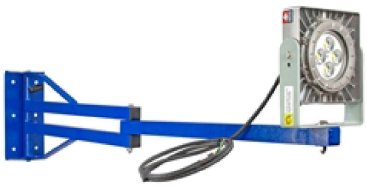
IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-60DB-50K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 173027
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 06-10-2017
[ISSUEDATE] 06-10-2017
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] EPL-SBDL-V2-50RT-24-1227-60DB-50K
[MORE] IRON X SERIES
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED DOCK LIGHT, LOW PROFILE
[MORE] 60 DEGREE BEAM, 120-277V AC 50/60 HZ, 5000K
[LAMP] CREE CXB1512
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-R5000 V2
[_SEARCH _SOURCETYPE] LED
[_SEARCH_APPLICATION] INDOOR, OUTDOOR, HARBOR, INDUSTRIAL, WATER TREATMENT, OIL FIELD, REFINERY, HIGH
[_SEARCH _MOUNTING] CEILING, SURFACE
[_SEARCH _CERTIFICATION] NEC, UL
[_SEARCH_COLORTEMP] 5000K
[_SEARCH_CRI] 85
[_SEARCH _CLASSIFICATION] CLASS I, CLASS II, DIVISION 1, DIVISION 2, GROUP C, GROUP D, GROUP E, GROUP F, GR

CHARACTERISTICS

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	6054.13 (1 lamp)
Total Lamp Lumens	6054.13
Luminaire Lumens	6054
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	48.98
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5450.66
Maximum Candela Angle	360H .5V
Maximum Candela (<90 Degrees Vertical)	5450.66
Maximum Candela Angle (<90 Degrees Vertical)	360H .5V
Maximum Candela At 90 Degrees Vertical	.22 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.81 (0.3% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1591.0	26.3	26.3
FM - Front-Medium (30-60)	1387.8	22.9	22.9
FH - Front-High (60-80)	38.9	0.6	0.6
FVH - Front-Very High (80-90)	1.3	0.0	0.0
BL - Back-Low (0-30)	1602.1	26.5	26.5
BM - Back-Medium (30-60)	1389.7	23.0	23.0
BH - Back-High (60-80)	40.4	0.7	0.7
BVH - Back-Very High (80-90)	1.5	0.0	0.0
UL - Uplight-Low (90-100)	< 0.05	0.0	0.0
UH - Uplight-High (100-180)	1.6	0.0	0.0
Total	6054.3	100.0	100.0
BUG Rating	B3-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	5410.70	5410.70	5410.70	5410.70	5410.70	5410.70	5410.70	5410.70	5410.70	5410.70
0.5	5450.66	5431.83	5447.25	5422.79	5416.24	5392.88	5386.76	5368.10	5449.61	5448.34
1.0	5449.61	5434.97	5449.00	5428.46	5417.88	5397.58	5386.11	5369.73	5446.48	5439.60
1.5	5444.38	5437.06	5448.77	5431.41	5417.01	5400.30	5383.05	5368.53	5441.24	5427.92
2.0	5440.20	5436.01	5445.83	5432.50	5414.06	5399.64	5377.49	5365.91	5431.83	5415.48
2.5	5433.92	5432.87	5440.04	5431.20	5409.59	5395.39	5369.84	5361.11	5423.46	5399.64
3.0	5448.23	5428.69	5433.60	5426.83	5401.83	5390.04	5361.65	5353.57	5415.09	5384.58
3.5	5436.66	5423.46	5425.74	5422.03	5394.18	5383.71	5350.85	5344.40	5402.53	5365.58
4.0	5421.81	5415.09	5415.58	5415.48	5385.67	5375.30	5339.38	5333.71	5387.89	5346.15
4.5	5406.31	5405.68	5404.44	5406.52	5374.65	5366.45	5327.04	5320.38	5371.15	5325.08
5.0	5386.43	5393.12	5390.04	5397.02	5363.18	5355.98	5310.78	5306.63	5352.33	5300.19
5.5	5366.68	5378.47	5375.74	5384.36	5348.77	5342.76	5295.17	5289.71	5333.49	5277.37
6.0	5345.50	5360.70	5357.28	5370.49	5333.82	5329.12	5277.92	5273.66	5310.48	5252.04
6.5	5320.61	5342.91	5340.04	5356.19	5318.20	5311.76	5260.89	5256.85	5289.55	5220.16
7.0	5296.69	5321.98	5321.37	5338.95	5298.44	5295.71	5241.23	5235.12	5268.63	5189.05
7.5	5270.16	5298.97	5297.68	5322.13	5278.68	5279.55	5218.63	5214.81	5241.43	5152.69
8.0	5237.52	5279.09	5274.86	5302.48	5257.50	5260.01	5196.57	5192.65	5212.14	5118.18
8.5	5207.06	5255.03	5246.80	5278.46	5232.72	5239.92	5172.56	5166.66	5180.75	5082.17
9.0	5174.30	5225.73	5219.72	5255.64	5209.14	5218.85	5143.85	5140.24	5150.42	5039.81
9.5	5135.88	5197.49	5190.90	5231.08	5181.30	5192.86	5117.64	5109.46	5121.13	5000.17
10.0	5098.75	5162.97	5155.74	5202.81	5154.11	5168.20	5086.20	5081.29	5081.38	4959.12
10.5	5054.65	5134.73	5122.88	5175.29	5125.51	5138.82	5055.53	5051.27	5041.62	4910.31
11.0	5014.14	5102.30	5088.82	5141.77	5092.20	5111.32	5022.55	5014.58	5006.05	4863.70
11.5	4971.79	5060.45	5049.30	5109.34	5060.54	5081.84	4984.23	4978.88	4961.07	4809.44
12.0	4919.49	5024.88	5011.42	5075.29	5025.50	5046.68	4947.66	4941.32	4916.08	4759.44
12.5	4869.81	4981.99	4970.59	5036.09	4984.56	5012.84	4908.25	4897.76	4874.24	4708.02
13.0	4818.94	4939.09	4921.35	4998.86	4944.82	4975.93	4861.85	4857.15	4825.07	4648.30
13.5	4760.86	4893.07	4876.03	4959.12	4903.76	4933.90	4819.38	4814.47	4774.85	4593.93
14.0	4706.71	4844.94	4824.61	4912.94	4856.17	4893.95	4774.61	4764.57	4721.50	4530.93
14.5	4643.60	4793.69	4774.73	4869.16	4811.73	4847.21	4723.62	4718.72	4669.19	4472.75
15.0	4585.09	4744.52	4722.21	4819.27	4759.88	4804.20	4676.13	4666.20	4584.97	4413.68
15.5	4524.71	4686.98	4661.07	4771.89	4710.53	4759.11	4621.22	4616.74	4547.20	4346.75
16.0	4455.92	4635.71	4604.85	4722.21	4659.54	4706.38	4570.34	4565.54	4490.32	4284.52
16.5	4391.52	4560.41	4546.22	4663.80	4600.59	4656.05	4518.05	4506.48	4424.48	4220.22
17.0	4324.70	4495.89	4479.73	4609.43	4545.13	4599.06	4457.67	4452.11	4364.00	4148.27
17.5	4249.91	4433.01	4416.74	4552.87	4481.69	4545.68	4401.67	4389.22	4301.88	4081.57
18.0	4181.90	4360.95	4345.00	4487.92	4421.64	4490.10	4336.70	4330.81	4230.15	4013.11
18.5	4105.14	4295.11	4279.72	4427.43	4360.40	4426.56	4276.44	4272.07	4165.41	3936.36
19.0	4034.95	4227.20	4213.13	4357.78	4290.74	4367.71	4214.54	4204.28	4099.14	3866.16
19.5	3964.42	4151.76	4138.23	4293.80	4225.35	4307.12	4144.67	4141.94	4023.59	3786.47
20.0	3886.14	4083.42	4069.33	4228.73	4159.40	4238.56	4079.82	4077.96	3954.48	3714.84
20.5	3815.72	4013.55	3992.37	4154.17	4085.50	4174.36	4014.10	4005.47	3876.86	3642.57
21.0	3744.98	3936.25	3922.71	4085.28	4017.58	4108.31	3939.96	3938.76	3805.24	3561.89
21.5	3666.15	3865.72	3852.95	4015.85	3940.51	4034.08	3872.17	3863.21	3731.55	3488.41
22.0	3594.86	3786.79	3773.91	3938.55	3870.30	3966.16	3794.65	3792.47	3649.78	3415.05
22.5	3514.94	3715.72	3703.49	3868.34	3799.02	3889.52	3723.80	3721.72	3577.18	3332.40
23.0	3442.34	3644.53	3632.09	3797.27	3720.63	3819.43	3652.17	3643.23	3503.26	3258.82
23.5	3370.07	3566.59	3554.25	3718.77	3649.33	3748.79	3573.46	3572.69	3420.50	3177.92
24.0	3290.47	3494.85	3482.84	3648.13	3578.91	3670.41	3501.73	3500.21	3346.38	3105.53
24.5	3218.32	3422.91	3411.11	3570.73	3499.99	3599.66	3428.58	3419.95	3273.00	3035.22
25.0	3145.93	3343.76	3331.20	3500.64	3428.37	3528.81	3347.68	3348.12	3192.11	2958.25
25.5	3067.43	3271.81	3260.12	3429.13	3356.85	3449.76	3275.63	3275.41	3119.95	2888.92
26.0	2997.99	3191.46	3180.97	3348.23	3278.36	3377.27	3202.91	3194.94	3041.33	2814.25

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CANDELA TABULATION - (Cont.)

26.5	2920.15	3119.29	3109.24	3275.63	3207.28	3296.69	3121.91	3123.33	2970.92	2748.31
27.0	2851.26	3047.34	3037.62	3194.84	3127.59	3224.86	3051.16	3045.04	2901.26	2684.44
27.5	2783.69	2968.84	2958.58	3123.55	3056.19	3152.91	2973.32	2975.06	2826.26	2615.56
28.0	2709.55	2898.86	2887.62	3052.80	2985.55	3073.33	2903.88	2905.85	2760.64	2554.41
28.5	2644.48	2830.29	2811.52	2975.06	2907.71	3003.57	2836.41	2830.74	2696.89	2488.14
29.0	2581.05	2755.30	2744.38	2905.09	2839.15	2934.89	2763.15	2764.03	2628.21	2429.73
29.5	2511.62	2689.03	2678.66	2837.07	2772.11	2858.68	2698.42	2699.72	2567.29	2373.84
30.0	2451.13	2625.05	2607.26	2763.05	2699.39	2792.74	2634.88	2630.07	2501.14	2313.57
30.5	2386.39	2555.07	2544.69	2697.98	2635.42	2727.24	2567.19	2568.61	2442.40	2261.05
31.0	2330.71	2492.94	2483.56	2625.92	2565.54	2655.73	2506.81	2501.35	2385.95	2211.27
31.5	2275.57	2425.92	2416.30	2562.60	2502.99	2592.84	2447.20	2442.07	2325.80	2157.01
32.0	2217.39	2367.72	2358.00	2500.59	2442.51	2523.84	2382.57	2385.08	2273.39	2110.51
32.5	2168.26	2311.17	2295.23	2433.44	2377.22	2463.25	2326.13	2322.52	2222.40	2061.92
33.0	2123.49	2250.46	2241.08	2374.93	2319.80	2403.86	2265.21	2267.72	2168.59	2022.18
33.5	2077.32	2199.04	2189.54	2317.83	2258.66	2340.53	2212.47	2216.18	2121.74	1984.95
34.0	2038.55	2145.12	2135.61	2256.91	2205.49	2285.29	2162.36	2161.05	2073.06	1947.29
34.5	2002.64	2100.89	2090.30	2203.96	2154.83	2231.14	2109.63	2114.55	2031.90	1916.17
35.0	1965.74	2060.28	2048.71	2148.28	2101.55	2173.82	2065.09	2064.86	1994.56	1887.68
35.5	1935.38	2018.03	2005.91	2101.44	2057.22	2124.91	2018.90	2021.31	1956.89	1858.64
36.0	1903.51	1982.66	1971.20	2057.01	2016.72	2074.58	1979.71	1981.46	1925.55	1833.96
36.5	1876.43	1950.01	1939.10	2012.14	1975.02	2031.67	1943.47	1940.73	1896.73	1809.94
37.0	1850.89	1916.50	1906.12	1975.88	1940.96	1991.93	1907.00	1907.54	1866.71	1784.51
37.5	1824.03	1888.33	1878.39	1942.48	1909.62	1951.43	1876.54	1876.32	1841.49	1762.24
38.0	1801.10	1859.40	1849.14	1908.86	1877.41	1918.79	1848.37	1845.10	1814.53	1738.32
38.5	1776.21	1835.05	1824.03	1881.13	1850.89	1888.44	1819.12	1819.44	1792.15	1717.47
39.0	1755.03	1812.02	1800.77	1852.19	1822.93	1856.78	1795.10	1792.59	1769.55	1696.83
39.5	1734.61	1787.23	1775.99	1827.08	1799.46	1830.03	1772.17	1769.33	1745.10	1673.69
40.0	1712.88	1765.83	1755.03	1803.83	1776.64	1803.17	1747.39	1746.51	1723.37	1652.62
40.5	1693.12	1744.65	1734.50	1779.05	1752.62	1780.02	1725.88	1722.27	1701.75	1627.51
41.0	1672.81	1721.72	1712.45	1757.42	1731.55	1757.65	1702.52	1700.33	1677.40	1602.72
41.5	1650.11	1702.40	1693.02	1736.47	1708.74	1733.30	1681.34	1678.39	1654.15	1577.07
42.0	1629.91	1683.19	1671.29	1714.30	1688.76	1712.12	1659.61	1654.25	1627.18	1547.49
42.5	1606.22	1661.35	1651.75	1695.08	1669.00	1691.70	1635.04	1632.10	1601.86	1519.43
43.0	1583.62	1642.14	1632.31	1673.47	1646.94	1669.21	1612.01	1606.66	1576.09	1489.07
43.5	1559.17	1620.63	1611.35	1654.47	1626.74	1648.25	1588.32	1583.19	1546.94	1452.72
44.0	1529.36	1600.65	1591.91	1635.04	1604.47	1624.02	1561.56	1558.29	1519.86	1416.80
44.5	1499.88	1580.02	1570.85	1612.99	1578.16	1602.40	1536.67	1530.67	1490.28	1374.54
45.0	1468.11	1553.92	1544.97	1592.03	1553.59	1579.14	1507.30	1505.01	1454.14	1334.37
45.5	1430.12	1528.49	1519.31	1569.31	1528.16	1551.63	1480.02	1475.10	1418.87	1292.12
46.0	1393.22	1497.37	1488.20	1543.00	1498.35	1524.89	1450.54	1445.95	1377.17	1243.43
46.5	1354.46	1466.36	1457.63	1517.02	1469.43	1496.83	1415.38	1414.18	1337.10	1198.34
47.0	1309.15	1431.98	1423.57	1486.12	1435.36	1464.73	1380.33	1375.42	1294.85	1151.61
47.5	1265.37	1390.38	1382.52	1456.00	1402.27	1433.83	1343.33	1338.41	1245.61	1097.46
48.0	1214.94	1351.18	1343.10	1422.48	1366.25	1397.69	1300.42	1299.32	1200.09	1048.33
48.5	1168.09	1310.24	1302.27	1381.86	1324.11	1362.43	1259.81	1253.69	1153.57	998.77
49.0	1119.51	1263.08	1255.22	1343.21	1283.28	1324.54	1213.19	1211.44	1100.19	943.85
49.5	1065.25	1219.08	1210.57	1302.49	1240.70	1279.89	1169.84	1167.99	1051.71	894.72
50.0	1015.47	1172.90	1164.49	1255.32	1191.35	1238.08	1124.75	1117.00	997.45	838.71
50.5	965.35	1119.29	1111.33	1211.00	1145.39	1194.63	1072.79	1069.62	947.24	787.62
51.0	908.80	1070.05	1062.30	1165.15	1093.10	1144.30	1025.51	1017.00	896.46	736.09
51.5	857.71	1014.81	1007.07	1111.98	1045.27	1097.68	976.93	969.06	840.03	679.21
52.0	800.93	964.81	956.84	1063.62	996.58	1044.95	922.56	920.81	789.70	628.88
52.5	749.96	914.26	905.96	1009.03	941.45	996.48	873.65	866.55	734.12	579.64
53.0	699.08	857.17	849.30	958.92	891.88	947.56	824.41	817.21	683.90	547.22
53.5	642.96	805.75	797.99	909.35	841.66	893.52	770.15	768.07	633.90	478.42
54.0	592.96	754.76	747.33	853.89	785.98	844.50	720.58	713.38	579.20	428.31

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CANDELA TABULATION - (Cont.)

54.5	557.36	697.98	691.22	803.88	735.87	790.02	665.56	664.47	531.38	384.75
55.0	489.64	647.11	641.43	747.77	680.62	740.89	616.98	610.86	484.33	343.02
55.5	443.67	592.09	587.06	697.00	630.74	691.33	571.45	563.48	419.58	299.28
56.0	393.22	543.61	555.07	646.67	581.50	636.20	515.02	517.30	390.57	262.70
56.5	348.86	495.14	490.06	591.54	548.96	587.72	469.26	466.75	348.42	228.31
57.0	307.00	419.78	438.27	542.96	481.07	540.22	424.78	413.88	304.55	192.18
57.5	263.79	397.33	392.80	495.57	436.26	488.92	377.15	377.11	268.38	162.49
58.0	227.56	348.99	344.72	422.17	387.62	422.65	336.59	337.59	231.19	134.09
58.5	190.21	307.71	303.17	400.37	345.13	396.60	294.13	300.06	199.60	112.52
59.0	160.12	268.33	263.60	357.78	299.89	354.97	258.70	260.97	170.79	94.74
59.5	133.95	227.26	222.72	312.38	262.70	314.70	225.29	227.94	143.90	79.22
60.0	109.42	192.91	189.22	273.52	228.34	271.91	191.32	196.99	122.99	68.08
60.5	90.83	162.14	158.65	233.24	192.31	236.66	164.00	166.48	103.82	59.72
61.0	76.08	132.23	128.85	199.68	162.72	204.40	140.22	142.38	86.09	54.99
61.5	65.22	109.42	106.21	168.83	137.02	171.89	117.40	121.19	73.54	51.63
62.0	59.06	88.65	86.37	139.14	113.33	146.25	99.23	101.13	62.97	49.92
62.5	55.04	74.18	72.49	116.41	95.44	124.01	82.82	86.21	56.89	48.53
63.0	51.03	64.11	62.69	97.49	81.48	103.35	71.83	72.74	53.59	47.14
63.5	48.90	57.92	56.14	81.49	69.96	88.44	63.46	63.46	51.37	45.67
64.0	47.07	54.51	53.74	70.90	62.04	76.94	56.56	57.28	49.92	44.33
64.5	45.56	52.46	51.69	62.44	55.81	67.12	54.07	53.05	48.54	43.11
65.0	44.17	50.89	49.92	57.55	51.45	60.18	50.25	50.91	46.98	41.86
65.5	42.88	49.23	48.30	54.45	49.42	55.01	48.50	49.25	45.64	40.84
66.0	41.85	47.27	46.20	52.28	47.65	52.12	46.97	47.80	44.39	39.75
66.5	40.80	45.61	44.75	50.63	46.20	50.31	45.41	46.41	43.11	38.76
67.0	39.89	44.36	43.47	49.04	44.62	48.55	44.02	45.05	42.06	37.68
67.5	38.98	43.10	42.15	47.37	43.36	47.19	42.78	43.83	40.91	36.43
68.0	37.87	42.04	41.01	45.96	42.28	45.89	41.47	42.67	39.36	35.29
68.5	36.84	41.11	39.94	44.53	41.17	44.48	40.33	41.42	38.82	33.93
69.0	35.78	39.68	38.86	43.32	40.18	43.43	39.23	38.72	37.60	32.67
69.5	34.42	39.00	37.93	42.21	39.27	42.20	38.07	39.41	36.49	31.39
70.0	33.10	37.92	36.89	41.14	38.26	41.17	37.03	38.31	35.18	29.92
70.5	31.67	36.84	35.86	39.01	37.31	39.61	35.98	37.23	33.95	28.66
71.0	30.41	35.71	34.77	39.25	36.20	39.07	34.76	36.00	32.70	27.26
71.5	29.18	34.31	33.44	38.13	35.12	38.03	33.60	34.75	31.31	25.60
72.0	27.72	32.91	32.14	36.99	33.93	36.77	32.28	33.50	30.00	24.17
72.5	26.26	31.61	30.74	35.70	32.50	35.59	30.97	32.13	28.56	22.94
73.0	25.01	30.16	29.09	34.39	31.30	34.37	29.67	30.80	26.86	21.75
73.5	23.68	28.84	27.59	33.02	30.04	32.82	28.27	29.53	25.47	20.69
74.0	22.54	27.43	26.06	31.56	28.54	31.48	26.97	28.11	24.21	19.31
74.5	21.15	26.11	24.83	30.21	27.07	30.21	25.69	26.76	22.98	17.88
75.0	19.81	24.90	23.61	28.80	25.64	28.74	24.22	25.14	21.90	16.46
75.5	18.45	23.48	22.27	27.09	24.22	27.38	22.87	23.87	20.48	15.12
76.0	17.09	22.31	20.86	25.61	23.03	26.00	21.40	22.69	19.25	14.01
76.5	16.04	21.06	19.54	24.20	21.76	24.48	20.19	21.51	17.97	12.84
77.0	15.04	19.45	18.22	23.02	20.56	23.18	19.08	20.36	16.60	11.57
77.5	13.84	18.06	17.05	21.92	19.25	21.83	17.92	19.03	15.40	10.47
78.0	12.73	16.83	15.48	20.47	17.86	20.66	16.79	17.68	14.29	9.41
78.5	11.57	15.64	14.02	19.05	16.69	19.40	15.14	16.44	13.14	8.39
79.0	10.33	14.58	12.72	17.50	15.58	18.06	13.81	15.12	12.21	7.26
79.5	9.23	13.18	11.69	16.26	14.37	16.89	12.61	13.90	11.10	6.09
80.0	8.08	11.90	10.70	15.07	13.24	15.81	11.54	12.71	9.94	5.17
80.5	7.18	10.73	9.49	13.72	12.05	14.51	10.46	11.50	8.76	4.44
81.0	6.24	9.61	8.23	12.49	11.02	13.25	9.32	10.51	7.63	3.97
81.5	5.14	8.66	7.24	11.36	10.04	11.96	8.19	9.62	6.70	3.23
82.0	4.23	7.52	6.35	10.25	8.89	10.90	7.30	8.43	5.60	2.45

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CANDELA TABULATION - (Cont.)

82.5	3.63	6.57	5.45	9.33	7.81	10.00	6.43	7.29	4.73	1.93
83.0	3.02	5.72	4.50	8.03	6.80	8.88	5.32	6.23	4.00	1.21
83.5	2.16	4.85	3.98	6.92	5.80	7.78	4.45	5.40	2.91	0.75
84.0	1.52	4.11	3.40	5.97	4.88	6.78	3.79	4.66	2.20	0.42
84.5	1.21	3.11	2.90	5.14	3.99	5.74	3.33	3.87	1.79	0.13
85.0	0.71	2.51	2.27	4.41	3.52	4.97	2.81	2.93	1.24	0.03
85.5	0.39	1.90	1.62	3.39	2.74	4.09	2.14	2.22	0.88	0.01
86.0	0.21	1.26	1.15	2.71	2.00	3.08	1.61	1.53	0.63	0.00
86.5	0.05	0.88	0.72	2.18	1.47	2.47	1.09	1.22	0.43	0.00
87.0	0.04	0.57	0.25	1.53	0.96	1.76	0.51	0.73	0.30	0.00
87.5	0.00	0.31	0.07	1.07	0.54	1.30	0.15	0.42	0.16	0.00
88.0	0.00	0.27	0.05	0.73	0.35	0.88	0.06	0.36	0.16	0.00
88.5	0.00	0.15	0.00	0.43	0.09	0.54	0.00	0.26	0.12	0.00
89.0	0.00	0.15	0.00	0.32	0.03	0.37	0.00	0.20	0.13	0.00
89.5	0.00	0.14	0.00	0.26	0.01	0.28	0.00	0.13	0.09	0.00
90.0	0.00	0.08	0.00	0.16	0.00	0.22	0.00	0.09	0.10	0.00
90.5	0.00	0.10	0.00	0.12	0.00	0.15	0.00	0.10	0.09	0.00
91.0	0.00	0.14	0.00	0.11	0.00	0.13	0.00	0.04	0.09	0.00
91.5	0.00	0.11	0.00	0.11	0.00	0.11	0.00	0.04	0.11	0.00
92.0	0.00	0.05	0.00	0.08	0.00	0.11	0.00	0.07	0.10	0.00
92.5	0.00	0.07	0.00	0.09	0.00	0.09	0.00	0.08	0.09	0.00
93.0	0.00	0.07	0.00	0.11	0.00	0.08	0.00	0.10	0.09	0.00
93.5	0.00	0.08	0.00	0.10	0.00	0.10	0.00	0.07	0.05	0.00
94.0	0.00	0.06	0.00	0.05	0.00	0.09	0.00	0.08	0.07	0.00
94.5	0.00	0.05	0.00	0.07	0.00	0.06	0.00	0.06	0.05	0.00
95.0	0.00	0.05	0.00	0.06	0.00	0.06	0.00	0.05	0.04	0.00
95.5	0.00	0.05	0.00	0.05	0.00	0.05	0.00	0.06	0.06	0.00
96.0	0.00	0.03	0.00	0.02	0.00	0.05	0.00	0.05	0.04	0.00
96.5	0.00	0.06	0.00	0.04	0.00	0.05	0.00	0.05	0.07	0.00
97.0	0.00	0.03	0.00	0.05	0.00	0.05	0.00	0.05	0.03	0.00
97.5	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.06	0.03	0.00
98.0	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.06	0.08	0.00
98.5	0.00	0.02	0.00	0.03	0.00	0.04	0.00	0.03	0.05	0.00
99.0	0.00	0.02	0.00	0.03	0.00	0.02	0.00	0.01	0.03	0.00
99.5	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.04	0.00
100.0	0.00	0.04	0.00	0.03	0.00	0.03	0.00	0.02	0.04	0.00
100.5	0.00	0.04	0.00	0.01	0.00	0.05	0.00	0.01	0.05	0.00
101.0	0.00	0.02	0.00	0.02	0.00	0.06	0.00	0.01	0.07	0.00
101.5	0.00	0.02	0.00	0.00	0.00	0.04	0.00	0.04	0.06	0.00
102.0	0.00	0.01	0.00	0.03	0.00	0.04	0.00	0.03	0.06	0.00
102.5	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.04	0.06	0.00
103.0	0.00	0.04	0.00	0.03	0.00	0.01	0.00	0.05	0.02	0.00
103.5	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02	0.04	0.00
104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.00
104.5	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02	0.05	0.00
105.0	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.04	0.03	0.00
105.5	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.04	0.04	0.00
106.0	0.00	0.03	0.00	0.04	0.00	0.01	0.00	0.02	0.03	0.00
106.5	0.00	0.01	0.00	0.03	0.00	0.05	0.00	0.00	0.05	0.01
107.0	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.00	0.04	0.01
107.5	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.02	0.05	0.02
108.0	0.00	0.03	0.00	0.04	0.00	0.00	0.00	0.02	0.06	0.00
108.5	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.04	0.02
109.0	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.06	0.00
109.5	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.02	0.05	0.02
110.0	0.00	0.02	0.00	0.01	0.00	0.03	0.00	0.02	0.03	0.00

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CANDELA TABULATION - (Cont.)

110.5	0.00	0.03	0.00	0.00	0.00	0.02	0.00	0.01	0.05	0.02
111.0	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.03	0.03	0.02
111.5	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.03	0.06	0.01
112.0	0.00	0.01	0.00	0.02	0.00	0.01	0.00	0.02	0.07	0.02
112.5	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.03
113.0	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02	0.06	0.03
113.5	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.02	0.06	0.02
114.0	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.02	0.09	0.05
114.5	0.00	0.03	0.00	0.01	0.03	0.04	0.00	0.03	0.06	0.03
115.0	0.00	0.01	0.00	0.05	0.00	0.01	0.00	0.00	0.10	0.03
115.5	0.00	0.02	0.01	0.03	0.00	0.02	0.00	0.02	0.07	0.04
116.0	0.00	0.02	0.00	0.02	0.00	0.03	0.00	0.04	0.06	0.06
116.5	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.04	0.10	0.03
117.0	0.02	0.03	0.00	0.05	0.00	0.03	0.00	0.08	0.08	0.03
117.5	0.00	0.02	0.00	0.02	0.00	0.01	0.00	0.01	0.09	0.03
118.0	0.01	0.03	0.00	0.01	0.00	0.01	0.00	0.03	0.09	0.03
118.5	0.00	0.04	0.00	0.01	0.00	0.06	0.00	0.05	0.11	0.09
119.0	0.00	0.05	0.01	0.02	0.00	0.03	0.00	0.01	0.11	0.05
119.5	0.00	0.02	0.00	0.06	0.00	0.07	0.04	0.05	0.11	0.06
120.0	0.02	0.04	0.00	0.07	0.03	0.02	0.00	0.03	0.11	0.08
120.5	0.01	0.04	0.03	0.03	0.00	0.05	0.01	0.03	0.09	0.09
121.0	0.00	0.04	0.02	0.04	0.00	0.04	0.03	0.03	0.17	0.11
121.5	0.02	0.05	0.01	0.07	0.04	0.04	0.03	0.04	0.13	0.09
122.0	0.01	0.04	0.00	0.03	0.03	0.07	0.00	0.06	0.13	0.10
122.5	0.04	0.06	0.02	0.10	0.01	0.04	0.00	0.04	0.13	0.12
123.0	0.04	0.06	0.05	0.05	0.02	0.06	0.02	0.06	0.13	0.12
123.5	0.04	0.04	0.02	0.03	0.05	0.03	0.02	0.07	0.20	0.11
124.0	0.07	0.05	0.02	0.05	0.00	0.04	0.02	0.07	0.21	0.15
124.5	0.00	0.07	0.02	0.09	0.01	0.09	0.01	0.04	0.23	0.20
125.0	0.03	0.11	0.07	0.05	0.03	0.05	0.02	0.07	0.17	0.13
125.5	0.03	0.06	0.02	0.07	0.03	0.07	0.05	0.05	0.17	0.12
126.0	0.06	0.10	0.01	0.06	0.03	0.08	0.04	0.10	0.25	0.17
126.5	0.06	0.10	0.05	0.10	0.03	0.07	0.03	0.08	0.23	0.16
127.0	0.06	0.10	0.07	0.10	0.02	0.07	0.05	0.07	0.21	0.17
127.5	0.04	0.10	0.06	0.10	0.04	0.08	0.08	0.11	0.22	0.22
128.0	0.07	0.15	0.07	0.09	0.02	0.09	0.06	0.09	0.26	0.19
128.5	0.06	0.11	0.05	0.09	0.03	0.16	0.06	0.15	0.24	0.20
129.0	0.08	0.13	0.03	0.11	0.05	0.10	0.04	0.08	0.26	0.21
129.5	0.08	0.11	0.05	0.10	0.05	0.10	0.06	0.11	0.24	0.20
130.0	0.12	0.14	0.07	0.11	0.06	0.08	0.08	0.11	0.27	0.25
130.5	0.10	0.12	0.08	0.11	0.07	0.11	0.05	0.10	0.29	0.27
131.0	0.11	0.14	0.09	0.13	0.08	0.10	0.07	0.15	0.31	0.29
131.5	0.15	0.15	0.11	0.15	0.05	0.13	0.11	0.17	0.33	0.29
132.0	0.12	0.17	0.10	0.13	0.10	0.14	0.11	0.12	0.37	0.24
132.5	0.10	0.13	0.10	0.15	0.08	0.17	0.14	0.16	0.33	0.31
133.0	0.12	0.12	0.10	0.13	0.10	0.15	0.10	0.13	0.34	0.25
133.5	0.15	0.15	0.12	0.12	0.12	0.12	0.12	0.19	0.34	0.35
134.0	0.14	0.20	0.12	0.15	0.11	0.19	0.12	0.16	0.37	0.35
134.5	0.14	0.22	0.13	0.16	0.13	0.17	0.14	0.23	0.39	0.35
135.0	0.16	0.16	0.14	0.15	0.12	0.17	0.13	0.14	0.46	0.34
135.5	0.19	0.20	0.14	0.22	0.14	0.16	0.14	0.17	0.40	0.40
136.0	0.19	0.22	0.16	0.19	0.12	0.20	0.14	0.24	0.42	0.41
136.5	0.20	0.23	0.15	0.21	0.13	0.21	0.15	0.21	0.40	0.42
137.0	0.15	0.16	0.14	0.19	0.22	0.21	0.17	0.19	0.45	0.45
137.5	0.19	0.23	0.19	0.15	0.15	0.22	0.21	0.26	0.51	0.46
138.0	0.20	0.30	0.17	0.27	0.19	0.23	0.21	0.25	0.45	0.47

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CANDELA TABULATION - (Cont.)

138.5	0.25	0.26	0.20	0.23	0.17	0.21	0.21	0.25	0.53	0.52
139.0	0.27	0.28	0.17	0.24	0.20	0.27	0.22	0.29	0.53	0.50
139.5	0.24	0.30	0.20	0.24	0.23	0.24	0.21	0.17	0.53	0.57
140.0	0.32	0.36	0.23	0.24	0.25	0.30	0.23	0.29	0.58	0.56
140.5	0.26	0.27	0.26	0.23	0.24	0.26	0.28	0.29	0.58	0.59
141.0	0.31	0.30	0.26	0.27	0.23	0.30	0.29	0.26	0.65	0.60
141.5	0.27	0.29	0.31	0.27	0.24	0.26	0.23	0.27	0.60	0.60
142.0	0.33	0.32	0.30	0.27	0.27	0.28	0.29	0.32	0.64	0.59
142.5	0.34	0.35	0.29	0.33	0.27	0.33	0.30	0.35	0.64	0.64
143.0	0.36	0.31	0.27	0.30	0.27	0.37	0.33	0.37	0.67	0.67
143.5	0.37	0.34	0.35	0.33	0.32	0.40	0.32	0.35	0.66	0.75
144.0	0.36	0.40	0.31	0.31	0.32	0.37	0.33	0.39	0.67	0.64
144.5	0.38	0.35	0.29	0.33	0.33	0.37	0.36	0.39	0.73	0.70
145.0	0.37	0.37	0.36	0.36	0.38	0.39	0.37	0.41	0.75	0.70
145.5	0.40	0.44	0.38	0.36	0.33	0.40	0.37	0.44	0.76	0.72
146.0	0.46	0.44	0.42	0.44	0.39	0.45	0.37	0.44	0.75	0.77
146.5	0.42	0.41	0.41	0.40	0.40	0.46	0.40	0.50	0.79	0.74
147.0	0.47	0.46	0.41	0.48	0.40	0.46	0.44	0.49	0.80	0.82
147.5	0.48	0.53	0.39	0.43	0.40	0.41	0.49	0.49	0.80	0.78
148.0	0.53	0.46	0.44	0.45	0.44	0.48	0.50	0.48	0.84	0.88
148.5	0.53	0.56	0.50	0.45	0.45	0.48	0.47	0.48	0.88	0.88
149.0	0.56	0.56	0.44	0.51	0.50	0.54	0.49	0.53	0.84	0.90
149.5	0.56	0.54	0.50	0.51	0.53	0.61	0.51	0.56	0.89	0.87
150.0	0.62	0.50	0.53	0.53	0.50	0.57	0.58	0.60	0.86	0.94
150.5	0.60	0.61	0.53	0.52	0.53	0.58	0.61	0.59	0.93	0.89
151.0	0.70	0.59	0.59	0.54	0.61	0.59	0.57	0.64	0.90	0.96
151.5	0.65	0.63	0.61	0.59	0.58	0.56	0.61	0.63	0.97	0.99
152.0	0.64	0.60	0.63	0.58	0.58	0.63	0.57	0.65	0.90	1.00
152.5	0.62	0.69	0.65	0.67	0.60	0.64	0.64	0.74	0.99	1.02
153.0	0.70	0.62	0.69	0.61	0.62	0.67	0.63	0.68	1.03	1.00
153.5	0.68	0.68	0.67	0.63	0.66	0.73	0.69	0.74	1.03	0.99
154.0	0.72	0.66	0.69	0.66	0.66	0.64	0.68	0.77	1.07	1.07
154.5	0.74	0.78	0.70	0.71	0.64	0.71	0.74	0.78	1.11	1.03
155.0	0.72	0.77	0.71	0.70	0.71	0.71	0.78	0.80	1.04	1.01
155.5	0.77	0.77	0.74	0.75	0.79	0.74	0.73	0.85	1.10	1.14
156.0	0.80	0.80	0.73	0.76	0.76	0.78	0.77	0.83	1.07	1.14
156.5	0.82	0.80	0.76	0.74	0.76	0.83	0.77	0.84	1.09	1.07
157.0	0.83	0.87	0.76	0.85	0.78	0.80	0.78	0.85	1.11	1.15
157.5	0.85	0.83	0.79	0.80	0.87	0.82	0.85	0.86	1.09	1.11
158.0	0.84	0.82	0.80	0.87	0.87	0.89	0.85	0.89	1.16	1.12
158.5	0.89	0.89	0.87	0.77	0.87	0.82	0.88	0.89	1.11	1.18
159.0	0.90	0.94	0.81	0.86	0.85	0.88	0.85	0.95	1.21	1.20
159.5	0.88	0.98	0.87	0.92	0.87	0.88	0.92	0.92	1.15	1.14
160.0	0.98	0.98	0.87	0.87	0.89	0.88	0.94	0.98	1.24	1.18
160.5	0.96	0.98	0.89	0.94	0.94	0.93	0.96	1.05	1.23	1.18
161.0	0.98	0.97	0.94	0.99	0.95	0.94	0.97	0.99	1.23	1.24
161.5	1.03	0.98	1.00	0.95	0.98	1.01	0.95	1.00	1.22	1.26
162.0	0.96	0.98	0.96	0.98	0.94	0.97	0.98	0.98	1.22	1.30
162.5	1.01	1.04	1.04	0.95	0.95	1.04	1.06	1.03	1.21	1.27
163.0	1.01	1.01	1.03	0.99	1.03	1.03	1.07	1.07	1.20	1.31
163.5	1.02	1.06	1.05	1.02	0.96	1.04	1.06	1.08	1.29	1.20
164.0	1.06	1.01	1.05	1.12	1.01	1.12	1.04	1.05	1.22	1.24
164.5	1.10	1.05	1.02	1.07	1.01	1.04	1.06	1.11	1.29	1.21
165.0	1.16	1.08	1.06	1.03	1.15	1.07	1.12	1.13	1.29	1.24
165.5	1.07	1.09	1.10	1.04	1.02	1.05	1.10	1.15	1.27	1.33
166.0	1.06	1.13	1.06	1.13	1.12	1.08	1.13	1.13	1.29	1.31

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CANDELA TABULATION - (Cont.)

166.5	1.20	1.16	1.08	1.08	1.13	1.17	1.06	1.12	1.33	1.35
167.0	1.13	1.11	1.09	1.10	1.08	1.16	1.09	1.17	1.33	1.38
167.5	1.16	1.13	1.16	1.10	1.13	1.15	1.17	1.18	1.38	1.33
168.0	1.17	1.20	1.17	1.12	1.18	1.17	1.10	1.17	1.31	1.34
168.5	1.21	1.21	1.24	1.16	1.10	1.19	1.19	1.24	1.34	1.33
169.0	1.20	1.19	1.12	1.13	1.16	1.13	1.18	1.22	1.38	1.35
169.5	1.24	1.22	1.21	1.26	1.16	1.21	1.20	1.25	1.39	1.36
170.0	1.25	1.21	1.20	1.18	1.18	1.21	1.26	1.30	1.41	1.37
170.5	1.25	1.30	1.20	1.25	1.13	1.24	1.23	1.25	1.34	1.38
171.0	1.29	1.18	1.23	1.22	1.22	1.26	1.29	1.25	1.41	1.39
171.5	1.27	1.19	1.23	1.22	1.25	1.21	1.23	1.27	1.41	1.36
172.0	1.30	1.22	1.24	1.25	1.24	1.25	1.24	1.26	1.39	1.37
172.5	1.22	1.27	1.24	1.27	1.25	1.34	1.22	1.29	1.40	1.36
173.0	1.29	1.24	1.24	1.30	1.31	1.24	1.31	1.35	1.41	1.43
173.5	1.35	1.26	1.27	1.27	1.25	1.25	1.29	1.30	1.42	1.39
174.0	1.29	1.32	1.27	1.30	1.26	1.22	1.31	1.27	1.43	1.31
174.5	1.41	1.22	1.32	1.29	1.25	1.31	1.31	1.34	1.38	1.40
175.0	1.38	1.33	1.34	1.33	1.31	1.36	1.33	1.36	1.41	1.42
175.5	1.34	1.27	1.27	1.29	1.37	1.36	1.37	1.32	1.39	1.40
176.0	1.33	1.33	1.29	1.35	1.31	1.30	1.31	1.39	1.41	1.38
176.5	1.31	1.36	1.35	1.35	1.38	1.35	1.41	1.37	1.42	1.39
177.0	1.31	1.39	1.36	1.33	1.40	1.36	1.41	1.40	1.39	1.37
177.5	1.38	1.36	1.43	1.33	1.37	1.36	1.36	1.36	1.48	1.40
178.0	1.31	1.39	1.34	1.33	1.39	1.39	1.37	1.37	1.40	1.36
178.5	1.34	1.39	1.37	1.35	1.34	1.42	1.45	1.34	1.38	1.37
179.0	1.34	1.33	1.45	1.39	1.42	1.39	1.35	1.39	1.42	1.43
179.5	1.40	1.40	1.34	1.43	1.41	1.38	1.38	1.41	1.43	1.44
180.0	1.32	1.44	1.37	1.38	1.35	1.43	1.41	1.39	1.36	1.42

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	5410.70	5410.70	5410.70	5410.70	5410.70	5410.70	5410.70
0.5	5437.42	5406.96	5405.43	5378.25	5380.43	5360.02	5450.66
1.0	5430.21	5396.04	5397.79	5369.08	5373.66	5353.47	5449.61
1.5	5420.72	5382.50	5387.53	5357.18	5366.90	5343.85	5444.38
2.0	5409.90	5368.53	5375.74	5341.67	5358.27	5332.94	5440.20
2.5	5395.50	5353.02	5361.87	5325.95	5345.06	5320.16	5433.92
3.0	5380.87	5333.59	5346.15	5308.48	5330.32	5303.78	5448.23
3.5	5364.39	5313.83	5329.66	5286.10	5312.52	5287.19	5436.66
4.0	5344.84	5289.81	5308.15	5262.95	5295.49	5268.74	5421.81
4.5	5324.86	5264.49	5285.45	5235.01	5276.38	5246.58	5406.31
5.0	5300.30	5237.09	5260.99	5208.58	5252.48	5224.42	5386.43
5.5	5276.05	5204.99	5231.73	5180.97	5229.12	5197.02	5366.68
6.0	5249.86	5173.97	5204.11	5146.36	5202.15	5170.05	5345.50
6.5	5218.63	5140.57	5173.11	5112.62	5169.62	5140.68	5320.61
7.0	5188.39	5100.61	5134.68	5077.25	5139.26	5106.07	5296.69
7.5	5155.53	5063.82	5099.08	5035.98	5107.05	5073.76	5270.16
8.0	5116.99	5020.59	5062.41	4996.02	5068.95	5039.58	5237.52
8.5	5080.42	4978.99	5018.40	4950.17	5033.03	4998.75	5207.06
9.0	5038.39	4935.65	4976.81	4905.73	4989.91	4960.43	5174.30
9.5	4996.79	4886.19	4929.20	4854.75	4949.29	4914.68	5135.88
10.0	4954.10	4839.57	4883.14	4806.82	4906.50	4871.56	5098.75
10.5	4904.75	4790.78	4835.86	4756.17	4856.17	4826.58	5054.65
11.0	4858.89	4734.00	4782.48	4698.63	4809.55	4773.52	5014.14
11.5	4811.08	4680.94	4730.62	4644.47	4754.75	4723.85	4971.79

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CANDELA TABULATION - (Cont.)

12.0	4754.75	4620.35	4675.48	4589.34	4702.23	4671.23	4919.49
12.5	4701.80	4563.46	4614.45	4524.17	4647.86	4610.96	4869.81
13.0	4642.08	4505.39	4557.79	4464.01	4585.85	4554.73	4818.94
13.5	4587.16	4438.47	4492.39	4402.11	4527.66	4490.43	4760.86
14.0	4530.60	4377.00	4432.46	4331.26	4468.81	4429.84	4706.71
14.5	4467.29	4313.34	4371.10	4265.75	4400.25	4367.71	4643.60
15.0	4407.89	4241.40	4299.15	4192.71	4337.03	4296.75	4585.09
15.5	4346.21	4176.22	4233.32	4126.00	4265.52	4231.79	4524.71
16.0	4275.24	4102.31	4167.16	4058.09	4199.47	4165.85	4455.92
16.5	4209.85	4033.63	4091.61	3980.25	4132.11	4092.05	4391.52
17.0	4136.26	3964.53	4022.40	3909.18	4055.80	4024.90	4324.70
17.5	4068.79	3887.13	3944.98	3838.21	3986.37	3949.02	4249.91
18.0	4000.89	3815.72	3873.70	3759.17	3916.82	3879.26	4181.90
18.5	3923.91	3743.99	3801.74	3687.87	3838.76	3808.84	4105.14
19.0	3853.72	3662.99	3722.81	3609.49	3768.67	3732.42	4034.95
19.5	3782.10	3591.69	3651.63	3539.50	3691.58	3663.64	3964.42
20.0	3701.74	3511.44	3580.99	3469.52	3621.60	3594.75	3886.14
20.5	3629.14	3438.74	3501.51	3390.04	3552.61	3517.56	3815.72
21.0	3557.09	3365.04	3430.44	3318.75	3474.22	3447.37	3744.98
21.5	3474.11	3282.95	3357.51	3246.81	3403.04	3368.32	3666.15
22.0	3399.76	3210.45	3276.50	3167.76	3331.42	3296.92	3594.86
22.5	3316.57	3137.96	3204.44	3097.23	3251.94	3225.84	3514.94
23.0	3243.31	3057.82	3125.41	3018.96	3180.43	3146.91	3442.34
23.5	3170.60	2987.40	3054.44	2948.75	3101.49	3076.38	3370.07
24.0	3091.23	2918.18	2984.78	2879.53	3031.62	2998.21	3290.47
24.5	3021.04	2842.42	2907.92	2805.30	2962.51	2928.78	3218.32
25.0	2943.08	2776.58	2840.34	2739.79	2885.54	2860.65	3145.93
25.5	2873.97	2705.63	2773.74	2675.38	2817.74	2786.52	3067.43
26.0	2807.38	2643.17	2701.69	2605.28	2751.26	2721.23	2997.99
26.5	2734.78	2581.38	2637.83	2543.27	2678.87	2656.82	2920.15
27.0	2670.90	2513.69	2568.71	2475.70	2614.78	2586.08	2851.26
27.5	2607.91	2453.53	2506.92	2416.85	2545.35	2523.95	2783.69
28.0	2540.55	2388.79	2446.11	2358.33	2483.89	2462.27	2709.55
28.5	2481.15	2332.46	2381.69	2295.56	2423.84	2396.22	2644.48
29.0	2423.18	2277.87	2325.25	2240.86	2359.09	2339.56	2581.05
29.5	2360.74	2218.69	2264.01	2188.57	2303.30	2278.64	2511.62
30.0	2305.71	2167.71	2210.29	2134.41	2248.72	2225.47	2451.13
30.5	2247.30	2119.45	2159.19	2089.11	2190.75	2174.59	2386.39
31.0	2196.54	2069.89	2106.25	2041.83	2142.60	2122.52	2330.71
31.5	2147.51	2028.95	2061.27	2002.52	2091.72	2078.52	2275.57
32.0	2096.09	1987.35	2019.99	1966.83	2049.14	2037.25	2217.39
32.5	2052.97	1952.85	1978.40	1930.47	2008.76	1994.89	2168.26
33.0	2013.44	1921.30	1944.77	1900.56	1968.14	1959.52	2123.49
33.5	1973.82	1888.66	1913.44	1872.07	1934.84	1926.98	2077.32
34.0	1941.60	1860.93	1880.36	1842.15	1901.22	1893.46	2038.55
34.5	1907.87	1835.27	1853.18	1817.91	1872.28	1865.62	2002.64
35.0	1879.49	1809.29	1824.79	1792.59	1844.88	1836.36	1965.74
35.5	1852.85	1786.90	1801.20	1770.09	1817.15	1811.36	1935.38
36.0	1825.45	1765.18	1778.39	1748.37	1793.45	1787.56	1903.51
36.5	1802.41	1742.36	1753.82	1725.22	1770.09	1762.67	1876.43
37.0	1780.47	1722.50	1732.64	1704.91	1745.41	1740.83	1850.89
37.5	1757.10	1700.99	1711.91	1684.72	1723.91	1719.33	1824.03
38.0	1737.12	1681.88	1690.18	1662.22	1703.38	1696.40	1801.10
38.5	1714.85	1661.68	1670.42	1642.46	1680.78	1675.55	1776.21
39.0	1695.53	1639.52	1648.58	1622.05	1660.26	1652.19	1755.03
39.5	1676.21	1619.21	1628.82	1598.03	1637.89	1631.98	1734.61

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40.0	1653.49	1597.70	1608.08	1575.22	1617.68	1612.22	1712.88
40.5	1632.10	1571.28	1583.40	1549.01	1596.83	1589.52	1693.12
41.0	1606.22	1545.95	1560.47	1523.90	1571.83	1568.11	1672.81
41.5	1581.77	1515.27	1535.69	1497.04	1548.46	1544.97	1650.11
42.0	1555.78	1484.82	1505.89	1464.51	1524.01	1517.68	1629.91
42.5	1524.89	1450.87	1476.52	1432.19	1495.51	1491.04	1606.22
43.0	1494.53	1409.60	1441.47	1397.26	1467.68	1459.27	1583.62
43.5	1462.10	1370.51	1406.97	1356.21	1437.54	1428.27	1559.17
44.0	1423.14	1330.12	1370.40	1317.02	1400.86	1394.31	1529.36
44.5	1385.13	1283.93	1326.73	1271.37	1365.49	1353.69	1499.88
45.0	1340.49	1240.37	1285.02	1228.14	1323.78	1314.83	1468.11
45.5	1298.46	1189.06	1241.79	1183.05	1284.16	1273.88	1430.12
46.0	1254.45	1141.02	1191.57	1130.54	1242.12	1227.16	1393.22
46.5	1203.80	1092.32	1144.30	1082.61	1192.66	1183.27	1354.46
47.0	1156.85	1037.31	1090.58	1027.92	1147.02	1132.51	1309.15
47.5	1108.92	987.52	1042.11	978.24	1100.41	1085.01	1265.37
48.0	1054.77	937.19	993.08	928.45	1048.11	1036.22	1214.94
48.5	1005.32	880.41	937.30	872.23	999.96	981.63	1168.09
49.0	949.42	828.99	887.29	821.79	945.27	932.06	1119.51
49.5	899.09	772.56	837.51	771.46	895.82	883.26	1065.25
50.0	847.88	721.35	781.61	715.23	845.26	827.90	1015.47
50.5	791.00	669.93	731.28	664.03	789.58	778.33	965.35
51.0	739.37	613.81	674.62	613.92	739.04	722.55	908.80
51.5	687.95	567.41	624.40	565.45	688.59	672.44	857.71
52.0	632.16	509.82	574.83	510.66	632.92	622.98	800.93
52.5	582.59	463.03	521.12	458.44	584.22	571.45	749.96
53.0	534.76	417.58	474.07	412.90	531.05	515.10	699.08
53.5	481.93	368.94	413.50	368.73	483.67	474.46	642.96
54.0	419.72	327.31	379.18	322.07	417.89	424.31	592.96
54.5	388.44	287.39	336.68	282.44	388.74	380.30	557.36
55.0	346.33	245.51	292.61	241.03	346.36	333.37	489.64
55.5	306.06	210.44	255.62	206.52	301.46	292.63	443.67
56.0	263.36	178.59	219.82	175.04	262.88	254.29	393.22
56.5	227.63	147.39	183.39	143.68	226.84	214.74	348.86
57.0	191.31	123.20	154.94	119.09	190.11	182.08	307.00
57.5	162.14	102.15	130.06	98.34	160.76	152.57	263.79
58.0	136.17	83.71	106.53	80.93	135.19	124.77	227.56
58.5	111.63	71.92	89.24	69.37	110.78	103.44	190.21
59.0	93.98	63.36	75.98	60.08	92.46	86.11	160.12
59.5	79.46	57.86	65.84	55.39	77.19	71.81	133.95
60.0	69.48	54.59	59.82	50.77	67.55	63.62	109.42
60.5	62.33	51.49	55.45	48.60	60.27	56.97	90.83
61.0	56.78	49.80	52.84	47.15	54.29	54.29	76.08
61.5	54.09	48.25	51.04	45.83	51.21	49.94	65.22
62.0	52.36	46.53	49.27	44.43	49.53	48.11	59.06
62.5	50.54	45.00	47.74	43.26	48.00	46.78	55.04
63.0	49.08	43.47	46.32	41.88	46.68	45.46	51.03
63.5	47.41	42.23	44.88	40.72	45.45	44.34	48.90
64.0	46.02	41.11	43.73	39.68	44.12	43.22	47.07
64.5	44.69	39.97	42.58	38.63	43.05	42.00	45.56
65.0	43.39	38.98	41.59	37.73	41.89	40.96	44.17
65.5	42.26	37.99	38.92	36.81	38.14	39.95	42.88
66.0	41.14	36.82	39.44	35.66	39.66	38.90	41.85
66.5	39.67	35.68	38.36	34.59	38.88	37.94	40.80
67.0	38.96	34.37	37.08	33.40	37.94	36.79	39.89
67.5	37.79	33.01	35.84	32.06	36.94	35.61	38.98

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CANDELA TABULATION - (Cont.)

68.0	36.62	31.62	34.65	30.88	35.76	34.41	37.87
68.5	35.48	30.18	33.35	29.51	34.57	33.09	36.84
69.0	34.05	28.87	32.11	28.18	33.14	31.74	35.78
69.5	32.65	27.38	30.74	26.86	31.78	30.37	34.42
70.0	31.28	25.94	29.05	25.26	30.38	29.05	33.10
70.5	29.76	24.47	27.58	23.94	28.90	27.82	31.67
71.0	28.32	23.09	26.15	22.56	27.54	26.49	30.41
71.5	26.79	21.98	24.79	21.44	26.27	24.97	29.18
72.0	25.54	20.93	23.68	20.28	24.78	23.62	27.72
72.5	24.29	19.54	22.39	18.87	23.32	22.14	26.26
73.0	22.86	18.16	21.17	17.66	21.78	20.92	25.01
73.5	21.54	16.85	19.92	16.48	20.61	19.71	23.68
74.0	20.30	15.48	18.55	15.18	19.56	18.28	22.54
74.5	19.00	14.39	17.31	13.92	18.13	17.03	21.15
75.0	17.63	13.11	15.95	12.71	16.67	15.84	19.81
75.5	15.83	11.99	14.79	11.39	15.32	14.60	18.45
76.0	14.49	10.89	13.75	10.40	14.03	13.27	17.09
76.5	13.36	9.72	12.66	9.47	12.89	11.80	16.04
77.0	12.38	8.79	11.67	8.50	11.48	10.69	15.04
77.5	11.25	7.77	10.51	7.38	10.32	9.69	13.84
78.0	10.04	6.50	9.21	6.21	9.35	8.62	12.73
78.5	8.78	5.49	8.09	5.30	8.41	7.60	11.57
79.0	7.81	4.69	6.97	4.53	7.44	6.59	10.33
79.5	6.80	4.06	6.01	3.95	6.37	5.59	9.23
80.0	5.82	3.54	5.07	3.31	5.36	4.72	8.08
80.5	4.97	2.78	4.15	2.70	4.59	3.97	7.18
81.0	4.20	2.09	3.16	2.03	3.95	3.47	6.24
81.5	3.35	1.62	2.47	1.42	3.05	2.89	5.14
82.0	2.69	1.00	1.80	0.82	2.42	2.14	4.23
82.5	2.07	0.57	1.39	0.40	1.79	1.63	3.63
83.0	1.60	0.30	0.97	0.14	1.20	1.06	3.02
83.5	1.05	0.10	0.75	0.05	0.81	0.50	2.16
84.0	0.67	0.02	0.48	0.02	0.48	0.16	1.52
84.5	0.52	0.00	0.31	0.00	0.26	0.01	1.21
85.0	0.28	0.00	0.22	0.00	0.24	0.00	0.71
85.5	0.26	0.00	0.19	0.00	0.17	0.00	0.39
86.0	0.17	0.00	0.12	0.00	0.10	0.00	0.21
86.5	0.11	0.00	0.15	0.00	0.08	0.00	0.05
87.0	0.09	0.00	0.08	0.00	0.13	0.00	0.04
87.5	0.12	0.00	0.11	0.00	0.15	0.00	0.00
88.0	0.13	0.00	0.09	0.00	0.13	0.00	0.00
88.5	0.11	0.00	0.08	0.00	0.07	0.00	0.00
89.0	0.08	0.00	0.11	0.00	0.07	0.00	0.00
89.5	0.09	0.00	0.07	0.00	0.08	0.00	0.00
90.0	0.11	0.00	0.06	0.00	0.08	0.00	0.00
90.5	0.13	0.00	0.07	0.00	0.05	0.00	0.00
91.0	0.09	0.00	0.06	0.00	0.05	0.00	0.00
91.5	0.06	0.00	0.07	0.00	0.07	0.00	0.00
92.0	0.07	0.00	0.05	0.00	0.07	0.00	0.00
92.5	0.03	0.00	0.06	0.00	0.05	0.00	0.00
93.0	0.06	0.00	0.09	0.00	0.05	0.00	0.00
93.5	0.05	0.00	0.04	0.00	0.07	0.00	0.00
94.0	0.05	0.00	0.05	0.00	0.05	0.00	0.00
94.5	0.04	0.00	0.04	0.00	0.05	0.00	0.00
95.0	0.05	0.00	0.04	0.00	0.03	0.00	0.00
95.5	0.08	0.00	0.02	0.00	0.05	0.00	0.00

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CANDELA TABULATION - (Cont.)

96.0	0.05	0.00	0.05	0.00	0.04	0.00	0.00
96.5	0.06	0.00	0.04	0.00	0.04	0.00	0.00
97.0	0.08	0.00	0.04	0.00	0.05	0.00	0.00
97.5	0.04	0.00	0.05	0.00	0.03	0.00	0.00
98.0	0.06	0.00	0.06	0.00	0.05	0.00	0.00
98.5	0.07	0.00	0.07	0.00	0.02	0.00	0.00
99.0	0.04	0.00	0.04	0.00	0.01	0.00	0.00
99.5	0.05	0.00	0.03	0.00	0.06	0.00	0.00
100.0	0.05	0.00	0.07	0.00	0.05	0.00	0.00
100.5	0.05	0.00	0.04	0.00	0.02	0.00	0.00
101.0	0.04	0.00	0.06	0.00	0.08	0.00	0.00
101.5	0.07	0.00	0.01	0.00	0.05	0.00	0.00
102.0	0.10	0.00	0.03	0.00	0.02	0.00	0.00
102.5	0.05	0.00	0.04	0.00	0.02	0.00	0.00
103.0	0.02	0.00	0.05	0.00	0.05	0.00	0.00
103.5	0.05	0.00	0.02	0.00	0.03	0.00	0.00
104.0	0.05	0.00	0.06	0.00	0.03	0.00	0.00
104.5	0.05	0.00	0.04	0.00	0.04	0.00	0.00
105.0	0.05	0.00	0.03	0.00	0.05	0.00	0.00
105.5	0.02	0.00	0.05	0.00	0.03	0.00	0.00
106.0	0.05	0.01	0.05	0.00	0.03	0.00	0.00
106.5	0.03	0.00	0.03	0.01	0.03	0.00	0.00
107.0	0.04	0.00	0.07	0.00	0.06	0.00	0.00
107.5	0.02	0.00	0.04	0.00	0.04	0.00	0.00
108.0	0.03	0.00	0.05	0.00	0.03	0.00	0.00
108.5	0.05	0.01	0.08	0.01	0.05	0.01	0.00
109.0	0.05	0.00	0.06	0.00	0.06	0.00	0.00
109.5	0.07	0.02	0.04	0.00	0.06	0.02	0.00
110.0	0.08	0.02	0.06	0.00	0.05	0.01	0.00
110.5	0.08	0.03	0.04	0.01	0.07	0.01	0.00
111.0	0.03	0.00	0.06	0.01	0.08	0.00	0.00
111.5	0.05	0.00	0.07	0.02	0.05	0.00	0.00
112.0	0.09	0.01	0.08	0.02	0.06	0.00	0.00
112.5	0.08	0.02	0.07	0.00	0.08	0.00	0.00
113.0	0.07	0.02	0.04	0.05	0.08	0.01	0.00
113.5	0.06	0.04	0.11	0.03	0.05	0.03	0.00
114.0	0.10	0.03	0.11	0.01	0.07	0.01	0.00
114.5	0.06	0.03	0.06	0.01	0.08	0.05	0.00
115.0	0.11	0.06	0.06	0.05	0.06	0.02	0.00
115.5	0.09	0.02	0.09	0.02	0.06	0.07	0.00
116.0	0.09	0.03	0.11	0.03	0.09	0.02	0.00
116.5	0.08	0.06	0.12	0.03	0.09	0.06	0.00
117.0	0.09	0.08	0.11	0.06	0.09	0.03	0.02
117.5	0.12	0.04	0.14	0.03	0.07	0.04	0.00
118.0	0.12	0.06	0.10	0.07	0.11	0.04	0.01
118.5	0.13	0.07	0.12	0.03	0.11	0.05	0.00
119.0	0.11	0.10	0.16	0.06	0.12	0.05	0.00
119.5	0.10	0.10	0.15	0.07	0.14	0.06	0.00
120.0	0.12	0.07	0.21	0.11	0.14	0.07	0.02
120.5	0.12	0.07	0.14	0.10	0.16	0.08	0.01
121.0	0.11	0.09	0.12	0.12	0.15	0.09	0.00
121.5	0.13	0.12	0.17	0.09	0.16	0.10	0.02
122.0	0.17	0.09	0.17	0.12	0.23	0.10	0.01
122.5	0.19	0.12	0.21	0.15	0.15	0.13	0.04
123.0	0.17	0.12	0.17	0.19	0.20	0.10	0.04
123.5	0.20	0.14	0.17	0.15	0.16	0.14	0.04

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CANDELA TABULATION - (Cont.)

124.0	0.17	0.13	0.20	0.15	0.21	0.12	0.07
124.5	0.21	0.14	0.20	0.14	0.21	0.19	0.00
125.0	0.19	0.15	0.24	0.17	0.20	0.19	0.03
125.5	0.20	0.21	0.29	0.12	0.26	0.13	0.03
126.0	0.21	0.14	0.24	0.16	0.27	0.16	0.06
126.5	0.22	0.20	0.32	0.20	0.26	0.22	0.06
127.0	0.27	0.22	0.28	0.23	0.27	0.17	0.06
127.5	0.28	0.19	0.23	0.24	0.29	0.17	0.04
128.0	0.28	0.24	0.31	0.25	0.29	0.22	0.07
128.5	0.30	0.26	0.29	0.26	0.24	0.22	0.06
129.0	0.28	0.25	0.32	0.25	0.29	0.26	0.08
129.5	0.31	0.27	0.36	0.24	0.32	0.24	0.08
130.0	0.31	0.30	0.34	0.23	0.36	0.26	0.12
130.5	0.35	0.26	0.31	0.32	0.35	0.31	0.10
131.0	0.33	0.29	0.36	0.29	0.40	0.28	0.11
131.5	0.34	0.30	0.35	0.35	0.33	0.29	0.15
132.0	0.38	0.35	0.41	0.28	0.40	0.34	0.12
132.5	0.37	0.31	0.42	0.39	0.42	0.29	0.10
133.0	0.44	0.36	0.43	0.34	0.42	0.39	0.12
133.5	0.38	0.41	0.42	0.38	0.46	0.34	0.15
134.0	0.45	0.37	0.44	0.39	0.45	0.37	0.14
134.5	0.45	0.35	0.43	0.36	0.42	0.42	0.14
135.0	0.47	0.42	0.48	0.44	0.47	0.39	0.16
135.5	0.44	0.47	0.46	0.42	0.48	0.42	0.19
136.0	0.44	0.43	0.50	0.41	0.52	0.45	0.19
136.5	0.54	0.44	0.53	0.44	0.53	0.49	0.20
137.0	0.51	0.48	0.54	0.50	0.54	0.46	0.15
137.5	0.52	0.53	0.52	0.50	0.57	0.49	0.19
138.0	0.52	0.48	0.54	0.53	0.51	0.49	0.20
138.5	0.57	0.51	0.57	0.52	0.60	0.52	0.25
139.0	0.60	0.58	0.61	0.60	0.59	0.52	0.27
139.5	0.59	0.56	0.59	0.57	0.59	0.60	0.24
140.0	0.64	0.59	0.65	0.68	0.60	0.56	0.32
140.5	0.58	0.65	0.68	0.57	0.65	0.57	0.26
141.0	0.71	0.62	0.63	0.66	0.66	0.61	0.31
141.5	0.65	0.66	0.70	0.67	0.70	0.58	0.27
142.0	0.69	0.67	0.71	0.70	0.65	0.64	0.33
142.5	0.72	0.66	0.76	0.67	0.71	0.69	0.34
143.0	0.72	0.72	0.70	0.74	0.73	0.71	0.36
143.5	0.77	0.66	0.71	0.81	0.76	0.71	0.37
144.0	0.76	0.68	0.81	0.71	0.78	0.76	0.36
144.5	0.74	0.75	0.74	0.78	0.80	0.78	0.38
145.0	0.78	0.74	0.77	0.79	0.82	0.79	0.37
145.5	0.82	0.77	0.83	0.84	0.80	0.79	0.40
146.0	0.83	0.81	0.83	0.85	0.82	0.76	0.46
146.5	0.84	0.80	0.89	0.86	0.82	0.84	0.42
147.0	0.88	0.83	0.86	0.84	0.88	0.76	0.47
147.5	0.92	0.82	0.94	0.89	0.89	0.83	0.48
148.0	0.90	0.88	0.93	0.87	0.89	0.89	0.53
148.5	0.90	0.95	0.94	0.93	0.90	0.87	0.53
149.0	0.86	0.94	0.95	0.90	0.97	0.89	0.56
149.5	0.92	0.95	0.95	0.99	0.96	0.95	0.56
150.0	1.00	0.97	0.94	0.98	0.95	0.98	0.62
150.5	0.94	0.95	0.94	1.00	1.00	0.98	0.60
151.0	0.97	1.01	1.00	1.02	1.07	1.04	0.70
151.5	0.99	1.03	1.00	0.99	1.03	1.04	0.65

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CANDELA TABULATION - (Cont.)

152.0	1.00	0.99	1.06	1.01	1.05	1.00	0.64
152.5	1.00	1.04	1.08	1.09	1.09	1.03	0.62
153.0	1.07	1.03	1.09	1.01	1.03	1.07	0.70
153.5	1.06	1.03	1.03	1.11	1.09	1.10	0.68
154.0	1.04	1.11	1.11	1.12	1.14	1.06	0.72
154.5	1.11	1.10	1.14	1.08	1.07	1.11	0.74
155.0	1.13	1.12	1.12	1.09	1.13	1.11	0.72
155.5	1.15	1.14	1.13	1.16	1.21	1.06	0.77
156.0	1.19	1.11	1.16	1.15	1.13	1.08	0.80
156.5	1.15	1.13	1.13	1.16	1.16	1.07	0.82
157.0	1.19	1.15	1.25	1.16	1.17	1.20	0.83
157.5	1.17	1.12	1.22	1.21	1.17	1.14	0.85
158.0	1.22	1.20	1.17	1.16	1.21	1.18	0.84
158.5	1.16	1.16	1.18	1.29	1.20	1.19	0.89
159.0	1.14	1.24	1.24	1.22	1.21	1.22	0.90
159.5	1.18	1.18	1.25	1.24	1.34	1.18	0.88
160.0	1.23	1.19	1.22	1.24	1.22	1.23	0.98
160.5	1.21	1.19	1.24	1.24	1.23	1.25	0.96
161.0	1.25	1.26	1.25	1.35	1.25	1.27	0.98
161.5	1.32	1.24	1.26	1.27	1.24	1.32	1.03
162.0	1.22	1.21	1.27	1.26	1.25	1.29	0.96
162.5	1.29	1.31	1.22	1.27	1.26	1.32	1.01
163.0	1.26	1.29	1.31	1.27	1.29	1.31	1.01
163.5	1.30	1.23	1.29	1.34	1.34	1.33	1.02
164.0	1.26	1.26	1.39	1.31	1.33	1.35	1.06
164.5	1.30	1.30	1.32	1.38	1.34	1.37	1.10
165.0	1.30	1.30	1.30	1.31	1.39	1.34	1.16
165.5	1.35	1.27	1.34	1.36	1.35	1.38	1.07
166.0	1.33	1.37	1.30	1.42	1.36	1.34	1.06
166.5	1.29	1.36	1.35	1.38	1.37	1.35	1.20
167.0	1.37	1.35	1.38	1.33	1.39	1.35	1.13
167.5	1.40	1.34	1.30	1.39	1.35	1.37	1.16
168.0	1.35	1.38	1.38	1.42	1.45	1.39	1.17
168.5	1.44	1.31	1.32	1.40	1.38	1.34	1.21
169.0	1.33	1.44	1.39	1.41	1.42	1.43	1.20
169.5	1.39	1.38	1.40	1.46	1.40	1.44	1.24
170.0	1.38	1.38	1.39	1.45	1.43	1.43	1.25
170.5	1.42	1.39	1.45	1.37	1.43	1.48	1.25
171.0	1.36	1.39	1.40	1.43	1.46	1.38	1.29
171.5	1.43	1.40	1.42	1.36	1.39	1.35	1.27
172.0	1.38	1.38	1.41	1.40	1.42	1.43	1.30
172.5	1.40	1.35	1.39	1.41	1.40	1.42	1.22
173.0	1.32	1.43	1.37	1.38	1.49	1.39	1.29
173.5	1.40	1.42	1.43	1.42	1.46	1.44	1.35
174.0	1.38	1.41	1.42	1.50	1.46	1.47	1.29
174.5	1.41	1.40	1.41	1.43	1.44	1.42	1.41
175.0	1.35	1.38	1.45	1.42	1.45	1.40	1.38
175.5	1.38	1.44	1.42	1.37	1.49	1.41	1.34
176.0	1.44	1.42	1.43	1.46	1.44	1.41	1.33
176.5	1.41	1.37	1.40	1.42	1.42	1.44	1.31
177.0	1.39	1.45	1.41	1.37	1.44	1.42	1.31
177.5	1.39	1.39	1.41	1.39	1.42	1.47	1.38
178.0	1.45	1.40	1.44	1.39	1.46	1.41	1.31
178.5	1.43	1.38	1.40	1.37	1.47	1.41	1.34
179.0	1.39	1.40	1.40	1.39	1.49	1.41	1.34
179.5	1.37	1.39	1.34	1.37	1.43	1.37	1.40

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CANDELA TABULATION - (Cont.)

180.0	1.36	1.41	1.42	1.35	1.39	1.41	1.32

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PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-60DB-50K.IES

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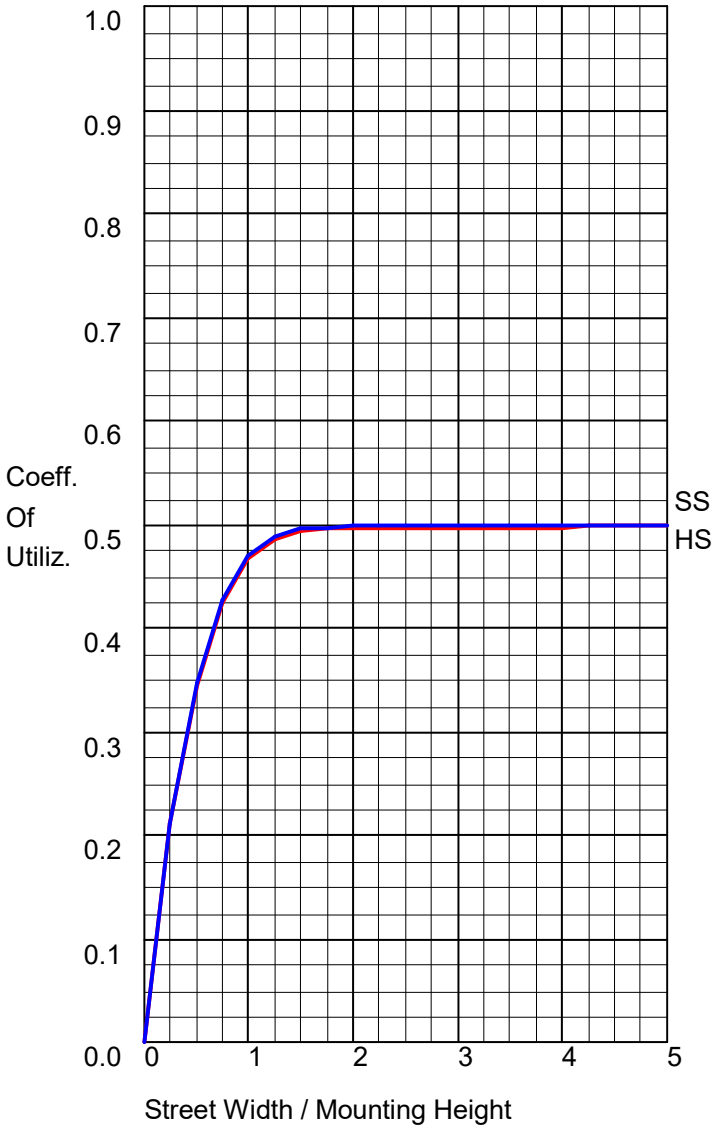

FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	3019.0	49.9
Downward House Side	3033.6	50.1
Downward Total	6052.6	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.9	0.0
Upward Total	1.7	0.0
Total Flux	6054.3	100.0

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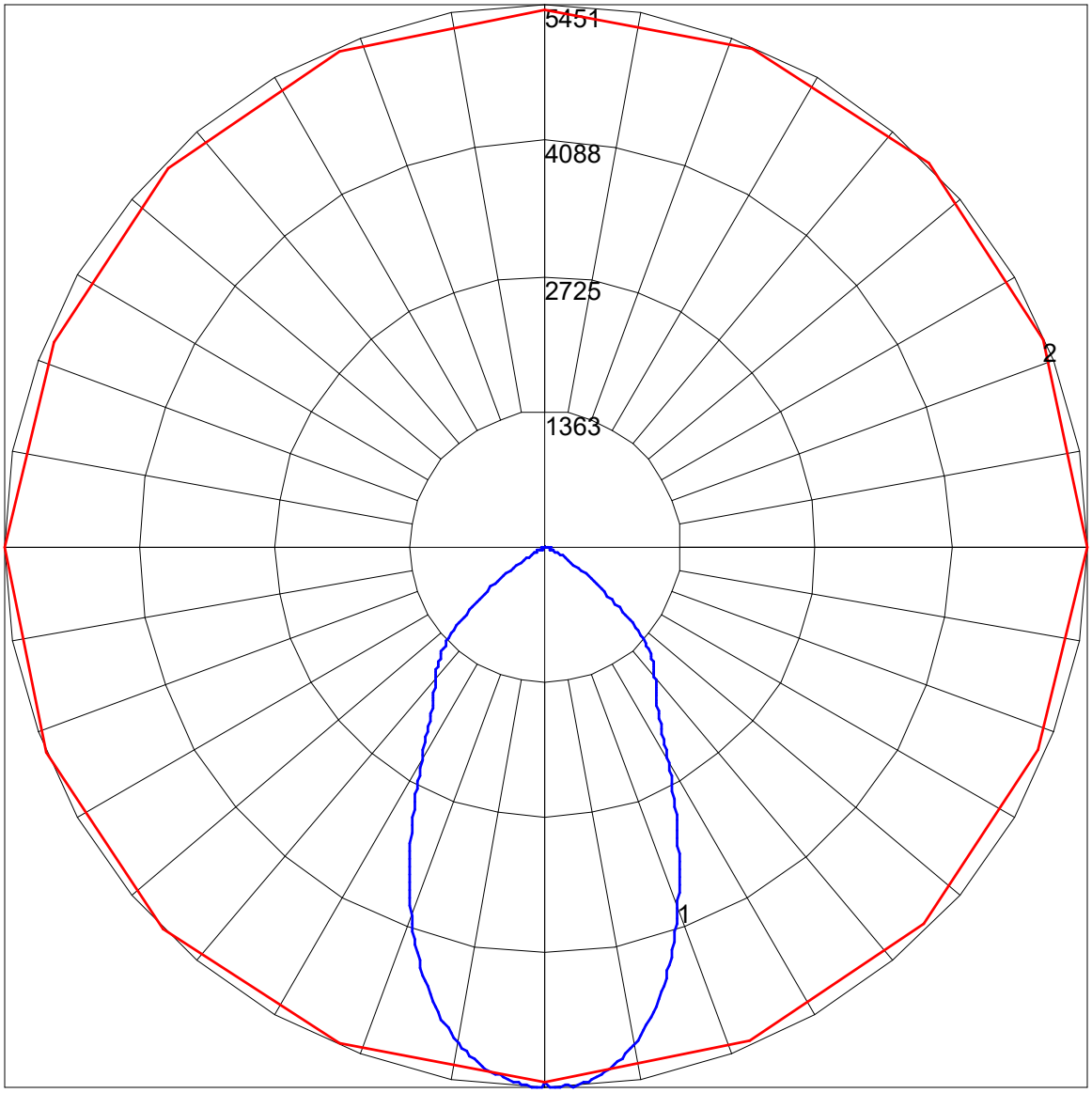
IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-60DB-50K.IES

POLAR GRAPH



Maximum Candela = 5450.66 Located At Horizontal Angle = 360, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)

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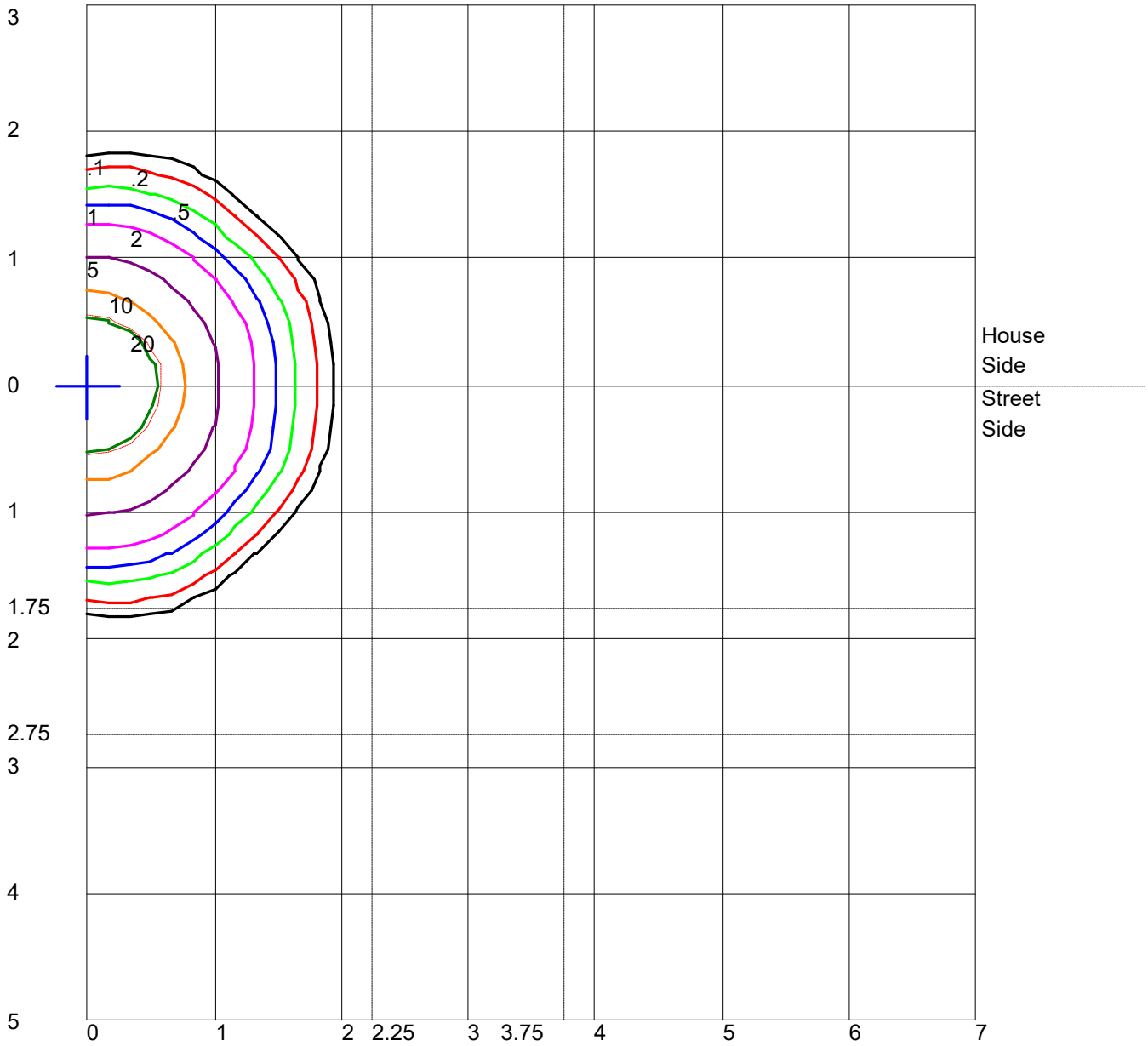
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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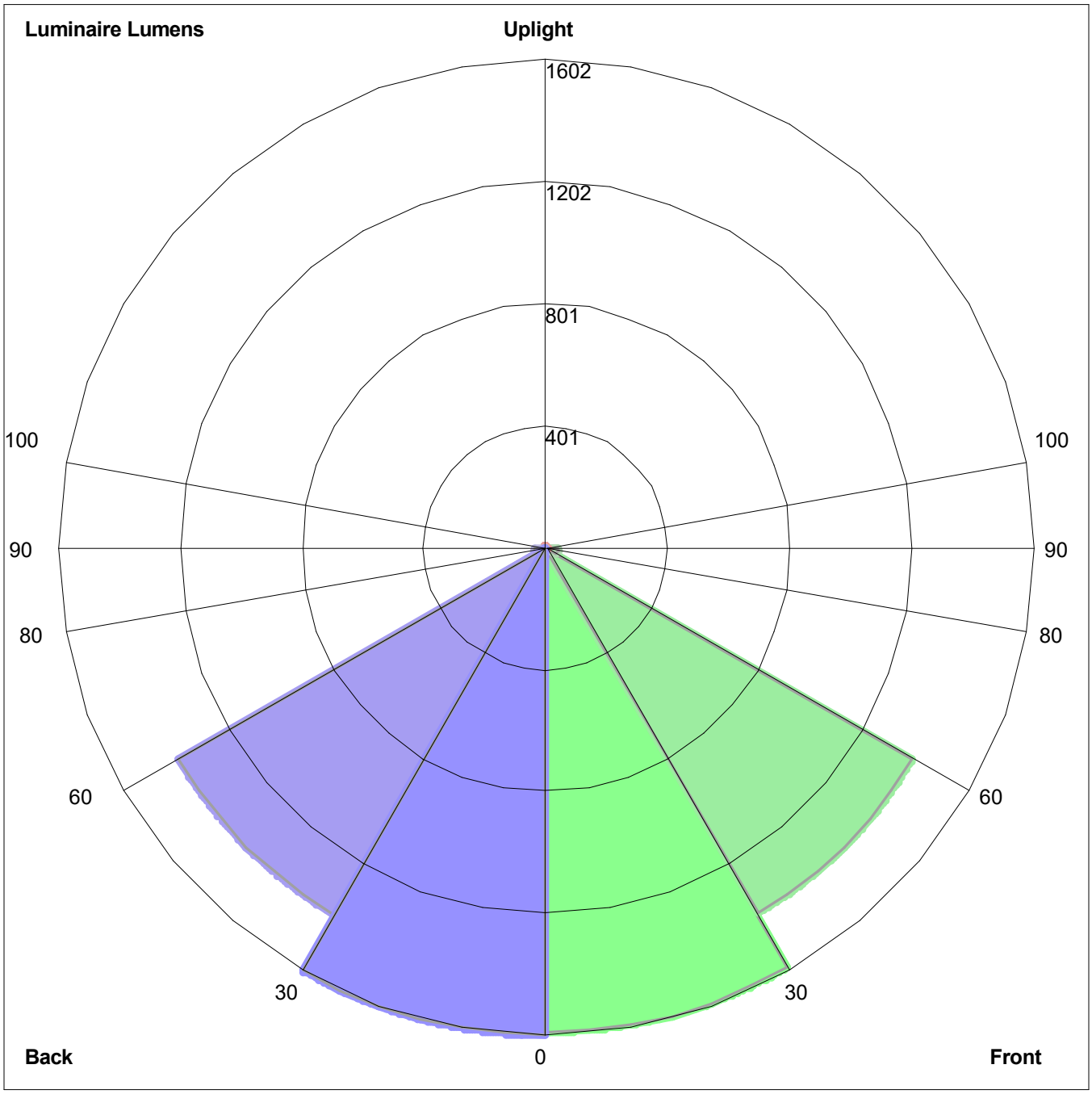
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1591.0, Medium=1387.8, High=38.9, Very High=1.3
Back: Low=1602.1, Medium=1389.7, High=40.4, Very High=1.5
Uplight: Low=0.0, High=1.6

BUG Rating : B3-U1-G0

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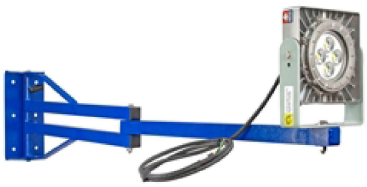
IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-125DB-50K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 173032
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 06-10-2017
[ISSUEDATE] 06-10-2017
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] EPL-SBDL-V2-50RT-24-1227-125DB-50K
[MORE] IRON X SERIES
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED DOCK LIGHT, LOW PROFILE
[MORE] 125 DEGREE BEAM, 120-277V AC 50/60 HZ, 5000K
[LAMP] CREE CXB1512
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-R5000 V2
[_SEARCH _SOURCETYPE] LED
[_SEARCH_APPLICATION] INDOOR, OUTDOOR, HARBOR, INDUSTRIAL, WATER TREATMENT, OIL FIELD, REFINERY, HIGH
[_SEARCH _MOUNTING] CEILING, SURFACE
[_SEARCH _CERTIFICATION] NEC, UL
[_SEARCH_COLORTEMP] 5000K
[_SEARCH_CRI] 85
[_SEARCH _CLASSIFICATION] CLASS I, CLASS II, DIVISION 1, DIVISION 2, GROUP C, GROUP D, GROUP E, GROUP F, GR

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	6257.03 (1 lamp)
Total Lamp Lumens	6257.03
Luminaire Lumens	6257
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	48.66
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3074.64
Maximum Candela Angle	180H 1V
Maximum Candela (<90 Degrees Vertical)	3074.64
Maximum Candela Angle (<90 Degrees Vertical)	180H 1V
Maximum Candela At 90 Degrees Vertical	.32 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	61.3 (1.0% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1160.6	18.5	18.5
FM - Front-Medium (30-60)	1730.7	27.7	27.7
FH - Front-High (60-80)	183.0	2.9	2.9
FVH - Front-Very High (80-90)	4.1	0.1	0.1
BL - Back-Low (0-30)	1169.4	18.7	18.7
BM - Back-Medium (30-60)	1804.7	28.8	28.8
BH - Back-High (60-80)	197.1	3.2	3.2
BVH - Back-Very High (80-90)	5.8	0.1	0.1
UL - Uplight-Low (90-100)	0.1	0.0	0.0
UH - Uplight-High (100-180)	1.5	0.0	0.0
Total	6257.0	100.0	100.0
BUG Rating	B3-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	3042.84	3042.84	3042.84	3042.84	3042.84	3042.84	3042.84	3042.84	3042.84	3042.84
0.5	3073.87	3062.95	3051.49	3044.18	3035.77	3029.76	3023.21	3017.31	3074.64	3063.72
1.0	3073.10	3062.51	3050.29	3043.19	3034.46	3029.11	3022.45	3017.10	3074.64	3063.83
1.5	3072.23	3061.32	3048.54	3041.99	3032.72	3028.02	3021.25	3016.88	3074.52	3063.61
2.0	3071.14	3060.22	3046.69	3040.03	3030.75	3026.93	3020.26	3016.45	3074.20	3063.28
2.5	3069.50	3058.70	3044.50	3038.18	3028.23	3025.39	3018.63	3015.58	3073.43	3062.30
3.0	3067.97	3056.41	3041.89	3035.77	3025.51	3023.21	3016.45	3014.48	3072.23	3061.21
3.5	3065.36	3054.33	3039.15	3033.03	3022.13	3020.92	3014.16	3013.06	3071.04	3060.00
4.0	3062.41	3051.71	3035.77	3030.31	3018.96	3018.52	3011.31	3011.31	3069.39	3058.37
4.5	3059.79	3048.65	3031.62	3026.81	3015.13	3015.46	3008.47	3009.46	3067.54	3056.41
5.0	3056.08	3045.70	3027.90	3022.89	3010.66	3012.51	3005.09	3006.95	3065.13	3054.22
5.5	3052.25	3041.56	3023.10	3018.96	3006.40	3008.70	3001.38	3004.21	3062.74	3051.71
6.0	3048.44	3037.73	3018.63	3014.04	3001.92	3004.11	2997.02	3000.94	3059.57	3048.77
6.5	3043.85	3033.59	3013.50	3009.57	2996.46	3000.17	2992.98	2997.88	3056.41	3045.92
7.0	3039.27	3028.35	3007.93	3004.11	2991.11	2995.48	2987.73	2994.17	3053.02	3042.21
7.5	3034.02	3023.21	3002.58	2998.87	2985.00	2989.91	2983.03	2989.70	3048.98	3038.72
8.0	3028.89	3017.97	2996.46	2993.08	2979.00	2984.68	2977.90	2985.55	3044.61	3034.24
8.5	3023.54	3011.97	2989.48	2986.86	2972.67	2978.45	2971.68	2981.07	3040.14	3029.76
9.0	3017.21	3006.18	2983.03	2980.85	2965.68	2972.77	2965.79	2975.61	3034.78	3025.07
9.5	3011.09	2999.96	2975.39	2974.19	2958.91	2966.77	2959.67	2970.48	3029.65	3019.17
10.0	3004.76	2992.75	2968.63	2966.99	2951.49	2959.67	2952.58	2964.47	3024.19	3013.93
10.5	2997.34	2986.10	2960.98	2960.11	2944.06	2953.12	2946.03	2958.70	3017.76	3007.82
11.0	2990.46	2978.34	2953.01	2951.70	2936.86	2945.59	2938.49	2952.36	3011.75	3001.92
11.5	2983.03	2970.92	2945.15	2944.28	2927.80	2938.60	2931.28	2945.15	3004.33	2995.37
12.0	2974.63	2963.60	2936.97	2936.31	2919.50	2931.07	2923.76	2938.39	2997.78	2988.06
12.5	2966.77	2954.76	2927.80	2927.47	2911.31	2922.44	2915.02	2931.40	2990.46	2981.07
13.0	2957.60	2946.79	2919.27	2918.63	2901.81	2914.47	2907.38	2923.21	2982.27	2973.76
13.5	2949.41	2938.71	2909.13	2910.43	2893.08	2906.39	2899.30	2915.89	2974.74	2965.46
14.0	2941.00	2929.32	2900.28	2900.61	2884.45	2897.00	2890.13	2907.16	2966.22	2957.60
14.5	2931.18	2920.05	2890.67	2891.66	2873.86	2888.38	2881.40	2899.41	2958.47	2949.63
15.0	2922.01	2911.42	2880.41	2882.70	2864.47	2878.44	2871.57	2891.11	2950.50	2940.57
15.5	2912.40	2901.16	2870.91	2872.01	2853.55	2869.60	2862.72	2882.05	2941.23	2932.16
16.0	2902.03	2891.77	2860.76	2862.29	2843.62	2860.22	2853.22	2873.10	2932.49	2922.44
16.5	2892.53	2880.85	2849.18	2851.26	2833.14	2849.41	2842.63	2864.26	2923.43	2913.17
17.0	2881.61	2870.69	2838.49	2840.78	2821.45	2839.25	2832.59	2853.99	2912.84	2903.78
17.5	2871.35	2860.65	2826.37	2829.98	2810.43	2828.99	2822.33	2844.60	2903.34	2892.96
18.0	2860.76	2848.97	2815.02	2817.97	2798.85	2816.98	2810.43	2833.57	2892.20	2883.14
18.5	2848.86	2838.60	2803.66	2806.93	2785.65	2806.17	2799.62	2823.64	2882.27	2872.88
19.0	2838.05	2826.15	2790.55	2795.37	2773.86	2794.92	2786.84	2813.05	2872.01	2861.19
19.5	2825.61	2814.69	2778.11	2781.94	2759.88	2782.04	2775.16	2801.59	2860.22	2850.71
20.0	2814.25	2803.55	2765.89	2769.70	2746.89	2769.93	2763.05	2790.45	2848.86	2838.60
20.5	2802.25	2790.12	2751.37	2755.40	2733.67	2756.27	2749.40	2778.00	2837.62	2827.46
21.0	2788.70	2777.57	2738.04	2742.30	2718.40	2743.50	2736.63	2765.99	2824.85	2815.67
21.5	2775.93	2764.57	2722.54	2728.99	2704.21	2730.19	2723.31	2754.09	2812.51	2802.46
22.0	2762.61	2749.62	2707.81	2713.15	2689.35	2715.01	2707.92	2740.34	2798.42	2790.01
22.5	2747.43	2735.97	2692.85	2698.85	2671.99	2700.71	2693.62	2727.35	2785.75	2777.46
23.0	2733.13	2719.93	2675.71	2683.57	2655.73	2686.18	2678.54	2713.81	2772.22	2762.72
23.5	2718.73	2705.30	2659.33	2666.20	2639.25	2668.94	2661.19	2698.75	2756.82	2749.08
24.0	2702.13	2690.34	2642.96	2649.72	2620.69	2653.11	2645.14	2684.55	2742.63	2734.88
24.5	2687.06	2672.44	2623.96	2633.13	2603.32	2634.66	2626.91	2669.48	2727.45	2718.94
25.0	2668.83	2656.27	2606.49	2614.35	2584.10	2618.06	2609.87	2652.56	2710.64	2704.42
25.5	2652.02	2639.35	2588.92	2596.67	2566.42	2601.03	2592.30	2636.41	2695.14	2687.39
26.0	2634.33	2620.03	2568.61	2576.68	2548.40	2581.49	2572.87	2619.92	2676.91	2671.02

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CANDELA TABULATION - (Cont.)

26.5	2614.46	2601.90	2550.37	2558.56	2527.77	2563.69	2555.07	2600.70	2659.77	2654.42
27.0	2596.67	2582.04	2529.52	2540.11	2509.32	2545.35	2536.40	2583.34	2642.19	2635.53
27.5	2578.32	2563.58	2510.53	2519.25	2490.76	2524.71	2516.09	2563.69	2622.21	2617.84
28.0	2557.36	2544.81	2491.74	2500.81	2469.80	2505.72	2497.31	2545.68	2604.19	2598.09
28.5	2538.59	2524.17	2470.67	2481.81	2450.91	2486.94	2476.02	2527.22	2586.08	2580.07
29.0	2517.84	2505.07	2451.35	2460.52	2430.17	2465.98	2457.24	2506.70	2565.23	2561.40
29.5	2498.62	2485.85	2432.68	2441.85	2411.39	2447.20	2438.25	2488.03	2546.34	2541.09
30.0	2479.08	2464.57	2411.50	2421.10	2393.27	2426.13	2417.50	2469.04	2525.26	2522.32
30.5	2457.57	2445.45	2392.94	2402.54	2373.40	2407.13	2398.62	2447.64	2505.83	2503.20
31.0	2438.25	2424.05	2372.85	2384.31	2356.04	2388.68	2379.94	2428.42	2486.39	2481.48
31.5	2416.74	2405.06	2355.38	2364.12	2338.79	2367.94	2359.86	2407.03	2464.34	2461.72
32.0	2397.74	2386.50	2337.59	2345.89	2319.58	2350.25	2342.18	2388.24	2445.02	2439.99
32.5	2378.97	2366.30	2318.16	2328.52	2302.87	2330.71	2323.06	2369.91	2423.62	2420.78
33.0	2359.09	2348.50	2301.24	2309.64	2286.06	2313.35	2305.82	2349.49	2404.52	2401.45
33.5	2341.62	2331.03	2284.43	2292.71	2267.50	2296.32	2289.23	2331.36	2385.95	2380.39
34.0	2324.38	2311.71	2265.75	2276.23	2251.12	2277.98	2270.77	2314.01	2366.08	2362.04
34.5	2305.28	2294.90	2249.05	2257.89	2232.99	2261.27	2254.50	2295.33	2348.50	2344.03
35.0	2288.46	2277.76	2231.91	2241.41	2216.30	2244.36	2237.91	2278.64	2331.03	2324.93
35.5	2271.43	2258.76	2212.91	2222.73	2199.49	2225.90	2219.79	2261.83	2311.93	2307.24
36.0	2252.87	2241.84	2195.88	2205.92	2181.36	2209.09	2203.08	2243.15	2295.01	2290.32
36.5	2235.62	2222.73	2176.66	2189.00	2164.43	2192.17	2184.53	2226.12	2277.76	2271.21
37.0	2216.84	2205.81	2159.63	2170.33	2147.62	2173.49	2167.93	2207.78	2258.76	2254.39
37.5	2199.70	2188.67	2141.95	2152.75	2127.43	2156.80	2151.34	2191.19	2241.73	2235.40
38.0	2182.99	2169.24	2120.55	2134.85	2107.77	2140.42	2132.78	2174.81	2223.18	2218.36
38.5	2164.00	2151.99	2100.24	2113.01	2086.82	2120.98	2115.97	2156.47	2206.35	2201.34
39.0	2146.64	2132.78	2078.95	2092.59	2062.68	2102.64	2098.38	2140.30	2189.66	2182.45
39.5	2129.50	2114.32	2053.94	2068.47	2039.97	2080.59	2077.96	2123.82	2171.10	2165.64
40.0	2109.73	2094.78	2030.26	2046.09	2013.44	2060.06	2058.21	2105.15	2154.50	2149.04
40.5	2091.18	2071.31	2001.98	2021.63	1988.34	2037.79	2034.74	2088.24	2135.94	2130.15
41.0	2068.47	2048.50	1975.34	1993.03	1960.49	2011.81	2011.26	2068.80	2119.02	2113.01
41.5	2046.42	2024.15	1946.30	1965.08	1926.54	1986.59	1986.47	2050.13	2101.55	2093.37
42.0	2022.40	1995.10	1910.71	1935.60	1893.35	1959.84	1956.68	2029.71	2081.57	2075.78
42.5	1993.14	1966.61	1876.21	1900.23	1852.85	1927.96	1927.53	2005.04	2063.12	2057.88
43.0	1964.10	1935.60	1838.55	1864.75	1814.31	1897.06	1896.19	1981.13	2043.14	2036.70
43.5	1932.76	1899.03	1794.01	1821.62	1773.37	1863.21	1857.32	1955.58	2018.79	2016.18
44.0	1893.90	1863.54	1750.99	1780.35	1725.00	1821.74	1820.09	1924.46	1994.12	1993.47
44.5	1854.37	1820.64	1701.42	1736.57	1679.36	1782.43	1776.21	1893.79	1962.68	1965.52
45.0	1807.65	1778.93	1655.13	1686.24	1632.20	1735.27	1733.19	1855.69	1930.58	1936.92
45.5	1763.43	1733.96	1606.76	1639.30	1577.40	1691.16	1688.43	1818.67	1896.09	1901.32
46.0	1717.58	1681.34	1550.97	1590.06	1526.74	1644.32	1637.11	1778.93	1854.27	1865.29
46.5	1664.30	1632.10	1498.79	1532.96	1468.77	1590.71	1588.42	1731.88	1814.63	1826.43
47.0	1614.30	1581.77	1439.62	1481.11	1415.60	1540.06	1538.09	1687.01	1772.17	1780.90
47.5	1562.11	1523.80	1385.68	1422.58	1361.23	1482.41	1480.78	1640.39	1721.62	1737.45
48.0	1503.05	1471.49	1331.09	1369.31	1300.19	1430.12	1428.27	1586.46	1674.46	1691.70
48.5	1449.45	1412.22	1269.30	1315.16	1245.06	1376.84	1368.54	1536.12	1625.43	1637.99
49.0	1388.96	1358.06	1214.06	1255.22	1189.72	1317.89	1314.18	1479.36	1569.31	1587.44
49.5	1333.39	1302.82	1158.38	1200.41	1128.90	1263.74	1259.69	1427.17	1517.35	1535.91
50.0	1277.60	1240.59	1095.93	1138.40	1073.66	1208.82	1198.67	1373.67	1458.29	1478.48
50.5	1215.58	1184.58	1040.90	1082.18	1018.85	1146.59	1142.98	1312.20	1404.14	1424.99
51.0	1159.36	1128.90	980.31	1026.50	957.93	1090.36	1087.52	1259.37	1342.45	1363.85
51.5	1102.04	1067.22	925.73	964.81	903.67	1028.46	1025.84	1197.80	1285.79	1307.84
52.0	1038.83	1011.87	871.80	910.77	844.83	973.55	970.16	1142.77	1229.13	1251.51
52.5	982.93	950.83	812.84	858.14	793.19	920.05	915.68	1087.85	1166.79	1188.08
53.0	927.59	896.69	761.52	801.48	742.42	861.42	856.08	1025.95	1110.78	1130.87
53.5	867.10	843.51	711.64	751.70	686.53	809.02	803.56	971.47	1054.12	1073.44
54.0	813.06	786.63	658.68	697.66	639.25	758.14	746.57	917.64	990.90	1010.55

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CANDELA TABULATION - (Cont.)

54.5	754.87	736.86	612.72	650.71	596.23	703.55	696.24	858.26	935.01	954.55
55.0	704.64	682.59	564.69	605.51	558.14	656.06	648.09	806.18	874.41	893.30
55.5	656.28	635.10	543.72	558.57	511.17	605.73	596.89	748.97	820.92	838.28
56.0	604.20	589.46	485.44	518.61	471.00	563.27	560.64	698.42	767.64	784.45
56.5	563.70	541.76	447.42	481.60	438.10	522.87	511.74	649.40	709.34	725.82
57.0	511.26	501.80	416.80	447.10	409.22	480.72	470.05	597.32	658.02	674.19
57.5	473.55	465.00	389.61	412.75	381.50	449.94	436.29	553.44	609.11	623.74
58.0	439.34	420.47	363.55	384.83	358.93	414.52	403.33	511.95	559.66	570.79
58.5	405.11	400.88	343.62	361.82	339.25	386.84	377.33	469.37	517.19	545.80
59.0	378.81	377.00	324.84	342.17	321.42	363.99	355.18	423.75	472.75	485.74
59.5	357.41	353.97	310.79	323.92	309.00	342.16	334.69	405.95	426.10	445.18
60.0	337.38	335.85	300.24	310.34	297.86	325.51	319.69	376.53	408.85	412.64
60.5	321.80	319.13	291.93	298.90	290.00	311.91	307.03	354.24	378.69	380.68
61.0	310.24	308.08	285.82	291.14	283.33	299.98	295.48	334.47	354.98	356.25
61.5	302.05	300.19	279.94	284.54	276.79	291.96	287.58	320.03	335.45	336.23
62.0	296.12	293.60	273.50	278.14	271.06	285.66	280.90	307.95	322.46	319.68
62.5	289.49	287.86	267.64	272.45	265.05	279.12	275.03	296.94	311.92	309.13
63.0	283.27	281.79	260.95	266.54	258.08	273.37	268.87	289.34	302.50	301.19
63.5	276.72	274.95	254.65	259.88	251.69	267.43	262.03	283.26	296.01	294.13
64.0	269.41	268.87	247.90	253.51	244.58	260.57	255.79	276.83	289.93	288.23
64.5	262.63	261.68	240.92	247.14	238.51	254.26	249.49	270.77	282.80	281.57
65.0	255.71	254.91	234.82	240.26	232.40	247.29	242.54	264.07	275.97	275.18
65.5	248.03	248.23	228.68	234.34	225.59	241.37	236.52	256.79	268.63	268.31
66.0	241.18	241.00	221.72	227.59	219.24	235.38	229.97	250.24	261.68	260.52
66.5	233.45	234.52	215.21	221.35	212.73	228.69	223.87	243.29	254.56	253.87
67.0	226.25	227.91	208.49	214.91	205.42	222.48	217.61	237.24	247.28	247.27
67.5	218.92	220.40	200.70	207.57	198.51	216.14	210.48	231.10	240.83	239.52
68.0	210.83	213.21	193.44	200.88	190.75	208.85	203.77	224.20	234.24	232.74
68.5	203.34	205.00	185.08	194.01	183.54	202.08	196.79	217.74	226.62	225.93
69.0	194.79	197.45	177.29	186.08	176.03	194.27	188.86	210.41	219.47	217.97
69.5	186.76	189.96	169.43	178.64	167.60	186.99	181.60	203.43	211.35	210.62
70.0	178.69	181.19	160.62	170.26	159.99	179.63	173.27	196.14	203.96	202.27
70.5	169.73	173.02	152.67	162.73	152.40	171.31	165.69	187.79	196.33	194.48
71.0	161.60	164.91	144.72	155.22	144.06	163.73	158.00	180.09	187.30	186.35
71.5	153.47	156.05	136.02	147.00	136.37	155.27	149.27	172.16	179.09	177.05
72.0	144.34	148.11	128.21	139.52	127.56	147.60	141.50	163.23	170.88	168.65
72.5	136.18	139.39	119.51	131.91	119.63	139.96	133.71	155.36	161.84	160.33
73.0	128.06	131.47	111.87	123.41	112.07	131.55	125.08	147.68	153.85	151.16
73.5	119.26	123.53	104.27	115.77	103.98	123.90	117.35	139.23	145.89	143.09
74.0	111.48	114.99	95.95	107.47	96.95	116.30	109.05	131.52	136.82	133.82
74.5	102.95	107.59	88.59	100.13	89.98	108.10	101.51	122.72	128.78	125.31
75.0	95.46	100.30	81.53	93.00	82.30	100.99	93.95	114.90	119.92	116.96
75.5	88.17	92.09	73.82	85.08	75.51	94.02	85.67	107.36	112.09	107.97
76.0	80.42	85.02	66.46	77.86	68.89	86.07	78.59	99.36	104.41	99.95
76.5	73.69	78.21	58.56	70.65	61.74	78.88	71.62	92.36	96.20	92.02
77.0	67.03	70.95	54.85	63.03	56.61	71.05	63.47	85.38	89.04	83.35
77.5	59.76	64.62	45.90	56.68	49.03	64.19	57.26	77.81	82.11	75.81
78.0	55.55	57.61	39.69	49.64	43.36	57.76	50.07	71.32	74.78	68.67
78.5	46.66	51.27	34.17	43.59	37.76	50.72	43.72	64.17	68.28	61.27
79.0	41.05	45.23	29.23	36.26	31.67	44.41	38.29	57.93	61.05	56.20
79.5	35.72	36.82	24.38	32.70	26.47	36.99	32.49	51.76	54.68	47.17
80.0	29.90	34.08	20.44	28.01	21.76	33.29	27.77	44.97	48.73	41.09
80.5	24.88	29.25	17.04	23.67	16.98	28.59	23.62	37.13	42.41	35.63
81.0	19.82	24.03	13.85	19.32	13.08	23.74	19.44	34.44	35.78	30.21
81.5	15.60	19.48	11.22	15.73	9.48	19.65	16.19	29.29	31.00	25.80
82.0	11.78	15.10	8.26	12.57	7.07	15.89	13.55	24.91	25.94	21.93

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CANDELA TABULATION - (Cont.)

82.5	8.38	11.82	5.52	9.43	5.39	12.38	10.68	20.27	21.35	17.87
83.0	6.11	9.00	4.09	7.02	4.27	9.68	7.97	16.36	16.70	14.30
83.5	4.48	6.50	1.97	4.76	3.01	7.13	5.02	13.01	13.04	10.95
84.0	3.15	4.63	1.20	2.86	1.87	5.13	3.77	9.92	10.06	8.23
84.5	1.97	2.57	0.73	2.07	1.19	3.08	1.99	7.53	7.59	5.63
85.0	1.06	1.75	0.47	1.68	0.83	2.25	1.18	5.46	5.72	3.98
85.5	0.66	1.51	0.27	1.45	0.53	1.71	0.88	3.16	4.23	2.21
86.0	0.46	1.17	0.12	1.09	0.27	1.36	0.53	2.22	2.46	1.36
86.5	0.23	0.92	0.04	0.78	0.08	1.10	0.21	1.69	1.82	0.77
87.0	0.11	0.72	0.00	0.44	0.00	0.77	0.09	1.33	1.44	0.40
87.5	0.00	0.44	0.00	0.33	0.00	0.47	0.01	1.06	1.12	0.21
88.0	0.00	0.27	0.00	0.26	0.00	0.29	0.00	0.70	0.84	0.09
88.5	0.00	0.27	0.00	0.23	0.00	0.27	0.00	0.47	0.52	0.01
89.0	0.00	0.19	0.00	0.24	0.00	0.28	0.00	0.36	0.32	0.01
89.5	0.00	0.25	0.00	0.22	0.00	0.25	0.00	0.27	0.33	0.00
90.0	0.00	0.24	0.00	0.19	0.00	0.17	0.00	0.24	0.26	0.00
90.5	0.00	0.20	0.00	0.19	0.00	0.20	0.00	0.20	0.29	0.00
91.0	0.00	0.16	0.00	0.17	0.02	0.16	0.00	0.20	0.19	0.00
91.5	0.00	0.21	0.00	0.13	0.00	0.16	0.00	0.19	0.23	0.00
92.0	0.00	0.15	0.00	0.16	0.00	0.15	0.01	0.16	0.20	0.00
92.5	0.00	0.13	0.00	0.12	0.00	0.11	0.00	0.16	0.20	0.00
93.0	0.00	0.09	0.00	0.15	0.00	0.14	0.00	0.15	0.15	0.00
93.5	0.00	0.13	0.00	0.10	0.00	0.13	0.00	0.13	0.21	0.00
94.0	0.00	0.10	0.00	0.11	0.00	0.12	0.00	0.20	0.14	0.00
94.5	0.00	0.10	0.00	0.07	0.00	0.11	0.00	0.13	0.19	0.00
95.0	0.00	0.07	0.00	0.09	0.00	0.15	0.00	0.07	0.14	0.01
95.5	0.00	0.07	0.00	0.10	0.00	0.09	0.00	0.10	0.12	0.00
96.0	0.00	0.08	0.00	0.11	0.00	0.10	0.00	0.12	0.13	0.00
96.5	0.00	0.09	0.00	0.08	0.00	0.07	0.00	0.11	0.10	0.00
97.0	0.00	0.08	0.00	0.07	0.01	0.10	0.00	0.07	0.10	0.00
97.5	0.00	0.06	0.00	0.08	0.00	0.10	0.00	0.05	0.10	0.00
98.0	0.00	0.08	0.00	0.09	0.00	0.06	0.00	0.12	0.12	0.00
98.5	0.00	0.05	0.00	0.05	0.00	0.10	0.00	0.11	0.14	0.01
99.0	0.00	0.08	0.00	0.05	0.00	0.06	0.00	0.07	0.09	0.00
99.5	0.00	0.06	0.00	0.06	0.00	0.09	0.00	0.08	0.10	0.00
100.0	0.00	0.06	0.00	0.03	0.00	0.07	0.00	0.04	0.08	0.00
100.5	0.00	0.05	0.00	0.06	0.00	0.08	0.00	0.08	0.11	0.02
101.0	0.00	0.05	0.00	0.06	0.00	0.08	0.00	0.07	0.10	0.00
101.5	0.00	0.07	0.00	0.02	0.00	0.07	0.00	0.08	0.09	0.01
102.0	0.00	0.11	0.00	0.05	0.00	0.10	0.00	0.04	0.10	0.00
102.5	0.00	0.04	0.00	0.02	0.00	0.07	0.00	0.04	0.08	0.00
103.0	0.00	0.08	0.00	0.06	0.00	0.04	0.00	0.05	0.11	0.00
103.5	0.00	0.08	0.00	0.05	0.00	0.07	0.00	0.02	0.08	0.00
104.0	0.00	0.07	0.00	0.06	0.00	0.08	0.00	0.03	0.11	0.00
104.5	0.00	0.05	0.00	0.08	0.00	0.03	0.00	0.05	0.06	0.00
105.0	0.00	0.05	0.00	0.03	0.00	0.05	0.00	0.06	0.12	0.02
105.5	0.00	0.06	0.00	0.07	0.00	0.06	0.00	0.06	0.08	0.00
106.0	0.00	0.05	0.00	0.06	0.00	0.06	0.00	0.06	0.12	0.02
106.5	0.00	0.03	0.00	0.05	0.00	0.05	0.00	0.03	0.11	0.02
107.0	0.00	0.04	0.00	0.08	0.00	0.06	0.00	0.06	0.08	0.00
107.5	0.00	0.04	0.00	0.07	0.00	0.07	0.01	0.07	0.12	0.00
108.0	0.00	0.08	0.00	0.07	0.00	0.06	0.00	0.06	0.12	0.01
108.5	0.00	0.04	0.00	0.05	0.00	0.08	0.00	0.07	0.10	0.02
109.0	0.00	0.11	0.00	0.07	0.03	0.08	0.00	0.06	0.11	0.01
109.5	0.00	0.07	0.00	0.04	0.03	0.08	0.00	0.06	0.10	0.04
110.0	0.00	0.08	0.03	0.07	0.00	0.05	0.01	0.06	0.13	0.02

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CANDELA TABULATION - (Cont.)

110.5	0.01	0.08	0.00	0.08	0.01	0.08	0.00	0.09	0.12	0.03
111.0	0.01	0.10	0.00	0.11	0.03	0.12	0.00	0.07	0.16	0.02
111.5	0.00	0.08	0.03	0.05	0.00	0.08	0.03	0.06	0.14	0.01
112.0	0.01	0.08	0.02	0.07	0.00	0.05	0.01	0.08	0.12	0.07
112.5	0.00	0.06	0.02	0.08	0.00	0.08	0.00	0.09	0.14	0.06
113.0	0.03	0.09	0.00	0.13	0.03	0.04	0.00	0.10	0.13	0.04
113.5	0.02	0.08	0.03	0.12	0.01	0.08	0.04	0.05	0.15	0.04
114.0	0.00	0.08	0.03	0.07	0.03	0.09	0.02	0.07	0.15	0.06
114.5	0.01	0.09	0.03	0.11	0.03	0.07	0.01	0.05	0.15	0.08
115.0	0.03	0.07	0.04	0.11	0.03	0.11	0.05	0.06	0.15	0.05
115.5	0.01	0.10	0.00	0.10	0.01	0.10	0.01	0.07	0.19	0.07
116.0	0.03	0.11	0.02	0.09	0.00	0.10	0.02	0.07	0.15	0.07
116.5	0.04	0.10	0.04	0.08	0.03	0.09	0.03	0.08	0.16	0.07
117.0	0.02	0.09	0.04	0.08	0.06	0.08	0.05	0.08	0.21	0.05
117.5	0.03	0.08	0.03	0.11	0.03	0.09	0.03	0.08	0.21	0.09
118.0	0.06	0.09	0.04	0.11	0.04	0.10	0.06	0.08	0.21	0.09
118.5	0.04	0.14	0.04	0.10	0.03	0.13	0.03	0.08	0.20	0.10
119.0	0.03	0.13	0.02	0.11	0.06	0.08	0.03	0.07	0.19	0.07
119.5	0.04	0.09	0.07	0.16	0.04	0.10	0.06	0.10	0.25	0.08
120.0	0.04	0.14	0.06	0.15	0.08	0.15	0.06	0.14	0.21	0.10
120.5	0.07	0.12	0.10	0.15	0.04	0.12	0.07	0.10	0.20	0.11
121.0	0.06	0.13	0.04	0.10	0.05	0.13	0.04	0.13	0.21	0.10
121.5	0.06	0.11	0.08	0.11	0.07	0.12	0.05	0.16	0.29	0.11
122.0	0.10	0.11	0.08	0.17	0.08	0.13	0.08	0.11	0.30	0.15
122.5	0.07	0.16	0.07	0.13	0.08	0.16	0.10	0.16	0.26	0.14
123.0	0.12	0.15	0.10	0.14	0.08	0.10	0.09	0.16	0.31	0.14
123.5	0.12	0.17	0.06	0.24	0.10	0.13	0.08	0.13	0.29	0.17
124.0	0.12	0.19	0.11	0.15	0.12	0.16	0.09	0.15	0.27	0.21
124.5	0.10	0.16	0.09	0.17	0.10	0.15	0.08	0.14	0.27	0.19
125.0	0.11	0.17	0.12	0.22	0.11	0.16	0.07	0.16	0.31	0.16
125.5	0.12	0.23	0.11	0.27	0.12	0.16	0.11	0.14	0.29	0.20
126.0	0.13	0.22	0.14	0.17	0.12	0.23	0.10	0.13	0.32	0.20
126.5	0.13	0.19	0.13	0.16	0.07	0.13	0.10	0.21	0.32	0.21
127.0	0.13	0.21	0.14	0.16	0.19	0.20	0.12	0.15	0.32	0.19
127.5	0.15	0.20	0.13	0.23	0.10	0.20	0.11	0.19	0.34	0.26
128.0	0.12	0.21	0.19	0.17	0.16	0.22	0.15	0.24	0.39	0.25
128.5	0.15	0.27	0.22	0.23	0.20	0.22	0.20	0.26	0.37	0.23
129.0	0.09	0.25	0.17	0.24	0.22	0.25	0.21	0.21	0.39	0.30
129.5	0.21	0.27	0.21	0.26	0.19	0.24	0.21	0.23	0.38	0.29
130.0	0.13	0.23	0.17	0.26	0.23	0.27	0.16	0.20	0.38	0.28
130.5	0.17	0.27	0.15	0.31	0.17	0.26	0.19	0.22	0.40	0.27
131.0	0.17	0.31	0.22	0.32	0.19	0.26	0.19	0.25	0.42	0.34
131.5	0.22	0.30	0.28	0.27	0.22	0.24	0.21	0.21	0.41	0.34
132.0	0.16	0.31	0.24	0.27	0.25	0.31	0.15	0.29	0.42	0.35
132.5	0.25	0.26	0.26	0.29	0.20	0.27	0.25	0.25	0.43	0.31
133.0	0.22	0.26	0.17	0.33	0.24	0.29	0.19	0.25	0.47	0.34
133.5	0.27	0.28	0.22	0.33	0.21	0.32	0.24	0.26	0.47	0.35
134.0	0.27	0.31	0.25	0.36	0.23	0.32	0.20	0.28	0.46	0.35
134.5	0.28	0.29	0.26	0.31	0.24	0.29	0.20	0.24	0.50	0.35
135.0	0.21	0.35	0.23	0.33	0.23	0.30	0.24	0.29	0.51	0.40
135.5	0.29	0.32	0.30	0.38	0.31	0.33	0.22	0.31	0.50	0.44
136.0	0.28	0.38	0.34	0.29	0.26	0.39	0.28	0.30	0.49	0.37
136.5	0.28	0.34	0.34	0.34	0.29	0.32	0.25	0.35	0.46	0.35
137.0	0.33	0.39	0.29	0.36	0.34	0.34	0.25	0.31	0.51	0.42
137.5	0.33	0.38	0.34	0.36	0.29	0.34	0.28	0.31	0.54	0.40
138.0	0.31	0.40	0.29	0.39	0.30	0.33	0.26	0.35	0.48	0.43

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CANDELA TABULATION - (Cont.)

138.5	0.29	0.35	0.32	0.40	0.33	0.37	0.29	0.36	0.53	0.44
139.0	0.30	0.43	0.30	0.42	0.29	0.35	0.31	0.30	0.49	0.49
139.5	0.36	0.43	0.32	0.43	0.38	0.39	0.32	0.38	0.62	0.47
140.0	0.37	0.43	0.34	0.40	0.37	0.40	0.34	0.37	0.53	0.47
140.5	0.31	0.42	0.38	0.43	0.30	0.35	0.34	0.37	0.57	0.45
141.0	0.35	0.42	0.35	0.42	0.33	0.35	0.29	0.35	0.56	0.51
141.5	0.36	0.42	0.36	0.48	0.37	0.36	0.33	0.34	0.63	0.49
142.0	0.35	0.44	0.38	0.45	0.38	0.41	0.35	0.39	0.62	0.54
142.5	0.38	0.44	0.39	0.43	0.39	0.44	0.36	0.40	0.57	0.52
143.0	0.42	0.42	0.39	0.44	0.42	0.47	0.37	0.42	0.62	0.57
143.5	0.39	0.43	0.43	0.47	0.42	0.45	0.38	0.40	0.61	0.56
144.0	0.39	0.49	0.45	0.44	0.40	0.50	0.37	0.38	0.67	0.62
144.5	0.42	0.51	0.44	0.45	0.44	0.42	0.40	0.40	0.62	0.59
145.0	0.44	0.52	0.40	0.52	0.46	0.47	0.38	0.40	0.66	0.58
145.5	0.47	0.48	0.43	0.51	0.51	0.45	0.42	0.43	0.70	0.60
146.0	0.49	0.51	0.46	0.50	0.52	0.48	0.38	0.44	0.66	0.66
146.5	0.44	0.56	0.43	0.51	0.48	0.47	0.42	0.46	0.74	0.59
147.0	0.51	0.57	0.48	0.53	0.45	0.49	0.47	0.41	0.73	0.59
147.5	0.51	0.60	0.52	0.56	0.49	0.50	0.43	0.51	0.69	0.65
148.0	0.47	0.61	0.50	0.58	0.47	0.49	0.41	0.57	0.74	0.67
148.5	0.51	0.58	0.54	0.56	0.49	0.56	0.50	0.57	0.76	0.64
149.0	0.47	0.57	0.57	0.54	0.56	0.54	0.54	0.52	0.76	0.66
149.5	0.56	0.60	0.53	0.58	0.54	0.54	0.53	0.51	0.76	0.65
150.0	0.51	0.61	0.53	0.62	0.54	0.58	0.48	0.56	0.73	0.67
150.5	0.58	0.65	0.53	0.59	0.57	0.57	0.51	0.51	0.75	0.73
151.0	0.58	0.68	0.61	0.65	0.58	0.60	0.52	0.57	0.74	0.72
151.5	0.61	0.63	0.64	0.65	0.60	0.65	0.54	0.54	0.75	0.65
152.0	0.65	0.67	0.58	0.61	0.63	0.63	0.54	0.54	0.78	0.77
152.5	0.69	0.68	0.65	0.67	0.66	0.60	0.64	0.51	0.77	0.75
153.0	0.58	0.66	0.67	0.64	0.62	0.64	0.60	0.64	0.81	0.75
153.5	0.68	0.70	0.63	0.70	0.59	0.65	0.62	0.60	0.73	0.72
154.0	0.64	0.70	0.68	0.67	0.64	0.65	0.56	0.59	0.86	0.76
154.5	0.64	0.66	0.64	0.69	0.63	0.68	0.58	0.64	0.84	0.76
155.0	0.67	0.74	0.66	0.69	0.64	0.68	0.64	0.66	0.82	0.77
155.5	0.72	0.69	0.71	0.72	0.70	0.68	0.64	0.64	0.86	0.78
156.0	0.77	0.73	0.71	0.69	0.69	0.72	0.66	0.63	0.86	0.85
156.5	0.72	0.74	0.71	0.79	0.67	0.69	0.66	0.68	0.87	0.77
157.0	0.69	0.74	0.73	0.73	0.70	0.74	0.65	0.65	0.87	0.81
157.5	0.74	0.74	0.70	0.66	0.68	0.77	0.65	0.70	0.78	0.89
158.0	0.74	0.85	0.68	0.73	0.79	0.72	0.65	0.71	0.87	0.79
158.5	0.71	0.74	0.75	0.79	0.76	0.72	0.63	0.70	0.83	0.80
159.0	0.71	0.82	0.73	0.77	0.70	0.74	0.63	0.71	0.85	0.80
159.5	0.77	0.77	0.76	0.81	0.72	0.76	0.74	0.77	0.92	0.79
160.0	0.71	0.78	0.77	0.77	0.72	0.77	0.68	0.78	0.92	0.84
160.5	0.68	0.75	0.77	0.79	0.75	0.78	0.72	0.72	0.95	0.84
161.0	0.82	0.80	0.80	0.78	0.78	0.79	0.69	0.68	0.84	0.89
161.5	0.83	0.79	0.81	0.77	0.76	0.74	0.72	0.78	0.89	0.85
162.0	0.77	0.87	0.84	0.81	0.73	0.83	0.74	0.73	0.92	0.85
162.5	0.78	0.80	0.85	0.78	0.74	0.79	0.79	0.72	0.94	0.86
163.0	0.81	0.86	0.80	0.83	0.82	0.79	0.82	0.79	0.97	0.85
163.5	0.83	0.82	0.82	0.77	0.76	0.82	0.76	0.77	0.89	0.88
164.0	0.79	0.88	0.81	0.82	0.82	0.83	0.76	0.79	0.89	0.88
164.5	0.84	0.86	0.76	0.81	0.79	0.81	0.76	0.77	0.89	0.87
165.0	0.85	0.90	0.83	0.80	0.75	0.79	0.80	0.77	0.96	0.84
165.5	0.84	0.89	0.79	0.92	0.82	0.80	0.75	0.82	0.97	0.94
166.0	0.82	0.87	0.89	0.87	0.80	0.81	0.78	0.84	0.89	0.90

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CANDELA TABULATION - (Cont.)

166.5	0.85	0.84	0.87	0.87	0.82	0.81	0.82	0.80	0.93	0.92
167.0	0.90	0.88	0.84	0.89	0.83	0.82	0.87	0.81	0.97	0.89
167.5	0.86	0.90	0.94	0.87	0.82	0.87	0.82	0.83	0.95	0.87
168.0	0.86	0.88	0.87	0.89	0.81	0.86	0.80	0.82	0.99	0.90
168.5	0.83	0.88	0.94	0.87	0.85	0.82	0.85	0.82	0.97	0.99
169.0	0.85	0.89	0.85	0.86	0.87	0.84	0.82	0.82	0.92	0.88
169.5	0.92	0.92	0.90	0.95	0.87	0.92	0.77	0.85	0.98	0.93
170.0	0.83	0.88	0.85	0.87	0.84	0.81	0.87	0.86	0.98	0.89
170.5	0.92	0.89	0.89	0.89	0.85	0.89	0.86	0.84	0.95	0.90
171.0	0.87	0.97	0.88	0.87	0.90	0.87	0.82	0.88	0.93	0.93
171.5	0.88	0.96	0.90	0.88	0.88	0.85	0.81	0.84	1.03	0.97
172.0	0.89	0.92	0.89	0.90	0.86	0.90	0.90	0.84	0.96	0.94
172.5	0.94	0.88	0.88	0.88	0.90	0.94	0.89	0.83	0.93	0.92
173.0	0.89	0.97	0.86	0.94	0.90	0.92	0.95	0.85	0.99	0.95
173.5	0.89	0.96	0.87	0.89	0.92	0.83	0.85	0.82	0.92	0.94
174.0	0.86	0.93	0.89	0.92	0.85	0.87	0.89	0.86	0.92	1.03
174.5	0.92	0.94	0.88	0.93	0.88	0.89	0.90	0.85	0.97	0.98
175.0	0.93	0.87	0.93	0.92	0.88	0.89	0.88	0.86	0.95	0.86
175.5	0.83	0.93	0.90	0.93	0.88	0.97	0.82	0.86	0.93	0.95
176.0	0.87	0.90	0.86	0.86	0.93	0.93	0.83	0.87	0.92	0.92
176.5	0.92	0.96	0.92	0.97	0.90	0.90	0.92	0.93	1.03	0.98
177.0	0.89	0.96	0.87	0.86	0.89	0.93	0.87	0.90	0.94	0.90
177.5	0.86	0.96	0.92	0.93	0.89	0.83	0.86	0.93	0.99	0.89
178.0	0.88	0.95	0.95	0.95	0.87	0.88	0.83	0.90	0.93	0.89
178.5	0.89	0.97	0.93	0.93	0.89	0.87	0.88	0.82	0.95	0.95
179.0	0.89	0.98	0.95	0.93	0.84	0.85	0.87	0.90	0.97	0.93
179.5	0.90	0.89	0.96	0.89	0.93	0.89	0.89	0.86	0.96	0.93
180.0	0.92	0.94	0.88	0.96	0.95	0.89	0.84	0.87	0.93	0.87

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	3042.84	3042.84	3042.84	3042.84	3042.84	3042.84	3042.84
0.5	3053.13	3045.70	3037.30	3030.31	3023.76	3016.99	3073.87
1.0	3053.57	3046.14	3037.85	3030.53	3023.87	3016.22	3073.10
1.5	3054.11	3046.03	3038.06	3029.98	3023.65	3015.46	3072.23
2.0	3054.11	3045.92	3038.28	3029.98	3023.21	3014.48	3071.14
2.5	3054.22	3045.37	3038.28	3029.44	3022.56	3013.28	3069.50
3.0	3053.57	3044.72	3037.85	3028.35	3021.80	3011.75	3067.97
3.5	3052.80	3043.74	3037.19	3027.26	3020.81	3009.24	3065.36
4.0	3051.71	3042.53	3036.20	3025.51	3019.17	3007.05	3062.41
4.5	3050.40	3040.68	3035.11	3023.87	3017.31	3004.44	3059.79
5.0	3048.98	3039.05	3033.48	3021.80	3015.46	3001.38	3056.08
5.5	3046.90	3037.08	3031.94	3019.06	3012.95	2998.32	3052.25
6.0	3044.94	3034.78	3029.65	3016.12	3010.22	2994.83	3048.44
6.5	3042.43	3032.17	3027.14	3012.74	3007.38	2990.57	3043.85
7.0	3039.48	3029.11	3024.63	3009.46	3003.88	2986.31	3039.27
7.5	3036.53	3025.51	3021.68	3005.63	3000.17	2981.94	3034.02
8.0	3033.15	3021.35	3018.19	3001.59	2996.03	2976.71	3028.89
8.5	3029.11	3017.21	3014.26	2997.34	2991.56	2971.57	3023.54
9.0	3025.29	3012.95	3009.79	2992.53	2987.07	2965.56	3017.21
9.5	3020.48	3007.82	3005.86	2986.97	2981.73	2959.67	3011.09
10.0	3015.68	3002.80	3000.40	2981.94	2976.60	2953.34	3004.76
10.5	3010.66	2996.69	2995.48	2975.51	2970.15	2946.13	2997.34
11.0	3004.54	2991.11	2990.14	2969.28	2963.93	2939.48	2990.46
11.5	2998.75	2984.78	2983.69	2962.84	2957.60	2932.38	2983.03

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CANDELA TABULATION - (Cont.)

12.0	2992.75	2978.13	2977.90	2955.53	2950.40	2924.19	2974.63
12.5	2985.87	2971.35	2971.47	2948.65	2943.52	2916.33	2966.77
13.0	2979.22	2964.59	2964.15	2941.55	2936.20	2907.38	2957.60
13.5	2971.57	2956.62	2957.27	2933.15	2928.01	2899.41	2949.41
14.0	2964.47	2949.30	2949.96	2925.61	2920.37	2891.11	2941.00
14.5	2957.05	2940.90	2941.87	2916.22	2911.75	2881.40	2931.18
15.0	2948.42	2932.82	2934.02	2908.04	2903.45	2872.88	2922.01
15.5	2940.57	2924.52	2924.85	2899.63	2894.82	2863.60	2912.40
16.0	2932.27	2915.35	2916.98	2890.02	2885.21	2853.12	2902.03
16.5	2922.88	2906.50	2908.47	2881.07	2876.15	2843.51	2892.53
17.0	2913.81	2896.57	2898.75	2871.78	2866.76	2832.59	2881.61
17.5	2903.55	2887.29	2889.58	2861.19	2856.06	2822.22	2871.35
18.0	2894.06	2877.90	2879.21	2851.59	2846.34	2812.18	2860.76
18.5	2884.78	2866.88	2870.04	2840.67	2836.20	2800.06	2848.86
19.0	2873.97	2856.61	2860.10	2830.08	2824.73	2789.36	2838.05
19.5	2863.81	2846.57	2849.41	2819.49	2814.47	2778.33	2825.61
20.0	2853.22	2834.78	2839.15	2807.81	2802.89	2765.78	2814.25
20.5	2841.54	2823.64	2828.77	2796.79	2791.87	2754.09	2802.25
21.0	2830.62	2812.84	2816.98	2785.11	2780.74	2742.09	2788.70
21.5	2817.97	2799.95	2805.73	2771.78	2767.64	2728.44	2775.93
22.0	2806.72	2788.05	2793.07	2759.67	2755.84	2715.56	2762.61
22.5	2795.04	2774.51	2781.39	2745.47	2743.72	2701.26	2747.43
23.0	2781.61	2761.73	2769.27	2732.70	2729.75	2687.71	2733.13
23.5	2769.16	2748.75	2755.51	2719.49	2716.98	2673.31	2718.73
24.0	2756.27	2733.90	2743.18	2704.64	2702.23	2656.93	2702.13
24.5	2741.10	2720.03	2730.19	2690.55	2688.37	2641.86	2687.06
25.0	2727.02	2706.17	2715.34	2676.47	2673.85	2626.25	2668.83
25.5	2711.40	2690.12	2701.91	2659.66	2657.59	2608.56	2652.02
26.0	2697.10	2675.05	2687.61	2644.38	2642.19	2591.75	2634.33
26.5	2681.93	2657.69	2671.02	2628.43	2626.25	2572.54	2614.46
27.0	2664.46	2641.75	2655.73	2610.10	2608.45	2554.95	2596.67
27.5	2648.09	2625.05	2637.83	2593.50	2591.64	2536.94	2578.32
28.0	2631.16	2606.27	2621.66	2573.96	2574.72	2516.86	2557.36
28.5	2611.95	2589.13	2605.18	2556.16	2555.28	2498.73	2538.59
29.0	2594.37	2571.45	2586.40	2538.04	2537.48	2480.17	2517.84
29.5	2575.16	2551.79	2569.15	2517.95	2517.51	2458.78	2498.62
30.0	2556.60	2533.45	2551.57	2499.39	2498.73	2439.78	2479.08
30.5	2538.14	2514.90	2531.16	2478.43	2479.73	2418.59	2457.57
31.0	2517.51	2494.26	2512.60	2459.65	2458.66	2399.27	2438.25
31.5	2498.19	2475.15	2491.42	2440.43	2439.12	2380.06	2416.74
32.0	2478.54	2453.97	2471.99	2418.82	2419.91	2359.54	2397.74
32.5	2456.70	2434.32	2452.44	2399.38	2398.62	2340.86	2378.97
33.0	2437.05	2415.10	2430.93	2379.73	2379.63	2322.74	2359.09
33.5	2415.43	2393.49	2411.28	2358.45	2358.66	2303.09	2341.62
34.0	2396.22	2374.38	2392.07	2339.33	2339.66	2285.95	2324.38
34.5	2377.22	2353.63	2371.33	2321.00	2321.10	2266.84	2305.28
35.0	2356.26	2335.30	2352.54	2300.36	2301.45	2249.82	2288.46
35.5	2337.91	2316.73	2331.80	2282.56	2283.65	2232.99	2271.43
36.0	2318.16	2296.65	2313.13	2263.02	2265.86	2214.55	2252.87
36.5	2299.92	2279.18	2294.79	2245.55	2246.97	2198.07	2235.62
37.0	2282.13	2261.60	2274.70	2228.41	2230.05	2181.36	2216.84
37.5	2262.47	2242.17	2257.13	2209.85	2211.17	2162.58	2199.70
38.0	2244.79	2224.59	2239.77	2192.49	2194.46	2145.55	2182.99
38.5	2227.86	2207.23	2220.66	2175.24	2177.53	2127.10	2164.00
39.0	2208.76	2188.34	2203.30	2156.35	2158.65	2109.85	2146.64
39.5	2191.51	2171.64	2184.41	2139.87	2141.73	2092.71	2129.50

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40.0	2174.37	2152.75	2167.60	2122.95	2125.14	2073.49	2109.73
40.5	2155.48	2135.40	2150.89	2104.17	2106.35	2056.02	2091.18
41.0	2138.24	2118.26	2132.12	2087.14	2089.54	2038.01	2068.47
41.5	2119.02	2099.04	2114.98	2068.14	2070.22	2017.05	2046.42
42.0	2101.55	2081.46	2095.87	2050.89	2052.42	1996.85	2022.40
42.5	2084.19	2063.45	2078.52	2033.32	2034.30	1972.17	1993.14
43.0	2064.22	2043.04	2061.15	2013.56	2013.77	1947.39	1964.10
43.5	2045.65	2023.92	2041.29	1994.56	1995.21	1919.55	1932.76
44.0	2025.90	2001.33	2023.38	1973.92	1975.12	1884.95	1893.90
44.5	2002.85	1979.82	2004.60	1949.57	1950.34	1850.66	1854.37
45.0	1980.58	1956.89	1982.22	1924.36	1924.36	1813.98	1807.65
45.5	1953.40	1928.29	1960.16	1892.81	1891.82	1769.33	1763.43
46.0	1926.76	1899.90	1935.83	1860.49	1858.74	1726.31	1717.58
46.5	1897.39	1867.91	1905.58	1824.90	1822.50	1681.11	1664.30
47.0	1861.36	1828.50	1874.36	1782.76	1779.15	1628.49	1614.30
47.5	1825.34	1790.51	1836.47	1741.27	1737.01	1579.80	1562.11
48.0	1782.76	1744.87	1799.79	1697.49	1693.23	1524.12	1503.05
48.5	1740.73	1701.64	1760.59	1646.40	1642.14	1472.26	1449.45
49.0	1696.40	1655.90	1713.54	1598.03	1593.56	1419.10	1388.96
49.5	1644.54	1602.62	1668.45	1542.79	1543.45	1359.48	1333.39
50.0	1595.63	1552.95	1621.72	1492.46	1485.48	1304.78	1277.60
50.5	1545.19	1501.63	1567.35	1440.60	1432.19	1250.19	1215.58
51.0	1487.76	1443.55	1516.92	1381.54	1372.48	1188.73	1159.36
51.5	1435.03	1390.26	1459.27	1327.05	1317.78	1132.61	1102.04
52.0	1380.77	1329.79	1405.44	1271.70	1262.75	1070.05	1038.83
52.5	1318.98	1273.88	1351.40	1210.35	1201.72	1014.05	982.93
53.0	1263.08	1217.77	1290.81	1154.78	1147.02	958.47	927.59
53.5	1200.85	1155.21	1235.68	1092.55	1085.77	898.65	867.10
54.0	1144.95	1098.66	1180.21	1037.31	1031.40	845.49	813.06
54.5	1089.60	1042.65	1118.32	982.61	977.36	792.75	754.87
55.0	1028.13	981.19	1062.09	921.36	917.10	735.54	704.64
55.5	972.89	925.94	1000.29	866.88	863.39	684.99	656.28
56.0	917.00	870.92	944.73	813.06	810.00	635.87	604.20
56.5	855.63	811.09	889.91	754.87	751.26	584.33	563.70
57.0	801.92	758.58	829.22	703.01	700.06	555.40	511.26
57.5	743.41	701.69	775.72	652.35	644.60	493.98	473.55
58.0	692.09	652.35	723.32	598.97	596.46	456.00	439.34
58.5	642.52	604.86	667.85	560.75	550.93	422.14	405.11
59.0	589.90	561.29	619.49	504.77	503.54	389.19	378.81
59.5	545.25	510.89	567.74	465.38	464.46	364.08	357.41
60.0	503.44	467.98	524.29	429.89	418.30	343.49	337.38
60.5	460.86	432.79	483.89	395.44	395.14	324.50	321.80
61.0	418.70	401.65	425.62	368.81	369.44	311.52	310.24
61.5	391.87	371.43	410.45	343.44	345.72	301.21	302.05
62.0	365.78	348.62	380.81	325.13	327.53	294.89	296.12
62.5	344.50	330.17	352.89	311.95	313.69	288.97	289.49
63.0	325.69	314.90	334.29	302.35	303.76	282.16	283.27
63.5	312.64	304.58	320.28	295.98	297.46	275.91	276.72
64.0	303.15	296.08	308.23	289.98	290.72	269.42	269.41
64.5	295.52	289.66	300.15	283.04	284.69	262.05	262.63
65.0	289.60	283.14	292.78	276.47	278.55	255.26	255.71
65.5	283.62	275.48	286.23	269.26	271.61	248.22	248.03
66.0	276.78	268.47	279.65	262.52	264.98	240.39	241.18
66.5	270.08	261.49	272.29	255.56	258.11	233.54	233.45
67.0	262.15	253.39	265.49	247.69	250.64	225.88	226.25
67.5	255.47	246.46	258.31	240.74	243.60	218.66	218.92

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CANDELA TABULATION - (Cont.)

68.0	249.10	239.54	250.28	233.68	236.53	211.16	210.83
68.5	242.02	231.62	243.32	225.24	228.80	202.92	203.34
69.0	235.27	224.25	236.06	217.69	221.87	195.49	194.79
69.5	228.28	215.57	227.88	209.57	213.96	187.84	186.76
70.0	220.61	208.06	220.25	202.17	206.63	178.88	178.69
70.5	213.62	200.49	211.83	194.50	198.76	170.78	169.73
71.0	205.53	192.07	204.43	185.77	189.57	161.76	161.60
71.5	197.74	184.13	196.67	177.78	181.33	153.53	153.47
72.0	189.64	175.99	188.06	169.69	173.13	145.49	144.34
72.5	180.55	167.03	180.23	160.66	163.67	136.23	136.18
73.0	172.31	158.94	172.33	152.45	154.87	127.83	128.06
73.5	164.07	150.84	163.66	143.21	145.36	119.68	119.26
74.0	154.42	142.06	155.67	134.76	136.94	110.78	111.48
74.5	145.67	133.95	146.64	126.30	128.74	102.84	102.95
75.0	137.17	124.92	138.70	117.12	119.60	95.06	95.46
75.5	127.87	116.88	130.64	108.84	111.12	86.38	88.17
76.0	119.51	108.80	121.62	100.73	101.76	78.80	80.42
76.5	109.96	100.02	113.69	91.89	93.79	70.94	73.69
77.0	101.60	92.17	105.88	83.98	86.13	64.17	67.03
77.5	93.62	83.62	97.45	76.42	77.80	57.81	59.76
78.0	85.20	76.07	90.24	68.51	70.44	49.54	55.55
78.5	77.70	68.93	82.47	61.71	63.62	43.98	46.66
79.0	69.45	61.32	75.62	56.14	56.53	38.39	41.05
79.5	62.35	56.52	68.90	47.53	50.59	32.74	35.72
80.0	55.89	47.94	61.30	41.62	44.57	28.08	29.90
80.5	49.30	41.35	54.51	35.67	36.43	23.55	24.88
81.0	43.50	35.97	47.92	30.70	33.33	19.91	19.82
81.5	36.86	30.99	37.18	26.11	28.36	16.40	15.60
82.0	32.49	25.61	35.04	21.35	24.43	12.68	11.78
82.5	27.98	21.06	28.81	17.30	21.09	9.77	8.38
83.0	24.05	16.43	23.82	13.45	17.82	6.93	6.11
83.5	20.35	13.02	19.34	10.52	14.67	4.61	4.48
84.0	17.27	10.10	14.93	7.85	10.81	3.08	3.15
84.5	13.69	7.20	11.65	5.09	7.80	1.71	1.97
85.0	10.41	4.88	9.12	3.88	5.19	0.82	1.06
85.5	7.32	3.77	6.83	2.41	2.24	0.42	0.66
86.0	4.51	2.43	5.01	1.09	1.48	0.29	0.46
86.5	2.38	1.05	2.93	0.41	1.08	0.11	0.23
87.0	1.46	0.46	1.76	0.12	0.90	0.11	0.11
87.5	1.09	0.13	1.11	0.05	0.73	0.01	0.00
88.0	0.87	0.06	0.82	0.02	0.54	0.00	0.00
88.5	0.69	0.02	0.60	0.00	0.36	0.00	0.00
89.0	0.43	0.00	0.49	0.00	0.31	0.00	0.00
89.5	0.38	0.01	0.38	0.00	0.30	0.00	0.00
90.0	0.32	0.00	0.30	0.00	0.25	0.00	0.00
90.5	0.17	0.00	0.26	0.00	0.27	0.00	0.00
91.0	0.25	0.00	0.24	0.00	0.23	0.00	0.00
91.5	0.24	0.00	0.28	0.00	0.21	0.00	0.00
92.0	0.27	0.00	0.20	0.00	0.21	0.00	0.00
92.5	0.14	0.00	0.24	0.00	0.22	0.00	0.00
93.0	0.19	0.00	0.16	0.00	0.15	0.00	0.00
93.5	0.16	0.00	0.22	0.00	0.19	0.00	0.00
94.0	0.14	0.00	0.15	0.00	0.21	0.00	0.00
94.5	0.14	0.01	0.17	0.00	0.13	0.00	0.00
95.0	0.16	0.00	0.12	0.00	0.12	0.00	0.00
95.5	0.15	0.00	0.11	0.00	0.12	0.00	0.00

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CANDELA TABULATION - (Cont.)

96.0	0.10	0.00	0.13	0.00	0.09	0.00	0.00
96.5	0.14	0.00	0.08	0.00	0.13	0.00	0.00
97.0	0.09	0.00	0.13	0.00	0.09	0.00	0.00
97.5	0.12	0.00	0.11	0.00	0.09	0.00	0.00
98.0	0.10	0.00	0.14	0.00	0.12	0.01	0.00
98.5	0.13	0.00	0.12	0.00	0.10	0.00	0.00
99.0	0.11	0.00	0.11	0.00	0.13	0.00	0.00
99.5	0.15	0.00	0.13	0.00	0.10	0.01	0.00
100.0	0.11	0.00	0.10	0.00	0.08	0.00	0.00
100.5	0.07	0.00	0.11	0.00	0.12	0.00	0.00
101.0	0.08	0.00	0.13	0.00	0.10	0.00	0.00
101.5	0.08	0.01	0.11	0.00	0.07	0.00	0.00
102.0	0.10	0.01	0.11	0.00	0.11	0.00	0.00
102.5	0.10	0.00	0.10	0.00	0.11	0.00	0.00
103.0	0.10	0.00	0.10	0.00	0.11	0.00	0.00
103.5	0.11	0.01	0.10	0.00	0.08	0.00	0.00
104.0	0.08	0.00	0.10	0.00	0.06	0.01	0.00
104.5	0.12	0.00	0.12	0.00	0.11	0.00	0.00
105.0	0.12	0.00	0.07	0.00	0.07	0.00	0.00
105.5	0.12	0.00	0.10	0.00	0.08	0.00	0.00
106.0	0.06	0.02	0.07	0.00	0.10	0.00	0.00
106.5	0.08	0.00	0.09	0.00	0.08	0.00	0.00
107.0	0.15	0.02	0.07	0.00	0.11	0.03	0.00
107.5	0.14	0.00	0.10	0.03	0.06	0.02	0.00
108.0	0.10	0.01	0.06	0.01	0.10	0.00	0.00
108.5	0.09	0.00	0.08	0.02	0.12	0.02	0.00
109.0	0.10	0.03	0.13	0.03	0.12	0.00	0.00
109.5	0.13	0.02	0.08	0.01	0.11	0.01	0.00
110.0	0.12	0.04	0.10	0.03	0.10	0.03	0.00
110.5	0.13	0.02	0.09	0.03	0.08	0.00	0.01
111.0	0.10	0.02	0.10	0.04	0.09	0.03	0.01
111.5	0.07	0.02	0.13	0.02	0.12	0.02	0.00
112.0	0.15	0.05	0.14	0.02	0.10	0.02	0.01
112.5	0.12	0.04	0.13	0.02	0.11	0.04	0.00
113.0	0.13	0.04	0.14	0.03	0.12	0.04	0.03
113.5	0.13	0.03	0.20	0.03	0.14	0.05	0.02
114.0	0.14	0.02	0.14	0.07	0.14	0.07	0.00
114.5	0.12	0.02	0.11	0.04	0.12	0.05	0.01
115.0	0.14	0.04	0.14	0.06	0.13	0.02	0.03
115.5	0.19	0.04	0.11	0.09	0.14	0.06	0.01
116.0	0.12	0.04	0.12	0.07	0.12	0.06	0.03
116.5	0.16	0.06	0.14	0.10	0.17	0.08	0.04
117.0	0.14	0.07	0.19	0.05	0.14	0.04	0.02
117.5	0.15	0.08	0.14	0.05	0.15	0.07	0.03
118.0	0.15	0.06	0.16	0.07	0.17	0.09	0.06
118.5	0.12	0.08	0.15	0.06	0.15	0.06	0.04
119.0	0.21	0.11	0.17	0.06	0.24	0.09	0.03
119.5	0.21	0.07	0.20	0.07	0.19	0.11	0.04
120.0	0.23	0.08	0.20	0.10	0.22	0.13	0.04
120.5	0.21	0.13	0.23	0.08	0.17	0.13	0.07
121.0	0.24	0.10	0.20	0.11	0.17	0.12	0.06
121.5	0.22	0.08	0.20	0.13	0.20	0.13	0.06
122.0	0.19	0.09	0.20	0.12	0.19	0.14	0.10
122.5	0.22	0.10	0.22	0.14	0.19	0.14	0.07
123.0	0.25	0.13	0.25	0.16	0.26	0.16	0.12
123.5	0.26	0.15	0.23	0.10	0.22	0.14	0.12

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CANDELA TABULATION - (Cont.)

124.0	0.26	0.15	0.24	0.16	0.23	0.21	0.12
124.5	0.23	0.17	0.22	0.16	0.24	0.19	0.10
125.0	0.23	0.15	0.24	0.16	0.28	0.16	0.11
125.5	0.23	0.19	0.27	0.15	0.29	0.16	0.12
126.0	0.27	0.21	0.23	0.15	0.30	0.21	0.13
126.5	0.29	0.25	0.26	0.24	0.31	0.16	0.13
127.0	0.34	0.16	0.26	0.22	0.33	0.21	0.13
127.5	0.33	0.19	0.28	0.23	0.33	0.23	0.15
128.0	0.31	0.20	0.33	0.29	0.31	0.28	0.12
128.5	0.34	0.22	0.29	0.25	0.34	0.27	0.15
129.0	0.35	0.19	0.30	0.19	0.27	0.22	0.09
129.5	0.36	0.25	0.33	0.25	0.37	0.28	0.21
130.0	0.35	0.28	0.28	0.26	0.41	0.27	0.13
130.5	0.30	0.26	0.35	0.25	0.36	0.28	0.17
131.0	0.33	0.26	0.41	0.28	0.35	0.29	0.17
131.5	0.35	0.22	0.35	0.29	0.35	0.24	0.22
132.0	0.34	0.29	0.39	0.29	0.34	0.31	0.16
132.5	0.37	0.29	0.39	0.27	0.41	0.30	0.25
133.0	0.42	0.31	0.40	0.33	0.35	0.34	0.22
133.5	0.44	0.34	0.40	0.32	0.37	0.31	0.27
134.0	0.39	0.35	0.42	0.31	0.42	0.31	0.27
134.5	0.38	0.33	0.39	0.36	0.44	0.33	0.28
135.0	0.47	0.37	0.42	0.34	0.45	0.33	0.21
135.5	0.45	0.37	0.42	0.36	0.47	0.33	0.29
136.0	0.46	0.37	0.46	0.35	0.39	0.36	0.28
136.5	0.43	0.34	0.47	0.36	0.44	0.39	0.28
137.0	0.47	0.42	0.53	0.42	0.46	0.39	0.33
137.5	0.48	0.41	0.48	0.39	0.46	0.43	0.33
138.0	0.47	0.42	0.47	0.44	0.51	0.43	0.31
138.5	0.46	0.43	0.49	0.38	0.53	0.42	0.29
139.0	0.49	0.46	0.51	0.44	0.50	0.44	0.30
139.5	0.56	0.46	0.51	0.41	0.52	0.47	0.36
140.0	0.58	0.38	0.50	0.43	0.53	0.44	0.37
140.5	0.52	0.46	0.59	0.45	0.51	0.45	0.31
141.0	0.54	0.41	0.49	0.45	0.53	0.47	0.35
141.5	0.56	0.45	0.57	0.42	0.48	0.48	0.36
142.0	0.59	0.47	0.56	0.47	0.51	0.45	0.35
142.5	0.54	0.53	0.60	0.46	0.56	0.52	0.38
143.0	0.52	0.46	0.62	0.52	0.56	0.52	0.42
143.5	0.58	0.52	0.51	0.50	0.58	0.51	0.39
144.0	0.65	0.56	0.56	0.54	0.58	0.53	0.39
144.5	0.70	0.51	0.61	0.52	0.61	0.53	0.42
145.0	0.70	0.57	0.60	0.58	0.59	0.62	0.44
145.5	0.64	0.58	0.63	0.57	0.59	0.58	0.47
146.0	0.62	0.61	0.60	0.58	0.65	0.52	0.49
146.5	0.66	0.54	0.63	0.54	0.62	0.58	0.44
147.0	0.66	0.54	0.62	0.57	0.66	0.58	0.51
147.5	0.65	0.59	0.64	0.60	0.59	0.64	0.51
148.0	0.72	0.62	0.64	0.62	0.61	0.59	0.47
148.5	0.67	0.66	0.72	0.60	0.69	0.64	0.51
149.0	0.68	0.63	0.74	0.67	0.68	0.61	0.47
149.5	0.71	0.71	0.68	0.64	0.67	0.64	0.56
150.0	0.70	0.66	0.65	0.62	0.69	0.58	0.51
150.5	0.80	0.63	0.68	0.64	0.71	0.61	0.58
151.0	0.74	0.63	0.66	0.67	0.73	0.67	0.58
151.5	0.70	0.67	0.70	0.64	0.75	0.61	0.61

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CANDELA TABULATION - (Cont.)

152.0	0.75	0.72	0.78	0.67	0.74	0.72	0.65
152.5	0.78	0.73	0.72	0.67	0.74	0.73	0.69
153.0	0.75	0.71	0.76	0.71	0.71	0.68	0.58
153.5	0.73	0.72	0.72	0.71	0.73	0.68	0.68
154.0	0.78	0.73	0.80	0.68	0.73	0.72	0.64
154.5	0.82	0.77	0.73	0.75	0.75	0.74	0.64
155.0	0.81	0.75	0.75	0.76	0.72	0.78	0.67
155.5	0.75	0.73	0.78	0.71	0.79	0.64	0.72
156.0	0.83	0.74	0.80	0.76	0.73	0.74	0.77
156.5	0.86	0.86	0.77	0.79	0.84	0.74	0.72
157.0	0.83	0.75	0.78	0.69	0.77	0.73	0.69
157.5	0.84	0.74	0.80	0.79	0.82	0.79	0.74
158.0	0.84	0.80	0.76	0.69	0.82	0.74	0.74
158.5	0.86	0.77	0.83	0.71	0.78	0.78	0.71
159.0	0.85	0.77	0.82	0.73	0.72	0.82	0.71
159.5	0.84	0.82	0.81	0.84	0.83	0.80	0.77
160.0	0.87	0.80	0.80	0.86	0.80	0.82	0.71
160.5	0.86	0.82	0.84	0.77	0.82	0.85	0.68
161.0	0.90	0.81	0.84	0.82	0.82	0.79	0.82
161.5	0.87	0.85	0.82	0.82	0.84	0.75	0.83
162.0	0.93	0.83	0.84	0.80	0.92	0.77	0.77
162.5	0.94	0.84	0.88	0.83	0.87	0.75	0.78
163.0	0.87	0.82	0.88	0.85	0.89	0.80	0.81
163.5	0.88	0.82	0.89	0.92	0.80	0.87	0.83
164.0	0.93	0.84	0.92	0.89	0.84	0.84	0.79
164.5	0.88	0.83	0.83	0.78	0.89	0.86	0.84
165.0	0.98	0.87	0.86	0.86	0.88	0.83	0.85
165.5	0.88	0.89	0.87	0.87	0.84	0.83	0.84
166.0	0.90	0.93	0.93	0.84	0.89	0.87	0.82
166.5	0.94	0.90	0.89	0.87	0.87	0.84	0.85
167.0	0.92	0.89	0.88	0.88	0.85	0.89	0.90
167.5	0.93	0.87	0.94	0.87	0.86	0.86	0.86
168.0	0.88	0.89	0.92	0.85	0.90	0.87	0.86
168.5	0.93	0.92	0.90	0.86	0.90	0.85	0.83
169.0	0.97	0.86	0.87	0.87	0.90	0.83	0.85
169.5	0.93	0.92	0.90	0.93	0.86	0.87	0.92
170.0	0.93	0.87	0.90	0.93	0.92	0.80	0.83
170.5	0.90	0.88	0.93	0.86	0.88	0.84	0.92
171.0	0.89	0.89	0.87	0.89	0.89	0.88	0.87
171.5	0.97	0.92	0.98	0.98	0.90	0.86	0.88
172.0	0.97	0.88	0.88	0.86	0.95	0.94	0.89
172.5	0.92	0.90	0.88	0.96	0.89	0.92	0.94
173.0	0.94	0.89	0.93	0.84	0.98	0.92	0.89
173.5	0.94	0.87	0.90	0.86	0.92	0.94	0.89
174.0	0.92	0.93	0.98	0.86	0.88	0.94	0.86
174.5	0.96	0.86	0.90	0.90	0.96	0.80	0.92
175.0	0.97	0.89	0.90	0.89	0.94	0.88	0.93
175.5	0.85	0.90	0.96	0.96	0.90	0.93	0.83
176.0	1.02	0.89	0.96	0.92	0.99	0.82	0.87
176.5	0.93	0.92	0.90	0.92	0.86	0.86	0.92
177.0	0.88	0.96	0.92	0.90	0.88	0.94	0.89
177.5	0.92	0.95	0.88	0.88	0.88	0.89	0.86
178.0	0.94	0.93	0.94	0.94	0.90	0.88	0.88
178.5	0.94	0.92	0.86	0.90	0.89	0.85	0.89
179.0	0.90	0.88	0.90	0.92	0.92	0.89	0.89
179.5	0.97	0.94	0.90	0.88	0.89	0.88	0.90

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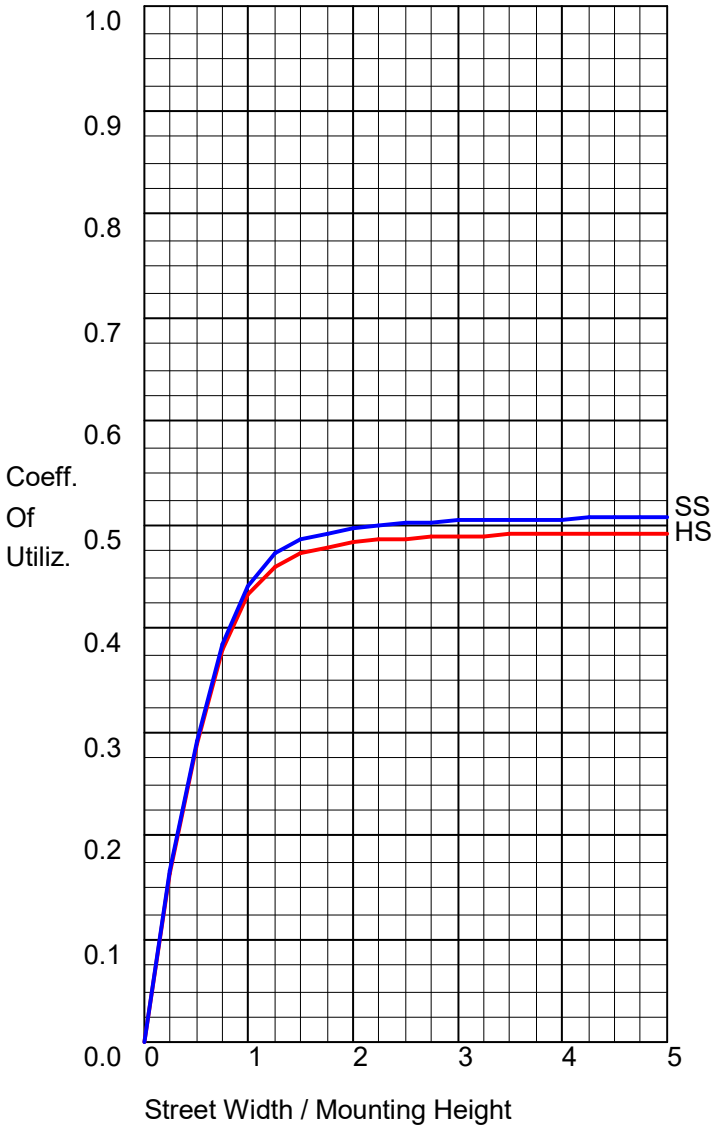
CANDELA TABULATION - (Cont.)

180.0	0.96	0.95	0.96	0.92	0.92	0.90	0.92

IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-125DB-50K.IES

COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	3078.4	49.2
Downward House Side	3177.1	50.8
Downward Total	6255.5	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.8	0.0
Upward Total	1.6	0.0
Total Flux	6257.1	100.0

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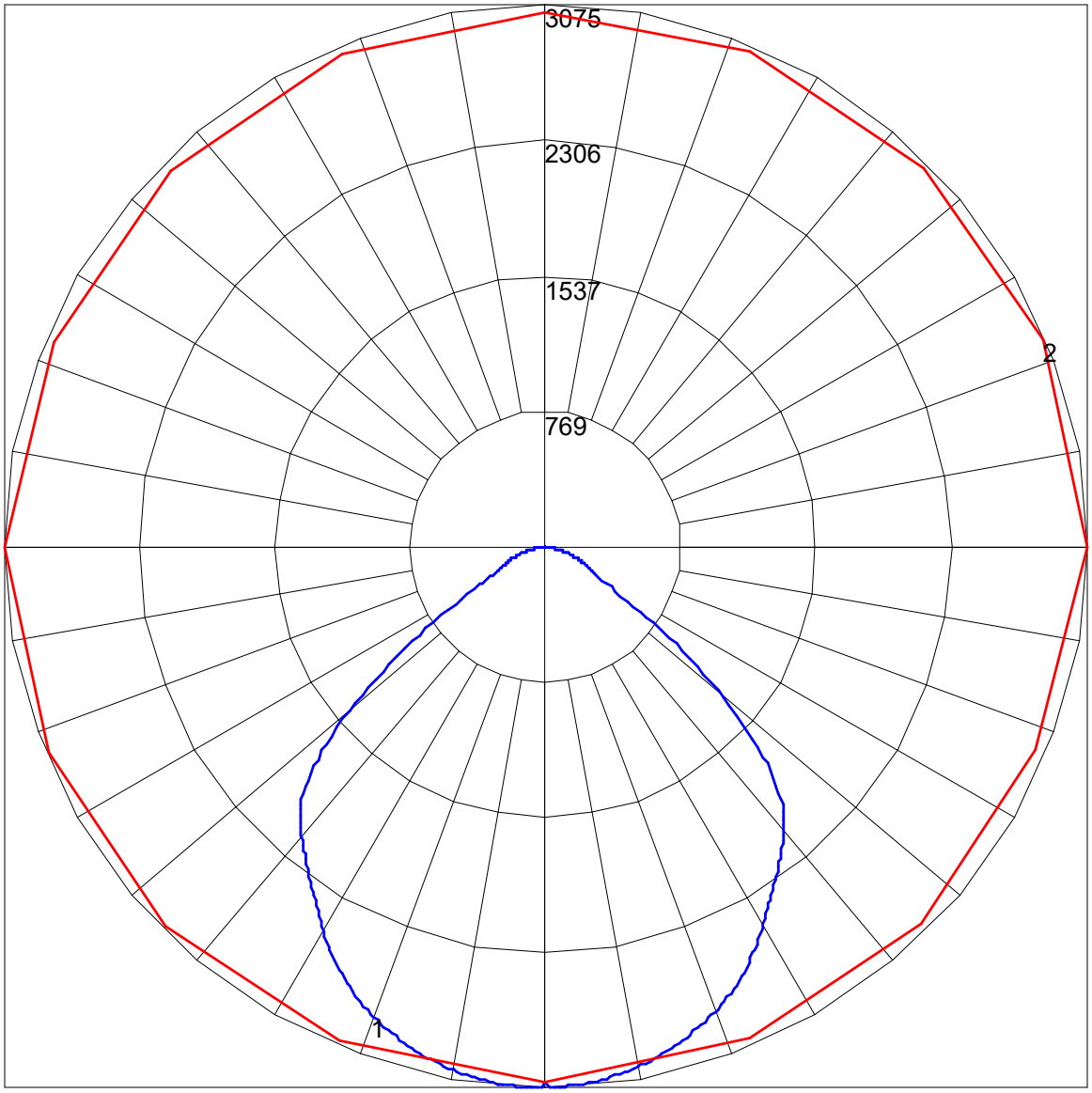
POLAR GRAPH



Maximum Candela = 3074.64 Located At Horizontal Angle = 180, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)

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IES ROAD REPORT
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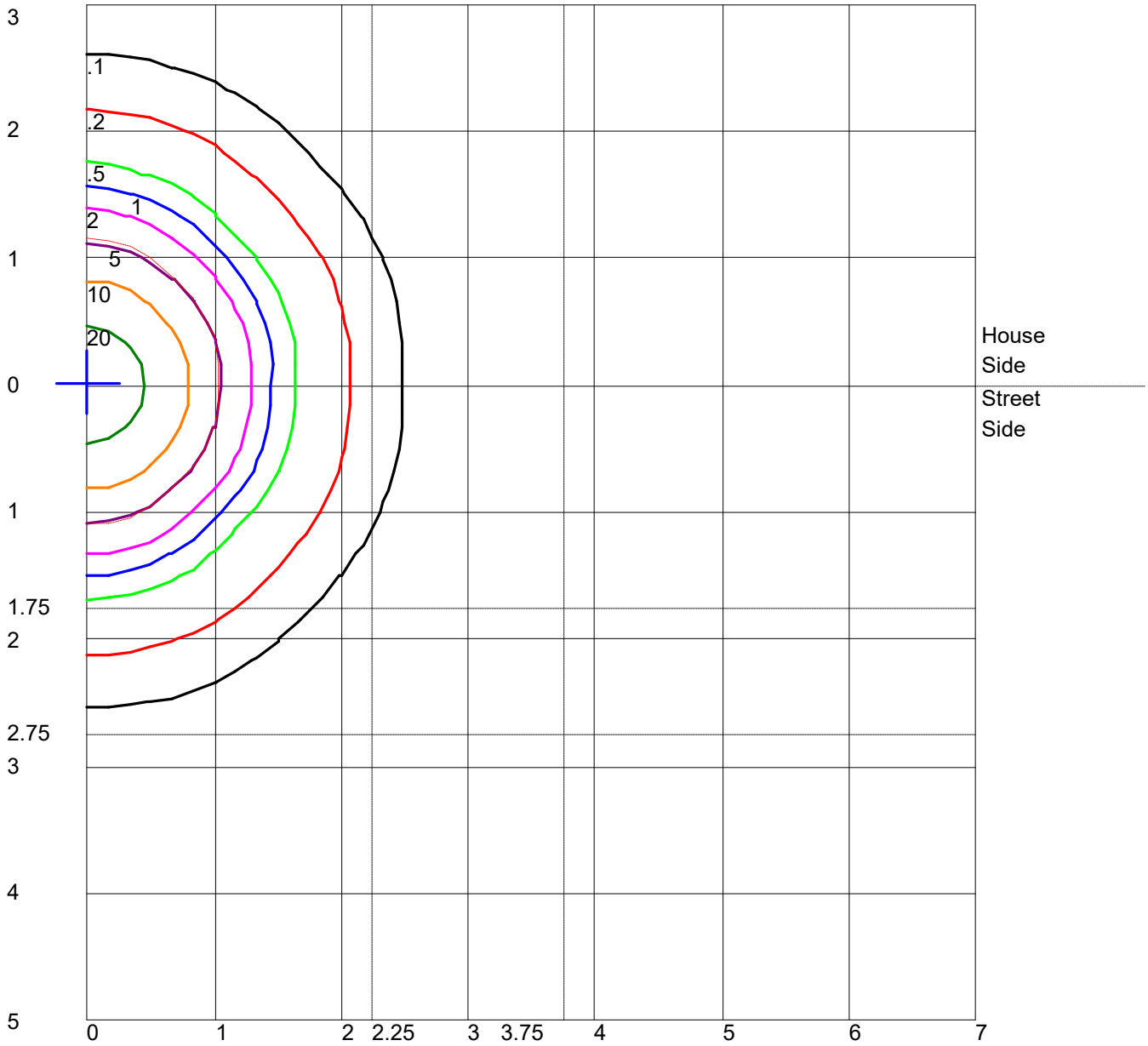
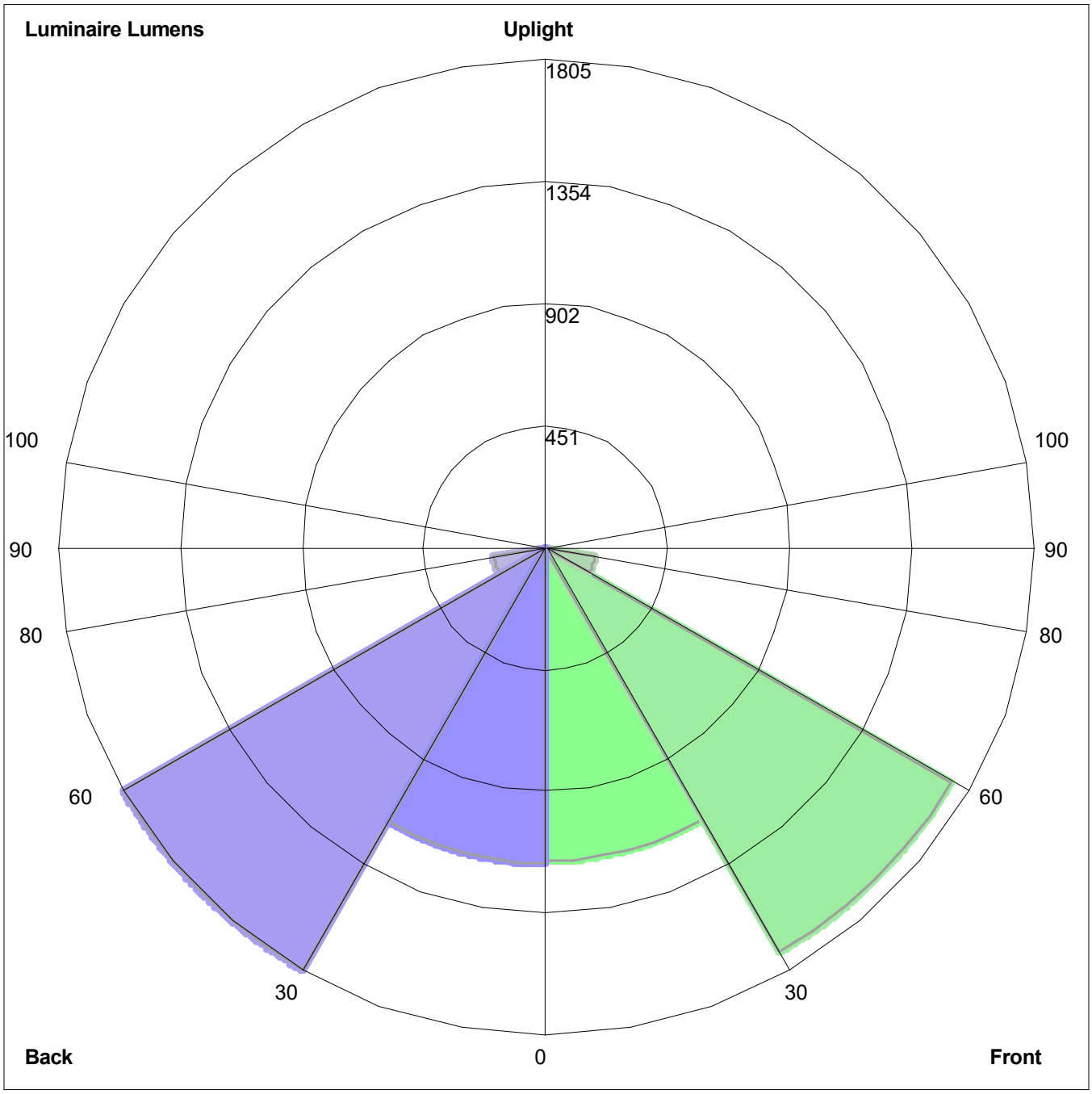
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-125DB-50K.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1160.6, Medium=1730.7, High=183.0, Very High=4.1
Back: Low=1169.4, Medium=1804.7, High=197.1, Very High=5.8
Uplight: Low=0.1, High=1.5

BUG Rating : B3-U1-G0

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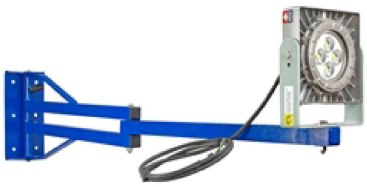
IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-140DB-50K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 173038
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 06-10-2017
[ISSUEDATE] 06-10-2017
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] EPL-SBDL-V2-50RT-24-1227-140DB-50K
[MORE] IRON X SERIES
[LUMINAIRE] CLASS 1 DIV 1 EXPLOSION PROOF LED DOCK LIGHT, LOW PROFILE
[MORE] 140 DEGREE BEAM, 120-277V AC 50/60 HZ, 5000K
[LAMP] CREE CXB1512
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-R5000 V2
[_SEARCH _SOURCETYPE] LED
[_SEARCH_APPLICATION] INDOOR, OUTDOOR, HARBOR, INDUSTRIAL, WATER TREATMENT, OIL FIELD, REFINERY, HIGH
[_SEARCH _MOUNTING] CEILING, SURFACE
[_SEARCH _CERTIFICATION] NEC, UL
[_SEARCH_COLORTEMP] 5000K
[_SEARCH_CRI] 85
[_SEARCH _CLASSIFICATION] CLASS I, CLASS II, DIVISION 1, DIVISION 2, GROUP C, GROUP D, GROUP E, GROUP F, GR

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	5402.97 (1 lamp)
Total Lamp Lumens	5402.97
Luminaire Lumens	5403
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	48.57
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1937.02
Maximum Candela Angle	225H 58.5V
Maximum Candela (<90 Degrees Vertical)	1937.02
Maximum Candela Angle (<90 Degrees Vertical)	225H 58.5V
Maximum Candela At 90 Degrees Vertical	.49 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	47.6 (0.9% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff



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IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-140DB-50K.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	395.1	7.3	7.3
FM - Front-Medium (30-60)	1528.4	28.3	28.3
FH - Front-High (60-80)	742.7	13.7	13.7
FVH - Front-Very High (80-90)	7.3	0.1	0.1
BL - Back-Low (0-30)	396.9	7.3	7.3
BM - Back-Medium (30-60)	1575.6	29.2	29.2
BH - Back-High (60-80)	748.3	13.9	13.9
BVH - Back-Very High (80-90)	7.4	0.1	0.1
UL - Uplight-Low (90-100)	0.2	0.0	0.0
UH - Uplight-High (100-180)	1.0	0.0	0.0
Total	5402.9	99.9	100.0
BUG Rating	B2-U1-G1		

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IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-140DB-50K.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1011.29	1011.29	1011.29	1011.29	1011.29	1011.29	1011.29	1011.29	1011.29	1011.29
0.5	1021.14	1017.66	1014.71	1011.32	1009.13	1007.17	1004.99	1003.35	1021.14	1017.21
1.0	1020.81	1017.87	1014.16	1011.54	1008.80	1007.07	1004.44	1003.24	1020.71	1016.78
1.5	1020.17	1017.43	1013.62	1010.99	1008.04	1006.41	1003.79	1002.80	1020.27	1015.91
2.0	1019.29	1016.78	1012.52	1010.55	1007.07	1005.97	1002.80	1002.25	1019.72	1015.04
2.5	1018.09	1015.91	1011.21	1009.68	1005.75	1004.99	1001.71	1001.49	1018.85	1014.16
3.0	1016.67	1014.59	1009.58	1008.49	1004.12	1003.90	999.96	1000.62	1017.76	1012.85
3.5	1014.92	1013.29	1007.28	1006.95	1001.82	1002.37	998.21	999.20	1016.34	1011.10
4.0	1012.96	1011.65	1004.77	1005.32	999.31	1000.19	996.15	997.57	1014.38	1008.70
4.5	1010.67	1009.36	1002.37	1002.80	996.79	998.11	993.53	995.38	1012.41	1006.51
5.0	1007.94	1007.39	999.31	1000.51	993.64	995.60	990.79	993.20	1009.90	1004.12
5.5	1004.99	1004.88	996.69	997.67	991.02	992.65	987.85	990.69	1007.28	1001.16
6.0	1001.94	1001.49	993.74	994.62	987.95	990.03	985.01	987.74	1004.55	998.44
6.5	998.77	998.66	990.25	991.56	984.35	987.30	982.17	985.23	1001.28	995.27
7.0	995.71	995.38	986.86	988.07	981.30	983.81	978.78	982.39	998.54	991.99
7.5	992.32	992.21	984.02	985.01	977.80	980.64	975.51	978.89	994.94	989.37
8.0	989.37	989.05	980.76	981.63	975.07	977.36	972.89	975.84	991.89	986.10
8.5	986.65	985.77	978.13	978.46	972.56	974.31	970.05	972.67	989.05	983.26
9.0	984.14	983.05	975.62	975.73	970.05	971.69	967.76	970.16	985.77	980.76
9.5	981.95	980.31	973.33	973.22	968.19	969.18	965.58	967.76	983.37	978.46
10.0	980.10	977.80	971.69	970.60	966.67	967.00	963.83	965.35	980.76	976.49
10.5	978.35	976.06	969.94	968.96	965.14	965.58	962.74	963.72	979.11	975.07
11.0	976.82	974.20	968.52	967.33	963.83	964.05	961.32	962.63	977.26	973.76
11.5	975.51	972.34	967.10	965.79	962.63	962.96	960.22	961.21	975.94	973.00
12.0	974.31	970.93	965.47	964.16	961.21	961.75	958.92	959.89	974.75	971.80
12.5	973.00	969.72	963.83	962.74	959.79	960.45	957.61	958.59	973.43	970.81
13.0	971.80	967.97	962.08	961.42	958.04	959.03	955.97	957.28	971.90	969.51
13.5	970.16	966.12	959.79	959.68	956.51	957.28	954.22	955.64	970.60	968.19
14.0	968.85	964.38	957.83	957.61	954.76	955.64	952.47	953.79	968.75	966.34
14.5	967.10	962.51	955.53	955.97	952.80	953.67	950.40	952.15	967.21	964.59
15.0	965.35	960.55	953.67	953.89	950.95	951.61	948.33	950.18	965.14	962.63
15.5	963.62	958.26	951.38	951.71	948.98	949.96	946.46	948.00	963.06	961.10
16.0	961.87	956.29	949.20	949.53	947.12	948.00	943.96	945.92	960.99	959.57
16.5	960.12	954.44	947.24	947.45	945.60	946.15	941.88	944.07	959.35	957.93
17.0	958.26	952.37	945.05	945.37	943.85	944.28	940.36	942.11	957.38	956.74
17.5	956.95	950.29	943.31	943.41	942.21	942.43	938.39	940.36	955.86	955.20
18.0	955.53	948.44	941.66	941.45	940.90	940.90	936.75	938.50	954.44	953.79
18.5	953.67	946.46	939.92	939.70	939.27	939.48	935.33	936.86	953.02	952.15
19.0	952.37	945.05	937.74	938.06	937.95	937.74	933.81	935.33	951.38	950.51
19.5	950.73	943.41	936.20	935.99	936.32	936.20	931.95	933.59	949.53	948.87
20.0	949.42	941.66	933.91	934.24	934.68	934.68	930.10	932.16	948.11	947.24
20.5	947.88	940.14	932.28	932.39	933.26	933.15	928.35	930.64	946.25	945.37
21.0	946.03	938.06	930.20	930.42	931.51	931.51	926.49	928.78	944.83	943.74
21.5	944.50	936.32	928.23	928.45	929.87	929.65	924.42	926.82	942.98	941.66
22.0	942.32	934.14	926.38	926.38	928.35	927.59	922.67	924.64	941.02	939.60
22.5	940.36	932.16	924.52	924.52	926.60	925.84	920.71	922.67	939.27	937.62
23.0	938.83	929.98	922.45	922.67	925.18	923.65	919.29	920.71	937.52	935.66
23.5	937.30	927.69	920.92	920.48	924.31	922.23	917.76	918.96	936.20	934.35
24.0	935.66	926.06	919.51	918.63	923.32	921.03	916.67	917.64	935.01	933.15
24.5	934.57	924.42	918.52	917.21	922.56	919.94	916.12	916.34	933.81	932.39
25.0	933.59	923.22	917.54	915.58	922.13	919.18	915.90	915.58	932.82	931.95
25.5	932.82	922.01	916.67	914.15	921.69	918.42	915.79	915.02	932.28	930.97
26.0	932.39	920.92	916.01	912.84	921.36	917.64	915.58	914.37	932.06	930.64

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CANDELA TABULATION - (Cont.)

26.5	932.39	919.83	915.25	911.75	921.58	917.10	915.58	914.37	931.62	930.20
27.0	932.06	919.06	915.14	910.99	921.69	916.55	915.25	914.26	931.40	929.77
27.5	932.28	918.19	914.92	910.12	922.23	916.01	915.14	913.93	931.51	929.77
28.0	932.60	917.64	914.70	909.35	922.78	916.01	915.02	914.05	931.95	929.77
28.5	933.04	917.21	914.59	908.91	923.43	916.01	915.02	914.26	932.28	930.31
29.0	933.91	917.10	914.37	908.59	924.42	916.34	915.02	914.81	932.93	931.19
29.5	934.78	916.88	914.70	908.70	925.73	916.67	915.90	915.58	933.69	932.82
30.0	935.99	917.21	915.25	908.47	927.26	917.43	917.00	916.34	935.11	934.35
30.5	937.52	917.54	916.23	909.02	928.89	918.30	918.30	917.54	936.32	936.32
31.0	939.48	918.30	917.10	909.57	930.97	919.61	920.48	919.29	938.28	939.04
31.5	942.21	918.85	918.73	910.44	932.93	921.03	923.10	921.47	940.79	942.32
32.0	945.49	919.83	920.60	911.42	936.20	922.34	926.16	924.19	943.41	946.69
32.5	949.53	921.36	923.00	912.84	939.27	924.85	929.77	928.56	946.91	951.38
33.0	954.88	923.32	926.60	914.70	942.75	927.59	934.35	933.04	951.49	956.74
33.5	960.66	926.38	930.64	917.10	947.45	930.64	941.12	938.61	956.08	962.84
34.0	966.67	930.31	935.33	919.94	952.37	934.90	949.20	945.70	962.51	969.06
34.5	974.97	935.44	942.54	923.10	959.35	940.03	961.97	954.00	968.96	975.62
35.0	983.81	940.36	951.71	927.26	967.00	948.33	977.48	964.81	975.73	984.47
35.5	995.49	947.24	965.35	932.72	977.04	958.47	999.75	981.07	984.57	994.73
36.0	1009.58	955.86	992.98	938.61	991.45	971.80	1025.18	1000.07	994.50	1008.16
36.5	1033.48	967.65	1019.72	947.12	1011.87	995.49	1051.61	1021.91	1006.51	1025.08
37.0	1067.22	989.27	1042.11	956.18	1045.82	1024.85	1086.55	1048.99	1025.08	1054.66
37.5	1089.71	1018.52	1060.88	968.75	1097.02	1055.75	1131.52	1082.28	1053.36	1097.02
38.0	1106.52	1043.64	1079.34	992.54	1152.48	1097.68	1165.04	1125.96	1098.99	1141.89
38.5	1126.06	1064.59	1106.63	1028.46	1183.49	1139.27	1181.85	1169.62	1144.95	1179.56
39.0	1144.73	1085.67	1137.97	1083.27	1198.67	1165.91	1182.94	1192.55	1182.18	1206.09
39.5	1175.96	1110.88	1148.56	1129.77	1201.28	1177.92	1178.25	1200.41	1206.86	1215.48
40.0	1200.74	1138.51	1143.97	1149.20	1186.65	1179.01	1161.00	1196.59	1211.87	1208.60
40.5	1200.09	1150.08	1130.21	1149.76	1167.44	1166.24	1137.64	1185.89	1201.72	1192.01
41.0	1188.73	1147.79	1113.62	1137.75	1149.10	1145.39	1121.92	1165.37	1184.04	1171.80
41.5	1171.26	1138.18	1101.50	1122.13	1135.56	1126.06	1111.76	1144.40	1166.13	1150.52
42.0	1156.20	1122.25	1095.82	1103.90	1129.67	1114.05	1107.83	1126.39	1149.65	1135.56
42.5	1147.47	1106.52	1096.37	1094.51	1129.56	1108.49	1108.27	1118.09	1139.39	1130.43
43.0	1147.68	1102.27	1100.29	1091.45	1134.25	1107.40	1113.62	1116.34	1136.22	1132.61
43.5	1152.60	1104.56	1107.83	1093.97	1142.01	1112.42	1122.25	1117.99	1137.97	1140.36
44.0	1160.89	1110.12	1119.18	1098.44	1153.14	1120.60	1136.00	1124.64	1144.19	1152.37
44.5	1171.49	1118.09	1132.29	1106.96	1168.21	1132.72	1151.61	1137.85	1153.90	1165.70
45.0	1186.33	1129.88	1149.98	1118.09	1185.35	1147.02	1169.30	1152.48	1168.32	1181.85
45.5	1202.38	1142.98	1168.32	1131.63	1207.18	1163.51	1191.24	1169.62	1185.23	1202.49
46.0	1221.04	1158.16	1188.51	1149.76	1229.01	1184.37	1213.62	1191.57	1204.12	1222.58
46.5	1244.96	1178.58	1214.49	1168.75	1253.14	1205.65	1241.90	1213.08	1227.27	1245.51
47.0	1268.32	1199.22	1239.50	1189.82	1281.75	1229.13	1269.08	1237.31	1249.86	1274.00
47.5	1296.60	1224.54	1266.14	1215.81	1309.37	1256.86	1298.78	1266.14	1278.15	1302.17
48.0	1323.57	1249.55	1297.90	1241.02	1338.84	1284.26	1333.93	1295.39	1305.98	1335.79
48.5	1352.72	1276.40	1328.48	1270.94	1374.00	1317.45	1366.58	1326.40	1335.46	1367.23
49.0	1387.54	1307.62	1360.90	1300.31	1407.96	1349.88	1401.08	1361.99	1370.62	1401.08
49.5	1419.31	1338.41	1398.35	1331.64	1444.75	1384.16	1441.58	1395.40	1404.35	1441.04
50.0	1452.83	1371.49	1434.16	1369.20	1485.79	1424.66	1478.70	1435.46	1440.38	1478.37
50.5	1491.25	1410.68	1474.23	1404.90	1524.23	1462.55	1520.85	1473.47	1481.44	1517.35
51.0	1526.74	1446.83	1511.02	1446.71	1566.37	1501.41	1560.14	1512.76	1518.77	1561.56
51.5	1566.15	1488.31	1549.01	1484.38	1603.28	1545.30	1599.45	1557.09	1561.79	1601.30
52.0	1601.42	1526.74	1591.37	1522.48	1638.10	1584.49	1642.36	1596.94	1600.87	1644.21
52.5	1635.59	1564.84	1629.03	1565.17	1674.89	1627.94	1681.44	1635.48	1638.65	1683.63
53.0	1671.62	1606.66	1666.16	1602.83	1705.03	1664.30	1719.00	1677.84	1679.59	1720.20
53.5	1701.20	1644.11	1705.46	1638.32	1730.35	1697.49	1758.74	1713.76	1713.21	1756.12
54.0	1728.82	1679.15	1739.64	1674.13	1754.15	1731.11	1793.02	1748.58	1742.36	1784.84

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CANDELA TABULATION - (Cont.)

54.5	1754.81	1714.08	1775.88	1702.84	1773.70	1758.30	1824.90	1776.64	1769.33	1810.05
55.0	1775.22	1742.69	1804.37	1730.79	1792.80	1781.44	1856.78	1801.20	1790.73	1832.43
55.5	1795.20	1770.20	1827.84	1751.32	1808.08	1802.85	1881.78	1823.16	1813.87	1848.05
56.0	1810.27	1790.73	1849.24	1768.01	1820.09	1817.80	1901.22	1838.98	1830.35	1862.35
56.5	1822.71	1808.31	1862.45	1783.85	1830.47	1831.56	1912.35	1851.98	1844.88	1870.21
57.0	1834.29	1823.37	1868.36	1795.10	1836.26	1840.63	1915.62	1861.03	1856.78	1876.65
57.5	1841.27	1832.87	1868.67	1802.74	1838.22	1847.28	1912.24	1866.94	1864.75	1882.54
58.0	1844.22	1839.20	1861.80	1808.63	1838.22	1851.98	1902.31	1870.65	1870.09	1884.29
58.5	1844.55	1841.27	1848.48	1810.27	1834.51	1852.85	1886.37	1870.65	1872.83	1883.42
59.0	1841.27	1840.07	1830.25	1808.08	1826.75	1850.56	1862.67	1868.46	1873.59	1878.50
59.5	1832.98	1834.51	1808.41	1802.52	1815.73	1843.78	1834.94	1860.27	1869.77	1869.66
60.0	1820.97	1825.12	1778.72	1793.13	1798.59	1834.07	1797.49	1848.15	1863.11	1859.29
60.5	1805.24	1811.69	1745.10	1780.14	1771.73	1818.24	1758.74	1832.65	1851.53	1844.34
61.0	1784.18	1792.36	1705.46	1763.54	1744.98	1798.81	1713.87	1810.49	1833.30	1828.39
61.5	1761.36	1772.83	1654.04	1741.93	1716.16	1774.79	1658.62	1787.34	1812.12	1805.46
62.0	1734.18	1748.81	1600.98	1712.12	1679.15	1740.61	1602.72	1761.36	1786.14	1777.19
62.5	1701.75	1718.78	1535.58	1679.59	1641.16	1703.71	1540.71	1728.50	1754.59	1742.91
63.0	1667.58	1687.89	1473.68	1641.48	1598.58	1662.88	1468.11	1694.65	1725.00	1695.96
63.5	1628.60	1648.15	1409.48	1593.88	1548.91	1611.46	1399.88	1652.51	1688.32	1647.38
64.0	1590.06	1606.87	1335.46	1547.49	1501.08	1558.51	1329.34	1609.60	1652.07	1586.02
64.5	1548.25	1560.26	1266.03	1490.16	1443.88	1494.86	1249.43	1560.91	1608.73	1524.23
65.0	1497.80	1502.06	1193.86	1433.40	1384.49	1433.61	1174.87	1501.08	1560.14	1459.38
65.5	1447.59	1444.64	1108.27	1373.02	1320.61	1368.98	1087.31	1442.67	1512.44	1382.52
66.0	1390.26	1382.74	1029.55	1299.65	1244.63	1289.60	1004.66	1378.04	1457.63	1309.37
66.5	1317.23	1306.53	940.79	1228.69	1168.53	1213.29	919.06	1300.52	1389.72	1231.20
67.0	1248.01	1231.42	857.17	1145.17	1090.03	1119.51	822.56	1222.03	1326.19	1137.42
67.5	1168.42	1143.43	772.23	1064.49	1004.66	1033.05	733.69	1130.00	1251.73	1046.36
68.0	1090.03	1061.76	676.37	979.44	909.79	949.63	644.60	1040.36	1154.35	951.61
68.5	1005.32	977.15	595.14	880.74	805.42	850.83	573.86	945.70	1066.89	847.01
69.0	897.56	876.05	497.25	788.05	719.71	751.15	455.02	840.90	977.69	750.50
69.5	792.42	781.29	414.42	693.62	612.72	654.64	366.35	739.80	874.74	640.23
70.0	695.80	682.16	335.85	584.66	492.33	544.15	296.11	639.03	758.69	576.58
70.5	599.61	577.01	264.37	491.64	406.51	415.77	227.47	540.55	648.42	449.57
71.0	465.63	482.80	199.95	392.42	296.35	361.99	156.94	409.01	536.51	353.74
71.5	357.60	383.34	144.25	312.27	212.33	273.55	108.23	345.33	388.73	266.33
72.0	267.03	305.80	97.36	228.78	158.55	194.75	78.64	257.29	313.63	189.00
72.5	193.33	225.98	72.08	155.83	130.38	134.06	64.53	190.45	221.78	128.45
73.0	139.52	156.40	62.32	115.16	116.08	104.77	59.78	141.26	151.79	99.14
73.5	114.87	115.91	58.29	93.18	105.21	88.65	57.28	113.27	119.28	83.28
74.0	101.45	92.85	56.17	80.29	95.98	77.99	55.31	94.50	105.05	73.39
74.5	93.29	78.45	54.11	72.70	89.76	71.91	53.91	79.65	95.79	68.18
75.0	87.45	70.49	51.94	66.64	85.13	67.18	51.73	69.95	90.51	64.38
75.5	82.89	64.97	49.76	62.85	81.15	64.26	49.81	62.84	85.58	61.91
76.0	79.60	62.02	47.19	59.94	77.60	61.96	47.62	60.37	82.43	59.83
76.5	76.16	60.09	44.75	57.35	73.18	59.17	44.86	58.73	79.18	57.00
77.0	72.33	57.57	42.02	54.72	68.90	56.13	42.26	56.37	75.16	54.64
77.5	68.68	54.83	39.63	51.69	64.49	52.72	39.64	53.55	71.17	50.38
78.0	64.67	51.83	37.17	48.15	59.51	49.09	36.74	50.45	66.79	46.38
78.5	59.95	48.31	34.36	45.12	55.54	45.72	34.13	46.81	61.72	42.95
79.0	55.83	45.05	31.73	41.97	50.27	42.31	31.17	43.52	57.12	39.23
79.5	50.67	41.42	29.15	37.97	46.23	38.04	28.56	38.27	52.53	35.73
80.0	46.45	37.72	26.43	35.03	42.44	35.08	26.06	36.71	47.60	32.16
80.5	42.37	35.20	24.11	31.49	38.48	31.50	23.53	33.34	43.23	28.41
81.0	38.00	31.65	21.80	28.62	35.05	28.62	21.48	29.83	38.01	25.29
81.5	34.36	28.65	19.96	26.00	31.90	26.01	19.61	26.94	35.37	22.22
82.0	30.93	25.62	18.12	23.31	28.64	23.30	17.58	24.11	32.02	19.80

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CANDELA TABULATION - (Cont.)

82.5	27.46	23.20	16.12	21.19	25.92	21.12	15.88	21.83	28.59	17.72
83.0	24.59	20.99	14.55	19.28	23.13	19.22	14.34	19.81	25.81	15.68
83.5	21.68	18.83	13.17	17.36	20.67	17.23	12.81	17.90	22.87	14.05
84.0	19.39	17.07	11.73	15.77	18.16	15.58	11.57	16.31	20.41	12.62
84.5	17.30	15.44	10.58	14.19	15.34	13.95	10.29	14.86	18.13	11.14
85.0	15.07	13.88	9.38	12.82	12.77	12.54	9.15	13.36	15.80	9.88
85.5	12.97	12.53	7.69	11.44	10.08	11.14	7.72	12.09	13.82	8.60
86.0	10.57	11.21	5.82	9.54	7.16	9.22	5.74	10.84	11.90	7.36
86.5	7.45	9.36	4.32	7.44	5.25	7.20	4.27	9.34	9.70	5.79
87.0	5.06	7.23	2.57	5.21	2.44	5.38	2.82	7.58	7.55	4.28
87.5	3.13	4.81	0.45	2.06	0.34	2.19	0.70	5.42	5.37	3.06
88.0	1.20	1.77	0.00	0.69	0.01	0.75	0.05	2.16	2.11	1.01
88.5	0.06	0.61	0.00	0.40	0.00	0.47	0.00	0.88	0.96	0.07
89.0	0.00	0.44	0.00	0.42	0.00	0.38	0.00	0.48	0.69	0.02
89.5	0.00	0.35	0.00	0.37	0.00	0.39	0.00	0.39	0.60	0.00
90.0	0.00	0.35	0.00	0.31	0.00	0.31	0.00	0.32	0.49	0.01
90.5	0.01	0.39	0.00	0.28	0.00	0.27	0.00	0.31	0.51	0.02
91.0	0.00	0.30	0.01	0.30	0.00	0.29	0.00	0.32	0.45	0.01
91.5	0.00	0.34	0.00	0.24	0.00	0.27	0.00	0.23	0.44	0.01
92.0	0.00	0.27	0.00	0.27	0.00	0.25	0.00	0.30	0.40	0.02
92.5	0.00	0.27	0.02	0.27	0.00	0.23	0.00	0.23	0.42	0.00
93.0	0.02	0.29	0.00	0.27	0.00	0.25	0.00	0.25	0.43	0.02
93.5	0.00	0.27	0.00	0.26	0.00	0.24	0.00	0.20	0.33	0.00
94.0	0.01	0.21	0.00	0.21	0.00	0.22	0.00	0.17	0.32	0.03
94.5	0.00	0.22	0.00	0.25	0.00	0.21	0.00	0.25	0.35	0.03
95.0	0.01	0.20	0.00	0.17	0.00	0.17	0.00	0.19	0.30	0.03
95.5	0.00	0.22	0.00	0.19	0.00	0.20	0.00	0.17	0.36	0.03
96.0	0.00	0.16	0.00	0.15	0.01	0.17	0.00	0.19	0.38	0.03
96.5	0.01	0.24	0.00	0.20	0.00	0.16	0.00	0.17	0.30	0.02
97.0	0.00	0.20	0.00	0.20	0.00	0.16	0.01	0.17	0.31	0.05
97.5	0.00	0.20	0.01	0.13	0.00	0.15	0.02	0.19	0.33	0.04
98.0	0.02	0.14	0.00	0.23	0.00	0.20	0.02	0.14	0.31	0.07
98.5	0.02	0.23	0.01	0.16	0.00	0.16	0.03	0.14	0.32	0.03
99.0	0.00	0.21	0.00	0.20	0.02	0.17	0.03	0.14	0.33	0.06
99.5	0.00	0.16	0.00	0.21	0.01	0.14	0.00	0.21	0.32	0.10
100.0	0.00	0.16	0.00	0.20	0.02	0.15	0.01	0.19	0.31	0.03
100.5	0.03	0.13	0.00	0.17	0.00	0.15	0.03	0.16	0.30	0.06
101.0	0.02	0.19	0.01	0.20	0.02	0.19	0.01	0.12	0.29	0.05
101.5	0.01	0.17	0.03	0.13	0.01	0.14	0.02	0.21	0.30	0.06
102.0	0.04	0.22	0.01	0.20	0.02	0.15	0.00	0.15	0.32	0.06
102.5	0.01	0.17	0.02	0.14	0.00	0.19	0.00	0.15	0.28	0.07
103.0	0.01	0.16	0.01	0.24	0.03	0.19	0.01	0.20	0.26	0.08
103.5	0.03	0.20	0.02	0.19	0.04	0.21	0.03	0.14	0.31	0.08
104.0	0.04	0.21	0.01	0.14	0.05	0.22	0.05	0.12	0.26	0.06
104.5	0.05	0.19	0.05	0.23	0.06	0.15	0.04	0.21	0.29	0.10
105.0	0.09	0.22	0.06	0.14	0.05	0.16	0.04	0.17	0.29	0.11
105.5	0.04	0.19	0.02	0.23	0.05	0.14	0.02	0.15	0.31	0.07
106.0	0.03	0.19	0.02	0.15	0.04	0.17	0.02	0.19	0.30	0.08
106.5	0.06	0.13	0.02	0.22	0.02	0.21	0.03	0.19	0.32	0.10
107.0	0.06	0.19	0.04	0.14	0.06	0.22	0.02	0.15	0.28	0.04
107.5	0.05	0.17	0.05	0.22	0.03	0.20	0.02	0.19	0.30	0.09
108.0	0.04	0.23	0.08	0.20	0.04	0.20	0.06	0.15	0.28	0.09
108.5	0.04	0.23	0.03	0.23	0.05	0.16	0.07	0.14	0.33	0.16
109.0	0.07	0.20	0.05	0.16	0.05	0.17	0.04	0.13	0.28	0.10
109.5	0.06	0.22	0.07	0.17	0.04	0.14	0.05	0.20	0.30	0.08
110.0	0.09	0.21	0.06	0.20	0.09	0.24	0.03	0.24	0.29	0.10

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CANDELA TABULATION - (Cont.)

110.5	0.12	0.21	0.03	0.24	0.07	0.21	0.07	0.20	0.28	0.12
111.0	0.10	0.24	0.07	0.22	0.05	0.24	0.04	0.20	0.27	0.15
111.5	0.11	0.24	0.08	0.22	0.07	0.21	0.05	0.24	0.30	0.12
112.0	0.09	0.19	0.08	0.19	0.05	0.16	0.06	0.24	0.35	0.14
112.5	0.12	0.17	0.10	0.23	0.10	0.17	0.09	0.16	0.31	0.12
113.0	0.07	0.22	0.08	0.22	0.08	0.20	0.08	0.21	0.29	0.13
113.5	0.07	0.22	0.08	0.19	0.13	0.23	0.08	0.20	0.27	0.19
114.0	0.10	0.22	0.09	0.23	0.09	0.13	0.05	0.21	0.33	0.12
114.5	0.10	0.23	0.08	0.25	0.07	0.19	0.08	0.17	0.30	0.13
115.0	0.09	0.21	0.09	0.25	0.09	0.17	0.09	0.20	0.29	0.16
115.5	0.09	0.25	0.10	0.21	0.11	0.23	0.05	0.25	0.34	0.14
116.0	0.11	0.22	0.08	0.28	0.10	0.21	0.08	0.24	0.32	0.15
116.5	0.12	0.23	0.10	0.19	0.07	0.22	0.08	0.25	0.32	0.19
117.0	0.10	0.28	0.10	0.21	0.10	0.21	0.07	0.27	0.32	0.16
117.5	0.10	0.21	0.13	0.26	0.12	0.24	0.11	0.22	0.38	0.17
118.0	0.08	0.24	0.10	0.25	0.12	0.28	0.10	0.22	0.31	0.19
118.5	0.11	0.29	0.08	0.25	0.12	0.24	0.07	0.24	0.35	0.13
119.0	0.11	0.25	0.11	0.20	0.12	0.24	0.07	0.19	0.29	0.20
119.5	0.14	0.25	0.10	0.27	0.14	0.20	0.08	0.24	0.33	0.15
120.0	0.14	0.26	0.09	0.26	0.11	0.21	0.12	0.27	0.34	0.15
120.5	0.13	0.26	0.11	0.22	0.12	0.22	0.12	0.19	0.39	0.15
121.0	0.15	0.25	0.11	0.28	0.12	0.19	0.10	0.19	0.32	0.23
121.5	0.13	0.22	0.13	0.26	0.15	0.21	0.13	0.20	0.33	0.21
122.0	0.11	0.22	0.10	0.22	0.12	0.24	0.11	0.25	0.33	0.15
122.5	0.15	0.24	0.13	0.28	0.09	0.22	0.13	0.17	0.32	0.21
123.0	0.14	0.29	0.17	0.26	0.12	0.23	0.10	0.24	0.31	0.22
123.5	0.12	0.26	0.15	0.22	0.08	0.23	0.09	0.24	0.34	0.20
124.0	0.13	0.27	0.11	0.21	0.13	0.23	0.11	0.20	0.32	0.21
124.5	0.11	0.26	0.19	0.24	0.17	0.23	0.12	0.20	0.31	0.20
125.0	0.12	0.25	0.09	0.23	0.11	0.22	0.14	0.24	0.32	0.17
125.5	0.07	0.22	0.13	0.19	0.16	0.14	0.11	0.22	0.35	0.20
126.0	0.12	0.28	0.11	0.24	0.14	0.22	0.15	0.20	0.35	0.22
126.5	0.15	0.21	0.12	0.22	0.14	0.24	0.10	0.21	0.33	0.21
127.0	0.17	0.25	0.15	0.23	0.15	0.22	0.14	0.23	0.29	0.15
127.5	0.15	0.19	0.12	0.27	0.13	0.20	0.10	0.24	0.29	0.22
128.0	0.20	0.22	0.10	0.28	0.15	0.26	0.12	0.21	0.33	0.20
128.5	0.20	0.28	0.14	0.25	0.13	0.16	0.13	0.17	0.32	0.23
129.0	0.15	0.25	0.15	0.25	0.15	0.25	0.14	0.21	0.31	0.20
129.5	0.12	0.29	0.13	0.22	0.12	0.25	0.09	0.22	0.33	0.22
130.0	0.12	0.25	0.11	0.24	0.15	0.23	0.10	0.21	0.33	0.27
130.5	0.12	0.25	0.16	0.22	0.16	0.22	0.14	0.19	0.29	0.21
131.0	0.19	0.23	0.21	0.27	0.20	0.17	0.11	0.20	0.28	0.24
131.5	0.16	0.25	0.15	0.26	0.15	0.21	0.15	0.17	0.33	0.20
132.0	0.16	0.27	0.15	0.23	0.15	0.28	0.09	0.22	0.32	0.21
132.5	0.19	0.25	0.17	0.25	0.13	0.24	0.10	0.15	0.36	0.25
133.0	0.14	0.27	0.16	0.25	0.16	0.23	0.13	0.24	0.34	0.22
133.5	0.22	0.26	0.12	0.25	0.15	0.22	0.15	0.22	0.30	0.21
134.0	0.16	0.23	0.16	0.23	0.16	0.20	0.11	0.22	0.32	0.19
134.5	0.20	0.31	0.17	0.32	0.15	0.26	0.16	0.23	0.36	0.25
135.0	0.16	0.31	0.16	0.25	0.15	0.25	0.22	0.20	0.39	0.22
135.5	0.16	0.27	0.12	0.24	0.17	0.27	0.15	0.24	0.32	0.28
136.0	0.17	0.24	0.17	0.28	0.20	0.24	0.12	0.25	0.29	0.29
136.5	0.17	0.26	0.22	0.23	0.21	0.20	0.15	0.26	0.35	0.26
137.0	0.19	0.27	0.16	0.27	0.20	0.24	0.19	0.23	0.37	0.29
137.5	0.22	0.29	0.15	0.26	0.19	0.25	0.15	0.22	0.33	0.23
138.0	0.14	0.29	0.19	0.30	0.23	0.24	0.16	0.20	0.35	0.24

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CANDELA TABULATION - (Cont.)

138.5	0.22	0.28	0.21	0.26	0.17	0.29	0.19	0.20	0.32	0.26
139.0	0.21	0.27	0.25	0.28	0.23	0.28	0.21	0.28	0.29	0.24
139.5	0.25	0.29	0.16	0.32	0.14	0.30	0.15	0.25	0.29	0.26
140.0	0.20	0.27	0.21	0.31	0.17	0.32	0.21	0.25	0.36	0.25
140.5	0.24	0.32	0.24	0.28	0.20	0.27	0.24	0.30	0.33	0.22
141.0	0.27	0.33	0.21	0.35	0.17	0.25	0.21	0.27	0.29	0.22
141.5	0.22	0.30	0.22	0.24	0.19	0.27	0.23	0.30	0.37	0.24
142.0	0.21	0.29	0.25	0.30	0.22	0.27	0.21	0.24	0.34	0.34
142.5	0.20	0.31	0.17	0.30	0.16	0.25	0.19	0.26	0.32	0.25
143.0	0.24	0.26	0.26	0.27	0.16	0.27	0.16	0.27	0.31	0.23
143.5	0.26	0.33	0.25	0.33	0.20	0.26	0.24	0.25	0.32	0.24
144.0	0.28	0.28	0.22	0.29	0.22	0.29	0.20	0.32	0.32	0.23
144.5	0.27	0.29	0.20	0.25	0.23	0.27	0.24	0.23	0.26	0.26
145.0	0.26	0.29	0.23	0.31	0.24	0.22	0.22	0.28	0.32	0.12
145.5	0.26	0.33	0.22	0.31	0.26	0.30	0.22	0.31	0.33	0.24
146.0	0.23	0.29	0.24	0.28	0.26	0.27	0.28	0.22	0.29	0.22
146.5	0.26	0.32	0.23	0.28	0.23	0.26	0.19	0.28	0.31	0.17
147.0	0.27	0.36	0.23	0.29	0.25	0.27	0.21	0.24	0.29	0.21
147.5	0.30	0.28	0.24	0.30	0.23	0.24	0.22	0.26	0.25	0.24
148.0	0.29	0.30	0.21	0.31	0.23	0.29	0.17	0.31	0.26	0.23
148.5	0.25	0.28	0.28	0.27	0.23	0.30	0.15	0.27	0.29	0.19
149.0	0.25	0.30	0.23	0.31	0.16	0.25	0.22	0.29	0.27	0.24
149.5	0.20	0.28	0.23	0.32	0.27	0.29	0.21	0.25	0.26	0.19
150.0	0.20	0.29	0.21	0.30	0.24	0.28	0.16	0.27	0.25	0.20
150.5	0.22	0.28	0.24	0.33	0.22	0.30	0.21	0.23	0.29	0.15
151.0	0.25	0.31	0.23	0.27	0.22	0.30	0.25	0.26	0.30	0.25
151.5	0.24	0.27	0.21	0.32	0.22	0.24	0.19	0.23	0.30	0.21
152.0	0.21	0.27	0.21	0.29	0.20	0.30	0.21	0.24	0.28	0.24
152.5	0.24	0.29	0.26	0.35	0.25	0.24	0.14	0.25	0.26	0.22
153.0	0.28	0.32	0.25	0.29	0.21	0.31	0.23	0.28	0.31	0.19
153.5	0.25	0.31	0.23	0.31	0.20	0.30	0.26	0.21	0.27	0.23
154.0	0.29	0.27	0.24	0.30	0.24	0.25	0.20	0.27	0.27	0.23
154.5	0.25	0.29	0.22	0.27	0.23	0.28	0.14	0.25	0.23	0.20
155.0	0.26	0.32	0.23	0.26	0.22	0.28	0.16	0.24	0.24	0.21
155.5	0.26	0.28	0.24	0.27	0.21	0.24	0.19	0.25	0.30	0.21
156.0	0.23	0.32	0.24	0.28	0.23	0.30	0.22	0.23	0.24	0.24
156.5	0.21	0.30	0.20	0.24	0.24	0.28	0.22	0.21	0.26	0.27
157.0	0.24	0.30	0.24	0.25	0.25	0.27	0.26	0.25	0.26	0.16
157.5	0.25	0.28	0.21	0.27	0.20	0.27	0.22	0.19	0.28	0.19
158.0	0.21	0.25	0.21	0.27	0.22	0.21	0.16	0.27	0.23	0.11
158.5	0.27	0.27	0.19	0.22	0.24	0.19	0.15	0.25	0.24	0.19
159.0	0.23	0.27	0.26	0.28	0.17	0.23	0.17	0.23	0.27	0.19
159.5	0.22	0.26	0.21	0.26	0.22	0.22	0.22	0.24	0.26	0.16
160.0	0.29	0.27	0.23	0.25	0.20	0.24	0.22	0.33	0.26	0.22
160.5	0.21	0.26	0.21	0.25	0.15	0.24	0.20	0.19	0.22	0.19
161.0	0.22	0.21	0.17	0.24	0.16	0.22	0.17	0.24	0.21	0.19
161.5	0.21	0.24	0.19	0.26	0.20	0.21	0.16	0.19	0.24	0.19
162.0	0.24	0.28	0.20	0.26	0.21	0.31	0.16	0.23	0.24	0.21
162.5	0.24	0.25	0.19	0.20	0.19	0.19	0.19	0.24	0.20	0.20
163.0	0.20	0.23	0.19	0.21	0.23	0.21	0.13	0.19	0.25	0.20
163.5	0.21	0.29	0.17	0.24	0.15	0.23	0.15	0.20	0.23	0.24
164.0	0.21	0.22	0.16	0.22	0.21	0.24	0.17	0.24	0.22	0.15
164.5	0.20	0.21	0.15	0.22	0.19	0.23	0.16	0.20	0.26	0.22
165.0	0.24	0.27	0.17	0.19	0.19	0.27	0.16	0.21	0.20	0.22
165.5	0.23	0.25	0.17	0.21	0.16	0.21	0.17	0.21	0.19	0.22
166.0	0.15	0.20	0.21	0.20	0.16	0.19	0.17	0.26	0.22	0.23

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CANDELA TABULATION - (Cont.)

166.5	0.16	0.25	0.19	0.19	0.16	0.22	0.17	0.24	0.24	0.23
167.0	0.20	0.22	0.22	0.22	0.19	0.23	0.17	0.26	0.24	0.20
167.5	0.22	0.25	0.13	0.22	0.17	0.20	0.19	0.21	0.22	0.14
168.0	0.21	0.24	0.20	0.20	0.16	0.19	0.16	0.17	0.27	0.21
168.5	0.17	0.23	0.20	0.21	0.22	0.14	0.14	0.25	0.24	0.20
169.0	0.23	0.27	0.20	0.22	0.16	0.16	0.11	0.21	0.21	0.15
169.5	0.19	0.25	0.19	0.21	0.19	0.22	0.16	0.20	0.26	0.20
170.0	0.16	0.25	0.13	0.17	0.20	0.22	0.14	0.16	0.23	0.16
170.5	0.15	0.23	0.20	0.21	0.14	0.24	0.13	0.21	0.20	0.19
171.0	0.14	0.21	0.15	0.16	0.13	0.17	0.13	0.20	0.16	0.15
171.5	0.21	0.25	0.15	0.17	0.14	0.17	0.14	0.20	0.22	0.19
172.0	0.15	0.22	0.21	0.21	0.15	0.20	0.14	0.21	0.25	0.15
172.5	0.22	0.22	0.10	0.22	0.16	0.21	0.15	0.14	0.26	0.14
173.0	0.21	0.15	0.19	0.23	0.15	0.15	0.16	0.12	0.21	0.14
173.5	0.17	0.24	0.12	0.16	0.14	0.19	0.15	0.15	0.20	0.16
174.0	0.19	0.21	0.19	0.19	0.15	0.21	0.11	0.16	0.19	0.13
174.5	0.19	0.21	0.12	0.17	0.11	0.15	0.14	0.10	0.17	0.15
175.0	0.17	0.21	0.12	0.20	0.11	0.15	0.15	0.13	0.13	0.14
175.5	0.11	0.16	0.14	0.17	0.13	0.20	0.14	0.16	0.15	0.12
176.0	0.15	0.14	0.13	0.12	0.12	0.19	0.10	0.13	0.19	0.13
176.5	0.16	0.17	0.14	0.16	0.12	0.16	0.14	0.14	0.15	0.13
177.0	0.12	0.19	0.11	0.12	0.10	0.14	0.14	0.19	0.14	0.13
177.5	0.16	0.20	0.15	0.13	0.12	0.15	0.19	0.15	0.19	0.10
178.0	0.09	0.16	0.11	0.13	0.10	0.10	0.13	0.17	0.17	0.13
178.5	0.10	0.13	0.15	0.12	0.14	0.13	0.13	0.10	0.15	0.10
179.0	0.16	0.13	0.13	0.16	0.12	0.11	0.09	0.15	0.16	0.16
179.5	0.15	0.11	0.12	0.12	0.14	0.13	0.10	0.12	0.15	0.11
180.0	0.11	0.15	0.12	0.19	0.11	0.12	0.12	0.12	0.14	0.12

Vert. Angles	**Horizontal Angles**						
	225.0	**247.5**	**270.0**	**292.5**	**315.0**	**337.5**	**360.0**
0.0	1011.29	1011.29	1011.29	1011.29	1011.29	1011.29	1011.29
0.5	1014.81	1011.32	1009.36	1006.84	1005.09	1003.13	1021.14
1.0	1014.71	1010.88	1009.25	1006.74	1005.09	1002.58	1020.81
1.5	1014.49	1010.22	1009.03	1006.08	1004.88	1002.04	1020.17
2.0	1013.95	1009.36	1008.59	1005.32	1004.44	1001.38	1019.29
2.5	1013.17	1008.37	1007.71	1004.44	1003.90	1000.19	1018.09
3.0	1012.30	1007.07	1006.84	1003.24	1002.80	998.77	1016.67
3.5	1010.99	1005.53	1005.65	1002.15	1001.71	997.35	1014.92
4.0	1009.58	1003.46	1004.55	1000.40	1000.07	995.27	1012.96
4.5	1007.50	1001.49	1002.80	998.33	998.77	993.20	1010.67
5.0	1005.65	999.20	1000.62	995.82	996.91	990.25	1007.94
5.5	1003.57	996.36	998.33	992.76	994.40	987.63	1004.99
6.0	1000.73	993.74	995.71	990.03	991.99	984.90	1001.94
6.5	998.33	990.90	993.08	987.08	989.16	981.63	998.77
7.0	995.82	987.63	990.03	983.70	985.99	978.56	995.71
7.5	992.44	984.47	986.98	980.43	983.05	975.40	992.32
8.0	989.37	981.19	983.92	977.36	979.88	971.90	989.37
8.5	986.20	978.46	980.64	973.88	976.71	969.39	986.65
9.0	983.37	975.94	977.26	971.36	973.55	966.56	984.14
9.5	980.76	973.33	974.52	968.63	970.38	964.16	981.95
10.0	977.69	971.47	972.02	966.34	967.87	962.19	980.10
10.5	975.51	970.16	969.51	964.48	965.25	960.22	978.35
11.0	973.76	968.63	967.65	962.74	963.17	958.92	976.82
11.5	972.02	967.87	965.68	961.32	961.32	957.17	975.51

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CANDELA TABULATION - (Cont.)

12.0	970.93	967.10	964.48	960.22	960.01	955.97	974.31
12.5	969.51	966.12	963.50	959.13	958.59	954.55	973.00
13.0	968.52	965.14	962.30	957.83	957.61	953.02	971.80
13.5	967.87	963.50	961.10	956.51	956.29	951.71	970.16
14.0	966.56	962.08	959.57	954.88	955.09	950.29	968.85
14.5	965.35	960.12	958.26	953.02	953.57	948.11	967.10
15.0	963.72	958.04	956.84	951.16	952.04	946.46	965.35
15.5	962.19	956.29	955.09	949.31	950.40	944.61	963.62
16.0	960.66	954.44	953.34	947.45	948.76	942.32	961.87
16.5	959.46	952.37	951.61	945.16	947.12	940.46	960.12
17.0	958.80	950.83	949.63	943.20	945.49	938.61	958.26
17.5	957.38	949.09	947.78	941.33	943.20	936.86	956.95
18.0	955.64	947.56	945.60	939.37	941.12	935.23	955.53
18.5	953.67	946.15	943.85	937.85	939.81	933.26	953.67
19.0	953.13	944.50	942.43	935.77	939.15	931.73	952.37
19.5	951.05	942.98	940.69	933.91	936.20	929.87	950.73
20.0	948.65	941.23	939.15	932.16	933.81	927.80	949.42
20.5	946.46	939.70	937.62	930.64	931.19	926.27	947.88
21.0	944.40	937.62	935.87	928.89	929.44	924.42	946.03
21.5	942.32	935.11	934.68	926.60	926.60	922.23	944.50
22.0	939.70	932.72	932.49	924.31	924.09	920.05	942.32
22.5	937.62	930.97	930.20	922.01	922.23	917.76	940.36
23.0	935.66	928.56	928.13	919.39	920.15	915.79	938.83
23.5	933.37	926.49	925.84	917.32	918.30	914.05	937.30
24.0	931.51	925.07	923.98	915.46	916.34	912.08	935.66
24.5	929.77	924.09	922.56	913.50	914.15	910.66	934.57
25.0	928.02	923.22	920.71	912.18	912.18	909.13	933.59
25.5	927.03	923.00	919.51	911.21	910.33	908.04	932.82
26.0	926.60	922.89	918.52	910.44	909.24	907.05	932.39
26.5	926.27	922.67	917.86	909.79	908.80	906.08	932.39
27.0	926.16	922.23	917.54	909.24	908.26	905.42	932.06
27.5	925.94	922.45	917.54	908.80	908.04	904.55	932.28
28.0	925.51	923.00	917.32	908.59	907.71	903.78	932.60
28.5	925.51	924.09	917.86	908.70	907.17	903.78	933.04
29.0	925.94	925.51	918.09	909.13	906.84	903.46	933.91
29.5	926.71	927.80	919.18	910.22	906.84	903.57	934.78
30.0	927.36	930.31	920.71	911.42	906.95	903.89	935.99
30.5	928.45	933.59	923.00	913.28	907.50	904.33	937.52
31.0	930.74	937.52	925.73	915.90	908.91	905.31	939.48
31.5	933.26	941.12	929.32	919.18	910.22	906.84	942.21
32.0	935.99	944.73	933.04	922.45	911.21	908.91	945.49
32.5	939.27	949.86	936.97	926.71	913.83	911.42	949.53
33.0	942.87	955.53	941.02	930.74	916.88	914.59	954.88
33.5	946.69	962.41	945.16	935.11	920.05	917.54	960.66
34.0	951.82	968.63	950.95	940.57	923.76	921.14	966.67
34.5	956.41	974.31	956.18	945.49	927.59	926.27	974.97
35.0	961.75	982.28	961.42	950.62	932.28	930.97	983.81
35.5	967.97	991.66	967.00	955.20	936.32	935.87	995.49
36.0	974.42	1004.44	972.78	961.10	941.23	942.54	1009.58
36.5	982.82	1026.06	980.20	969.84	947.24	949.09	1033.48
37.0	994.94	1055.21	990.69	979.77	953.46	958.59	1067.22
37.5	1009.68	1086.55	1003.79	993.20	961.87	970.16	1089.71
38.0	1038.94	1118.42	1024.85	1014.59	971.69	984.90	1106.52
38.5	1073.44	1151.50	1053.03	1046.04	985.56	1008.49	1126.06
39.0	1110.34	1191.57	1090.80	1096.37	1007.71	1036.76	1144.73
39.5	1155.54	1213.08	1139.39	1140.91	1037.63	1077.48	1175.96

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CANDELA TABULATION - (Cont.)

40.0	1186.11	1215.81	1175.96	1166.24	1079.12	1120.06	1200.74
40.5	1198.56	1202.16	1196.59	1172.46	1127.70	1132.39	1200.09
41.0	1195.39	1180.33	1203.25	1164.16	1148.66	1123.88	1188.73
41.5	1181.75	1151.94	1191.46	1144.95	1144.73	1102.92	1171.26
42.0	1157.07	1132.94	1166.79	1123.01	1127.05	1087.31	1156.20
42.5	1137.64	1123.01	1145.06	1110.78	1106.52	1078.90	1147.47
43.0	1125.08	1122.03	1130.21	1102.81	1092.32	1075.84	1147.68
43.5	1119.62	1126.39	1121.80	1102.92	1086.65	1077.37	1152.60
44.0	1120.60	1134.47	1120.71	1109.25	1085.13	1084.69	1160.89
44.5	1126.72	1147.57	1123.99	1119.74	1089.05	1095.16	1171.49
45.0	1137.31	1162.53	1132.51	1131.42	1096.91	1106.63	1186.33
45.5	1149.98	1182.39	1143.75	1144.95	1107.83	1121.70	1202.38
46.0	1167.12	1202.05	1157.40	1163.07	1119.62	1138.40	1221.04
46.5	1184.69	1223.45	1175.84	1181.63	1134.04	1159.15	1244.96
47.0	1204.99	1250.09	1195.94	1204.89	1153.14	1179.34	1268.32
47.5	1230.33	1275.96	1220.50	1228.14	1172.13	1201.94	1296.60
48.0	1254.89	1304.13	1244.63	1253.36	1193.21	1229.24	1323.57
48.5	1281.64	1338.52	1269.85	1284.26	1219.08	1254.89	1352.72
49.0	1313.95	1371.71	1300.64	1313.41	1244.30	1286.01	1387.54
49.5	1344.30	1405.77	1329.46	1344.09	1271.59	1315.70	1419.31
50.0	1380.33	1445.29	1360.47	1381.10	1303.59	1347.04	1452.83
50.5	1414.94	1483.18	1397.80	1416.80	1334.59	1384.04	1491.25
51.0	1450.75	1526.95	1433.50	1453.92	1371.60	1419.20	1526.74
51.5	1492.03	1566.48	1474.66	1495.62	1406.10	1455.77	1566.15
52.0	1530.45	1606.66	1513.21	1533.62	1442.24	1496.06	1601.42
52.5	1568.99	1650.76	1552.17	1576.85	1483.29	1533.29	1635.59
53.0	1612.66	1689.19	1594.42	1615.29	1520.63	1570.85	1671.62
53.5	1651.09	1726.09	1631.33	1652.84	1562.33	1609.71	1701.20
54.0	1688.98	1763.87	1665.72	1691.70	1599.67	1641.70	1728.82
54.5	1730.57	1793.13	1702.40	1722.81	1636.68	1673.14	1754.81
55.0	1766.49	1820.21	1731.44	1749.90	1676.97	1699.02	1775.22
55.5	1804.92	1841.17	1755.90	1776.54	1712.01	1720.75	1795.20
56.0	1837.46	1857.32	1776.10	1795.43	1745.74	1740.07	1810.27
56.5	1867.37	1871.74	1794.01	1811.79	1779.26	1753.28	1822.71
57.0	1896.52	1880.36	1808.96	1822.93	1806.56	1763.43	1834.29
57.5	1917.48	1886.14	1820.97	1831.01	1831.89	1769.76	1841.27
58.0	1931.89	1888.44	1832.33	1837.56	1847.72	1773.80	1844.22
58.5	1937.02	1887.46	1838.98	1840.30	1856.35	1775.44	1844.55
59.0	1935.93	1883.20	1840.73	1839.97	1858.64	1773.92	1841.27
59.5	1927.96	1876.21	1840.40	1836.47	1854.37	1769.66	1832.98
60.0	1913.11	1865.19	1835.60	1829.26	1843.89	1759.94	1820.97
60.5	1892.37	1850.12	1826.75	1817.58	1825.12	1747.93	1805.24
61.0	1864.42	1833.52	1815.62	1805.36	1801.43	1731.88	1784.18
61.5	1832.76	1814.53	1801.75	1790.07	1771.29	1709.50	1761.36
62.0	1794.44	1788.87	1783.52	1768.01	1729.37	1684.72	1734.18
62.5	1742.91	1760.16	1760.49	1742.26	1685.59	1649.12	1701.75
63.0	1691.60	1722.50	1736.80	1706.88	1632.86	1609.93	1667.58
63.5	1629.03	1682.64	1707.86	1670.09	1581.44	1566.81	1628.60
64.0	1566.48	1638.20	1679.69	1625.43	1525.32	1512.88	1590.06
64.5	1498.35	1580.23	1646.50	1568.67	1454.90	1458.94	1548.25
65.0	1421.82	1521.82	1607.09	1511.46	1388.20	1399.88	1497.80
65.5	1349.44	1458.06	1567.68	1450.42	1320.07	1330.55	1447.59
66.0	1274.76	1380.23	1523.90	1378.37	1242.55	1263.85	1390.26
66.5	1190.48	1305.65	1468.33	1308.06	1171.26	1185.23	1317.23
67.0	1110.56	1217.88	1412.76	1233.93	1088.94	1108.70	1248.01
67.5	1017.43	1129.56	1348.23	1143.75	1012.41	1028.13	1168.42

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CANDELA TABULATION - (Cont.)

68.0	932.93	1036.32	1280.22	1056.84	932.16	934.24	1090.03
68.5	845.80	931.62	1200.74	958.59	840.67	849.20	1005.32
69.0	748.09	831.62	1110.34	870.15	757.81	751.37	897.56
69.5	658.14	726.91	1023.98	772.77	672.54	657.05	792.42
70.0	567.74	611.52	925.40	660.98	579.42	585.31	695.80
70.5	468.71	561.52	806.94	586.96	495.14	463.25	599.61
71.0	377.71	419.41	689.04	457.50	384.58	386.11	465.63
71.5	305.32	324.82	575.82	371.76	323.36	303.32	357.60
72.0	241.39	238.96	401.09	284.26	261.24	214.75	267.03
72.5	177.95	168.23	346.36	193.70	193.38	147.84	193.33
73.0	119.70	128.95	233.68	136.80	137.72	105.41	139.52
73.5	86.86	104.17	156.19	105.18	93.89	82.00	114.87
74.0	70.75	86.41	113.14	85.05	69.11	71.25	101.45
74.5	64.59	75.24	93.27	73.35	61.41	63.58	93.29
75.0	62.31	66.38	83.92	65.28	58.03	58.92	87.45
75.5	60.17	61.35	77.67	58.91	56.28	55.95	82.89
76.0	58.20	59.05	72.86	55.93	54.85	53.91	79.60
76.5	56.09	56.83	69.77	54.02	53.01	52.04	76.16
77.0	53.51	54.68	66.60	51.29	51.01	49.75	72.33
77.5	50.88	51.41	63.69	48.74	48.77	46.67	68.68
78.0	48.14	47.80	60.51	45.47	46.05	43.68	64.67
78.5	45.02	44.56	56.79	42.46	43.43	40.18	59.95
79.0	42.26	40.94	53.30	39.51	3.88	37.03	55.83
79.5	38.50	37.68	49.63	36.11	37.68	33.88	50.67
80.0	36.66	34.41	45.43	33.06	35.26	30.28	46.45
80.5	33.94	30.87	41.58	29.58	32.31	27.24	42.37
81.0	30.89	27.69	37.07	26.65	29.74	24.32	38.00
81.5	28.17	24.57	34.32	23.85	27.19	21.41	34.36
82.0	25.58	21.31	31.04	20.88	24.57	19.07	30.93
82.5	22.89	18.81	27.61	18.45	22.34	16.87	27.46
83.0	20.69	16.49	24.77	16.12	19.98	15.11	24.59
83.5	18.54	14.73	22.29	14.34	17.84	13.55	21.68
84.0	16.18	13.15	19.74	12.76	15.74	12.00	19.39
84.5	14.32	11.56	17.72	11.24	13.89	10.75	17.30
85.0	12.70	10.29	15.73	10.10	12.62	9.60	15.07
85.5	11.45	9.19	14.09	9.07	11.44	8.35	12.97
86.0	10.35	7.99	12.65	7.94	10.23	6.92	10.57
86.5	9.14	6.79	11.15	6.61	9.16	4.95	7.45
87.0	7.89	5.04	9.69	4.96	7.73	4.01	5.06
87.5	6.05	3.90	7.77	3.87	5.77	2.29	3.13
88.0	4.50	2.45	5.67	2.22	3.14	0.46	1.20
88.5	1.81	0.66	3.14	0.41	1.33	0.05	0.06
89.0	0.70	0.06	1.10	0.02	0.62	0.01	0.00
89.5	0.53	0.00	0.60	0.03	0.45	0.02	0.00
90.0	0.42	0.00	0.48	0.01	0.44	0.01	0.00
90.5	0.44	0.01	0.50	0.00	0.36	0.00	0.01
91.0	0.42	0.00	0.50	0.00	0.35	0.00	0.00
91.5	0.37	0.00	0.43	0.00	0.36	0.02	0.00
92.0	0.38	0.00	0.39	0.00	0.37	0.00	0.00
92.5	0.34	0.01	0.36	0.00	0.32	0.03	0.00
93.0	0.34	0.00	0.36	0.02	0.33	0.02	0.02
93.5	0.31	0.02	0.38	0.02	0.29	0.02	0.00
94.0	0.32	0.05	0.40	0.04	0.32	0.02	0.01
94.5	0.28	0.03	0.27	0.01	0.29	0.00	0.00
95.0	0.33	0.02	0.34	0.01	0.22	0.02	0.01
95.5	0.29	0.01	0.34	0.00	0.27	0.02	0.00

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CANDELA TABULATION - (Cont.)

96.0	0.30	0.02	0.26	0.03	0.28	0.03	0.00
96.5	0.26	0.01	0.24	0.04	0.24	0.01	0.01
97.0	0.26	0.03	0.28	0.05	0.32	0.01	0.00
97.5	0.27	0.03	0.29	0.02	0.27	0.03	0.00
98.0	0.24	0.01	0.27	0.03	0.24	0.02	0.02
98.5	0.28	0.03	0.30	0.03	0.30	0.01	0.02
99.0	0.26	0.01	0.28	0.03	0.21	0.07	0.00
99.5	0.22	0.04	0.25	0.02	0.22	0.03	0.00
100.0	0.24	0.04	0.22	0.02	0.25	0.04	0.00
100.5	0.27	0.01	0.26	0.05	0.22	0.06	0.03
101.0	0.24	0.06	0.27	0.06	0.27	0.06	0.02
101.5	0.26	0.05	0.27	0.05	0.22	0.03	0.01
102.0	0.26	0.06	0.25	0.04	0.24	0.03	0.04
102.5	0.25	0.04	0.26	0.06	0.28	0.05	0.01
103.0	0.22	0.06	0.22	0.06	0.25	0.06	0.01
103.5	0.25	0.04	0.27	0.04	0.25	0.05	0.03
104.0	0.24	0.08	0.28	0.03	0.23	0.04	0.04
104.5	0.27	0.04	0.27	0.07	0.24	0.04	0.05
105.0	0.27	0.04	0.27	0.06	0.25	0.06	0.09
105.5	0.27	0.05	0.27	0.09	0.24	0.05	0.04
106.0	0.28	0.06	0.24	0.10	0.23	0.05	0.03
106.5	0.24	0.07	0.26	0.06	0.28	0.06	0.06
107.0	0.29	0.11	0.26	0.05	0.27	0.07	0.06
107.5	0.30	0.07	0.26	0.10	0.28	0.08	0.05
108.0	0.26	0.10	0.29	0.14	0.28	0.07	0.04
108.5	0.24	0.06	0.29	0.07	0.24	0.07	0.04
109.0	0.26	0.06	0.26	0.07	0.27	0.09	0.07
109.5	0.26	0.08	0.27	0.08	0.24	0.08	0.06
110.0	0.25	0.08	0.33	0.10	0.27	0.13	0.09
110.5	0.23	0.11	0.33	0.09	0.34	0.07	0.12
111.0	0.29	0.09	0.25	0.07	0.23	0.12	0.10
111.5	0.29	0.11	0.27	0.15	0.29	0.13	0.11
112.0	0.29	0.11	0.28	0.08	0.27	0.13	0.09
112.5	0.28	0.13	0.29	0.08	0.27	0.13	0.12
113.0	0.27	0.13	0.27	0.11	0.27	0.12	0.07
113.5	0.29	0.15	0.26	0.12	0.30	0.13	0.07
114.0	0.25	0.13	0.25	0.11	0.26	0.12	0.10
114.5	0.31	0.16	0.29	0.11	0.28	0.17	0.10
115.0	0.26	0.15	0.28	0.16	0.27	0.12	0.09
115.5	0.28	0.15	0.33	0.13	0.28	0.13	0.09
116.0	0.32	0.14	0.27	0.15	0.24	0.15	0.11
116.5	0.31	0.15	0.32	0.16	0.28	0.16	0.12
117.0	0.32	0.15	0.25	0.15	0.29	0.13	0.10
117.5	0.27	0.15	0.34	0.16	0.30	0.14	0.10
118.0	0.35	0.16	0.31	0.20	0.27	0.14	0.08
118.5	0.31	0.13	0.31	0.14	0.29	0.12	0.11
119.0	0.27	0.14	0.32	0.16	0.33	0.20	0.11
119.5	0.32	0.13	0.33	0.14	0.25	0.16	0.14
120.0	0.32	0.16	0.34	0.15	0.29	0.16	0.14
120.5	0.30	0.14	0.30	0.23	0.30	0.22	0.13
121.0	0.29	0.16	0.33	0.15	0.28	0.12	0.15
121.5	0.30	0.16	0.29	0.19	0.26	0.16	0.13
122.0	0.35	0.13	0.31	0.17	0.25	0.16	0.11
122.5	0.34	0.19	0.31	0.15	0.34	0.15	0.15
123.0	0.27	0.16	0.30	0.19	0.30	0.16	0.14
123.5	0.27	0.21	0.27	0.16	0.30	0.21	0.12

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CANDELA TABULATION - (Cont.)

124.0	0.30	0.23	0.28	0.17	0.29	0.21	0.13
124.5	0.33	0.17	0.33	0.20	0.28	0.13	0.11
125.0	0.32	0.17	0.28	0.21	0.29	0.13	0.12
125.5	0.24	0.14	0.33	0.19	0.30	0.20	0.07
126.0	0.33	0.17	0.32	0.19	0.28	0.16	0.12
126.5	0.27	0.19	0.34	0.22	0.31	0.20	0.15
127.0	0.31	0.21	0.32	0.22	0.27	0.22	0.17
127.5	0.34	0.17	0.35	0.19	0.28	0.19	0.15
128.0	0.27	0.19	0.31	0.19	0.29	0.19	0.20
128.5	0.30	0.20	0.28	0.15	0.26	0.13	0.20
129.0	0.29	0.21	0.32	0.16	0.31	0.23	0.15
129.5	0.30	0.17	0.33	0.21	0.36	0.19	0.12
130.0	0.26	0.20	0.27	0.21	0.27	0.22	0.12
130.5	0.31	0.16	0.29	0.17	0.27	0.20	0.12
131.0	0.32	0.21	0.31	0.24	0.29	0.22	0.19
131.5	0.28	0.13	0.30	0.24	0.31	0.19	0.16
132.0	0.28	0.27	0.30	0.23	0.29	0.21	0.16
132.5	0.29	0.21	0.31	0.21	0.29	0.22	0.19
133.0	0.29	0.22	0.33	0.22	0.28	0.16	0.14
133.5	0.34	0.17	0.29	0.19	0.32	0.19	0.22
134.0	0.31	0.20	0.33	0.23	0.26	0.23	0.16
134.5	0.30	0.20	0.31	0.26	0.26	0.23	0.20
135.0	0.28	0.21	0.28	0.21	0.33	0.19	0.16
135.5	0.25	0.25	0.31	0.26	0.27	0.19	0.16
136.0	0.34	0.24	0.28	0.23	0.28	0.19	0.17
136.5	0.34	0.19	0.30	0.23	0.24	0.24	0.17
137.0	0.33	0.24	0.34	0.26	0.32	0.17	0.19
137.5	0.27	0.21	0.32	0.22	0.31	0.21	0.22
138.0	0.32	0.20	0.34	0.21	0.33	0.23	0.14
138.5	0.26	0.22	0.30	0.22	0.25	0.20	0.22
139.0	0.27	0.21	0.28	0.22	0.28	0.25	0.21
139.5	0.27	0.26	0.31	0.22	0.25	0.19	0.25
140.0	0.32	0.19	0.33	0.22	0.29	0.21	0.20
140.5	0.32	0.22	0.32	0.26	0.32	0.19	0.24
141.0	0.27	0.23	0.32	0.22	0.31	0.25	0.27
141.5	0.27	0.20	0.30	0.25	0.38	0.21	0.22
142.0	0.33	0.28	0.30	0.24	0.36	0.25	0.21
142.5	0.36	0.24	0.27	0.22	0.32	0.25	0.20
143.0	0.28	0.24	0.30	0.23	0.30	0.21	0.24
143.5	0.26	0.22	0.27	0.19	0.28	0.23	0.26
144.0	0.32	0.26	0.29	0.23	0.28	0.20	0.28
144.5	0.28	0.16	0.31	0.22	0.32	0.22	0.27
145.0	0.31	0.21	0.32	0.22	0.27	0.25	0.26
145.5	0.28	0.23	0.29	0.21	0.29	0.23	0.26
146.0	0.30	0.20	0.31	0.22	0.27	0.23	0.23
146.5	0.26	0.20	0.32	0.17	0.29	0.15	0.26
147.0	0.27	0.21	0.29	0.22	0.23	0.22	0.27
147.5	0.26	0.14	0.27	0.20	0.27	0.15	0.30
148.0	0.29	0.17	0.27	0.24	0.27	0.21	0.29
148.5	0.29	0.15	0.27	0.22	0.30	0.21	0.25
149.0	0.29	0.20	0.28	0.21	0.26	0.22	0.25
149.5	0.26	0.22	0.29	0.17	0.28	0.21	0.20
150.0	0.31	0.25	0.27	0.16	0.28	0.24	0.20
150.5	0.23	0.24	0.31	0.23	0.27	0.23	0.22
151.0	0.26	0.17	0.27	0.19	0.27	0.23	0.25
151.5	0.24	0.15	0.24	0.15	0.25	0.19	0.24

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CANDELA TABULATION - (Cont.)

152.0	0.28	0.16	0.27	0.15	0.27	0.16	0.21
152.5	0.25	0.19	0.25	0.20	0.25	0.20	0.24
153.0	0.28	0.20	0.25	0.19	0.24	0.19	0.28
153.5	0.24	0.21	0.27	0.17	0.20	0.22	0.25
154.0	0.21	0.16	0.27	0.23	0.28	0.16	0.29
154.5	0.28	0.17	0.25	0.15	0.20	0.16	0.25
155.0	0.25	0.17	0.24	0.16	0.26	0.15	0.26
155.5	0.22	0.15	0.23	0.19	0.22	0.15	0.26
156.0	0.26	0.24	0.24	0.21	0.23	0.22	0.23
156.5	0.26	0.19	0.22	0.19	0.23	0.14	0.21
157.0	0.23	0.17	0.30	0.17	0.22	0.20	0.24
157.5	0.24	0.16	0.26	0.21	0.23	0.16	0.25
158.0	0.24	0.16	0.23	0.15	0.22	0.17	0.21
158.5	0.23	0.17	0.23	0.16	0.24	0.19	0.27
159.0	0.23	0.16	0.22	0.21	0.16	0.13	0.23
159.5	0.22	0.14	0.20	0.15	0.20	0.19	0.22
160.0	0.29	0.17	0.22	0.17	0.21	0.12	0.29
160.5	0.25	0.16	0.17	0.24	0.24	0.19	0.21
161.0	0.24	0.17	0.24	0.19	0.29	0.13	0.22
161.5	0.23	0.20	0.17	0.20	0.21	0.17	0.21
162.0	0.17	0.20	0.16	0.17	0.20	0.16	0.24
162.5	0.17	0.13	0.21	0.17	0.23	0.15	0.24
163.0	0.21	0.19	0.21	0.21	0.24	0.23	0.20
163.5	0.25	0.15	0.24	0.15	0.20	0.17	0.21
164.0	0.20	0.14	0.19	0.21	0.23	0.14	0.21
164.5	0.20	0.19	0.19	0.15	0.19	0.17	0.20
165.0	0.22	0.19	0.20	0.20	0.19	0.15	0.24
165.5	0.20	0.20	0.22	0.13	0.21	0.22	0.23
166.0	0.16	0.20	0.17	0.13	0.25	0.14	0.15
166.5	0.21	0.19	0.22	0.15	0.23	0.21	0.16
167.0	0.25	0.23	0.25	0.22	0.20	0.17	0.20
167.5	0.19	0.21	0.22	0.14	0.19	0.15	0.22
168.0	0.22	0.21	0.24	0.20	0.20	0.20	0.21
168.5	0.15	0.16	0.20	0.13	0.19	0.16	0.17
169.0	0.19	0.16	0.25	0.16	0.22	0.19	0.23
169.5	0.24	0.20	0.21	0.19	0.21	0.15	0.19
170.0	0.21	0.15	0.20	0.20	0.21	0.14	0.16
170.5	0.20	0.15	0.22	0.15	0.12	0.16	0.15
171.0	0.20	0.14	0.20	0.14	0.19	0.15	0.14
171.5	0.25	0.14	0.19	0.13	0.15	0.09	0.21
172.0	0.21	0.12	0.17	0.17	0.23	0.10	0.15
172.5	0.19	0.14	0.15	0.16	0.19	0.15	0.22
173.0	0.17	0.20	0.16	0.14	0.13	0.15	0.21
173.5	0.14	0.11	0.20	0.14	0.15	0.15	0.17
174.0	0.17	0.13	0.12	0.17	0.16	0.13	0.19
174.5	0.13	0.15	0.19	0.16	0.13	0.14	0.19
175.0	0.19	0.12	0.13	0.15	0.19	0.13	0.17
175.5	0.13	0.14	0.17	0.14	0.16	0.15	0.11
176.0	0.16	0.17	0.17	0.14	0.11	0.12	0.15
176.5	0.17	0.13	0.12	0.10	0.14	0.12	0.16
177.0	0.13	0.13	0.13	0.09	0.13	0.15	0.12
177.5	0.15	0.13	0.15	0.12	0.12	0.13	0.16
178.0	0.11	0.13	0.11	0.15	0.13	0.14	0.09
178.5	0.15	0.16	0.15	0.11	0.11	0.10	0.10
179.0	0.16	0.13	0.16	0.14	0.14	0.12	0.16
179.5	0.14	0.14	0.15	0.12	0.12	0.13	0.15

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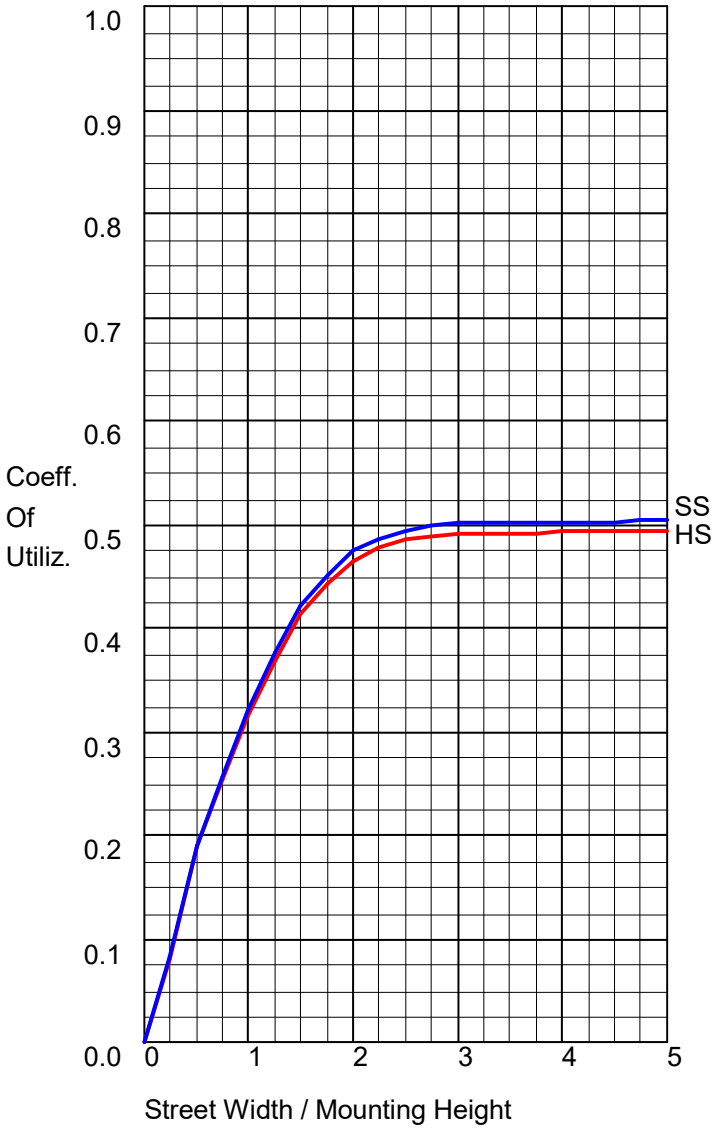
CANDELA TABULATION - (Cont.)

180.0	0.13	0.12	0.12	0.14	0.12	0.16	0.11

IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-140DB-50K.IES

COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	2673.5	49.5
Downward House Side	2728.2	50.5
Downward Total	5401.7	100.0
Upward Street Side	0.6	0.0
Upward House Side	0.6	0.0
Upward Total	1.2	0.0
Total Flux	5402.9	100.0

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IES ROAD REPORT
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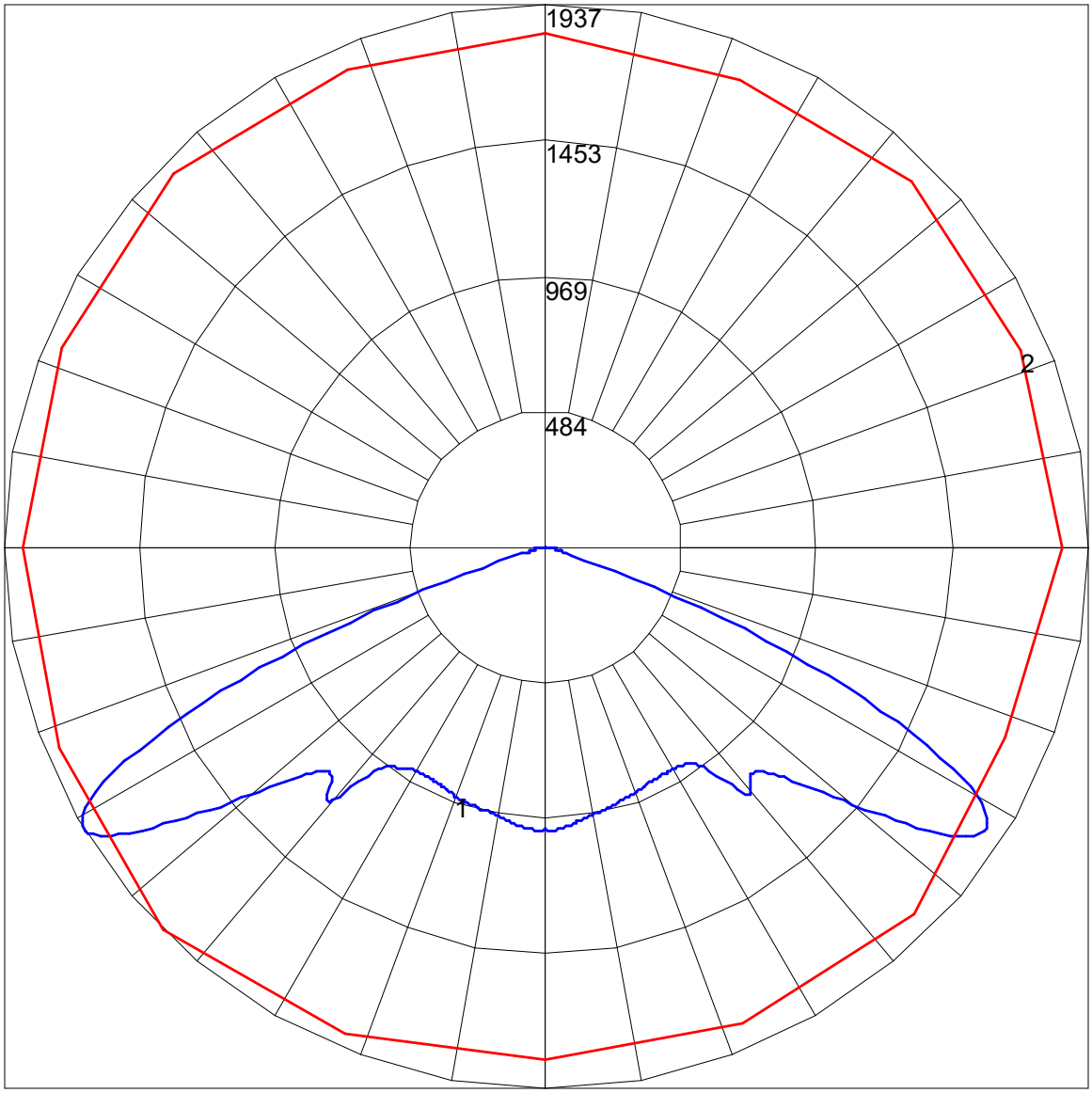
POLAR GRAPH



Maximum Candela = 1937.02 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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IES ROAD REPORT
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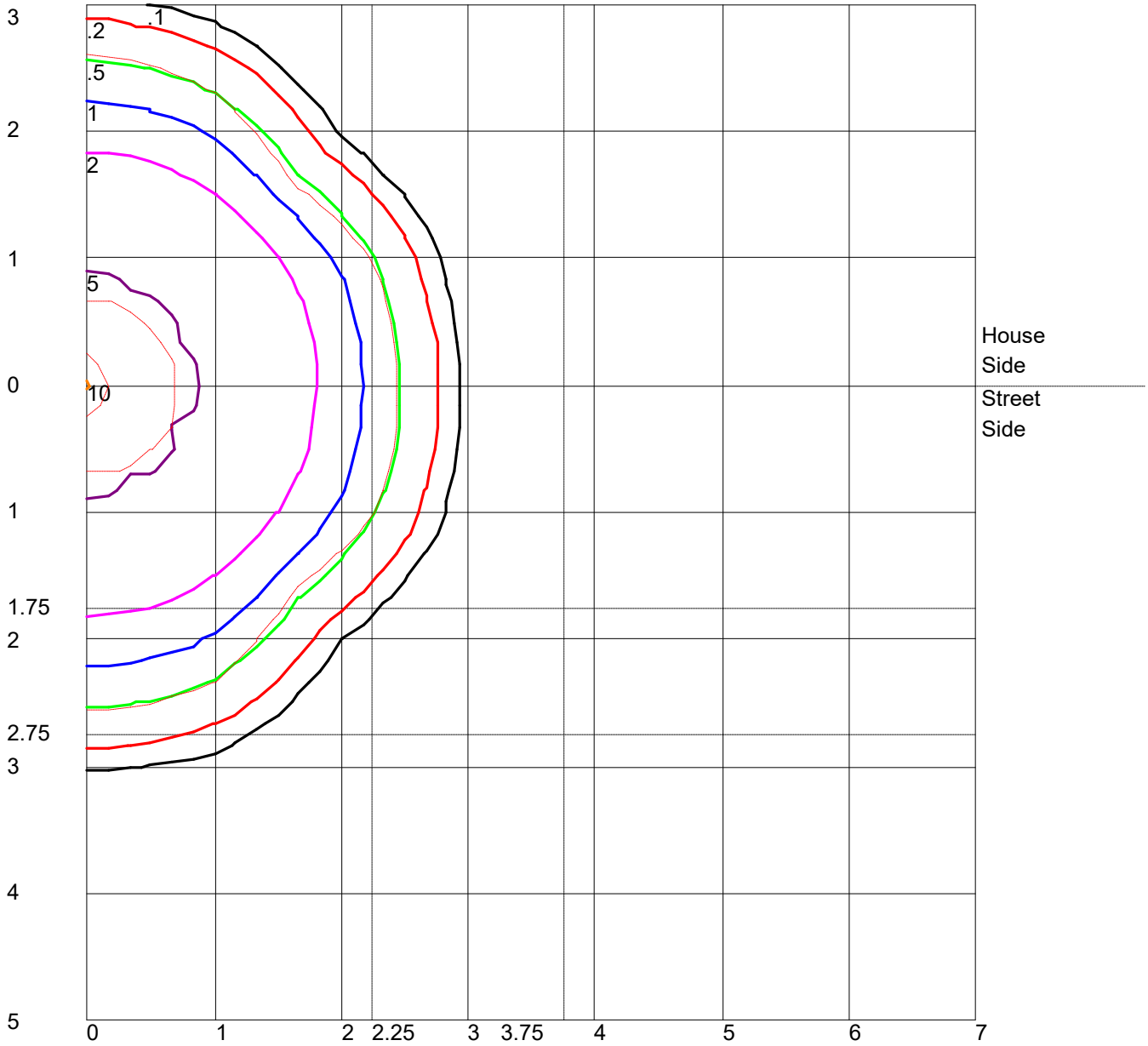
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height

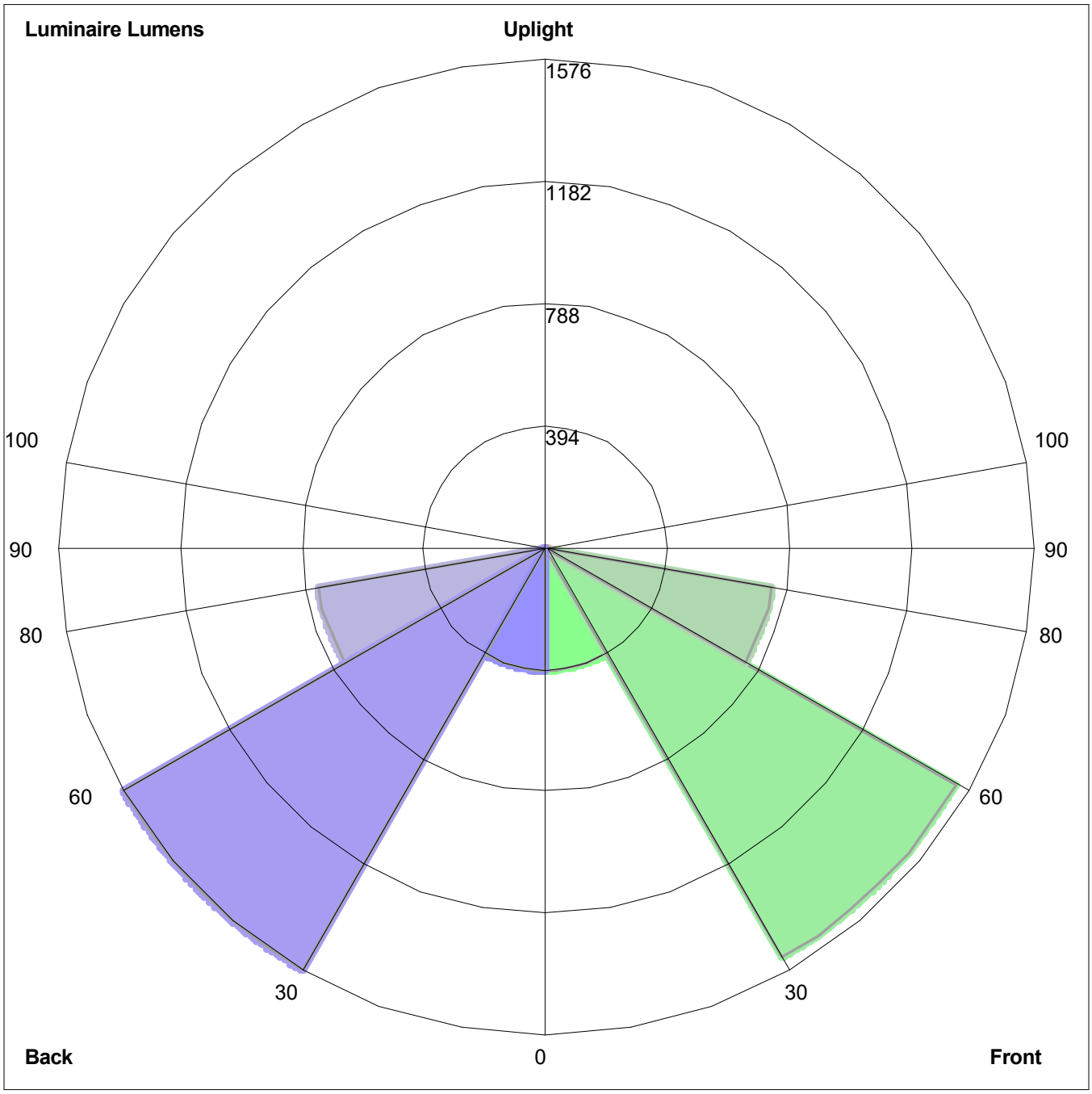
Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

IES ROAD REPORT
PHOTOMETRIC FILENAME : EPL-SBDL-V2-50RT-24-1227-140DB-50K.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=395.1, Medium=1528.4, High=742.7, Very High=7.3
Back: Low=396.9, Medium=1575.6, High=748.3, Very High=7.4
Uplight: Low=0.2, High=1.0

BUG Rating : B2-U1-G1

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