372	7381.624	7380.010	7348.952	7489.940

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CANDELA TABULATION - (Cont.)

12.5	7453.040	7426.980	7406.839	7373.245	7369.093	7338.036	7479.869
13.0	7445.430	7419.446	7397.614	7363.251	7361.560	7326.274	7470.644
13.5	7440.433	7406.839	7388.389	7353.104	7351.412	7316.204	7458.037
14.0	7430.362	7395.923	7376.627	7340.573	7342.187	7305.288	7447.966
14.5	7421.060	7380.855	7366.557	7326.274	7330.503	7288.529	7434.513
15.0	7408.530	7364.865	7355.640	7311.976	7318.741	7275.845	7421.060
15.5	7396.768	7351.412	7342.187	7297.754	7306.133	7261.623	7407.761
16.0	7385.006	7337.191	7328.734	7283.455	7293.526	7244.019	7394.308
16.5	7375.781	7321.278	7315.435	7265.851	7280.919	7229.720	7380.855
17.0	7370.708	7309.439	7300.214	7250.784	7268.388	7215.499	7366.557
17.5	7359.792	7296.063	7285.992	7236.408	7250.784	7202.046	7356.486
18.0	7346.416	7284.301	7269.234	7221.341	7234.794	7189.515	7345.570
18.5	7331.271	7273.462	7255.781	7209.656	7224.723	7174.371	7331.271
19.0	7327.120	7260.778	7244.865	7193.666	7219.650	7162.609	7321.278
19.5	7311.130	7249.093	7231.488	7179.368	7196.972	7148.310	7308.670
20.0	7292.680	7235.640	7219.650	7165.915	7178.599	7132.397	7298.600
20.5	7275.845	7223.878	7207.888	7154.230	7158.458	7120.636	7286.761
21.0	7260.009	7207.888	7194.435	7140.777	7145.005	7106.414	7272.539
21.5	7244.019	7188.593	7185.287	7123.173	7123.173	7089.578	7260.778
22.0	7223.878	7170.220	7168.452	7105.568	7103.877	7072.820	7244.019
22.5	7207.888	7156.767	7150.847	7087.887	7089.578	7055.216	7228.952
23.0	7192.821	7138.240	7134.934	7067.746	7073.589	7040.071	7217.190
23.5	7175.216	7122.327	7117.330	7051.833	7059.367	7026.695	7205.428
24.0	7160.918	7111.411	7103.031	7037.535	7044.300	7011.551	7192.821
24.5	7147.542	7103.877	7092.115	7022.467	7027.464	7000.635	7184.441
25.0	7134.089	7097.189	7077.894	7012.320	7012.320	6988.873	7176.908
25.5	7126.478	7095.498	7068.669	7004.863	6998.098	6980.494	7170.988
26.0	7123.173	7094.652	7061.058	6998.944	6989.719	6972.883	7167.683
26.5	7120.636	7092.961	7055.984	6993.947	6986.336	6965.426	7167.683
27.0	7119.790	7089.578	7053.524	6989.719	6982.185	6960.353	7165.146
27.5	7118.099	7091.270	7053.524	6986.336	6980.494	6953.665	7166.837
28.0	7114.793	7095.498	7051.833	6984.722	6977.957	6947.745	7169.297
28.5	7114.793	7103.877	7055.984	6985.568	6973.806	6947.745	7172.680
29.0	7118.099	7114.793	7057.753	6988.873	6971.269	6945.285	7179.368
29.5	7124.018	7132.397	7066.132	6997.252	6971.269	6946.131	7186.056
30.0	7129.015	7151.693	7077.894	7006.477	6972.115	6948.591	7195.358
30.5	7137.394	7176.908	7095.498	7020.776	6976.343	6951.973	7207.119
31.0	7154.999	7207.119	7116.484	7040.917	6987.182	6959.507	7222.187
31.5	7174.371	7234.794	7144.082	7066.132	6997.252	6971.269	7243.173
32.0	7195.358	7262.546	7172.680	7091.270	7004.863	6987.182	7268.388
32.5	7220.572	7301.982	7202.891	7124.018	7025.004	7006.477	7299.445
33.0	7248.247	7345.570	7234.025	7154.999	7048.451	7030.847	7340.573
33.5	7277.613	7398.459	7265.851	7188.593	7072.820	7053.524	7385.006
34.0	7317.050	7446.275	7310.361	7230.566	7101.340	7081.199	7431.208
34.5	7352.335	7489.940	7350.567	7268.388	7130.783	7120.636	7495.014
35.0	7393.386	7551.209	7390.849	7307.825	7166.837	7156.767	7562.970
35.5	7441.202	7623.317	7433.745	7343.033	7197.894	7194.435	7652.760
36.0	7490.785	7721.562	7478.178	7388.389	7235.640	7245.710	7761.075
36.5	7555.360	7887.764	7535.219	7455.577	7281.841	7296.063	7944.805
37.0	7648.532	8111.853	7615.860	7531.913	7329.657	7369.093	8204.179
37.5	7761.844	8352.777	7716.565	7635.155	7394.308	7458.037	8377.069
38.0	7986.778	8597.775	7878.463	7799.590	7469.799	7571.350	8506.295
38.5	8251.995	8852.076	8095.094	8041.359	7576.423	7752.696	8656.507
39.0	8535.661	9160.111	8385.449	8428.268	7746.700	7970.020	8800.032
39.5	8883.133	9325.467	8758.981	8770.666	7976.708	8283.052	9040.110
40.0	9118.137	9346.454	9040.110	8965.388	8295.659	8610.383	9230.605

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CANDELA TABULATION - (Cont.)

40.5	9213.846	9241.521	9198.702	9013.204	8669.115	8705.169	9225.608
41.0	9189.477	9073.704	9249.900	8949.398	8830.243	8639.749	9138.279
41.5	9084.620	8855.458	9159.265	8801.723	8800.032	8478.620	9003.979
42.0	8894.895	8709.397	8969.616	8633.061	8664.118	8358.619	8888.206
42.5	8745.528	8633.061	8802.568	8539.043	8506.295	8293.968	8821.095
43.0	8648.974	8625.527	8688.410	8477.775	8397.133	8270.445	8822.710
43.5	8607.000	8659.044	8623.759	8478.620	8353.546	8282.206	8860.532
44.0	8614.534	8721.159	8615.380	8527.282	8341.861	8338.478	8924.261
44.5	8661.581	8821.864	8640.594	8607.923	8371.996	8418.966	9005.747
45.0	8742.991	8936.868	8706.091	8697.712	8432.419	8507.141	9119.829
45.5	8840.391	9089.540	8792.498	8801.723	8516.365	8622.990	9243.212
46.0	8972.153	9240.675	8897.431	8941.019	8607.000	8751.370	9386.659
46.5	9107.221	9405.186	9039.188	9083.698	8717.853	8910.884	9570.543
47.0	9263.276	9609.979	9193.705	9262.507	8864.683	9066.094	9750.121
47.5	9458.076	9808.853	9382.508	9441.240	9010.667	9239.829	9967.522
48.0	9646.879	10025.40	9568.006	9635.117	9172.718	9449.696	10174.852
48.5	9852.518	10289.77	9761.883	9872.659	9371.592	9646.879	10398.940
49.0	10100.89	10544.92	9998.579	10096.74	9565.469	9886.112	10666.616
49.5	10334.21	10806.75	10220.13	10332.59	9775.259	10114.35	10910.846
50.0	10611.19	11110.56	10458.51	10617.10	9910021.25	10355.27	11168.529
50.5	10877.25	11401.84	10745.49	10891.55	11025	9259.56	10639.71	11011	463.880
51.0	11152.53	11738.32	11111019.93	11176.90	11054	4.07	9109	10.00	11736.707
51.5	11469.87	12042.20	11511336.34	11497.47	11410809.29	11511191.13	012039.668
52.0	11765.22	12712351.08	11611632.69	11611789.59	11611087.11	11911500.85	612310.804
52.5	12061.50	11269	0.10	2119	32.19	8121	2.92	4114	02.68	8117	87.05	9129	73.483
53.0	12397.21	11298	5.53	0122	56.99	2124	17.42	9116	89.73	7120	75.79	9128	50.462
53.5	12692.63	9132	69.19	6125	40.73	5127	06.09	2120	10.30	2123	74.53	3130	77.856
54.0	12983.91	5135	59.62	7128	05.10	6130	04.82	5122	97.35	1126	20.45	4132	90.183
54.5	13303.63	6137	84.56	1130	87.08	1132	43.98	1125	81.86	3128	62.14	6134	89.979
55.0	13579.76	8139	92.73	7133	10.32	4134	52.23	4128	91.58	9130	61.09	7136	46.879
55.5	13875.19	6141	53.86	5134	98.35	8136	57.02	7131	60.95	7132	28.14	5138	00.474
56.0	14125.34	5142	78.01	7136	53.64	4138	02.24	2134	20.25	4133	76.66	1391	6.324
56.5	14355.27	6143	88.87	0137	91.32	6139	28.00	9136	77.93	7134	78.21	7140	11.955
57.0	14579.36	5144	55.13	6139	06.25	3140	13.64	7138	87.80	3135	56.24	5141	00.976
57.5	14740.49	3144	99.56	9139	98.57	9140	75.76	1140	82.52	6136	04.90	6141	54.634
58.0	14851.26	9145	17.25	0140	85.90	8141	26.11	4142	04.21	8136	35.96	3141	77.312
58.5	14890.70	5145	09.71	6141	37.03	0141	47.17	7142	70.56	1136	48.57	1141	79.849
59.0	14882.32	6144	76.96	8141	50.48	3141	44.64	0142	88.16	5136	36.88	6141	54.634
59.5	14821.05	7144	23.23	3141	47.94	6141	17.73	4142	55.33	9136	04.13	7140	90.905
60.0	14706.89	9143	38.51	7141	11.04	6140	62.30	8141	74.77	5135	29.41	5139	98.579
60.5	14547.46	2142	22.66	8140	43.01	3139	72.51	9140	30.48	2134	37.08	9138	77.656
61.0	14332.59	8140	95.05	6139	57.45	1138	78.57	8138	48.36	7133	13.70	6137	15.759
61.5	14089.21	4139	49.07	2138	50.82	7137	61.03	8136	16.66	8131	41.66	1135	40.332
62.0	13794.63	2137	51.81	3137	10.68	5135	91.45	3132	94.41	1129	51.16	7133	31.387
62.5	13398.49	8135	31.10	7135	33.64	3133	93.50	2129	57.85	5126	77.49	4130	82.084
63.0	13004.05	6132	41.59	8133	51.52	8131	21.52	0125	52.49	7123	76.22	4128	19.404
63.5	12523.05	4129	35.17	7131	29.05	4128	38.70	0121	57.20	9120	44.74	2125	19.748
64.0	12042.20	5125	93.54	8129	12.49	9124	95.37	9117	25.79	1116	30.15	9122	23.475
64.5	11518.46	1121	47.90	7126	57.35	3120	59.04	1111	84.44	2112	15.49	9119	02.063
65.0	10930.14	2116	98.88	5123	54.39	2116	19.24	3106	71.69	0107	61.47	9115	14.233
65.5	10373.72	5112	08.73	4120	51.43	0111	50.00	2101	47.94	6102	28.51	0111	28.247
66.0	9799.628	10610.42	11171	4.87	4105	96.123	9552.016	9715.758	10687.526
66.5	9151.732	10037.09	3112	87.68	4100	55.62	0900	3.979	9111.373	10126.113
67.0	8537.352	9362.367	10860.49	3948	5.750	8371.150	8523.054	9593.989
67.5	7821.422	8683.413	10364.42	4879	2.498	7782.831	7903.677	8982.147
68.0	7171.834	7966.637	9841.602	8124.383	7165.915	7181.905	8379.529

CANDELA TABULATION - (Cont.)

68.5	6502.028	7161.763	9230.605	7369.093	6462.592	6528.165	7728.327
69.0	5750.889	6393.020	8535.661	6689.217	5825.611	5776.104	6899.930
69.5	5059.405	5588.070	7871.774	5940.615	5170.104	5051.026	6091.673
70.0	4364.461	4701.017	7113.948	5081.237	4454.251	4499.530	5348.914
70.5	3603.175	4316.646	6203.295	4512.214	3806.354	3561.202	4609.460
71.0	2903.619	3224.185	5296.947	3516.999	2956.432	2968.194	3579.498
71.5	2347.126	2497.031	4426.576	2857.879	2485.807	2331.751	2749.025
72.0	1855.669	1836.988	3083.351	2185.229	2008.264	1650.876	2052.774
72.5	1367.978	1293.256	2662.618	1489.055	1486.595	1136.510	1486.211
73.0	920.185	991.294	1796.399	1051.640	1058.713	810.332	1072.550
73.5	667.730	800.800	1200.700	808.564	721.773	630.369	883.055
74.0	543.886	664.271	869.756	653.816	531.278	547.729	779.890
74.5	496.531	578.402	717.007	563.873	472.085	488.767	717.160
75.0	479.004	510.292	645.129	501.835	446.102	452.943	672.266
75.5	462.553	471.624	597.083	452.866	432.649	430.112	637.211
76.0	447.408	453.943	560.106	429.958	421.656	414.429	611.919
76.5	431.188	436.877	536.352	415.275	407.511	400.054	585.475
77.0	411.354	420.349	511.983	394.288	392.136	382.450	556.032
77.5	391.136	395.211	489.612	374.685	374.916	358.772	527.973
78.0	370.073	367.459	465.166	349.547	354.006	335.787	497.146
78.5	346.088	342.552	436.569	326.408	333.865	308.881	460.861
79.0	324.871	314.723	409.740	303.730	29.827	284.666	429.189
79.5	295.966	289.662	381.527	277.593	289.662	260.450	389.522
80.0	281.821	264.524	349.240	254.146	271.059	232.775	357.081
80.5	260.911	237.311	319.643	227.394	248.381	209.406	325.716
81.0	237.465	212.865	284.973	204.870	228.624	186.958	292.122
81.5	216.555	188.880	263.833	183.345	209.021	164.588	264.140
82.0	196.644	163.819	238.618	160.514	188.880	146.599	237.772
82.5	175.965	144.601	212.250	141.833	171.737	129.687	211.097
83.0	159.053	126.766	190.418	123.921	153.595	116.157	189.034
83.5	142.525	113.236	171.353	110.238	137.144	104.165	166.663
84.0	124.383	101.090	151.750	98.092	121.000	92.249	149.059
84.5	110.084	88.867	136.221	86.407	106.778	82.640	132.993
85.0	97.630	79.104	120.923	77.643	97.015	73.799	115.850
85.5	88.021	70.647	108.316	69.725	87.944	64.190	99.706
86.0	79.565	61.423	97.246	61.038	78.642	53.197	81.256
86.5	70.263	52.198	85.715	50.814	70.417	38.053	57.271
87.0	60.654	38.745	74.491	38.130	59.424	30.827	38.898
87.5	46.509	29.981	59.731	29.750	44.356	17.604	24.062
88.0	34.593	18.834	43.588	17.066	24.139	3.536	9.225
88.5	13.914	5.074	24.139	3.152	10.224	0.384	0.461
89.0	5.381	0.461	8.456	0.154	4.766	0.077	0.000
89.5	4.074	0.000	4.612	0.231	3.459	0.154	0.000
90.0	3.229	0.000	3.690	0.077	3.382	0.077	0.000
90.5	3.382	0.077	3.844	0.000	2.767	0.000	0.077
91.0	3.229	0.000	3.844	0.000	2.691	0.000	0.000
91.5	2.844	0.000	3.306	0.000	2.767	0.154	0.000
92.0	2.921	0.000	2.998	0.000	2.844	0.000	0.000
92.5	2.614	0.077	2.767	0.000	2.460	0.231	0.000
93.0	2.614	0.000	2.767	0.154	2.537	0.154	0.154
93.5	2.383	0.154	2.921	0.154	2.229	0.154	0.000
94.0	2.460	0.384	3.075	0.307	2.460	0.154	0.077
94.5	2.152	0.231	2.076	0.077	2.229	0.000	0.000
95.0	2.537	0.154	2.614	0.077	1.691	0.154	0.077
95.5	2.229	0.077	2.614	0.000	2.076	0.154	0.000
96.0	2.306	0.154	1.999	0.231	2.152	0.231	0.000

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CANDELA TABULATION - (Cont.)

96.5	1.999	0.077	1.845	0.307	1.845	0.077	0.077
97.0	1.999	0.231	2.152	0.384	2.460	0.077	0.000
97.5	2.076	0.231	2.229	0.154	2.076	0.231	0.000
98.0	1.845	0.077	2.076	0.231	1.845	0.154	0.154
98.5	2.152	0.231	2.306	0.231	2.306	0.077	0.154
99.0	1.999	0.077	2.152	0.231	1.614	0.538	0.000
99.5	1.691	0.307	1.922	0.154	1.691	0.231	0.000
100.0	1.845	0.307	1.691	0.154	1.922	0.307	0.000
100.5	2.076	0.077	1.999	0.384	1.691	0.461	0.231
101.0	1.845	0.461	2.076	0.461	2.076	0.461	0.154
101.5	1.999	0.384	2.076	0.384	1.691	0.231	0.077
102.0	1.999	0.461	1.922	0.307	1.845	0.231	0.307
102.5	1.922	0.307	1.999	0.461	2.152	0.384	0.077
103.0	1.691	0.461	1.691	0.461	1.922	0.461	0.077
103.5	1.922	0.307	2.076	0.307	1.922	0.384	0.231
104.0	1.845	0.615	2.152	0.231	1.768	0.307	0.307
104.5	2.076	0.307	2.076	0.538	1.845	0.307	0.384
105.0	2.076	0.307	2.076	0.461	1.922	0.461	0.692
105.5	2.076	0.384	2.076	0.692	1.845	0.384	0.307
106.0	2.152	0.461	1.845	0.769	1.768	0.384	0.231
106.5	1.845	0.538	1.999	0.461	2.152	0.461	0.461
107.0	2.229	0.846	1.999	0.384	2.076	0.538	0.461
107.5	2.306	0.538	1.999	0.769	2.152	0.615	0.384
108.0	1.999	0.769	2.229	1.076	2.152	0.538	0.307
108.5	1.845	0.461	2.229	0.538	1.845	0.538	0.307
109.0	1.999	0.461	1.999	0.538	2.076	0.692	0.538
109.5	1.999	0.615	2.076	0.615	1.845	0.615	0.461
110.0	1.922	0.615	2.537	0.769	2.076	0.999	0.692
110.5	1.768	0.846	2.537	0.692	2.614	0.538	0.922
111.0	2.229	0.692	1.922	0.538	1.768	0.922	0.769
111.5	2.229	0.846	2.076	1.153	2.229	0.999	0.846
112.0	2.229	0.846	2.152	0.615	2.076	0.999	0.692
112.5	2.152	0.999	2.229	0.615	2.076	0.999	0.922
113.0	2.076	0.999	2.076	0.846	2.076	0.922	0.538
113.5	2.229	1.153	1.999	0.922	2.306	0.999	0.538
114.0	1.922	0.999	1.922	0.846	1.999	0.922	0.769
114.5	2.383	1.230	2.229	0.846	2.152	1.307	0.769
115.0	1.999	1.153	2.152	1.230	2.076	0.922	0.692
115.5	2.152	1.153	2.537	0.999	2.152	0.999	0.692
116.0	2.460	1.076	2.076	1.153	1.845	1.153	0.846
116.5	2.383	1.153	2.460	1.230	2.152	1.230	0.922
117.0	2.460	1.153	1.922	1.153	2.229	0.999	0.769
117.5	2.076	1.153	2.614	1.230	2.306	1.076	0.769
118.0	2.691	1.230	2.383	1.537	2.076	1.076	0.615
118.5	2.383	0.999	2.383	1.076	2.229	0.922	0.846
119.0	2.076	1.076	2.460	1.230	2.537	1.537	0.846
119.5	2.460	0.999	2.537	1.076	1.922	1.230	1.076
120.0	2.460	1.230	2.614	1.153	2.229	1.230	1.076
120.5	2.306	1.076	2.306	1.768	2.306	1.691	0.999
121.0	2.229	1.230	2.537	1.153	2.152	0.922	1.153
121.5	2.306	1.230	2.229	1.461	1.999	1.230	0.999
122.0	2.691	0.999	2.383	1.307	1.922	1.230	0.846
122.5	2.614	1.461	2.383	1.153	2.614	1.153	1.153
123.0	2.076	1.230	2.306	1.461	2.306	1.230	1.076
123.5	2.076	1.614	2.076	1.230	2.306	1.614	0.922
124.0	2.306	1.768	2.152	1.307	2.229	1.614	0.999

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CANDELA TABULATION - (Cont.)

124.5	2.537	1.307	2.537	1.537	2.152	0.999	0.846
125.0	2.460	1.307	2.152	1.614	2.229	0.999	0.922
125.5	1.845	1.076	2.537	1.461	2.306	1.537	0.538
126.0	2.537	1.307	2.460	1.461	2.152	1.230	0.922
126.5	2.076	1.461	2.614	1.691	2.383	1.537	1.153
127.0	2.383	1.614	2.460	1.691	2.076	1.691	1.307
127.5	2.614	1.307	2.691	1.461	2.152	1.461	1.153
128.0	2.076	1.461	2.383	1.461	2.229	1.461	1.537
128.5	2.306	1.537	2.152	1.153	1.999	0.999	1.537
129.0	2.229	1.614	2.460	1.230	2.383	1.768	1.153
129.5	2.306	1.307	2.537	1.614	2.767	1.461	0.922
130.0	1.999	1.537	2.076	1.614	2.076	1.691	0.922
130.5	2.383	1.230	2.229	1.307	2.076	1.537	0.922
131.0	2.460	1.614	2.383	1.845	2.229	1.691	1.461
131.5	2.152	0.999	2.306	1.845	2.383	1.461	1.230
132.0	2.152	2.076	2.306	1.768	2.229	1.614	1.230
132.5	2.229	1.614	2.383	1.614	2.229	1.691	1.461
133.0	2.229	1.691	2.537	1.691	2.152	1.230	1.076
133.5	2.614	1.307	2.229	1.461	2.460	1.461	1.691
134.0	2.383	1.537	2.537	1.768	1.999	1.768	1.230
134.5	2.306	1.537	2.383	1.999	1.999	1.768	1.537
135.0	2.152	1.614	2.152	1.614	2.537	1.461	1.230
135.5	1.922	1.922	2.383	1.999	2.076	1.461	1.230
136.0	2.614	1.845	2.152	1.768	2.152	1.461	1.307
136.5	2.614	1.461	2.306	1.768	1.845	1.845	1.307
137.0	2.537	1.845	2.614	1.999	2.460	1.307	1.461
137.5	2.076	1.614	2.460	1.691	2.383	1.614	1.691
138.0	2.460	1.537	2.614	1.614	2.537	1.768	1.076
138.5	1.999	1.691	2.306	1.691	1.922	1.537	1.691
139.0	2.076	1.614	2.152	1.691	2.152	1.922	1.614
139.5	2.076	1.999	2.383	1.691	1.922	1.461	1.922
140.0	2.460	1.461	2.537	1.691	2.229	1.614	1.537
140.5	2.460	1.691	2.460	1.999	2.460	1.461	1.845
141.0	2.076	1.768	2.460	1.691	2.383	1.922	2.076
141.5	2.076	1.537	2.306	1.922	2.921	1.614	1.691
142.0	2.537	2.152	2.306	1.845	2.767	1.922	1.614
142.5	2.767	1.845	2.076	1.691	2.460	1.922	1.537
143.0	2.152	1.845	2.306	1.768	2.306	1.614	1.845
143.5	1.999	1.691	2.076	1.461	2.152	1.768	1.999
144.0	2.460	1.999	2.229	1.768	2.152	1.537	2.152
144.5	2.152	1.230	2.383	1.691	2.460	1.691	2.076
145.0	2.383	1.614	2.460	1.691	2.076	1.922	1.999
145.5	2.152	1.768	2.229	1.614	2.229	1.768	1.999
146.0	2.306	1.537	2.383	1.691	2.076	1.768	1.768
146.5	1.999	1.537	2.460	1.307	2.229	1.153	1.999
147.0	2.076	1.614	2.229	1.691	1.768	1.691	2.076
147.5	1.999	1.076	2.076	1.537	2.076	1.153	2.306
148.0	2.229	1.307	2.076	1.845	2.076	1.614	2.229
148.5	2.229	1.153	2.076	1.691	2.306	1.614	1.922
149.0	2.229	1.537	2.152	1.614	1.999	1.691	1.922
149.5	1.999	1.691	2.229	1.307	2.152	1.614	1.537
150.0	2.383	1.922	2.076	1.230	2.152	1.845	1.537
150.5	1.768	1.845	2.383	1.768	2.076	1.768	1.691
151.0	1.999	1.307	2.076	1.461	2.076	1.768	1.922
151.5	1.845	1.153	1.845	1.153	1.922	1.461	1.845
152.0	2.152	1.230	2.076	1.153	2.076	1.230	1.614

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CANDELA TABULATION - (Cont.)

152.5	1.922	1.461	1.922	1.537	1.922	1.537	1.845
153.0	2.152	1.537	1.922	1.461	1.845	1.461	2.152
153.5	1.845	1.614	2.076	1.307	1.537	1.691	1.922
154.0	1.614	1.230	2.076	1.768	2.152	1.230	2.229
154.5	2.152	1.307	1.922	1.153	1.537	1.230	1.922
155.0	1.922	1.307	1.845	1.230	1.999	1.153	1.999
155.5	1.691	1.153	1.768	1.461	1.691	1.153	1.999
156.0	1.999	1.845	1.845	1.614	1.768	1.691	1.768
156.5	1.999	1.461	1.691	1.461	1.768	1.076	1.614
157.0	1.768	1.307	2.306	1.307	1.691	1.537	1.845
157.5	1.845	1.230	1.999	1.614	1.768	1.230	1.922
158.0	1.845	1.230	1.768	1.153	1.691	1.307	1.614
158.5	1.768	1.307	1.768	1.230	1.845	1.461	2.076
159.0	1.768	1.230	1.691	1.614	1.230	0.999	1.768
159.5	1.691	1.076	1.537	1.153	1.537	1.461	1.691
160.0	2.229	1.307	1.691	1.307	1.614	0.922	2.229
160.5	1.922	1.230	1.307	1.845	1.845	1.461	1.614
161.0	1.845	1.307	1.845	1.461	2.229	0.999	1.691
161.5	1.768	1.537	1.307	1.537	1.614	1.307	1.614
162.0	1.307	1.537	1.230	1.307	1.537	1.230	1.845
162.5	1.307	0.999	1.614	1.307	1.768	1.153	1.845
163.0	1.614	1.461	1.614	1.614	1.845	1.768	1.537
163.5	1.922	1.153	1.845	1.153	1.537	1.307	1.614
164.0	1.537	1.076	1.461	1.614	1.768	1.076	1.614
164.5	1.537	1.461	1.461	1.153	1.461	1.307	1.537
165.0	1.691	1.461	1.537	1.537	1.461	1.153	1.845
165.5	1.537	1.537	1.691	0.999	1.614	1.691	1.768
166.0	1.230	1.537	1.307	0.999	1.922	1.076	1.153
166.5	1.614	1.461	1.691	1.153	1.768	1.614	1.230
167.0	1.922	1.768	1.922	1.691	1.537	1.307	1.537
167.5	1.461	1.614	1.691	1.076	1.461	1.153	1.691
168.0	1.691	1.614	1.845	1.537	1.537	1.537	1.614
168.5	1.153	1.230	1.537	0.999	1.461	1.230	1.307
169.0	1.461	1.230	1.922	1.230	1.691	1.461	1.768
169.5	1.845	1.537	1.614	1.461	1.614	1.153	1.461
170.0	1.614	1.153	1.537	1.537	1.614	1.076	1.230
170.5	1.537	1.153	1.691	1.153	0.922	1.230	1.153
171.0	1.537	1.076	1.537	1.076	1.461	1.153	1.076
171.5	1.922	1.076	1.461	0.999	1.153	0.692	1.614
172.0	1.614	0.922	1.307	1.307	1.768	0.769	1.153
172.5	1.461	1.076	1.153	1.230	1.461	1.153	1.691
173.0	1.307	1.537	1.230	1.076	0.999	1.153	1.614
173.5	1.076	0.846	1.537	1.076	1.153	1.153	1.307
174.0	1.307	0.999	0.922	1.307	1.230	0.999	1.461
174.5	0.999	1.153	1.461	1.230	0.999	1.076	1.461
175.0	1.461	0.922	0.999	1.153	1.461	0.999	1.307
175.5	0.999	1.076	1.307	1.076	1.230	1.153	0.846
176.0	1.230	1.307	1.307	1.076	0.846	0.922	1.153
176.5	1.307	0.999	0.922	0.769	1.076	0.922	1.230
177.0	0.999	0.999	0.999	0.692	0.999	1.153	0.922
177.5	1.153	0.999	1.153	0.922	0.922	0.999	1.230
178.0	0.846	0.999	0.846	1.153	0.999	1.076	0.692
178.5	1.153	1.230	1.153	0.846	0.846	0.769	0.769
179.0	1.230	0.999	1.230	1.076	1.076	0.922	1.230
179.5	1.076	1.076	1.153	0.922	0.922	0.999	1.153
180.0	0.992	0.992	0.992	0.992	0.992	0.992	0.992

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IES INDOOR REPORT
PHOTOMETRIC FILENAME : EPL-HB-300LED-RT-B-140DB.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2803.06	6.70	6.70
0-30	6088.27	14.60	14.70
0-40	10911.77	26.20	26.30
0-60	29949.86	72.00	72.10
0-80	41412.51	99.50	99.70
0-90	41525.82	99.80	100.00
10-90	40800.21	98.00	98.20
20-40	8108.71	19.50	19.50
20-50	15267.37	36.70	36.80
40-70	29353.2	70.50	70.70
60-80	11462.65	27.50	27.60
70-80	1147.54	2.80	2.80
80-90	113.32	0.30	0.30
90-110	2.32	0.00	0.00
90-120	3.73	0.00	0.00
90-130	5.20	0.00	0.00
90-150	7.83	0.00	0.00
90-180	9.22	0.00	0.00
110-180	6.90	0.00	0.00
0-180	41535.04	99.80	100.00

Total Luminaire Efficiency = 99.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	725.62
10-20	2077.44
20-30	3285.21
30-40	4823.5
40-50	7158.65
50-60	11879.44
60-70	10315.1
70-80	1147.54
80-90	113.32
90-100	1.20
100-110	1.11
110-120	1.42
120-130	1.47
130-140	1.40
140-150	1.24
150-160	0.83
160-170	0.44
170-180	0.12

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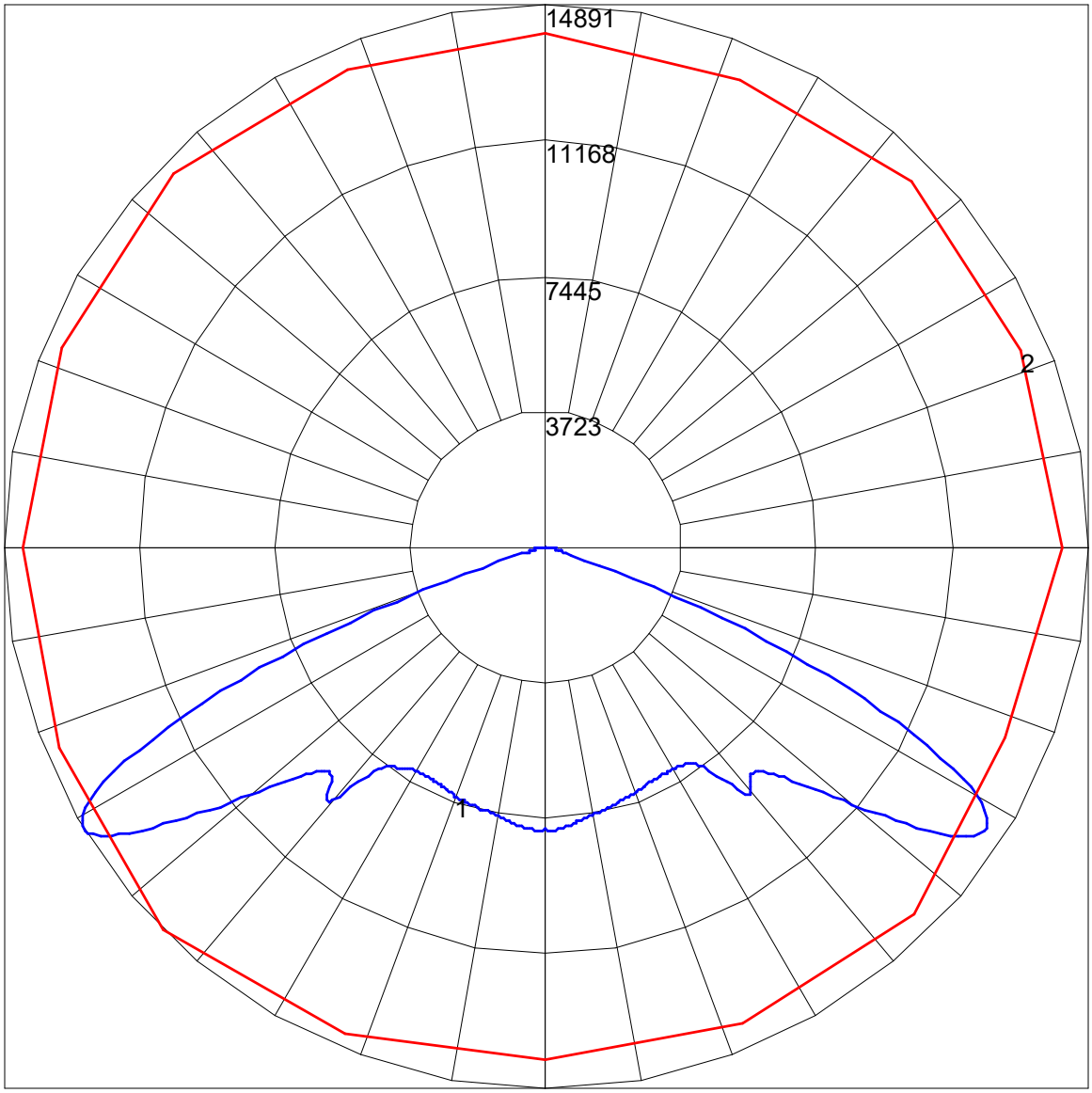
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66
3	86	75	65	58	84	73	64	58	70	63	57	67	61	56	64	59	55	52
4	77	64	54	47	75	63	53	46	60	52	46	58	51	45	55	49	44	42
5	70	56	45	38	68	54	45	38	52	44	37	50	43	37	48	42	36	34
6	64	49	39	32	62	48	38	31	46	37	31	44	36	31	42	36	30	28
7	58	43	33	27	56	42	33	27	41	32	26	39	32	26	38	31	26	24
8	54	39	29	23	52	38	29	23	37	28	23	35	28	22	34	27	22	20
9	50	35	26	20	48	34	26	20	33	25	20	32	25	20	31	24	19	17
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17	15

IES INDOOR REPORT
PHOTOMETRIC FILENAME : EPL-HB-300LED-RT-B-140DB.IES

POLAR GRAPH



Maximum Candela = 14890.705 Located At Horizontal Angle = 225, Vertical Angle = 58.5
1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (58.5) (Through Max. Cd.)

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