IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-10SP.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194021
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-13
[ISSUEDATE] 2019-04-13
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-200W-LED-10SP
[LUMINAIRE] 200W LED FLOOD LIGHT - 10 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS



NEMA Type	3 H x 3 V
Maximum Candela	222365.675
Maximum Candela Angle	0H -1V
Horizontal Beam Angle (50%)	16.1
Vertical Beam Angle (50%)	16.2
Horizontal Field Angle (10%)	34.1
Vertical Field Angle (10%)	34.2
Lumens Per Lamp	27000 (1 lamp)
Total Lamp Lumens	27000
Beam Lumens	9690
Beam Efficiency	36 %
Field Lumens	20422
Field Efficiency	76 %
Spill Lumens	6774
Luminaire Lumens	27195
Total Efficiency	101 %
Total Luminaire Watts	200
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	0	75	0
65	0	65	0
55	0	55	117.45
47.5	.048	47.5	524.333
42.5	249.053	42.5	1188.41
37.5	1503.343	37.5	1809.042
33	2865.741	33	2754.509
29	5030.461	29	4588.803
25.5	7828.869	25.5	6940.067
22.5	12481.985	22.5	9548.771
19.5	17529.878	19.5	14312.015
17	24918.791	17	22063.514
15	32805.637	15	30661.297
13	46901.364	13	43957.491
11	69964.854	11	63698.524
9	101434.64	9	90454.072
7	139434.771	7	126489.316
5	175141.172	5	165991.58
3	203688.901	3	198284.489
1	220901.316	1	217702.291
0	221953.939	0	221953.939
-1	217043.4	-1	222365.675
-3	191274.838	-3	209157.384
-5	156647.975	-5	182371.873
-7	119361.958	-7	142303.631
-9	86045.989	-9	97434.25
-11	56895.684	-11	64858.578
-13	37521.237	-13	45871.916
-15	26475.158	-15	32093.069
-17	19400.962	-17	23128.487
-19.5	13678.524	-19.5	15235.799
-22.5	9365.033	-22.5	8796.293
-25.5	6299.566	-25.5	5352.489
-29	4189.5	-29	2929.438
-33	2614.914	-33	1393.048
-37.5	1662.998	-37.5	428.151
-42.5	846.515	-42.5	2.357
-47.5	154.24	-47.5	0
-55	0	-55	0
-65	0	-65	0
-75	0	-75	0
-85	0	-85	0
-90	0	-90	0

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CANDELA TABULATION
Maximum Candela = 222365.675
Beam Edge = 111182.8375 Cd (50% of Max.)
Field Edge = 22236.5675 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.608
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.078	13.849	50.783
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.113	19.763	93.691	265.237
37.5	0.000	0.000	0.000	0.000	0.000	0.024	11.949	117.015	346.474	545.878
33.0	0.000	0.000	0.000	0.000	0.000	1.014	55.441	302.429	554.477	949.347
29.0	0.000	0.000	0.000	0.000	0.000	4.246	142.729	463.700	929.286	1323.871
25.5	0.000	0.000	0.000	0.000	0.000	18.415	245.355	655.755	1226.504	1675.107
22.5	0.000	0.000	0.000	0.000	0.000	45.504	337.453	895.480	1460.123	1932.359
19.5	0.000	0.000	0.000	0.000	0.000	70.569	411.882	1092.489	1650.775	2257.703
17.0	0.000	0.000	0.000	0.000	0.000	89.735	501.378	1239.887	1711.772	2725.427
15.0	0.000	0.000	0.000	0.000	0.000	106.085	582.051	1334.983	1771.239	3061.816
13.0	0.000	0.000	0.000	0.000	0.000	122.945	670.164	1411.939	1974.295	3317.676
11.0	0.000	0.000	0.000	0.000	0.005	141.242	726.604	1476.815	2196.545	3505.790
9.0	0.000	0.000	0.000	0.000	0.007	153.097	781.552	1531.988	2407.532	3723.928
7.0	0.000	0.000	0.000	0.000	0.008	160.966	821.228	1588.599	2523.552	3920.417
5.0	0.000	0.000	0.000	0.000	0.007	165.817	841.315	1615.198	2603.166	4071.963
3.0	0.000	0.000	0.000	0.000	0.005	165.317	850.613	1642.837	2633.613	4164.288
1.0	0.000	0.000	0.000	0.000	0.002	159.329	850.111	1659.879	2629.784	4203.855
0.0	0.000	0.000	0.000	0.000	0.000	154.240	846.515	1662.998	2614.914	4189.500
-1.0	0.000	0.000	0.000	0.000	0.000	148.011	827.284	1642.691	2595.915	4150.620
-3.0	0.000	0.000	0.000	0.000	0.000	131.842	783.320	1587.689	2538.728	4010.828
-5.0	0.000	0.000	0.000	0.000	0.000	111.618	733.091	1511.448	2464.789	3834.584
-7.0	0.000	0.000	0.000	0.000	0.000	88.401	677.879	1423.831	2370.529	3625.728
-9.0	0.000	0.000	0.000	0.000	0.000	66.969	605.578	1296.901	2267.525	3377.709
-11.0	0.000	0.000	0.000	0.000	0.000	48.562	522.888	1159.687	2129.678	3088.221
-13.0	0.000	0.000	0.000	0.000	0.000	30.930	442.668	1015.538	1984.219	2799.663
-15.0	0.000	0.000	0.000	0.000	0.000	18.273	331.962	859.625	1798.655	2507.632
-17.0	0.000	0.000	0.000	0.000	0.000	9.591	231.176	694.091	1553.673	2243.788
-19.5	0.000	0.000	0.000	0.000	0.000	3.334	120.251	524.762	1211.328	1967.133
-22.5	0.000	0.000	0.000	0.000	0.000	0.465	29.481	387.507	826.787	1572.136
-25.5	0.000	0.000	0.000	0.000	0.000	0.014	4.275	199.690	481.585	1036.506
-29.0	0.000	0.000	0.000	0.000	0.000	0.000	0.102	51.022	232.264	519.483
-33.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.058	38.164	112.529
-37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.395	0.811
-42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	3.657	8.921	18.725	28.933	39.030	49.657	60.732	72.967	85.058	96.401
47.5	101.387	182.480	288.519	379.035	426.446	462.548	490.365	507.967	518.979	527.829
42.5	438.552	575.465	665.079	767.211	856.869	937.810	999.232	1062.351	1113.492	1150.082
37.5	756.220	1028.592	1257.020	1404.450	1492.724	1562.420	1619.596	1680.267	1736.825	1771.427
33.0	1260.875	1489.575	1758.322	1986.744	2150.262	2259.314	2323.934	2390.550	2499.917	2610.216
29.0	1699.067	2107.798	2361.385	2667.950	2995.183	3335.663	3665.933	3940.205	4175.183	4364.457
25.5	2149.173	2636.892	3255.546	3790.537	4257.213	4760.151	5299.325	5786.458	6134.192	6439.754
22.5	2630.331	3341.936	4099.093	4864.096	5624.942	6315.835	6909.762	7418.910	8143.593	8760.244
19.5	3262.769	4098.597	5148.943	6413.942	7450.521	8425.258	9588.832	10833.088	12058.446	13060.038
17.0	3738.206	4827.860	6338.756	8017.664	9388.975	10976.812	12851.120	15058.009	17074.641	18962.187
15.0	4186.804	5456.300	7375.095	9377.197	11328.944	13509.364	16399.578	19557.515	22727.272	25898.225 *
13.0	4648.615	6061.026	8392.637	10977.121	13441.806	16806.921	21091.447	25468.654	30737.015	36419.791 *
11.0	5061.809	6722.803	9619.081	12668.355	16195.858	20884.639	26186.641	33235.360	41404.689	49732.164 *
9.0	5389.865	7382.801	10837.221	14651.239	19113.940	24616.838	32546.417	42725.684	55577.602	68609.788 *
7.0	5670.440	8076.471	11887.809	16527.962	21625.424	28851.343	39908.168	54963.617	73597.052	94553.645 *
5.0	5907.770	8656.418	12709.212	17990.526	23755.503	33416.080	47750.560	67368.813	93540.628	121070.074 *
3.0	6147.961	9095.944	13367.049	19016.693	25589.699	36592.123	53560.007	78544.417	109418.698	142587.434 *
1.0	6278.145	9330.013	13669.371	19506.771	26569.681	37920.378	57245.073	86116.692	119538.886	156587.782 *
0.0	6299.566	9365.033	13678.524	19400.962	26475.158	37521.237	56895.684	86045.989	119361.958	156647.975 *
-1.0	6219.962	9300.232	13652.261	19592.235	26886.811	38134.987	57372.903	86771.820	121514.223	159649.653 *
-3.0	5971.574	9006.941	13305.705	19225.912	26437.243	37370.658	53887.104	80112.194	113768.047	150925.938 *
-5.0	5607.783	8509.209	12580.368	18205.141	24874.717	35078.659	48261.976	68795.414	97589.109	130769.670 *
-7.0	5230.750	7819.595	11684.363	16621.577	22524.053	30760.165	41659.573	56429.942	75805.886	99974.402 *
-9.0	4790.728	6970.648	10581.857	14722.601	19644.447	25836.929	34810.945	45182.190	57595.757	70734.352 *
-11.0	4292.666	6099.720	9341.937	12666.151	16688.674	21540.482	27453.880	35661.482	43968.325	52153.124 *
-13.0	3904.826	5313.651	7979.031	10840.902	13750.745	17626.388	22015.636	27085.742	33056.096	38867.832 *
-15.0	3578.131	4661.895	6643.977	9058.768	11323.973	13958.106	17297.942	20915.268	24719.432	28058.901 *
-17.0	3192.866	4071.374	5400.134	7317.506	9103.769	11042.720	13189.607	15727.930	18236.832	20410.117
-19.5	2623.332	3496.696	4348.136	5355.060	6613.400	8026.427	9600.642	11119.103	12465.725	13600.580
-22.5	2086.977	2655.599	3395.241	3848.767	4400.045	5110.999	5973.879	6813.713	7591.098	8185.021
-25.5	1604.381	2001.154	2410.755	2812.448	3064.781	3295.062	3618.512	4090.674	4576.913	4948.730
-29.0	929.568	1293.073	1548.158	1789.313	1991.876	2157.481	2285.978	2465.070	2628.406	2761.151
-33.0	285.366	507.771	739.095	885.473	958.883	1001.274	1108.015	1230.664	1321.069	1390.547
-37.5	18.896	65.549	114.523	152.625	175.428	235.124	303.020	371.847	428.354	442.910
-42.5	0.000	0.021	0.321	1.217	2.884	5.029	8.826	11.138	11.403	10.746
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

CANDELA TABULATION - (Cont.)

55.0	109.308	114.735	117.450	112.083	101.354	83.470	67.396	51.012	35.037	20.774
47.5	531.545	528.681	524.333	508.566	471.137	426.937	377.286	328.798	280.290	226.724
42.5	1174.296	1186.580	1188.410	1171.139	1127.354	1069.795	996.824	907.293	802.562	697.432
37.5	1798.551	1809.447	1809.042	1805.020	1785.605	1750.957	1710.032	1638.917	1560.123	1479.250
33.0	2693.429	2748.722	2754.509	2764.186	2738.583	2681.805	2592.576	2499.017	2371.487	2234.047
29.0	4498.207	4581.282	4588.803	4604.993	4560.505	4442.424	4231.286	3931.839	3548.340	3283.032
25.5	6702.003	6884.559	6940.067	6930.789	6830.560	6620.880	6362.523	6047.122	5652.637	5152.931
22.5	9224.638	9490.098	9548.771	9568.089	9460.018	9156.616	8695.082	8099.883	7513.444	6907.985
19.5	13852.577	14272.844	14312.015	14327.242	14006.119	13304.884	12485.081	11521.624	10438.423	9240.113
17.0	20682.061	21895.497	22063.514	22100.613	21236.722	19713.108	17822.975	15987.340	13951.407	12164.650
15.0	28692.777	30457.798	30661.297	30701.695	29438.014	27175.284	24218.599	20934.406	18055.482	15280.745
13.0	40730.648	43632.563	43957.491	43968.086	41612.449	37542.716	32677.073	27443.151	22557.820	18997.811
11.0	57110.646	62888.069	63698.524	64083.875	60141.998	53308.913	44402.929	36551.615	28890.027	22934.476 *
9.0	80969.141	89848.896	90454.072	91415.890	85642.069	74543.919	61243.611	47612.875	36996.830	28060.580 *
7.0	112872.778	125708.297	126489.316	127496.750	117980.480	101017.618	80332.702	62151.122	45642.143	33754.238 *
5.0	146261.538	164276.175	165991.580	166934.422	153432.279	130743.055	103373.717	77245.706	55487.144	39448.303 *
3.0	171887.931	193501.013	198284.489	196718.889	180691.816	156829.825	124158.726	91150.554	63831.042	43952.788 *
1.0	188170.512	211520.779	217702.292	215276.264	199086.645	173460.188	138186.676	100741.496	69617.233	46769.531 *
0.0	191274.832	217043.402	222953.932	220901.312	203688.901	175141.172	139434.771	101434.646	69964.854	46901.364 *
-1.0	191803.902	216213.912	222365.672	220151.212	203542.896	176424.455	139736.073	100924.546	69671.299	47028.916 *
-3.0	182333.862	205144.602	209157.382	206698.701	191732.057	164831.776	127493.139	91281.106	64304.112	44542.997 *
-5.0	159523.855	179964.743	182371.873	182199.735	167364.157	141748.442	107884.587	77921.302	56999.118	39913.900 *
-7.0	122367.171	140065.149	142303.631	142491.386	128624.037	107367.208	83713.421	64031.406	47748.014	34355.551 *
-9.0	84686.656	96159.477	97434.250	97393.825	88066.679	75693.139	63378.929	50579.391	39236.078	29124.230 *
-11.0	59029.665	64246.900	64858.578	65140.877	61528.506	55784.509	47672.891	39459.857	31259.968	23937.903 *
-13.0	42969.327	45667.997	45871.916	46173.936	44272.773	40445.547	34891.081	29305.712	23889.057	19065.939
-15.0	30587.093	32065.967	32093.069	32176.347	30876.915	28425.313	25452.252	21978.381	18475.552	15354.701
-17.0	22105.987	23107.075	23128.487	23180.157	22345.237	20864.785	19012.390	16813.383	14458.371	12331.048
-19.5	14587.137	15144.260	15235.799	15280.774	15005.166	14296.121	13286.540	11901.895	10374.560	8916.965
-22.5	8626.905	8816.815	8796.293	8863.445	8761.075	8391.070	7923.338	7296.652	6627.597	5896.986
-25.5	5213.869	5338.260	5352.489	5397.598	5396.466	5268.049	5051.784	4746.425	4251.536	3715.862
-29.0	2858.279	2921.641	2929.438	2954.030	2949.837	2897.284	2785.222	2634.450	2479.644	2276.901
-33.0	1418.605	1413.509	1393.048	1426.660	1457.917	1455.626	1411.271	1345.235	1210.957	1066.435
-37.5	448.643	438.530	428.151	434.835	437.588	424.589	402.897	344.905	277.647	209.108
-42.5	8.241	4.498	2.357	2.432	2.320	1.796	0.785	0.489	0.276	0.034
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	11.295	4.214	0.375	0.027	0.004	0.000	0.000	0.000	0.000	0.000
47.5	172.448	115.683	74.704	42.461	28.511	15.765	1.906	0.000	0.000	0.000
42.5	589.754	493.878	382.235	252.006	147.176	53.769	5.515	0.005	0.000	0.000
37.5	1371.447	1222.669	1011.969	755.680	480.950	235.180	86.396	6.686	0.003	0.000
33.0	2075.044	1900.624	1650.517	1265.920	922.504	649.645	250.129	57.740	1.084	0.000
29.0	3063.802	2851.818	2543.704	2051.263	1531.269	957.222	569.212	146.527	9.093	0.002
25.5	4546.026	3912.505	3312.062	2860.926	2240.239	1478.218	843.810	289.675	20.279	0.000

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-10SP.IES

CANDELA TABULATION - (Cont.)

22.5	6324.088	5551.555	4481.964	3456.096	2803.290	1946.084	1109.274	454.837	39.063	0.027
19.5	8160.036	7251.073	6091.548	4446.289	3364.167	2401.296	1430.917	673.788	89.747	0.246
17.0	10474.322	8845.208	7303.583	5491.898	3909.487	2792.933	1671.123	843.163	129.878	0.805
15.0	12897.273	10738.717	8456.959	6349.991	4448.868	3141.959	1857.998	933.205	155.250	1.499
13.0	15689.166	12887.949	9896.374	7146.871	5032.018	3438.755	2078.754	1019.048	179.573	2.553
11.0	18835.643	15188.750	11618.779	8101.493	5616.476	3698.259	2281.194	1113.934	206.994	3.830
9.0	22044.602	17615.190	13365.915	9120.297	6216.109	4002.902	2472.860	1224.962	233.851	4.295
7.0	25543.825	19806.306	14865.230	10123.473	6731.137	4322.298	2622.266	1337.998	251.941	4.547
5.0	28686.089	21864.541	15975.431	11049.222	7154.031	4613.297	2747.218	1403.780	267.541	4.242
3.0	31211.043	23612.073	16876.036	11814.811	7543.695	4836.730	2824.963	1463.192	269.586	2.961
1.0	32704.631	24772.984	17418.659	12335.848	7775.277	4996.116	2865.319	1497.057	258.894	1.086
0.0	32805.637	24918.791	17529.878	12481.985	7828.869	5030.461	2865.741	1503.343	249.053	0.048
-1.0	32664.200	24751.873	17389.382	12267.128	7750.494	4959.735	2827.885	1474.371	245.566	0.046
-3.0	31084.569	23562.240	16765.413	11619.827	7473.057	4726.309	2717.739	1394.323	230.541	0.040
-5.0	28461.351	21819.827	15716.919	10758.488	7048.424	4425.655	2583.466	1286.328	205.581	0.029
-7.0	25500.941	19766.703	14352.033	9765.966	6571.704	4052.213	2423.812	1169.301	171.663	0.013
-9.0	22273.492	17479.394	12684.165	8738.685	5984.792	3621.881	2260.793	991.264	136.334	0.003
-11.0	18803.599	14912.023	11100.189	7760.716	5260.899	3152.519	2042.956	806.850	95.270	0.002
-13.0	15537.172	12623.385	9548.418	6732.543	4515.394	2750.112	1812.622	641.954	56.209	0.001
-15.0	12901.121	10557.275	8084.834	5715.646	3815.748	2425.328	1543.163	487.680	30.197	0.000
-17.0	10399.758	8623.280	6618.312	4654.884	3139.041	2143.010	1287.360	393.135	10.590	0.000
-19.5	7655.654	6400.868	4994.870	3529.562	2419.354	1802.368	945.936	287.984	1.792	0.000
-22.5	5152.872	4288.084	3362.134	2369.970	1867.017	1371.258	526.761	143.713	0.071	0.000
-25.5	3226.464	2767.055	2216.073	1738.578	1436.679	813.311	280.103	31.494	0.003	0.000
-29.0	2021.307	1748.973	1468.533	1181.015	739.014	320.925	89.443	0.897	0.000	0.000
-33.0	938.068	813.358	623.579	368.823	169.648	44.878	2.816	0.001	0.000	0.000
-37.5	140.760	98.113	53.117	21.608	4.781	0.124	0.000	0.000	0.000	0.000
-42.5	0.015	0.106	0.041	0.002	0.000	0.000	0.000	0.000	0.000	0.000
-47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000

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IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000
0.0	0.000	0.000	0.000	0.000	0.000
-1.0	0.000	0.000	0.000	0.000	0.000
-3.0	0.000	0.000	0.000	0.000	0.000
-5.0	0.000	0.000	0.000	0.000	0.000
-7.0	0.000	0.000	0.000	0.000	0.000
-9.0	0.000	0.000	0.000	0.000	0.000
-11.0	0.000	0.000	0.000	0.000	0.000
-13.0	0.000	0.000	0.000	0.000	0.000
-15.0	0.000	0.000	0.000	0.000	0.000
-17.0	0.000	0.000	0.000	0.000	0.000
-19.5	0.000	0.000	0.000	0.000	0.000
-22.5	0.000	0.000	0.000	0.000	0.000
-25.5	0.000	0.000	0.000	0.000	0.000
-29.0	0.000	0.000	0.000	0.000	0.000
-33.0	0.000	0.000	0.000	0.000	0.000
-37.5	0.000	0.000	0.000	0.000	0.000
-42.5	0.000	0.000	0.000	0.000	0.000
-47.5	0.000	0.000	0.000	0.000	0.000
-55.0	0.000	0.000	0.000	0.000	0.000
-65.0	0.000	0.000	0.000	0.000	0.000
-75.0	0.000	0.000	0.000	0.000	0.000
-85.0	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 13597.67
Total Field Lumens (one side of beam only) = 10210.92
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.18	0.33	0.30	0.25	0.21	0.16	0.12	0.09	0.06	0.05
55	0.73	1.41	1.34	1.24	1.14	1.03	0.91	0.78	0.65	0.62
47.5	1.30	2.55	2.46	2.34	2.19	2.02	1.82	1.61	1.39	1.43
42.5	2.28	4.51	4.42	4.28	4.09	3.85	3.60	3.32	3.00	3.26
37.5	3.13	6.21	6.10	5.91	5.68	5.43	5.17	4.86	4.48	4.96
33	4.48	8.89	8.69	8.36	7.92	7.40	6.86	6.32	5.77	6.41
29	6.14	12.14	11.82	11.34	10.72	9.94	9.05	8.12	7.20	7.81
25.5	7.52	14.86	14.40	13.70	12.82	11.86	10.84	9.73	8.54	9.02
22.5	10.89	21.51	20.70	19.46	17.93	16.27	14.60	12.96	11.34	11.91
19.5	13.84	27.09	25.60	23.57	21.27	18.79	16.32	14.09	12.08	12.52
17	16.04 *	31.23 *	29.14 *	26.29	23.13	19.92	16.86	14.19	11.87	12.01
15	22.69 *	44.02 *	40.64 *	35.96 *	30.73 *	25.72 *	21.26	17.43	14.25	14.12
13	32.74 *	63.04 *	57.22 *	49.41 *	41.01 *	33.21 *	26.57 *	21.25	16.97	16.50
11	46.95 *	90.12 *	80.53 *	67.98 *	54.71 *	42.71 *	32.94 *	25.52 *	19.96	19.09
9	66.13 *	126.63 *	111.85 *	92.32 *	72.12 *	54.38 *	40.28 *	30.09 *	22.97	21.62
7	89.05 *	169.71 *	148.58 *	120.91 *	92.39 *	67.57 *	48.31 *	34.74 *	25.74 *	23.80
5	110.42 *	209.09 *	182.85 *	148.70 *	112.33 *	80.23 *	55.72 *	38.81 *	28.07 *	25.57
3	125.57 *	236.97 *	208.04 *	169.76 *	127.87 *	90.11 *	61.00 *	41.57 *	29.72 *	26.80
1	66.41 *	125.34 *	109.70 *	89.24 *	67.18 *	47.10 *	31.50 *	21.26 *	15.16 *	13.64
0	67.12 *	126.68 *	110.77 *	89.96 *	67.51 *	47.18 *	31.54 *	21.31 *	15.19 *	13.64
-1	130.31 *	246.22 *	215.93 *	174.84 *	129.95 *	90.64 *	61.42 *	41.99 *	29.90 *	26.80

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LUMENS TABULATION - (Cont.)

-3	118.57 *	224.50 *	195.87 *	156.77 *	115.35 *	81.23 *	56.66 *	39.57 *	28.35 *	25.52
-5	98.54 *	186.09 *	160.70 *	127.97 *	95.34 *	69.27 *	49.87 *	35.68 *	26.03 *	23.64
-7	72.77 *	136.97 *	118.13 *	96.07 *	74.91 *	56.95 *	42.24 *	31.04 *	23.21	21.31
-9	49.31 *	93.80 *	83.21 *	70.73 *	57.84 *	45.54 *	34.74 *	26.28 *	20.08	18.71
-11	33.71 *	65.30 *	60.02 *	52.53 *	43.90 *	35.42 *	27.83 *	21.72	16.96	16.09
-13	23.76 *	46.39 *	43.22 *	38.46 *	32.79 *	27.14 *	22.00	17.66	14.14	13.62
-15	16.83 *	32.94 *	30.94 *	28.05 *	24.56	20.83	17.30	14.25	11.61	11.26
-17	14.61	28.68	27.20	25.02	22.35	19.35	16.38	13.69	11.25	11.09
-19.5	10.99	21.71	20.84	19.48	17.74	15.68	13.53	11.48	9.60	9.76
-22.5	6.48	12.88	12.49	11.80	10.88	9.77	8.60	7.51	6.49	6.81
-25.5	4.42	8.80	8.59	8.20	7.65	6.97	6.28	5.62	4.98	5.30
-29	2.64	5.30	5.22	5.04	4.77	4.43	4.05	3.67	3.26	3.48
-33	1.26	2.56	2.56	2.48	2.33	2.09	1.81	1.57	1.37	1.42
-37.5	0.33	0.68	0.67	0.65	0.59	0.49	0.39	0.28	0.21	0.19
-42.5	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90										
Total	1278.12	2435.16	2160.74	1799.1	1413.93	1070.7	798.36	600.06	461.83	439.77

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.03	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.49	0.29	0.18	0.08	0.02	0.00	0.00	0.00	0.00	0.00

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	1.31	0.92	0.65	0.33	0.09	0.01	0.00	0.00	0.00	0.00
42.5	3.16	2.31	1.73	1.07	0.47	0.11	0.01	0.00	0.00	0.00
37.5	4.90	3.74	3.09	2.12	1.08	0.36	0.04	0.00	0.00	0.00
33	6.50	5.15	4.40	3.23	1.83	0.69	0.11	0.00	0.00	0.00
29	7.89	6.31	5.41	4.11	2.51	1.01	0.21	0.01	0.00	0.00
25.5	8.78	6.92	5.99	4.57	2.91	1.29	0.29	0.03	0.00	0.00
22.5	11.25	8.58	7.32	5.56	3.68	1.75	0.40	0.06	0.00	0.00
19.5	11.66	8.64	7.24	5.43	3.61	1.82	0.44	0.07	0.00	0.00
17	11.00	8.02	6.64	4.89	3.18	1.67	0.42	0.07	0.00	0.00
15	12.61	9.04	7.41	5.39	3.46	1.83	0.49	0.08	0.00	0.00
13	14.41	10.10	8.13	5.87	3.79	1.98	0.55	0.10	0.00	0.00
11	16.37	11.19	8.82	6.34	4.11	2.13	0.61	0.11	0.00	0.00
9	18.27	12.25	9.47	6.79	4.40	2.27	0.65	0.12	0.00	0.00
7	19.91	13.22	10.04	7.16	4.60	2.37	0.68	0.12	0.00	0.00
5	21.23	14.06	10.53	7.44	4.74	2.44	0.69	0.12	0.00	0.00
3	22.16	14.68	10.89	7.61	4.82	2.48	0.69	0.12	0.00	0.00
1	11.28	7.48	5.52	3.84	2.42	1.24	0.34	0.06	0.00	0.00
0	11.27	7.46	5.50	3.82	2.40	1.23	0.33	0.05	0.00	0.00
-1	22.03	14.53	10.72	7.45	4.69	2.39	0.64	0.10	0.00	0.00
-3	20.96	13.77	10.21	7.13	4.50	2.25	0.59	0.09	0.00	0.00
-5	19.45	12.80	9.57	6.73	4.26	2.09	0.54	0.07	0.00	0.00
-7	17.62	11.66	8.83	6.27	3.97	1.89	0.47	0.06	0.00	0.00
-9	15.63	10.41	7.95	5.73	3.62	1.64	0.40	0.04	0.00	0.00
-11	13.62	9.16	7.05	5.16	3.24	1.38	0.32	0.03	0.00	0.00
-13	11.66	7.98	6.23	4.60	2.84	1.13	0.25	0.02	0.00	0.00
-15	9.78	6.85	5.46	4.05	2.41	0.89	0.17	0.01	0.00	0.00
-17	9.89	7.08	5.78	4.29	2.41	0.83	0.13	0.01	0.00	0.00
-19.5	9.01	6.59	5.58	4.00	2.04	0.65	0.06	0.00	0.00	0.00

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

-22.5	6.45	4.93	4.19	2.71	1.21	0.35	0.01	0.00	0.00	0.00
-25.5	5.17	3.99	3.07	1.72	0.67	0.15	0.00	0.00	0.00	0.00
-29	3.30	2.28	1.48	0.71	0.23	0.03	0.00	0.00	0.00	0.00
-33	1.20	0.68	0.34	0.12	0.03	0.00	0.00	0.00	0.00	0.00
-37.5	0.14	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-42.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-47.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90										
Total	380.37	263.14	205.46	146.29	90.27	42.33	10.52	1.55	0.00	0.00

Vert. Angles	**Horizontal Angles**			
	75	**85**	**90**	**Total**
90	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00
65	0.00	0.00	1.80	1.80
55	0.00	0.00	10.89	10.89
47.5	0.00	0.00	22.44	22.44
42.5	0.00	0.00	45.47	45.47
37.5	0.00	0.00	67.28	67.28
33	0.00	0.00	93.00	93.00
29	0.00	0.00	121.73	121.73
25.5	0.00	0.00	144.08	144.08
22.5	0.00	0.00	196.16	196.16
19.5	0.00	0.00	224.08	224.08
17	0.00	0.00	236.58	236.58

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LUMENS TABULATION - (Cont.)

15			
	0.00	0.00	307.16
13			
	0.00	0.00	402.84
11			
	0.00	0.00	530.18
9			
	0.00	0.00	692.58
7			
	0.00	0.00	878.88
5			
	0.00	0.00	1053.03
3			
	0.00	0.00	1180.84
1			
	0.00	0.00	618.70
0			
	0.00	0.00	622.98
-1			
	0.00	0.00	1210.55
-3			
	0.00	0.00	1101.91
-5			
	0.00	0.00	928.64
-7			
	0.00	0.00	724.34
-9			
	0.00	0.00	545.67
-11			
	0.00	0.00	413.45
-13			
	0.00	0.00	313.89
-15			
	0.00	0.00	238.18
-17			
	0.00	0.00	220.02
-19.5			
	0.00	0.00	178.73
-22.5			
	0.00	0.00	113.54
-25.5			
	0.00	0.00	81.58
-29			
	0.00	0.00	49.90
-33			
	0.00	0.00	21.80
-37.5			
	0.00	0.00	4.70
-42.5			
	0.00	0.00	0.05
-47.5			
	0.00	0.00	0.00
-55			
	0.00	0.00	0.00
-65			
	0.00	0.00	0.00

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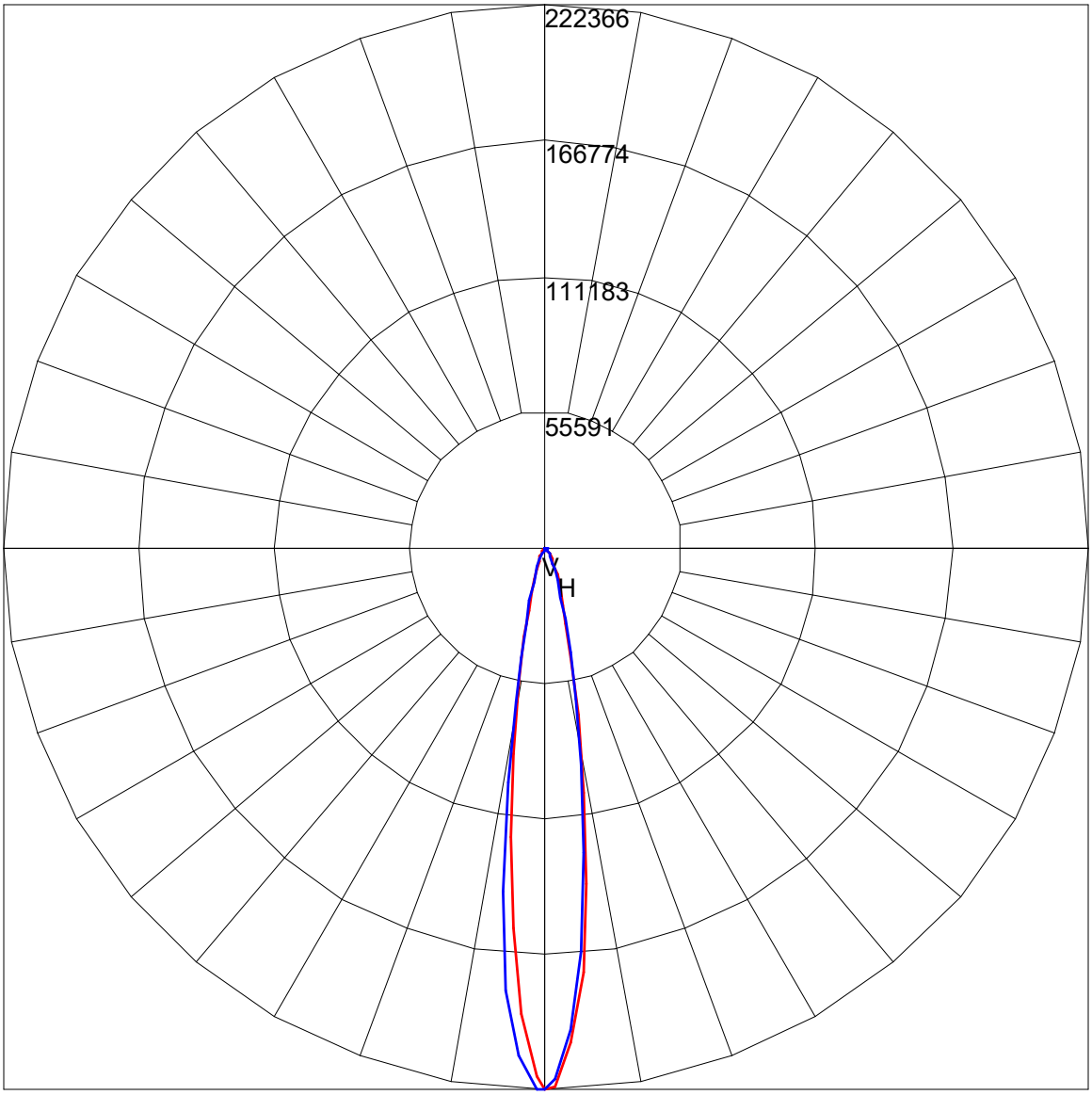
IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-10SP.IES

LUMENS TABULATION - (Cont.)

-75			
	0.00	0.00	0.00
-85			
	0.00	0.00	0.00
-90			
Total	0.00	0.00	13597.67

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-10SP.IES

AXIAL CANDELA DISPLAY

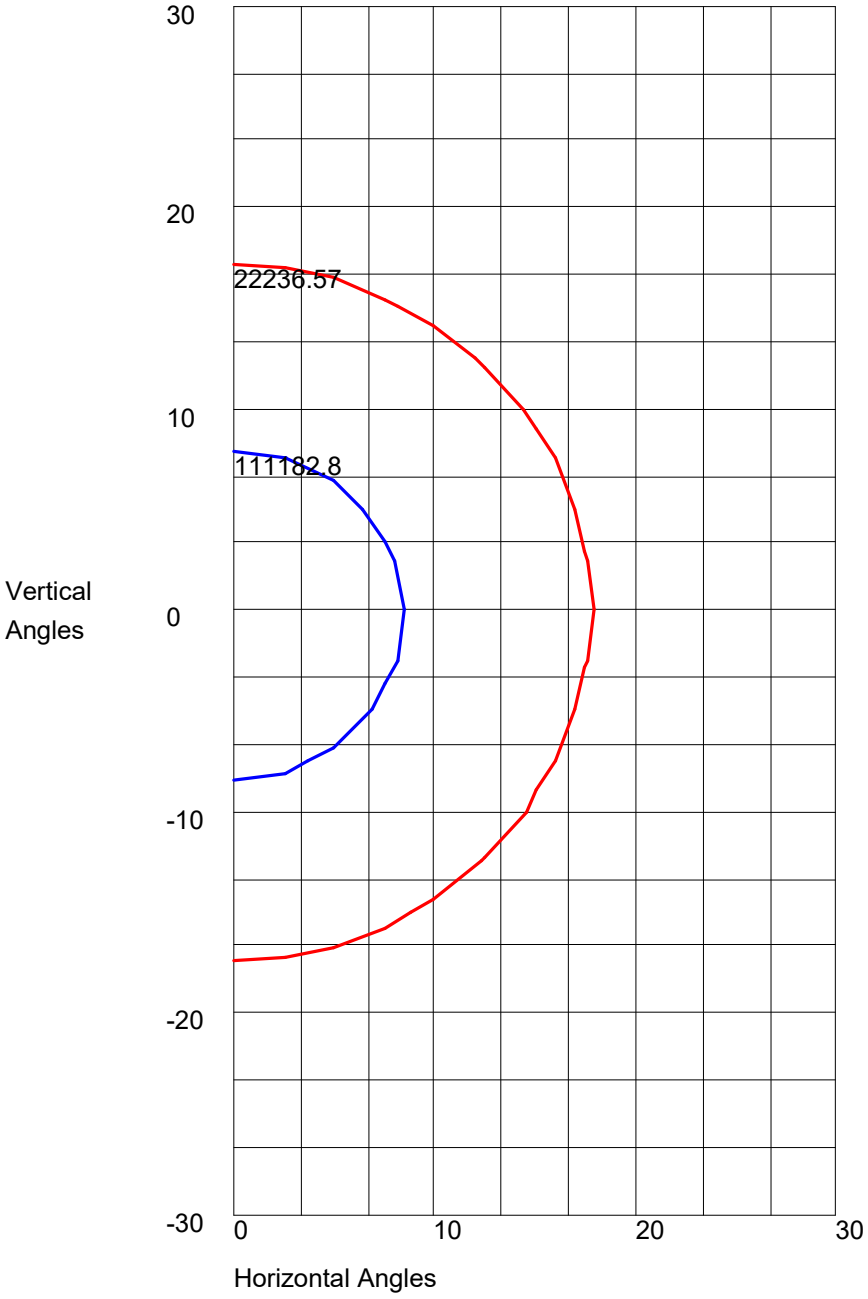


Maximum Candela = 222365.675 Located At Horizontal Angle = 0, Vertical Angle =-1
H - Horizontal Axial Candela
V - Vertical Axial Candela

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ISOCANDELA CURVES



Maximum Candela = 222365.675 Located At Horizontal Angle = 0, Vertical Angle =-1
50% Maximum Candela = 111182.8375
10% Maximum Candela = 22236.5675

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-24WS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194022
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-13
[ISSUEDATE] 2019-04-13
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-200W-LED-24WS
[LUMINAIRE] 200W LED FLOOD LIGHT - 24 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS



NEMA Type	4 H x 4 V
Maximum Candela	89964.632
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	23.6
Vertical Beam Angle (50%)	23.5
Horizontal Field Angle (10%)	49.9
Vertical Field Angle (10%)	49.7
Lumens Per Lamp	27000 (1 lamp)
Total Lamp Lumens	27000
Beam Lumens	8302
Beam Efficiency	31 %
Field Lumens	17489
Field Efficiency	65 %
Spill Lumens	7689
Luminaire Lumens	25178
Total Efficiency	93 %
Total Luminaire Watts	200
Ballast Factor	1.00

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IES FLOOD REPORT
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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	28.548	90	19.932
85	59.411	85	55.047
75	200.148	75	192.477
65	454.076	65	446.435
55	959.562	55	1105.178
47.5	1792.705	47.5	1899.777
42.5	2589.261	42.5	2729.505
37.5	3563.727	37.5	3707.238
33	4719.937	33	4870.062
29	6276.328	29	6500.005
25.5	8387.348	25.5	8752.212
22.5	12042.312	22.5	12616.352
19.5	16832.991	19.5	17669.319
17	24019.442	17	25222.174
15	29768.602	15	31264.458
13	39538.644	13	41725.725
11	49308.686	11	52186.992
9	59255.854	9	62645.56
7	69380.149	7	73101.427
5	79504.444	5	83557.294
3	83688.519	3	86120.229
1	87872.594	1	88683.164
0	89964.632	0	89964.632
-1	87778.091	-1	87704.108
-3	83405.009	-3	83183.061
-5	79031.927	-5	78662.013
-7	68809.348	-7	67430.677
-9	58586.769	-9	56199.341
-11	48597.479	-11	45806.17
-13	38841.478	-13	36251.165
-15	29085.477	-15	26696.159
-17	23501.238	-17	21546.204
-19.5	16520.939	-19.5	15108.76
-22.5	11884.49	-22.5	10945.125
-25.5	8344.903	-25.5	7798.078
-29	6250.515	-29	5901.77
-33	4697.094	-33	4485.46
-37.5	3563.187	-37.5	3422.647
-42.5	2594.203	-42.5	2484.079
-47.5	1774.628	-47.5	1700.213
-55	934.019	-55	963.639
-65	438.118	-65	392.487
-75	189.788	-75	173.33
-85	51.52	-85	49.401
-90	22.539	-90	23.812

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-24WS.IES

CANDELA TABULATION
Maximum Candela = 89964.632
Beam Edge = 44982.316 Cd (50% of Max.)
Field Edge = 8996.4632 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	22.481	22.457	22.409	22.361	22.366	22.410	22.439	22.468	22.494	22.425
85.0	22.486	24.970	29.815	34.360	38.712	41.892	43.866	45.704	47.228	48.496
75.0	22.496	29.932	44.453	66.953	96.335	117.009	134.533	150.815	164.267	175.086
65.0	22.506	34.671	66.708	118.627	187.428	247.277	293.742	341.795	381.958	413.660
55.0	22.514	39.046	94.041	183.090	298.384	402.650	469.562	555.795	623.934	680.239
47.5	22.520	42.008	112.737	234.144	388.914	542.451	655.734	828.035	974.032	1130.897
42.5	22.524	43.803	128.088	267.913	447.369	650.554	858.146	1081.852	1323.198	1526.549
37.5	22.527	45.436	141.946	298.613	528.986	817.306	1077.095	1400.379	1746.046	2065.347
33.0	22.530	46.759	153.048	327.366	594.633	955.082	1315.442	1743.656	2172.906	2627.182
29.0	22.532	47.810	161.767	352.037	649.158	1104.519	1513.135	2062.911	2628.202	3158.811
25.5	22.533	48.629	168.474	371.347	717.080	1234.438	1730.583	2351.694	3010.165	3592.173
22.5	22.535	49.254	173.518	386.115	768.411	1333.986	1897.773	2609.179	3323.868	3954.332
19.5	22.536	49.805	177.899	399.164	813.141	1421.912	2045.848	2840.079	3608.864	4358.715
17.0	22.537	50.208	181.037	408.677	845.233	1496.198	2153.733	3010.400	3818.126	4761.256
15.0	22.537	50.492	183.208	415.372	867.449	1561.476	2248.930	3131.490	3966.669	5043.495
13.0	22.538	50.743	185.075	421.234	886.552	1618.379	2339.316	3245.089	4097.355	5291.954
11.0	22.538	51.493	186.638	426.249	902.516	1666.723	2416.627	3342.265	4261.396	5504.573
9.0	22.538	51.498	187.896	430.402	915.326	1706.358	2480.484	3422.456	4417.802	5679.519
7.0	22.539	51.503	188.848	433.679	924.976	1737.166	2530.562	3485.191	4540.472	5884.632
5.0	22.539	51.508	190.437	436.072	931.469	1759.064	2566.600	3530.109	4628.711	6085.959
3.0	22.539	51.513	190.178	438.591	938.284	1772.006	2588.406	3556.967	4682.146	6209.733
1.0	22.539	51.518	189.918	438.276	935.442	1775.988	2595.867	3565.655	4700.758	6256.064
0.0	22.539	51.520	189.788	438.118	934.019	1774.628	2594.203	3563.187	4697.094	6250.515
-1.0	22.539	51.520	189.787	437.678	933.463	1771.715	2589.226	3555.213	4683.531	6226.885
-3.0	22.539	51.490	189.784	436.798	932.353	1759.248	2568.587	3525.865	4631.083	6123.819
-5.0	22.539	51.471	189.781	433.109	921.690	1738.002	2533.906	3479.009	4545.633	5948.085
-7.0	22.539	51.451	187.939	429.569	911.439	1708.100	2485.493	3415.174	4428.341	5702.496
-9.0	22.538	51.432	186.736	425.180	898.183	1669.702	2423.722	3334.995	4280.604	5459.469
-11.0	22.538	51.412	185.235	419.964	881.959	1622.994	2349.026	3239.180	4104.009	5250.734
-13.0	22.538	50.651	183.437	413.942	862.809	1568.193	2261.882	3128.503	3923.388	5012.325
-15.0	22.537	50.388	181.344	407.138	840.786	1505.538	2162.803	3003.777	3775.965	4746.709
-17.0	22.537	50.091	178.959	399.576	815.946	1435.288	2060.070	2871.810	3614.338	4456.319
-19.5	22.536	49.674	175.571	389.095	781.036	1355.725	1944.250	2690.540	3394.064	4061.589
-22.5	22.535	49.107	170.919	375.075	733.666	1263.014	1789.365	2450.694	3105.291	3673.065
-25.5	22.533	48.468	165.638	359.563	680.566	1160.641	1618.443	2188.906	2797.506	3322.404
-29.0	22.532	47.636	158.705	339.695	611.748	1029.993	1400.590	1903.630	2422.325	2906.036
-33.0	22.530	46.574	149.795	314.823	556.986	882.321	1206.451	1594.072	1980.150	2391.316
-37.5	22.527	45.244	138.573	286.217	492.750	747.742	978.692	1265.898	1573.319	1854.102
-42.5	22.524	43.608	124.702	255.829	414.839	589.637	772.634	966.128	1176.024	1349.900
-47.5	22.520	41.820	109.466	222.917	359.595	490.295	586.206	733.331	853.394	985.102
-55.0	22.514	38.879	91.198	173.646	275.769	365.473	417.826	489.121	544.000	588.182
-65.0	22.506	34.556	64.841	111.721	173.396	227.394	269.822	314.087	346.986	369.745
-75.0	22.496	29.889	43.574	63.636	89.007	106.960	122.464	136.648	148.181	157.326
-85.0	22.486	25.013	29.682	33.725	37.061	39.224	40.508	41.651	42.550	43.378
-90.0	22.481	22.544	22.670	22.794	22.570	22.142	21.856	21.570	21.312	21.229

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IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	22.125	21.867	21.610	21.395	21.223	21.051	20.879	20.707	20.535	20.363
85.0	49.607	50.506	51.347	52.001	52.491	52.949	53.985	54.178	54.371	54.564
75.0	181.465	185.928	189.484	191.773	193.173	194.199	194.862	195.170	195.135	195.702
65.0	430.185	437.999	444.502	448.830	451.526	453.502	454.722	455.151	454.756	453.505
55.0	755.357	816.526	873.953	918.363	951.347	981.843	1009.642	1034.535	1056.316	1074.783
47.5	1267.257	1373.431	1470.446	1552.046	1624.588	1689.158	1745.507	1793.407	1832.657	1863.089
42.5	1750.637	1924.497	2082.752	2201.768	2305.694	2405.098	2492.032	2566.041	2626.714	2673.695
37.5	2354.200	2616.955	2853.273	3034.956	3166.579	3292.485	3402.962	3497.304	3574.872	3635.114
33.0	3005.078	3312.892	3601.656	3818.609	3981.215	4127.591	4310.452	4487.928	4632.871	4744.142
29.0	3587.374	3942.322	4336.605	4742.029	5037.512	5308.748	5547.108	5750.399	5990.996	6234.397
25.5	4079.501	4666.935	5263.035	5714.994	6250.285	6829.876	7347.943	7793.059	8159.335	8441.440
22.5	4674.770	5373.024	6195.000	7155.145	7859.967	8500.650	9138.849	*10215.926	*11115.004	*11817.915 *
19.5	5282.330	6206.765	7567.751	8622.896	9829.310	*11371.733	*12749.854	*13989.276	*15039.767	*15874.122 *
17.0	5746.708	7178.078	8634.335	10615.028	*12452.150	*14147.531	*15675.853	*18320.614	*20829.367	*22836.156 *
15.0	6277.983	7892.789	9855.389	*12471.562	*14439.364	*16657.701	*20229.515	*23385.192	*26165.352	*28450.254 *
13.0	6826.285	8522.864	11424.263	*14198.212	*16691.461	*20920.929	*24820.151	*28306.641	*31897.999	*36314.951 *
11.0	7297.616	9102.366	*12795.805	*15770.142	*20314.579	*24875.370	*29134.167	*34758.497	*40631.975	*45640.359 *
9.0	7687.042	10094.567	*13899.904	*18338.428	*23539.829	*28440.802	*34820.031	*42258.733	*48927.593	*54555.726 *
7.0	7990.442	10879.794	*14768.568	*20562.303	*25992.874	*31933.206	*40711.034	*48928.032	*56508.634	*63181.520 *
5.0	8204.827	11447.484	*15385.287	*22200.059	*27783.598	*35636.591	*45064.955	*54363.938	*63009.784	*70888.528 *
3.0	8328.611	11791.127	*16162.259	*23208.853	*28863.287	*38012.321	*47767.544	*57567.295	*67388.911	*76893.206 *
1.0	8361.811	11909.134	*16541.287	*23566.502	*29289.404	*38937.903	*48764.880	*58796.938	*69035.869	*79788.372 *
0.0	8344.903	11884.490	*16520.939	*23501.238	*29085.477	*38841.478	*48597.479	*58586.769	*68809.348	*79031.927 *
-1.0	8313.249	11821.524	*16393.754	*23332.719	*28964.395	*38504.684	*48183.008	*58069.364	*68178.419	*78707.011 *
-3.0	8185.326	11535.532	*15735.378	*22530.747	*27924.181	*36757.577	*46093.634	*55413.221	*64880.727	*73816.463 *
-5.0	7973.861	11044.984	*14720.228	*21143.874	*26322.497	*33683.898	*42490.033	*50950.060	*59105.180	*66352.195 *
-7.0	7683.024	10363.576	*13907.561	*19228.080	*24146.625	*29457.569	*37547.572	*44947.922	*51508.275	*57507.865 *
-9.0	7317.907	9507.404	*12904.364	*16847.980	*21475.923	*25778.514	*31469.751	*38080.365	*43730.294	*48196.729 *
-11.0	6884.192	8493.753	11734.629	*14276.313	*18304.044	*22260.534	*25829.479	*30666.419	*35628.251	*39985.979 *
-13.0	6387.853	7879.212	10398.641	*12759.860	*14858.014	*18501.546	*21750.070	*24519.984	*27404.234	*31417.980 *
-15.0	5834.877	7251.025	8939.240	11149.529	*12762.087	*14562.839	*17537.910	*20056.224	*22381.745	*24334.812 *
-17.0	5319.441	6572.016	7810.423	9464.890	*10965.345	*12303.096	*13454.701	*15621.583	*17787.684	*19513.078 *
-19.5	4875.189	5673.623	6824.553	7684.918	8655.579	9877.902	*10926.839	*11964.768	*12847.979	*13549.191 *
-22.5	4306.490	4905.139	5592.971	6376.820	6932.224	7417.295	7951.127	8866.564	9631.943	*10233.295 *
-25.5	3755.022	4258.860	4756.184	5122.192	5546.974	6022.459	6476.021	6871.260	7202.912	7466.047
-29.0	3284.092	3594.095	3928.504	4259.008	4505.070	4754.878	4978.577	5173.982	5398.340	5623.401
-33.0	2729.196	2998.546	3246.166	3434.529	3594.864	3741.527	3915.014	4082.820	4223.552	4335.875
-37.5	2107.093	2338.075	2542.103	2718.242	2848.631	2973.340	3084.587	3181.568	3263.522	3329.746
-42.5	1543.246	1690.023	1831.457	1943.538	2043.939	2141.636	2228.311	2303.388	2366.318	2416.596
-47.5	1098.995	1188.145	1279.488	1357.022	1425.835	1487.519	1541.834	1588.558	1627.492	1658.466
-55.0	647.147	699.069	749.023	788.317	817.911	845.619	871.210	894.447	915.096	932.921
-65.0	380.053	384.476	388.534	391.501	393.520	395.161	396.363	397.068	397.215	396.745
-75.0	163.091	167.136	170.371	172.462	173.748	174.699	175.323	175.630	175.627	176.169
-85.0	44.428	45.261	46.031	46.623	47.064	47.475	48.326	48.521	48.717	48.912
-90.0	21.542	21.809	22.077	22.300	22.478	22.656	22.834	23.012	23.190	23.368

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	20.191	20.019	19.932	20.109	20.463	20.816	21.169	21.523	21.876	22.229
85.0	54.757	54.950	55.047	55.156	55.374	55.592	55.810	56.028	56.246	55.583
75.0	194.412	193.122	192.477	193.320	195.005	196.690	196.524	196.960	197.057	196.804
65.0	452.428	448.433	446.435	447.342	449.154	448.163	447.431	445.996	443.933	441.316

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CANDELA TABULATION - (Cont.)

55.0	1094.108	1101.486	1105.178	1099.856	1089.218	1066.741	1045.206	1020.503	992.874	962.562
47.5	1884.565	1896.985	1899.777	1894.080	1875.901	1848.814	1813.015	1768.736	1716.233	1655.790
42.5	2706.692	2725.484	2729.505	2720.667	2692.349	2650.147	2594.488	2525.864	2444.813	2351.913
37.5	3677.576	3701.925	3707.238	3694.818	3656.351	3600.059	3526.459	3436.176	3329.917	3208.458
33.0	4820.872	4862.499	4870.062	4851.174	4787.396	4689.994	4560.460	4400.511	4212.029	4020.143
29.0	6400.451	6486.980	6500.005	6467.295	6342.461	6141.254	5867.788	5601.944	5377.445	5124.167
25.5	8634.920	8736.510	8752.212	8704.784	8541.271	8290.357	7957.989	7550.891	7076.166	6540.962
22.5	12308.170	12572.245	12616.352	12527.764	12176.808	11605.738	10831.582	9873.626	* 8752.035	8098.384
19.5	16912.705	17562.784	17669.319	17501.444	16732.271	15584.531	14654.264	13525.373	12229.642	10864.054 *
17.0	24270.851	25072.751	25222.174	24990.979	24030.798	22452.841	20325.502	17723.913	15054.351	13534.225 *
15.0	30113.416	31168.615	31264.458	31065.481	29812.010	27971.431	25540.077	22664.195	19492.895	15941.696 *
13.0	39541.472	41377.488	41725.725	41233.180	39126.481	35678.657	31110.477	27450.503	23942.563	20065.791 *
11.0	49471.495	51726.420	52186.992	51525.672	48897.594	44768.879	39593.565	33692.687	28086.685	23858.613 *
9.0	59209.707	62039.684	62645.560	61756.346	58410.706	53368.108	47600.708	40906.229	33528.044	27238.642 *
7.0	68665.151	72291.112	73101.427	71876.845	67522.691	61687.796	54838.001	47241.114	39119.642	30699.396 *
5.0	77504.391	82897.812	83557.294	82247.504	75855.792	69184.369	61132.866	52432.383	43772.010	34813.640 *
3.0	82720.943	85233.193	86120.229	84563.374	81252.659	75101.995	66051.413	56590.572	47177.868	37734.368 *
1.0	83831.543	87549.831	88683.164	87060.309	83271.750	79429.307	68948.092	58905.156	49024.517	39298.927 *
0.0	83405.009	87778.091	89964.632	87872.594	83688.519	79504.444	69380.149	59255.854	49308.686	39538.644 *
-1.0	82715.016	86362.411	87704.108	86793.414	82966.671	79133.837	68660.226	58624.804	48789.506	39126.184 *
-3.0	79162.020	81893.716	83183.061	82942.539	80452.449	74189.517	65173.157	55739.819	46503.170	37235.162 *
-5.0	71916.633	77766.056	78662.013	78784.328	74502.435	67768.944	59681.174	51047.902	42738.437	34040.315 *
-7.0	62672.557	66534.247	67430.677	67245.855	64688.165	59611.989	52781.455	45606.730	37847.361	29726.089 *
-9.0	52738.019	55609.776	56199.341	56149.702	54298.734	50592.609	45419.054	39164.458	32152.054	26186.996 *
-11.0	43432.796	45423.215	45806.170	45829.468	44596.028	41758.136	37458.797	31955.762	26711.832	22824.075 *
-13.0	34328.832	35958.657	36251.165	36253.681	35178.812	32726.264	29033.677	25829.944	22674.509	19119.194 *
-15.0	25743.866	26625.319	26696.159	26839.193	26359.760	25287.002	23572.332	21256.885	18400.298	15144.733 *
-17.0	20740.343	21421.316	21546.204	21571.822	21175.097	20184.250	18622.883	16532.377	14182.129	12855.393 *
-19.5	14445.586	15012.424	15108.760	15102.362	14703.870	13947.099	13364.539	12564.344	11560.963	10361.335 *
-22.5	10658.321	10897.384	10945.125	10951.251	10815.662	10481.680	9951.760	* 9232.453	* 8333.605	7796.060
-25.5	7656.351	7770.406	7798.078	7801.468	7748.017	7613.860	7399.751	7107.752	6741.029	6303.598
-29.0	5784.590	5879.597	5901.770	5898.718	5840.895	5713.759	5517.699	5318.643	5146.830	4942.162
-33.0	4418.643	4470.945	4485.460	4483.119	4454.804	4394.954	4303.808	4181.899	4030.028	3869.878
-37.5	3379.618	3412.613	3422.647	3420.537	3403.212	3368.474	3316.507	3247.617	3162.213	3060.804
-42.5	2453.762	2477.421	2484.079	2482.857	2470.011	2443.477	2403.535	2350.534	2284.877	2207.019
-47.5	1681.335	1695.990	1700.213	1700.114	1693.667	1678.887	1655.806	1624.494	1585.051	1537.609
-55.0	951.630	959.634	963.639	962.294	959.606	946.071	933.305	917.517	898.889	877.603
-65.0	396.487	393.821	392.487	395.230	400.714	403.732	406.917	409.407	411.239	412.452
-75.0	175.034	173.898	173.330	174.498	176.834	179.169	179.801	180.976	181.825	182.337
-85.0	49.108	49.303	49.401	49.573	49.916	50.260	50.603	50.947	51.290	50.932
-90.0	23.546	23.723	23.812	23.858	23.948	24.038	24.129	24.219	24.309	24.399

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	22.582	22.935	23.376	23.905	24.434	25.051	25.338	25.504	25.687	25.871
85.0	55.516	55.410	55.227	54.933	54.562	54.036	52.806	51.129	49.131	47.014
75.0	196.192	195.212	193.458	190.558	186.770	181.206	169.792	155.659	138.699	120.582
65.0	438.220	434.719	429.887	423.605	417.019	403.990	377.672	341.305	293.791	247.700
55.0	929.815	894.874	848.479	789.420	727.734	656.333	600.278	533.408	450.591	392.638
47.5	1587.711	1512.316	1427.131	1326.040	1221.422	1089.126	938.126	798.801	633.348	524.678
42.5	2247.774	2140.032	2016.375	1857.507	1689.067	1473.130	1276.140	1043.498	828.795	628.695
37.5	3072.623	2934.413	2747.861	2519.127	2266.432	1988.590	1681.786	1350.499	1040.228	791.569
33.0	3861.450	3688.081	3469.397	3182.817	2882.388	2520.505	2087.775	1677.570	1268.859	929.988
29.0	4844.847	4558.388	4174.994	3792.715	3442.140	3020.452	2515.720	1979.639	1463.120	1079.200
25.5	5970.934	5460.079	5032.203	4471.319	3916.871	3437.995	2872.740	2253.502	1677.211	1209.811

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CANDELA TABULATION - (Cont.)

22.5	7483.979	6810.765	5896.988	5121.011	4467.872	3785.826	3169.398	2505.544	1844.085	1311.263
19.5	9351.957	*8185.250	7181.437	5891.417	5023.904	4165.117	3459.947	2734.416	1994.197	1402.264
17.0	11868.785	*10081.867	*8176.023	6796.831	5446.623	4552.378	3681.749	2905.697	2105.529	1479.378
15.0	13759.093	*11846.190	*9326.621	*7460.847	5958.191	4838.342	3843.771	3029.518	2202.708	1546.812
13.0	15897.659	*13471.893	*10806.006	*8072.096	6516.254	5098.058	3990.804	3153.435	2295.463	1606.518
11.0	19372.290	*14934.478	*12142.652	*8686.728	7011.947	5329.163	4167.440	3262.566	2376.231	1658.264
9.0	22433.329	*17518.780	*13335.159	*9727.743	*7439.509	5529.298	4337.946	3356.067	2444.579	1701.843
7.0	25118.700	*19933.244	*14339.940	*10594.744	*7793.401	5764.977	4478.826	3433.137	2500.115	1737.071
5.0	27268.476	*21840.697	*15133.834	*11271.340	*8068.594	6002.818	4588.648	3493.045	2542.500	1763.797
3.0	28794.542	*23179.798	*16124.044	*11743.016	*8260.867	6168.248	4666.188	3535.139	2571.454	1781.898
1.0	29720.639	*23900.960	*16736.569	*11998.299	*8367.105	6259.192	4710.480	3558.878	2586.767	1791.291
0.0	29768.602	*24019.442	*16832.991	*12042.312	*8387.348	6276.328	4719.937	3563.727	2589.261	1792.705
-1.0	29593.185	*23814.415	*16688.604	*11973.710	*8356.872	6255.143	4708.584	3557.099	2584.968	1789.971
-3.0	28428.751	*22930.846	*15987.388	*11672.020	*8230.978	6156.648	4660.556	3529.769	2566.068	1777.956
-5.0	26706.570	*21459.783	*14926.693	*11162.015	*8021.424	5985.283	4579.452	3483.981	2533.557	1757.283
-7.0	24423.462	*19466.350	*14076.745	*10459.803	*7732.738	5744.108	4466.345	3420.211	2487.663	1728.070
-9.0	21679.118	*17021.904	*13039.399	*9583.576	*7370.324	5505.963	4322.551	3339.052	2428.685	1690.470
-11.0	18637.689	*14456.430	*11840.681	*8552.298	6940.118	5302.059	4149.589	3241.181	2356.979	1644.664
-13.0	15242.012	*13004.966	*10523.039	*7939.286	6448.283	5067.936	3970.218	3127.352	2272.950	1590.863
-15.0	13169.312	*11425.765	*9089.426	*7333.642	5900.938	4806.011	3818.474	2998.371	2177.046	1529.299
-17.0	11367.172	*9740.596	*7978.042	6681.071	5397.192	4518.684	3651.180	2870.918	2077.025	1460.225
-19.5	9005.600	*7941.786	7010.367	5799.701	4967.735	4129.462	3421.969	2695.443	1963.133	1381.496
-22.5	7238.909	6621.081	5773.311	5038.777	4408.508	3740.162	3121.298	2461.949	1810.708	1289.220
-25.5	5801.600	5330.491	4927.092	4391.964	3856.117	3381.244	2817.622	2205.744	1642.382	1187.189
-29.0	4706.428	4444.944	4082.691	3714.888	3371.294	2953.838	2456.826	1930.344	1427.701	1056.814
-33.0	3735.206	3584.000	3377.194	3098.967	2805.128	2450.642	2026.290	1630.228	1235.135	909.277
-37.5	2943.974	2822.748	2655.275	2433.353	2187.101	1919.560	1625.978	1307.890	1010.835	774.973
-42.5	2117.451	2024.464	1920.695	1779.308	1620.580	1415.377	1229.671	1008.831	806.155	617.865
-47.5	1482.329	1419.397	1348.501	1263.959	1168.519	1044.822	902.987	773.077	618.291	514.733
-55.0	853.846	827.807	792.331	745.943	695.875	630.170	581.561	521.454	443.633	384.745
-65.0	413.084	413.175	412.590	410.965	408.461	397.610	370.481	333.556	286.243	241.010
-75.0	182.499	182.300	181.527	179.804	177.187	172.967	162.556	149.475	133.589	116.423
-85.0	51.036	51.103	51.133	51.091	50.960	50.696	49.824	48.569	47.030	45.353
-90.0	24.489	24.579	24.692	24.826	24.961	25.117	25.307	25.524	25.766	26.007

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	26.146	26.689	27.408	28.127	28.486
85.0	43.665	39.448	35.289	30.803	28.491
75.0	99.659	72.364	50.890	36.095	28.502
65.0	187.849	122.121	73.443	41.161	28.512
55.0	295.806	186.170	100.723	45.848	28.521
47.5	382.892	237.494	119.614	49.029	28.528
42.5	439.694	271.810	135.135	50.961	28.532
37.5	520.748	303.313	149.221	52.723	28.535
33.0	587.124	332.507	160.577	54.153	28.538
29.0	643.267	357.661	169.557	55.292	28.540
25.5	713.178	377.650	176.519	56.183	28.542
22.5	766.747	393.176	181.799	56.865	28.543
19.5	814.170	407.130	186.430	57.469	28.544
17.0	848.821	417.496	189.786	57.913	28.545
15.0	873.268	424.930	192.136	58.227	28.546
13.0	894.745	431.575	194.188	58.505	28.546
11.0	913.206	437.408	195.938	59.316	28.547
9.0	928.612	442.407	197.386	59.333	28.547

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CANDELA TABULATION - (Cont.)

7.0	940.934	446.553	198.530	59.350	28.547
5.0	950.151	449.826	200.315	59.368	28.548
3.0	959.751	453.246	200.248	59.385	28.548
1.0	959.625	453.799	200.181	59.411	28.548
0.0	959.562	454.076	200.148	59.411	28.548
-1.0	959.044	453.662	200.143	59.398	28.548
-3.0	958.009	452.835	200.133	59.371	28.548
-5.0	947.307	449.144	200.123	59.344	28.548
-7.0	937.033	445.601	198.263	59.317	28.547
-9.0	923.734	441.187	197.045	59.290	28.547
-11.0	907.453	435.923	195.524	59.263	28.547
-13.0	888.237	429.830	193.703	58.445	28.546
-15.0	866.145	422.930	191.583	58.159	28.546
-17.0	841.240	415.246	189.167	57.836	28.545
-19.5	806.258	404.575	185.732	57.384	28.544
-22.5	758.828	390.270	181.013	56.769	28.543
-25.5	705.709	374.409	175.652	56.078	28.542
-29.0	636.934	354.052	168.607	55.178	28.540
-33.0	580.477	328.511	159.547	54.031	28.538
-37.5	513.656	299.081	148.122	52.596	28.535
-42.5	432.264	267.815	133.987	50.832	28.531
-47.5	375.064	233.959	118.447	48.903	28.527
-55.0	288.144	183.331	99.614	45.735	28.521
-65.0	183.384	119.688	72.520	41.080	28.512
-75.0	96.633	70.725	50.308	36.060	28.501
-85.0	42.616	39.003	35.180	30.822	28.491
-90.0	26.368	26.922	27.548	28.174	28.485

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 12588.81
Total Field Lumens (one side of beam only) = 8744.53
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.14
85	0.38	0.76	0.76	0.76	0.76	0.75	0.75	0.74	0.73	0.89
75	0.97	1.96	1.96	1.96	1.95	1.94	1.92	1.90	1.87	2.29
65	2.36	4.70	4.66	4.58	4.49	4.39	4.28	4.15	4.00	4.79
55	3.43	6.81	6.72	6.59	6.43	6.23	6.01	5.75	5.47	6.44
47.5	3.52	7.00	6.91	6.78	6.61	6.39	6.15	5.86	5.55	6.51
42.5	4.90	9.73	9.61	9.42	9.18	8.88	8.54	8.15	7.72	9.04
37.5	5.87	11.66	11.49	11.23	10.90	10.49	10.02	9.55	9.08	10.64
33	6.92	13.70	13.42	12.98	12.46	11.91	11.33	10.73	10.11	11.71
29	8.12	16.07	15.69	15.13	14.43	13.66	12.81	11.87	10.91	12.43
25.5	9.74 *	19.22 *	18.65 *	17.77 *	16.63 *	15.24	13.92	12.75	11.57	12.89
22.5	13.79 *	27.01 *	25.75 *	24.20 *	22.45 *	20.36 *	18.26 *	16.26	14.34	15.62
19.5	16.27 *	31.79 *	30.14 *	27.94 *	25.34 *	22.36 *	19.67 *	17.26 *	14.82 *	15.61
17	17.15 *	33.57 *	31.90 *	29.47 *	26.39 *	22.88 *	19.48 *	16.67 *	14.28 *	14.65 *
15	22.15 *	43.14 *	40.57 *	36.83 *	32.66 *	28.54 *	24.14 *	19.86 *	16.51 *	16.89 *
13	28.46 *	55.24 *	51.57 *	46.29 *	40.34 *	34.53 *	29.15 *	23.94 *	19.13 *	19.08 *
11	34.78 *	67.43 *	62.95 *	56.81 *	49.52 *	41.57 *	34.26 *	28.09 *	22.29 *	21.47 *
9	41.08 *	79.42 *	73.93 *	66.75 *	58.40 *	49.12 *	39.70 *	31.83 *	25.39 *	23.99 *
7	47.41 *	91.15 *	84.24 *	75.80 *	66.13 *	55.74 *	44.95 *	35.36 *	27.92 *	26.06 *
5	51.35 *	99.28 *	92.59 *	83.25 *	72.17 *	60.71 *	49.16 *	38.26 *	29.74 *	27.70 *
3	52.85 *	102.81 *	97.58 *	88.25 *	75.90 *	63.68 *	51.65 *	40.00 *	30.82 *	28.82 *
1	26.94 *	52.09 *	49.53 *	44.98 *	38.59 *	32.34 *	26.24 *	20.28 *	15.58 *	14.61 *
0	26.81 *	51.87 *	49.31 *	44.79 *	38.43 *	32.20 *	26.14 *	20.20 *	15.52 *	14.56 *
-1	51.76 *	100.96 *	95.89 *	86.75 *	74.62 *	62.61 *	50.83 *	39.39 *	30.38 *	28.46 *

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-24WS.IES

LUMENS TABULATION - (Cont.)

-3	49.12 *	95.50 *	89.36 *	80.42 *	69.68 *	58.64 *	47.60 *	37.11 *	28.91 *	27.02 *
-5	44.36 *	85.86 *	79.77 *	71.84 *	62.68 *	52.97 *	42.83 *	33.77 *	26.78 *	25.12 *
-7	37.53 *	73.05 *	68.42 *	62.00 *	54.48 *	46.02 *	37.27 *	29.98 *	24.05 *	22.87 *
-9	31.00 *	60.59 *	57.06 *	51.92 *	45.56 *	38.40 *	31.76 *	26.18 *	20.89 *	20.27 *
-11	24.95 *	48.86 *	46.10 *	41.72 *	36.57 *	31.49 *	26.77 *	22.13 *	17.79 *	17.90 *
-13	19.16 *	37.64 *	35.76 *	32.74 *	29.27 *	25.80 *	22.00 *	18.23 *	15.28 *	15.78 *
-15	14.69 *	28.99 *	27.85 *	26.00 *	23.50 *	20.55 *	17.64 *	15.24 *	13.18 *	13.67 *
-17	13.94 *	27.43 *	26.26 *	24.58 *	22.49 *	20.02 *	17.79 *	15.77 *	13.69 *	14.57
-19.5	11.89 *	23.42 *	22.52 *	21.36 *	20.00 *	18.31 *	16.59 *	14.91	13.28	14.60
-22.5	8.56 *	16.96 *	16.56 *	15.90	14.99	13.85	12.75	11.76	10.75	12.07
-25.5	7.30	14.48	14.21	13.77	13.19	12.55	11.83	11.01	10.18	11.66
-29	6.32	12.55	12.33	11.97	11.52	11.05	10.54	10.00	9.45	10.98
-33	5.41	10.77	10.63	10.41	10.11	9.75	9.33	8.90	8.46	9.92
-37.5	4.49	8.94	8.84	8.67	8.46	8.19	7.87	7.51	7.12	8.34
-42.5	3.18	6.34	6.27	6.15	6.00	5.81	5.59	5.34	5.06	5.93
-47.5	3.04	6.05	5.98	5.88	5.74	5.58	5.39	5.17	4.93	5.80
-55	2.06	4.12	4.09	4.04	3.97	3.90	3.81	3.70	3.59	4.31
-65	0.86	1.74	1.75	1.75	1.75	1.75	1.74	1.72	1.70	2.09
-75	0.34	0.68	0.69	0.69	0.69	0.68	0.68	0.67	0.66	0.81
-85	0.06	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.13
-90										
Total	765.32	1491.6	1410.48	1291.37	1145.66	992.08	839.35	698.17	579.70	589.11

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.16	0.16	0.18	0.19	0.20	0.21	0.19	0.24	0.24	0.15
85	1.04	1.00	1.10	1.17	1.17	1.12	0.93	1.08	0.93	0.49
75	2.66	2.56	2.83	2.96	2.91	2.70	2.14	2.33	1.81	0.80
65	5.40	5.01	5.31	5.40	5.25	4.78	3.77	4.04	3.00	1.23
55	7.14	6.48	6.69	6.55	6.14	5.39	4.11	4.33	3.15	1.24

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LUMENS TABULATION - (Cont.)

47.5	7.19	6.47	6.60	6.35	5.78	4.90	3.58	3.58	2.54	0.98
42.5	9.93	8.86	8.95	8.54	7.63	6.33	4.50	4.31	2.93	1.10
37.5	11.66	10.40	10.51	9.92	8.73	7.13	4.96	4.60	2.99	1.09
33	12.72	11.33	11.49	10.82	9.44	7.60	5.18	4.67	2.92	1.05
29	13.32	11.65	11.71	11.07	9.63	7.67	5.19	4.60	2.78	0.97
25.5	13.44	11.51	11.34	10.63	9.27	7.38	4.94	4.32	2.56	0.87
22.5	15.81	13.16	12.69	11.68	10.18	8.08	5.35	4.63	2.71	0.90
19.5	15.36	12.41	11.65	10.57	9.11	7.21	4.74	4.07	2.35	0.77
17	13.93	11.01	10.10	9.01	7.66	6.06	3.98	3.40	1.94	0.63
15	15.65	12.01	10.86	9.44	7.96	6.31	4.15	3.52	1.98	0.64
13	17.39 *	12.95	11.58	9.85	8.26	6.54	4.30	3.62	2.02	0.64
11	19.15 *	13.99	12.20	10.24	8.55	6.74	4.43	3.71	2.05	0.65
9	20.82 *	15.07	12.74	10.61	8.81	6.90	4.53	3.78	2.08	0.66
7	22.14 *	15.91 *	13.22	10.96	9.00	7.02	4.61	3.84	2.10	0.66
5	23.26 *	16.51 *	13.58	11.23	9.14	7.11	4.67	3.88	2.11	0.67
3	24.10 *	16.85 *	13.79	11.40	9.23	7.16	4.70	3.90	2.12	0.67
1	12.21 *	8.48 *	6.93	5.73	4.63	3.59	2.36	1.95	1.06	0.33
0	12.17 *	8.46 *	6.92	5.72	4.62	3.59	2.35	1.95	1.06	0.33
-1	23.84 *	16.71 *	13.71	11.34	9.19	7.14	4.69	3.89	2.12	0.67
-3	22.77 *	16.24 *	13.42	11.13	9.07	7.06	4.64	3.86	2.10	0.66
-5	21.47 *	15.53 *	12.98	10.81	8.90	6.95	4.57	3.80	2.08	0.66
-7	20.01 *	14.61	12.44	10.42	8.68	6.80	4.47	3.74	2.06	0.65
-9	18.27 *	13.49	11.85	10.02	8.40	6.62	4.36	3.66	2.03	0.65
-11	16.50 *	12.42	11.20	9.60	8.08	6.41	4.22	3.56	1.99	0.64
-13	14.79	11.47	10.47	9.17	7.76	6.16	4.06	3.45	1.95	0.63
-15	13.15	10.49	9.71	8.72	7.44	5.90	3.88	3.32	1.90	0.62
-17	14.49	11.81	11.17	10.20	8.82	6.99	4.60	3.96	2.31	0.76
-19.5	14.91	12.51	12.14	11.22	9.80	7.79	5.17	4.48	2.65	0.89

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LUMENS TABULATION - (Cont.)

-22.5	12.68	10.93	10.82	10.16	8.88	7.07	4.75	4.17	2.50	0.86
-25.5	12.56	11.04	11.12	10.53	9.17	7.31	4.96	4.42	2.70	0.95
-29	11.96	10.68	10.85	10.23	8.92	7.19	4.92	4.48	2.83	1.03
-33	10.89	9.72	9.83	9.29	8.19	6.71	4.69	4.39	2.89	1.07
-37.5	9.17	8.19	8.29	7.93	7.10	5.92	4.24	4.09	2.82	1.08
-42.5	6.56	5.92	6.06	5.85	5.35	4.57	3.36	3.39	2.44	0.95
-47.5	6.45	5.88	6.09	6.00	5.66	5.01	3.86	4.09	3.01	1.20
-55	4.89	4.56	4.88	5.00	4.90	4.48	3.55	3.82	2.87	1.19
-65	2.45	2.37	2.64	2.77	2.74	2.55	2.02	2.20	1.73	0.78
-75	0.95	0.92	1.02	1.08	1.09	1.05	0.88	1.02	0.90	0.48
-85	0.15	0.15	0.17	0.18	0.19	0.20	0.18	0.23	0.24	0.15
-90										
Total	555.55	437.90	403.83	361.69	311.65	251.39	171.73	154.37	95.55	34.08

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	0.07	0.01	3.11
85	0.19	0.02	17.50
75	0.25	0.02	42.69
65	0.33	0.02	85.94
55	0.30	0.02	111.40
47.5	0.22	0.01	109.50
42.5	0.25	0.01	148.51
37.5	0.24	0.01	173.18
33	0.22	0.01	192.73
29	0.20	0.01	209.92
25.5	0.18	0.01	224.84
22.5	0.18	0.01	283.43
19.5	0.16	0.01	299.63
17	0.13	0.01	294.28

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LUMENS TABULATION - (Cont.)

15			
	0.13	0.01	353.93
13			
	0.13	0.01	425.02
11			
	0.13	0.01	501.02
9			
	0.13	0.01	575.74
7			
	0.13	0.01	644.37
5			
	0.13	0.01	696.51
3			
	0.13	0.01	726.43
1			
	0.07	0.00	368.51
0			
	0.07	0.00	367.09
-1			
	0.13	0.01	715.07
-3			
	0.13	0.01	674.45
-5			
	0.13	0.01	613.88
-7			
	0.13	0.01	539.69
-9			
	0.13	0.01	463.11
-11			
	0.13	0.01	389.03
-13			
	0.13	0.01	321.71
-15			
	0.13	0.01	266.60
-17			
	0.16	0.01	271.81
-19.5			
	0.18	0.01	258.63
-22.5			
	0.18	0.01	207.16
-25.5			
	0.20	0.01	195.15
-29			
	0.22	0.01	180.03
-33			
	0.24	0.01	161.59
-37.5			
	0.24	0.01	137.52
-42.5			
	0.22	0.01	100.35
-47.5			
	0.29	0.02	101.14
-55			
	0.32	0.02	78.07
-65			
	0.25	0.02	39.37

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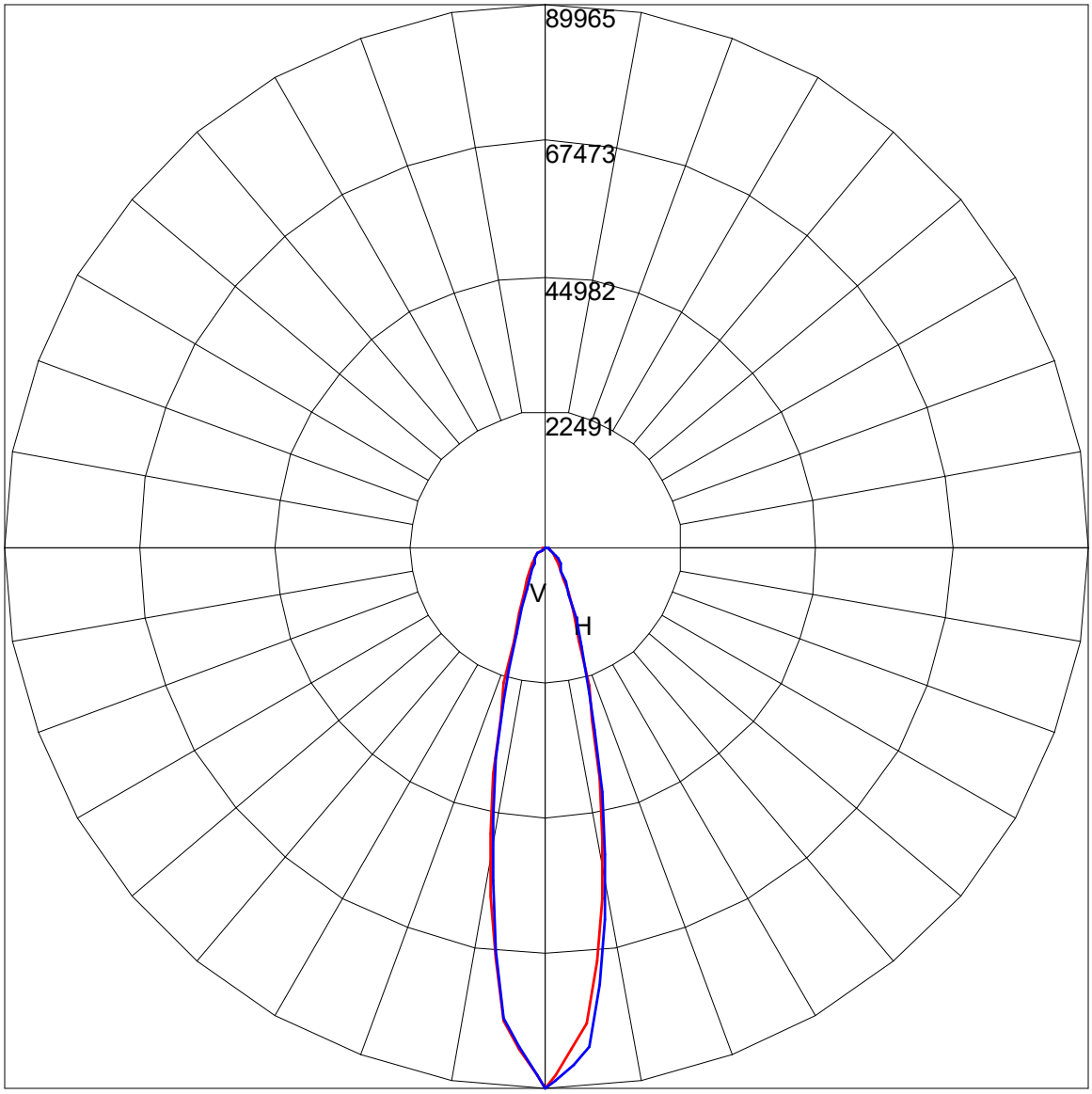
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LUMENS TABULATION - (Cont.)

-75			
	0.19	0.02	16.19
-85			
	0.07	0.01	2.99
-90			
Total	7.78	0.42	12588.8

IES FLOOD REPORT
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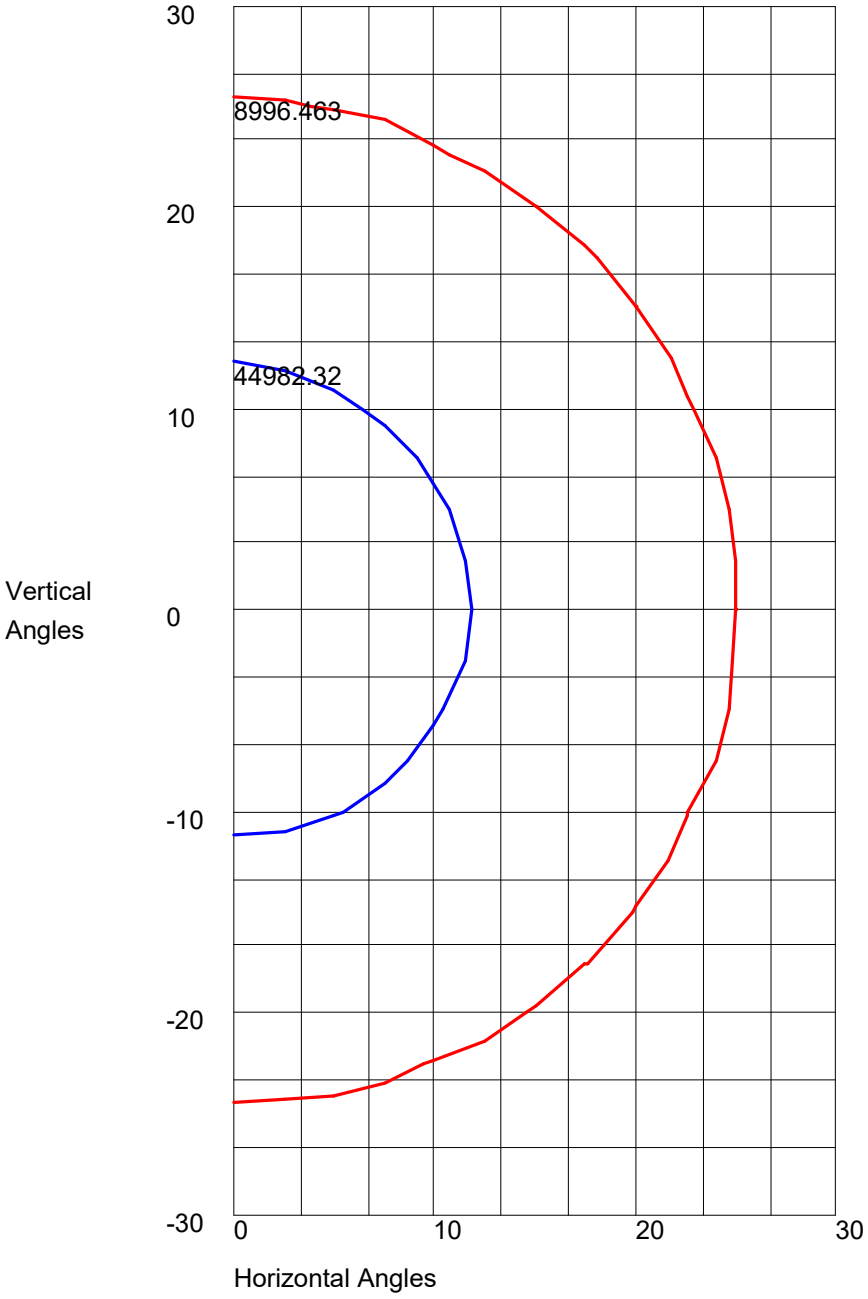
AXIAL CANDELA DISPLAY



Maximum Candela = 89964.632 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

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ISOCANDELA CURVES



Maximum Candela = 89964.632 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 44982.316
10% Maximum Candela = 8996.4632

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IES FLOOD REPORT
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DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194023
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-13
[ISSUEDATE] 2019-04-13
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-200W-LED-38NF
[LUMINAIRE] 200W LED FLOOD LIGHT - 38 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS



NEMA Type	4 H x 4 V
Maximum Candela	53002.963
Maximum Candela Angle	0H 0V
Horizontal Beam Angle (50%)	36.9
Vertical Beam Angle (50%)	36.2
Horizontal Field Angle (10%)	68.7
Vertical Field Angle (10%)	67.8
Lumens Per Lamp	27000 (1 lamp)
Total Lamp Lumens	27000
Beam Lumens	12152
Beam Efficiency	45 %
Field Lumens	22049
Field Efficiency	82 %
Spill Lumens	4044
Luminaire Lumens	26094
Total Efficiency	97 %
Total Luminaire Watts	200
Ballast Factor	1.00

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IES FLOOD REPORT
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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	111.628	75	76.154
65	343.588	65	233.216
55	877.019	55	640.14
47.5	1660.926	47.5	1125.767
42.5	2599.508	42.5	1705.356
37.5	4462.05	37.5	2860.594
33	7672.01	33	4835.988
29	12074.577	29	7858.101
25.5	17307.236	25.5	11962.388
22.5	22966.646	22.5	16824.593
19.5	28959.652	19.5	22191.392
17	34365.253	17	27645.999
15	38689.733	15	32009.685
13	42314.347	13	36413.008
11	45938.961	11	40816.331
9	48749.225	9	44547.33
7	50745.139	7	47606.003
5	52741.053	5	50664.676
3	52845.817	3	51599.991
1	52950.581	1	52535.306
0	53002.963	0	53002.963
-1	52028.767	-1	52518.565
-3	50080.374	-3	51549.769
-5	48131.982	-5	50580.973
-7	44654.253	-7	47781.509
-9	41176.524	-9	44982.046
-11	37321.862	-11	41644.182
-13	33090.265	-13	37767.919
-15	28858.669	-15	33891.655
-17	24955.944	-17	29822.064
-19.5	20077.538	-19.5	24735.076
-22.5	15365.054	-22.5	19456.921
-25.5	11127.841	-25.5	14573.547
-29	7624.974	-29	10215.234
-33	4889.071	-33	6687.175
-37.5	3056.203	-37.5	4122.648
-42.5	1975.123	-42.5	2565.73
-47.5	1311.844	-47.5	1766.352
-55	728.217	-55	976.869
-65	229.684	-65	254.746
-75	51.218	-75	44.711
-85	0	-85	0
-90	0	-90	0

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CANDELA TABULATION
Maximum Candela = 53002.963
Beam Edge = 26501.4815 Cd (50% of Max.)
Field Edge = 5300.2963 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	2.446	8.267	14.728	26.242	37.190	46.462	54.115
65.0	0.000	0.000	2.036	12.207	52.346	93.360	123.512	152.017	173.323	188.503
55.0	0.000	0.000	5.492	48.589	132.471	198.199	235.798	303.922	358.661	403.591
47.5	0.000	0.000	8.246	83.947	195.550	309.695	400.890	527.548	630.906	717.177
42.5	0.000	0.000	16.882	109.369	235.696	403.740	560.613	710.136	838.858	943.418
37.5	0.000	0.000	24.668	132.426	308.519	539.279	720.782	901.569	1102.124	1289.491
33.0	0.000	0.000	30.897	152.760	369.700	656.814	869.422	1122.886	1381.006	1726.252
29.0	0.000	0.000	35.780	169.781	422.262	762.634	999.581	1335.017	1749.171	2164.021
25.5	0.000	0.000	39.528	183.131	483.932	850.870	1152.866	1553.003	2063.796	2736.474
22.5	0.000	0.000	42.342	193.361	532.232	920.557	1275.758	1779.973	2402.308	3214.181
19.5	0.000	0.000	44.779	202.417	575.986	984.220	1389.698	1990.132	2805.100	3810.065
17.0	0.000	0.000	46.518	209.033	608.744	1040.849	1476.985	2150.818	3112.903	4515.492
15.0	0.000	0.000	47.718	213.697	632.393	1093.146	1565.516	2271.670	3337.867	5037.671
13.0	0.000	0.000	48.745	217.789	653.667	1140.553	1654.587	2446.443	3542.289	5514.154 *
11.0	0.000	0.000	49.600	221.295	672.477	1182.804	1733.910	2601.313	3848.180	5940.550 *
9.0	0.000	0.000	50.282	224.206	688.734	1219.635	1802.987	2735.258	4162.997	6312.423 *
7.0	0.000	0.000	50.791	226.511	702.357	1250.793	1861.340	2847.326	4425.014	6731.054 *
5.0	0.000	0.000	51.660	228.201	713.266	1276.038	1908.526	2936.670	4631.418	7141.613 *
3.0	0.000	0.000	51.483	229.983	724.664	1295.142	1944.143	3002.563	4779.748	7429.123 *
1.0	0.000	0.000	51.307	229.784	727.032	1307.901	1967.839	3044.422	4867.981	7591.239 *
0.0	0.000	0.000	51.218	229.684	728.217	1311.844	1975.123	3056.203	4889.071	7624.974 *
-1.0	0.000	0.000	51.297	230.010	730.373	1315.929	1980.176	3064.164	4900.716	7640.618 *
-3.0	0.000	0.000	51.455	230.660	734.681	1319.101	1980.988	3061.303	4876.877	7576.159 *
-5.0	0.000	0.000	51.612	229.304	729.679	1315.560	1969.384	3032.962	4789.755	7383.059 *
-7.0	0.000	0.000	50.724	228.021	724.940	1305.273	1945.397	2978.805	4639.385	7061.676 *
-9.0	0.000	0.000	50.196	226.089	717.098	1288.239	1909.130	2898.709	4426.431	6722.311 *
-11.0	0.000	0.000	49.495	223.507	706.128	1264.485	1860.749	2792.760	4152.153	6415.102 *
-13.0	0.000	0.000	48.622	220.277	692.017	1234.067	1800.482	2661.247	3879.403	6039.387 *
-15.0	0.000	0.000	47.576	216.402	674.761	1197.071	1728.610	2504.645	3704.945	5598.489 *
-17.0	0.000	0.000	46.359	211.885	654.369	1153.606	1654.975	2404.663	3501.966	5096.146
-19.5	0.000	0.000	44.597	205.346	624.498	1105.836	1582.066	2265.938	3209.976	4392.776
-22.5	0.000	0.000	42.135	196.207	582.310	1049.300	1479.896	2075.302	2807.643	3787.451
-25.5	0.000	0.000	39.297	185.686	533.346	982.536	1362.557	1860.283	2460.350	3282.148
-29.0	0.000	0.000	35.521	171.713	467.919	892.206	1207.779	1638.148	2141.154	2648.542
-33.0	0.000	0.000	30.609	153.583	409.553	777.230	1066.513	1408.104	1753.384	2183.865
-37.5	0.000	0.000	24.351	132.108	337.823	642.334	891.860	1155.780	1438.619	1702.232
-42.5	0.000	0.000	16.535	108.931	248.117	476.879	693.568	914.464	1118.604	1295.699
-47.5	0.000	0.000	7.873	83.370	202.728	351.872	486.462	672.763	836.333	982.625
-55.0	0.000	0.000	5.200	47.848	131.833	204.688	250.278	354.351	445.089	524.679
-65.0	0.000	0.000	1.920	11.440	50.693	89.198	117.226	143.208	166.133	184.737
-75.0	0.000	0.000	0.000	2.239	7.397	13.037	23.515	33.068	40.833	46.914
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	59.027	62.756	66.034	68.417	70.095	71.568	72.836	73.899	74.756	76.039
65.0	198.685	205.939	212.457	217.286	220.732	223.790	226.445	228.682	230.487	231.847
55.0	454.517	496.439	533.172	559.586	577.969	593.918	607.448	618.584	627.359	633.813
47.5	783.796	834.726	890.233	940.155	983.726	1021.067	1052.328	1077.699	1097.402	1111.698
42.5	1071.742	1169.049	1258.211	1322.372	1395.605	1471.508	1537.702	1593.639	1638.799	1672.694
37.5	1482.911	1685.786	1868.032	2011.885	2119.756	2285.396	2433.326	2561.948	2669.671	2754.950
33.0	2020.680	2340.551	2711.629	2992.683	3214.293	3419.205	3730.576	4055.114	4329.360	4549.185
29.0	2715.270	3172.842	3747.799	4424.265	4927.750	5419.088	*5866.974	*6265.839	*6739.191	*7225.846 *
25.5	3364.861	4308.132	5301.947	*6058.164	*6960.161	*7974.837	*8932.093	*9784.436	*10518.300	*11119.981 *
22.5	4327.580	5488.547	*6854.590	*8459.395	*9656.230	*10762.374	*11876.745	*13276.054	*14481.201	*15467.386 *
19.5	5340.451	*6864.975	*9105.174	*10873.290	*12511.102	*14353.461	*16034.286	*17648.084	*19065.582	*20247.558 *
17.0	6112.335	*8433.102	*10825.706	*13330.998	*15490.842	*17522.563	*19398.417	*21524.759	*23548.121	*25237.588 *
15.0	7004.723	*9570.293	*12383.434	*15399.625	*17709.745	*20019.964	*22646.732	*25035.791	*27259.568	*29180.973 *
13.0	7963.395	*10609.541	*14103.467	*17287.821	*19864.714	*22899.797	*25765.966	*28411.931	*30833.703	*33087.833 *
11.0	8810.971	*11595.483	*15646.269	*18965.675	*22250.673	*25506.006	*28622.894	*31643.891	*34411.024	*36906.904 *
9.0	9538.283	*12804.202	*17005.650	*20821.988	*24309.934	*27776.352	*31258.980	*34659.172	*37777.521	*40514.243 *
7.0	10136.833	*13795.060	*18122.645	*22446.026	*26099.090	*29730.991	*33546.517	*37269.399	*40722.514	*43229.024 *
5.0	10599.284	*14553.047	*18975.057	*23693.169	*27483.176	*31417.948	*35427.332	*39352.709	*42594.774	*45500.610 *
3.0	10919.945	*15066.625	*19672.517	*24527.627	*28407.186	*32550.906	*36728.329	*40669.908	*43989.774	*47212.003 *
1.0	11095.210	*15328.872	*20038.905	*24924.815	*28899.253	*33070.312	*37313.623	*41194.352	*44669.885	*48314.747 *
0.0	11127.841	*15365.054	*20077.538	*24955.944	*28858.669	*33090.265	*37321.862	*41176.524	*44654.253	*48131.982 *
-1.0	11159.647	*15400.519	*20114.534	*24989.870	*28952.583	*33100.110	*37310.336	*41162.387	*44620.381	*48233.518 *
-3.0	11111.613	*15281.230	*19902.410	*24727.123	*28574.204	*32653.340	*36738.731	*40581.039	*43855.038	*47009.970 *
-5.0	10913.368	*14909.629	*19364.751	*24039.463	*27780.491	*31628.931	*35505.478	*39251.525	*42467.526	*45366.444 *
-7.0	10565.653	*14292.079	*18664.608	*22957.797	*26551.662	*30101.479	*33785.799	*37382.121	*40706.490	*43216.407 *
-9.0	10071.763	*13439.677	*17696.735	*21522.016	*24948.392	*28364.985	*31771.377	*35061.321	*38066.605	*40701.019 *
-11.0	9437.192	*12367.122	*16482.957	*19868.977	*23118.598	*26335.889	*29425.617	*32385.629	*35072.878	*37535.344 *
-13.0	8669.171	*11477.925	*15081.436	*18340.897	*20972.677	*23981.674	*26833.969	*29482.278	*31913.514	*34179.107 *
-15.0	7776.142	*10513.949	*13496.707	*16594.438	*18982.213	*21362.837	*23988.363	*26392.915	*28668.248	*30678.154 *
-17.0	6929.120	*9436.234	*12031.818	*14660.072	*16900.469	*19024.530	*21005.967	*23177.060	*25262.272	*27042.916 *
-19.5	6166.557	*7922.153	*10364.348	*12319.407	*14081.227	*16016.482	*17801.349	*19531.055	*21084.677	*22421.148 *
-22.5	5119.655	6525.236	*8145.451	*9928.347	*11277.292	*12543.851	*13808.043	*15307.533	*16627.728	*17741.961 *
-25.5	4088.510	5251.209	6504.649	*7498.492	*8560.297	*9711.857	*10801.443	*11790.304	*12662.975	*13403.391 *
-29.0	3360.923	3980.837	4752.975	5634.796	*6306.638	*6959.802	*7566.752	*8120.031	*8724.406	*9323.312 *
-33.0	2561.687	2992.046	3515.801	3931.391	4262.736	4578.834	5014.370	5463.632	*5855.106	*6182.900 *
-37.5	1967.228	2237.562	2490.576	2694.999	2852.961	3102.289	3332.365	3540.317	3723.177	3877.943
-42.5	1485.007	1635.231	1777.146	1887.325	1999.545	2114.384	2218.672	2311.539	2392.127	2459.594
-47.5	1105.060	1203.667	1300.361	1383.079	1452.443	1515.794	1572.896	1623.527	1667.484	1704.583
-55.0	611.569	682.888	747.298	795.339	829.979	861.175	888.869	913.011	933.562	950.491
-65.0	198.083	208.336	218.003	225.490	231.035	236.130	240.724	244.764	248.200	250.981
-75.0	48.705	49.786	50.447	50.677	50.652	50.443	50.051	49.478	48.725	48.325
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	76.085	76.131	76.154	76.975	78.617	80.259	80.573	81.301	81.767	81.958
65.0	233.290	233.241	233.216	233.994	235.550	235.564	235.624	235.171	234.200	232.707

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CANDELA TABULATION - (Cont.)

55.0	640.417	640.232	640.140	642.019	645.774	642.845	640.135	635.237	628.143	618.857
47.5	1120.878	1125.264	1125.767	1130.514	1136.449	1137.055	1131.660	1119.636	1100.404	1073.439
42.5	1694.878	1704.960	1705.356	1717.340	1731.593	1732.480	1719.575	1692.546	1651.153	1595.253
37.5	2816.312	2852.405	2860.594	2884.231	2910.198	2906.166	2870.470	2801.758	2699.005	2561.530
33.0	4710.691	4810.338	4835.988	4887.610	4937.752	4911.943	4804.877	4612.371	4331.462	4037.925
29.0	7583.006	*7802.340	*7858.101	*7953.125	*8027.079	*7938.763	*7681.486	*7393.052	*7132.780	*6763.740 *
25.5	11576.263	*11875.169	*11962.388	*12119.265	*12296.693	*12281.933	*12066.149	*11644.964	*11018.325	*10190.031 *
22.5	16210.681	*16689.713	*16824.593	*17029.791	*17215.402	*17091.502	*16653.349	*15904.012	*14853.399	*13898.359 *
19.5	21292.178	*21995.637	*22191.392	*22455.712	*22653.232	*22451.030	*22001.786	*21186.373	*20015.394	*18396.352 *
17.0	26537.388	*27395.744	*27645.999	*27970.968	*28234.829	*27976.734	*27207.291	*25955.589	*24192.418	*22392.300 *
15.0	30685.811	*31773.551	*32009.685	*32469.103	*32729.908	*32460.951	*31608.533	*30146.771	*28043.782	*25598.469 *
13.0	34857.185	*36052.870	*36413.008	*36815.453	*37127.925	*36820.133	*35962.122	*34168.330	*31817.931	*29123.169 *
11.0	38967.691	*40384.771	*40816.331	*41238.480	*41499.340	*41038.338	*39810.974	*37847.152	*35407.510	*32435.570 *
9.0	42658.415	*44079.708	*44547.330	*45003.808	*45461.727	*45191.263	*43407.123	*41129.627	*38528.602	*35478.516 *
7.0	45412.323	*47076.904	*47606.003	*48025.313	*48302.868	*47783.268	*46647.317	*44105.568	*41194.256	*38054.787 *
5.0	47981.232	*50181.532	*50664.676	*51159.033	*50983.865	*49895.583	*48485.672	*46632.695	*43310.315	*39905.896 *
3.0	49607.461	*51026.528	*51599.991	*52033.357	*52387.467	*51659.657	*49837.340	*47935.405	*44833.441	*41271.765 *
1.0	50111.134	*51871.151	*52535.306	*52797.557	*52774.421	*52680.131	*50583.238	*48587.932	*45734.037	*42104.624 *
0.0	50080.374	*52028.767	*53002.963	*52950.581	*52845.817	*52741.053	*50745.139	*48749.225	*45938.961	*42314.347 *
-1.0	50027.263	*51808.530	*52518.565	*52685.676	*52614.019	*52524.781	*50472.441	*48502.260	*45681.775	*42088.659 *
-3.0	49419.644	*50917.949	*51549.769	*51865.984	*52051.857	*51249.271	*49521.609	*47686.556	*44697.226	*41236.999 *
-5.0	47810.587	*50043.806	*50580.973	*50964.227	*50631.503	*49535.358	*48103.563	*46267.796	*43145.000	*39888.487 *
-7.0	45433.682	*47188.666	*47781.509	*48075.941	*48134.713	*47496.951	*46334.823	*43917.265	*41115.574	*38106.008 *
-9.0	42899.972	*44439.125	*44982.046	*45300.463	*45511.289	*45057.376	*43377.562	*41211.824	*38708.000	*35748.762 *
-11.0	39623.398	*41134.422	*41644.182	*41930.835	*41986.794	*41397.225	*40146.016	*38259.060	*35894.799	*33002.576 *
-13.0	36006.621	*37321.266	*37767.919	*38035.370	*38134.145	*37679.548	*36730.035	*34949.128	*32646.488	*30012.454 *
-15.0	32307.911	*33554.470	*33891.655	*34208.004	*34233.749	*33783.266	*32815.062	*31313.962	*29236.162	*26831.943 *
-17.0	28465.810	*29480.780	*29822.064	*30032.145	*30096.714	*29687.243	*28820.135	*27526.735	*25750.697	*23869.814 *
-19.5	23599.724	*24453.330	*24735.076	*24906.893	*24944.824	*24608.395	*24015.227	*23089.289	*21843.405	*20141.137 *
-22.5	18623.631	*19247.981	*19456.921	*19594.370	*19649.097	*19406.565	*18868.491	*18043.081	*16943.893	*15876.861 *
-25.5	13995.576	*14424.509	*14573.547	*14683.640	*14761.827	*14644.036	*14325.734	*13806.370	*13089.089	*12180.204 *
-29.0	9789.012	*10111.021	*10215.234	*10281.364	*10292.273	*10136.563	*9810.627	*9436.187	*9066.581	*8585.224 *
-33.0	6441.297	*6624.930	*6687.175	*6723.647	*6732.837	*6653.589	*6482.686	*6218.013	*5858.582	*5481.532 *
-37.5	4001.632	4091.366	4122.648	4139.416	4143.643	4107.560	4029.991	3910.124	3747.509	3542.063
-42.5	2513.138	2552.011	2565.730	2574.176	2579.101	2567.767	2539.896	2495.317	2433.955	2355.838
-47.5	1734.665	1757.599	1766.352	1769.519	1770.118	1762.651	1746.652	1721.705	1687.444	1643.558
-55.0	967.888	973.874	976.869	978.156	980.727	972.060	963.972	952.474	937.654	919.607
-65.0	253.959	254.484	254.746	256.673	260.525	261.809	263.200	263.779	263.553	262.531
-75.0	46.880	45.434	44.711	45.950	48.427	50.903	52.296	54.037	55.574	56.900
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	81.863	81.470	80.544	78.767	76.237	72.294	65.069	55.576	43.448	29.707
65.0	230.689	228.145	224.223	218.431	211.461	202.305	190.268	174.195	154.380	131.156
55.0	607.386	593.744	573.672	545.227	512.317	471.257	422.524	359.350	278.633	242.420
47.5	1038.275	994.509	946.253	894.429	845.349	777.697	691.380	603.710	494.582	383.507
42.5	1524.794	1453.655	1392.845	1299.617	1189.856	1037.621	925.974	785.085	644.870	508.451
37.5	2388.984	2291.958	2151.927	1952.127	1716.885	1487.115	1258.028	1012.228	807.089	636.912
33.0	3860.161	3640.512	3308.267	2830.464	2422.220	2068.445	1633.997	1304.191	987.717	749.161
29.0	6286.301	*5692.640	*4816.619	4064.806	3449.494	2667.525	2142.317	1599.279	1154.175	875.164
25.5	9142.328	*8094.596	*7133.111	*5791.642	*4464.178	3569.369	2590.000	1909.022	1371.600	989.720

CANDELA TABULATION - (Cont.)

22.5	12713.5721	1351.5799	423.896	7635.459	5984.657	4349.332	3122.114	2233.630	1546.363	1082.484
19.5	16516.4051	4722.7101	2599.6709	755.619	7634.050	5341.258	3792.598	2538.504	1708.919	1169.440
17.0	20316.9851	8003.8841	5142.1331	2076.3438	942.766	6517.203	4325.581	2775.100	1833.947	1249.797
15.0	23252.3702	10759.0391	7365.3651	3832.0111	0334.9977	404.449	4730.339	2957.179	1963.520	1325.753
13.0	26151.7632	3376.7061	9749.8601	5474.2831	1803.5498	231.360	5112.198	3264.337	2095.711	1395.088
11.0	29205.4602	5825.4282	1937.0331	7008.6881	3133.0318	989.910	5656.739	3544.297	2214.857	1457.447
9.0	31978.3522	8266.8962	3874.9231	8707.7301	4308.3549	671.514	6218.365	3794.060	2320.091	1512.482
7.0	34305.8483	0378.9992	5550.1452	0160.4211	5314.3731	0398.4626	6700.309	4010.537	2410.562	1559.855
5.0	36197.4343	2090.6422	6927.4532	1341.6031	6136.5651	1098.8577	7096.253	4190.631	2485.445	1599.247
3.0	37599.3543	3359.1382	8036.9132	2228.3591	6761.7921	1625.5997	7400.218	4331.291	2543.961	1630.361
1.0	38536.4533	4152.4922	8758.1552	2801.7971	7179.1381	1971.3337	7606.767	4429.614	2585.397	1652.925
0.0	38689.7333	4365.2532	8959.6522	2966.6461	7307.2361	2074.5777	7672.010	4462.050	2599.508	1660.926
-1.0	38546.5153	4186.5812	8814.4442	2866.6751	7247.0981	2035.8817	7657.521	4461.045	2602.269	1663.495
-3.0	37641.4273	3468.8802	8210.9162	2424.4621	6965.7461	1819.3087	7551.508	4424.520	2594.274	1661.925
-5.0	36300.5753	2297.3462	7231.3632	1673.2071	6476.7281	1421.9167	7345.200	4342.493	2568.297	1651.372
-7.0	34513.5133	0714.8702	5989.4062	0634.2601	5791.0901	0851.1737	7042.239	4215.859	2524.471	1631.825
-9.0	32346.2242	8771.1822	4461.6361	9332.4891	4922.0771	0245.6306	6646.980	4045.811	2463.029	1603.313
-11.0	29857.0302	6554.8992	2684.7881	7794.4221	3884.2959	667.673	6164.334	3833.779	2384.289	1565.905
-13.0	27110.0862	4326.0972	0689.1041	6406.9021	2692.9419	000.101	5685.091	3581.408	2288.653	1519.703
-15.0	24452.3882	1923.3291	8507.5361	4908.2761	1363.1318	250.486	5343.495	3290.503	2176.590	1464.846
-17.0	21733.9211	9378.0111	6450.7321	3280.8321	0073.3187	426.261	4961.559	3134.042	2064.328	1401.506
-19.5	18195.6271	6308.4061	4050.9671	1095.0598	792.995	6295.317	4431.614	2922.228	1959.265	1333.131
-22.5	14545.5881	3057.8941	1002.2409	000.866	7134.405	5255.294	3723.174	2634.658	1814.197	1254.797
-25.5	11033.6799	849.192	8668.643	7092.174	5548.570	4376.747	3142.826	2313.582	1649.582	1164.646
-29.0	7994.533	7256.737	6192.109	5210.921	4364.818	3333.262	2671.646	1995.186	1434.584	1045.275
-33.0	5212.819	4894.998	4397.690	3712.311	3150.757	2683.007	2124.203	1680.790	1250.198	906.305
-37.5	3294.043	3163.147	2978.910	2688.975	2363.805	2033.645	1700.389	1346.263	1028.614	777.569
-42.5	2261.087	2163.423	2066.474	1915.680	1730.707	1494.420	1286.907	1045.560	822.985	618.847
-47.5	1589.795	1525.959	1450.400	1361.087	1252.638	1112.033	951.373	801.013	626.287	456.139
-55.0	898.435	874.246	839.941	793.110	739.863	660.560	564.608	451.386	320.824	263.983
-65.0	260.722	258.138	253.838	247.146	238.835	225.187	203.183	177.015	150.326	121.739
-75.0	58.009	58.894	59.676	60.126	60.026	59.198	54.349	47.390	37.901	26.532
-85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
75.0	20.437	7.623	0.000	0.000	0.000
65.0	91.651	34.487	7.982	0.000	0.000
55.0	180.176	93.419	22.182	0.000	0.000
47.5	252.211	136.616	32.618	0.000	0.000
42.5	301.792	164.132	47.354	0.000	0.000
37.5	399.709	189.455	60.815	0.000	0.000
33.0	482.025	215.548	71.747	0.000	0.000
29.0	550.494	239.521	80.461	0.000	0.000
25.5	611.273	259.050	87.271	0.000	0.000
22.5	659.644	274.583	92.479	0.000	0.000
19.5	704.220	288.884	97.090	0.000	0.000
17.0	738.215	299.777	100.464	0.000	0.000
15.0	763.199	307.770	102.851	0.000	0.000
13.0	786.100	315.084	104.958	0.000	0.000
11.0	806.811	321.681	106.781	0.000	0.000
9.0	825.227	327.527	108.317	0.000	0.000

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CANDELA TABULATION - (Cont.)

7.0	841.244	332.585	109.564	0.000	0.000
5.0	854.763	336.821	111.438	0.000	0.000
3.0	868.806	341.238	111.514	0.000	0.000
1.0	874.279	342.804	111.590	0.000	0.000
0.0	877.019	343.588	111.628	0.000	0.000
-1.0	878.606	343.345	111.487	0.000	0.000
-3.0	881.775	342.858	111.204	0.000	0.000
-5.0	876.065	339.459	110.922	0.000	0.000
-7.0	870.623	336.192	108.854	0.000	0.000
-9.0	862.246	332.017	107.416	0.000	0.000
-11.0	850.916	326.945	105.698	0.000	0.000
-13.0	836.629	320.990	103.704	0.000	0.000
-15.0	819.388	314.166	101.438	0.000	0.000
-17.0	799.209	306.492	98.905	0.000	0.000
-19.5	769.889	295.727	95.371	0.000	0.000
-22.5	728.791	281.141	90.605	0.000	0.000
-25.5	681.390	264.801	85.285	0.000	0.000
-29.0	618.386	243.617	78.405	0.000	0.000
-33.0	543.896	216.759	69.697	0.000	0.000
-37.5	449.427	187.394	58.886	0.000	0.000
-42.5	331.346	160.459	45.709	0.000	0.000
-47.5	268.644	130.976	31.413	0.000	0.000
-55.0	175.659	86.498	21.273	0.000	0.000
-65.0	81.222	31.735	7.619	0.000	0.000
-75.0	18.259	6.978	0.000	0.000	0.000
-85.0	0.000	0.000	0.000	0.000	0.000
-90.0	0.000	0.000	0.000	0.000	0.000

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 13046.87
Total Field Lumens (one side of beam only) = 11024.67
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.12	0.23	0.24	0.24	0.23	0.23	0.23	0.23	0.22	0.27
75	0.47	0.95	0.95	0.94	0.94	0.93	0.91	0.90	0.88	1.07
65	1.33	2.67	2.66	2.63	2.60	2.56	2.51	2.44	2.37	2.84
55	2.02	4.04	4.03	3.99	3.93	3.85	3.74	3.61	3.46	4.09
47.5	2.16	4.32	4.31	4.26	4.17	4.06	3.91	3.73	3.53	4.16
42.5	3.48	6.97	6.92	6.80	6.62	6.36	6.05	5.67	5.31	6.22
37.5	5.28	10.55	10.43	10.15	9.74	9.19	8.55	7.94	7.42	8.53
33	7.74 *	15.44 *	15.16 *	14.60 *	13.84 *	13.02 *	12.13 *	11.21	10.26	11.33
29	10.58 *	21.10 *	20.75 *	20.03 *	19.03 *	17.86 *	16.50 *	14.91 *	13.22 *	14.32 *
25.5	13.17 *	26.26 *	25.81 *	24.92 *	23.60 *	21.89 *	20.00 *	18.02 *	15.91 *	17.00 *
22.5	17.84 *	35.51 *	34.78 *	33.50 *	31.72 *	29.43 *	26.86 *	24.12 *	21.26 *	22.61 *
19.5	18.99 *	37.77 *	36.96 *	35.54 *	33.58 *	31.11 *	28.36 *	25.40 *	22.28 *	23.64 *
17	18.19 *	36.19 *	35.41 *	34.00 *	32.02 *	29.54 *	26.79 *	23.98 *	21.12 *	22.28 *
15	20.86 *	41.48 *	40.56 *	38.96 *	36.71 *	33.90 *	30.68 *	27.28 *	23.98 *	25.39 *
13	23.53 *	46.72 *	45.63 *	43.75 *	41.19 *	38.05 *	34.50 *	30.65 *	26.78 *	28.37 *
11	26.00 *	51.64 *	50.48 *	48.33 *	45.35 *	41.86 *	37.99 *	33.83 *	29.52 *	31.16 *
9	28.06 *	55.71 *	54.47 *	52.30 *	49.12 *	45.25 *	41.05 *	36.61 *	32.00 *	33.71 *
7	29.93 *	59.23 *	57.59 *	55.26 *	52.15 *	48.12 *	43.59 *	38.89 *	34.07 *	35.83 *
5	31.14 *	61.70 *	60.05 *	57.43 *	54.22 *	50.23 *	45.50 *	40.61 *	35.63 *	37.48 *
3	31.68 *	62.80 *	61.49 *	58.91 *	55.42 *	51.45 *	46.72 *	41.74 *	36.66 *	38.59 *
1	16.02 *	31.62 *	30.97 *	29.73 *	27.93 *	25.95 *	23.60 *	21.10 *	18.55 *	19.55 *
0	16.01 *	31.59 *	30.93 *	29.70 *	27.91 *	25.94 *	23.60 *	21.11 *	18.56 *	19.57 *
-1	31.63 *	62.62 *	61.25 *	58.69 *	55.26 *	51.35 *	46.70 *	41.79 *	36.76 *	38.77 *

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LUMENS TABULATION - (Cont.)

-3	31.07 *	61.45 *	59.72 *	57.12 *	53.95 *	50.08 *	45.51 *	40.74 *	35.84 *	37.83 *
-5	29.93 *	59.10 *	57.37 *	55.02 *	51.95 *	48.05 *	43.69 *	39.14 *	34.43 *	36.39 *
-7	28.22 *	55.86 *	54.46 *	52.25 *	49.18 *	45.44 *	41.37 *	37.04 *	32.55 *	34.49 *
-9	26.35 *	52.18 *	50.85 *	48.67 *	45.79 *	42.40 *	38.62 *	34.54 *	30.30 *	32.19 *
-11	24.16 *	47.82 *	46.57 *	44.63 *	42.07 *	38.98 *	35.48 *	31.68 *	27.84 *	29.66 *
-13	21.81 *	43.20 *	42.08 *	40.36 *	38.05 *	35.22 *	32.01 *	28.63 *	25.28 *	26.93 *
-15	19.40 *	38.41 *	37.42 *	35.86 *	33.78 *	31.26 *	28.46 *	25.59 *	22.64 *	24.05 *
-17	20.75 *	41.09 *	40.05 *	38.42 *	36.29 *	33.70 *	30.81 *	27.70 *	24.44 *	26.12 *
-19.5	20.17 *	39.96 *	38.97 *	37.44 *	35.42 *	32.93 *	30.16 *	27.19 *	24.09 *	25.81 *
-22.5	15.54 *	30.82 *	30.13 *	29.01 *	27.47 *	25.56 *	23.45 *	21.22 *	18.83 *	20.25 *
-25.5	13.20 *	26.19 *	25.62 *	24.66 *	23.40 *	21.96 *	20.32 *	18.45 *	16.43 *	17.83 *
-29	10.29 *	20.39 *	19.92 *	19.14 *	18.13 *	17.02 *	15.82 *	14.60 *	13.32 *	14.67 *
-33	7.40 *	14.69 *	14.41 *	13.94 *	13.31	12.52	11.62	10.75	9.98	11.42
-37.5	5.09	10.12	9.97	9.73	9.40	9.00	8.51	7.95	7.44	8.69
-42.5	3.30	6.56	6.49	6.38	6.22	6.02	5.79	5.52	5.22	6.13
-47.5	3.13	6.24	6.18	6.08	5.95	5.79	5.60	5.38	5.13	6.05
-55	1.88	3.75	3.72	3.67	3.61	3.53	3.43	3.32	3.20	3.81
-65	0.46	0.92	0.93	0.93	0.92	0.92	0.91	0.89	0.87	1.06
-75	0.07	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.20
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90										
Total	638.44	1266.02	1236.82	1188.12	1122.34	1042.63	952.20	856.28	757.74	810.32

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.31	0.29	0.31	0.31	0.29	0.24	0.15	0.13	0.07	0.01
75	1.23	1.16	1.26	1.30	1.25	1.12	0.83	0.79	0.44	0.09
65	3.21	2.97	3.13	3.15	2.99	2.60	1.96	2.00	1.23	0.29
55	4.57	4.20	4.41	4.38	4.09	3.50	2.57	2.54	1.60	0.42

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LUMENS TABULATION - (Cont.)

47.5	4.63	4.22	4.36	4.28	4.00	3.45	2.49	2.31	1.41	0.39
42.5	6.81	6.04	6.05	5.80	5.27	4.48	3.24	2.98	1.75	0.48
37.5	9.04	7.72	7.58	7.02	6.12	5.07	3.61	3.33	1.93	0.51
33	11.51	9.61	9.11	8.11	6.86	5.47	3.80	3.48	1.98	0.52
29	14.31 *	11.44	10.42	8.99	7.32	5.65	3.84	3.47	1.94	0.50
25.5	16.61 *	12.95 *	11.38	9.42	7.41	5.61	3.71	3.29	1.82	0.46
22.5	21.67 *	16.60 *	14.22 *	11.29	8.67	6.33	4.07	3.55	1.96	0.48
19.5	22.61 *	17.00 *	14.28 *	11.17	8.22	5.78	3.65	3.16	1.72	0.42
17	21.25 *	15.92 *	13.24 *	10.18 *	7.18	4.96	3.11	2.66	1.43	0.35
15	24.12 *	18.07 *	15.00 *	11.20 *	7.74	5.31	3.29	2.78	1.48	0.35
13	26.90 *	20.12 *	16.68 *	12.23 *	8.40	5.70	3.47	2.89	1.52	0.36
11	29.55 *	22.10 *	18.17 *	13.26 *	9.11	6.05	3.62	2.99	1.55	0.37
9	31.99 *	23.95 *	19.53 *	14.26 *	9.76	6.35	3.75	3.07	1.59	0.37
7	34.00 *	25.47 *	20.74 *	15.20 *	10.31 *	6.60	3.86	3.14	1.61	0.38
5	35.57 *	26.63 *	21.73 *	15.98 *	10.74 *	6.81	3.95	3.20	1.63	0.38
3	36.67 *	27.42 *	22.41 *	16.52 *	11.04 *	6.95	4.02	3.24	1.65	0.38
1	18.59 *	13.90 *	11.37 *	8.39 *	5.60 *	3.52	2.03	1.63	0.83	0.19
0	18.61 *	13.92 *	11.40 *	8.42 *	5.62 *	3.53	2.03	1.64	0.83	0.19
-1	36.90 *	27.64 *	22.64 *	16.72 *	11.19 *	7.05	4.07	3.28	1.66	0.38
-3	36.04 *	27.08 *	22.19 *	16.38 *	11.03 *	6.99	4.05	3.28	1.66	0.38
-5	34.71 *	26.14 *	21.43 *	15.80 *	10.74 *	6.88	4.01	3.25	1.65	0.38
-7	32.95 *	24.84 *	20.43 *	15.05 *	10.32 *	6.70	3.95	3.22	1.63	0.37
-9	30.77 *	23.22 *	19.28 *	14.21 *	9.78	6.47	3.86	3.16	1.61	0.37
-11	28.36 *	21.44 *	17.96 *	13.31 *	9.16	6.18	3.75	3.10	1.59	0.36
-13	25.82 *	19.58 *	16.44 *	12.40 *	8.58	5.84	3.61	3.01	1.56	0.36
-15	23.17 *	17.59 *	14.81 *	11.46 *	8.07	5.53	3.46	2.92	1.52	0.35
-17	25.23 *	19.22 *	16.34 *	12.83 *	9.38	6.56	4.12	3.50	1.84	0.42
-19.5	24.99 *	19.33 *	16.68 *	13.28	10.10	7.32	4.67	3.99	2.10	0.49

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LUMENS TABULATION - (Cont.)

-22.5	19.89 *	15.58 *	13.72 *	11.29	8.82	6.64	4.34	3.74	1.97	0.46
-25.5	17.78 *	14.21 *	12.85	10.99	8.92	6.87	4.59	3.99	2.11	0.50
-29	14.82	12.24	11.51	10.20	8.62	6.81	4.62	4.04	2.15	0.52
-33	12.00	10.18	9.94	9.17	7.94	6.45	4.45	3.89	2.08	0.51
-37.5	9.49	8.36	8.34	7.88	7.00	5.76	4.01	3.47	1.86	0.48
-42.5	6.78	6.10	6.19	5.92	5.33	4.42	3.05	2.64	1.46	0.38
-47.5	6.70	6.06	6.21	5.95	5.33	4.33	2.99	2.75	1.61	0.40
-55	4.26	3.88	4.01	3.88	3.50	2.86	2.04	2.00	1.17	0.28
-65	1.22	1.16	1.26	1.28	1.21	1.06	0.78	0.73	0.40	0.08
-75	0.23	0.23	0.25	0.26	0.25	0.21	0.14	0.12	0.07	0.01
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90										
Total	785.87	605.76	519.24	409.12	303.25	216.00	137.62	118.37	63.67	15.40

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	0.00	0.00	0.00
85	0.00	0.00	4.34
75	0.01	0.00	18.38
65	0.02	0.00	48.16
55	0.03	0.00	69.06
47.5	0.03	0.00	70.19
42.5	0.05	0.00	103.35
37.5	0.06	0.00	139.77
33	0.06	0.00	185.22
29	0.06	0.00	236.24
25.5	0.05	0.00	279.28
22.5	0.05	0.00	366.53
19.5	0.05	0.00	381.70
17	0.04	0.00	359.83

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LUMENS TABULATION - (Cont.)

15			
	0.04	0.00	409.19
13			
	0.04	0.00	457.46
11			
	0.04	0.00	502.98
9			
	0.04	0.00	542.96
7			
	0.04	0.00	576.03
5			
	0.04	0.00	600.65
3			
	0.04	0.00	615.81
1			
	0.02	0.00	311.07
0			
	0.02	0.00	311.12
-1			
	0.04	0.00	616.40
-3			
	0.04	0.00	602.45
-5			
	0.04	0.00	580.10
-7			
	0.04	0.00	550.36
-9			
	0.04	0.00	514.68
-11			
	0.04	0.00	474.14
-13			
	0.04	0.00	430.81
-15			
	0.04	0.00	385.77
-17			
	0.05	0.00	418.87
-19.5			
	0.05	0.00	415.15
-22.5			
	0.05	0.00	328.78
-25.5			
	0.06	0.00	290.95
-29			
	0.06	0.00	238.91
-33			
	0.05	0.00	186.70
-37.5			
	0.05	0.00	142.57
-42.5			
	0.03	0.00	99.94
-47.5			
	0.03	0.00	97.90
-55			
	0.02	0.00	61.83
-65			
	0.01	0.00	18.00

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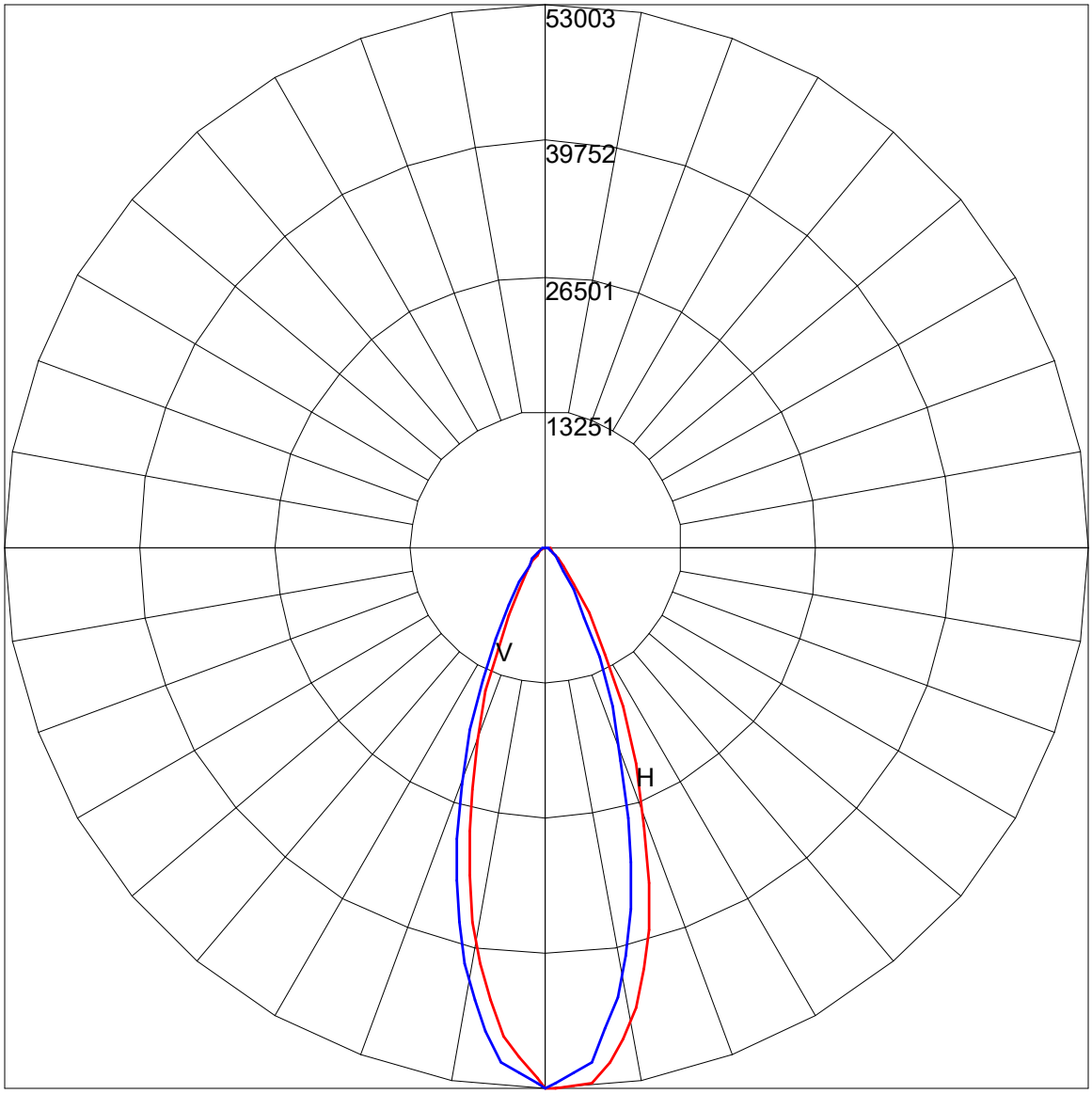
IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-38NF.IES

LUMENS TABULATION - (Cont.)

-75			
	0.00	0.00	3.26
-85			
	0.00	0.00	0.00
-90			
Total	1.64	0.00	13046.86

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-38NF.IES

AXIAL CANDELA DISPLAY

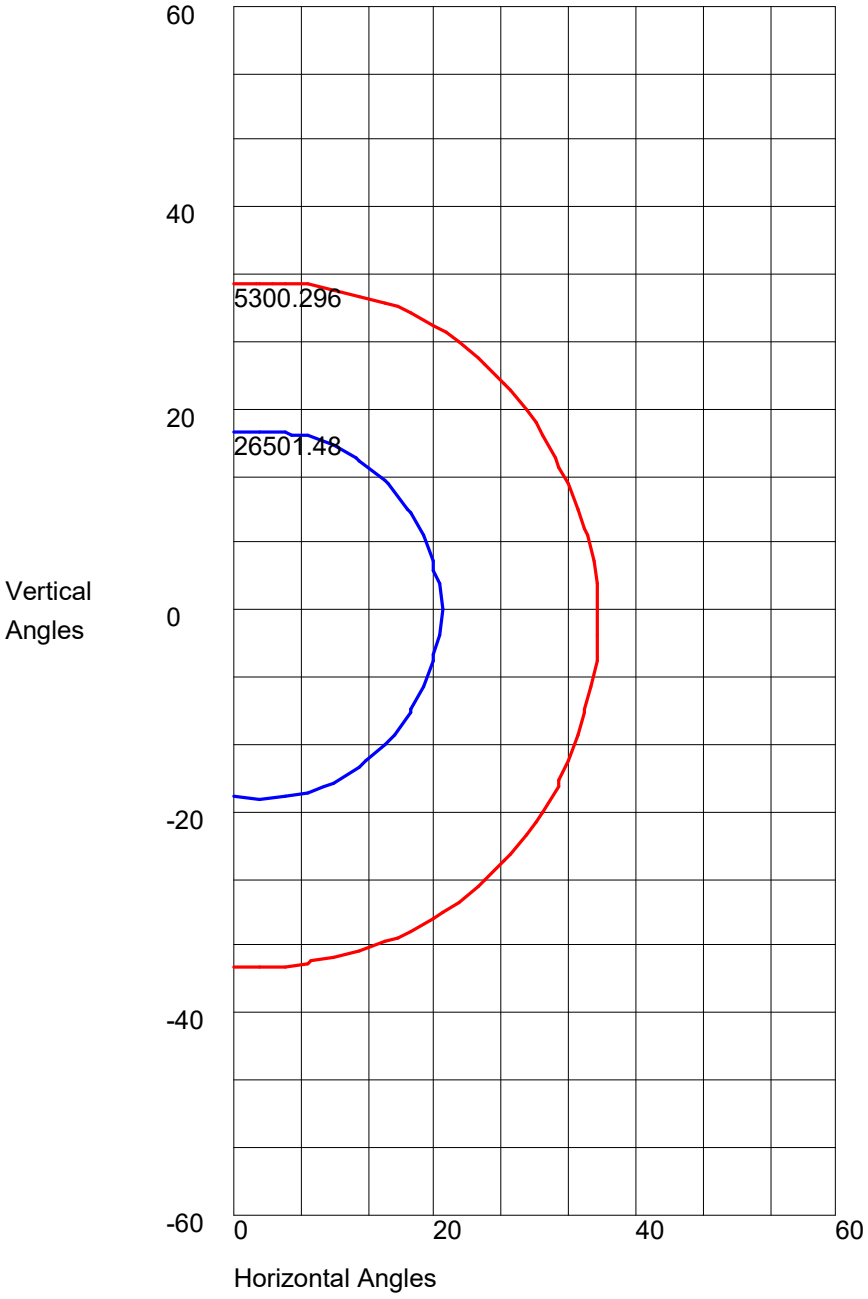


Maximum Candela = 53002.963 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-38NF.IES

ISOCANDELA CURVES



Maximum Candela = 53002.963 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 26501.4815
10% Maximum Candela = 5300.2963

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-60F.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194024
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-13
[ISSUEDATE] 2019-04-13
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-200W-LED-60F
[LUMINAIRE] 200W LED FLOOD LIGHT - 60 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS



NEMA Type	5 H x 5 V
Maximum Candela	27308.811
Maximum Candela Angle	0H 5V
Horizontal Beam Angle (50%)	55.4
Vertical Beam Angle (50%)	56.6
Horizontal Field Angle (10%)	94.2
Vertical Field Angle (10%)	94.6
Lumens Per Lamp	27000 (1 lamp)
Total Lamp Lumens	27000
Beam Lumens	14863
Beam Efficiency	55 %
Field Lumens	23489
Field Efficiency	87 %
Spill Lumens	2542
Luminaire Lumens	26031
Total Efficiency	96 %
Total Luminaire Watts	200
Ballast Factor	1.00

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-60F.IES

AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	27.235	90	25.419
85	55.22	85	57.647
75	207.187	75	203.666
65	494.523	65	497.061
55	1194.119	55	1285.842
47.5	2643.317	47.5	2768.237
42.5	4377.943	42.5	4546.699
37.5	6972.873	37.5	7207.647
33	10012.402	33	10314.328
29	13066.161	29	13429.919
25.5	15810.922	25.5	16219.284
22.5	17924.075	22.5	18360.815
19.5	19942.696	19.5	20411.703
17	21430.587	17	21950.895
15	22620.899	15	23182.249
13	23540.336	13	24118.967
11	24459.773	11	25055.686
9	25258.031	9	25880.998
7	25935.108	7	26594.905
5	26612.185	5	27308.811
3	26883.275	3	27301.251
1	27154.366	1	27293.691
0	27289.911	0	27289.911
-1	27139.407	-1	27251.569
-3	26838.4	-3	27174.886
-5	26537.392	-5	27098.203
-7	25829.318	-7	26320.034
-9	25121.245	-9	25541.865
-11	24299.443	-11	24669.625
-13	23363.912	-13	23703.314
-15	22428.381	-15	22737.002
-17	21215.496	-17	21473.139
-19.5	19699.389	-19.5	19893.31
-22.5	17663.109	-22.5	17800.679
-25.5	15539.994	-25.5	15618.108
-29	12809.598	-29	12776.766
-33	9803.523	-33	9688.445
-37.5	6842.459	-37.5	6688.148
-42.5	4328.801	-42.5	4182.725
-47.5	2637.687	-47.5	2543.575
-55	1204.731	-55	1170.196
-65	496.764	-65	462.743
-75	205.067	-75	190.706
-85	52.185	-85	51.877
-90	25.122	-90	25.989

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-60F.IES

CANDELA TABULATION
Maximum Candela = 27308.811
Beam Edge = 13654.4055 Cd (50% of Max.)
Field Edge = 2730.8811 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	25.068	25.036	24.971	24.907	24.815	24.726	24.666	24.606	24.552	24.546
85.0	25.073	27.409	32.119	36.745	41.208	44.414	46.429	48.322	49.906	51.233
75.0	25.082	32.091	46.229	69.898	101.186	123.789	143.183	160.993	175.547	187.119
65.0	25.091	36.558	69.171	124.493	200.155	263.814	311.585	360.025	402.861	437.287
55.0	25.099	40.670	98.202	195.981	320.739	441.331	518.492	631.777	722.274	797.867
47.5	25.105	43.446	118.169	252.313	431.154	627.143	777.186	1011.313	1209.998	1445.833
42.5	25.108	45.122	135.325	289.584	504.189	775.558	1058.009	1378.156	1751.960	2072.977
37.5	25.111	46.644	150.839	323.634	616.444	1007.084	1376.649	1879.282	2493.454	3090.290 *
33.0	25.113	47.871	163.292	358.287	707.949	1199.989	1752.692	2496.283	3298.929	*4310.792 *
29.0	25.115	48.843	173.093	388.997	785.033	1432.722	2074.103	3098.571	*4315.394	*5517.900 *
25.5	25.117	49.598	180.649	413.030	881.303	1641.062	2489.308	3696.504	*5179.220	*6807.578 *
22.5	25.118	50.171	186.346	431.411	954.576	1801.483	2809.761	*4285.223	*6000.755	*7880.730 *
19.5	25.119	50.675	191.308	447.658	1018.947	1943.988	3094.859	*4812.025	*6858.393	*8944.722 *
17.0	25.120	51.041	194.872	459.512	1065.568	2075.229	3303.700	*5199.835	*7492.603	*9852.562 *
15.0	25.120	51.298	197.346	467.864	1098.160	2202.163	3514.782	*5478.753	*7944.648	*10498.600 *
13.0	25.121	51.523	199.482	475.190	1126.501	2313.491	3722.883	*5826.062	*8344.263	*11073.576 *
11.0	25.121	52.215	201.279	481.471	1150.538	2408.856	3901.393	*6124.984	*8750.498	*11572.374 *
9.0	25.122	52.210	202.735	486.693	1170.232	2487.954	4049.577	*6373.806	*9114.669	*11990.180 *
7.0	25.122	52.204	203.849	490.842	1185.557	2550.544	4166.835	*6571.078	*9404.375	*12331.368 *
5.0	25.122	52.199	205.680	493.907	1196.500	2596.449	4252.725	*6715.670	*9617.233	*12588.752 *
3.0	25.122	52.193	205.435	497.123	1207.940	2625.561	4306.963	*6806.794	*9751.503	*12750.410 *
1.0	25.122	52.188	205.190	496.884	1205.802	2637.846	4329.449	*6844.048	*9806.160	*12814.446 *
0.0	25.122	52.185	205.067	496.764	1204.731	2637.687	4328.801	*6842.459	*9803.523	*12809.598 *
-1.0	25.122	52.185	205.065	496.496	1204.355	2634.329	4322.894	*6832.997	*9789.570	*12792.475 *
-3.0	25.122	52.161	205.060	495.960	1203.603	2615.088	4287.446	*6773.878	*9702.102	*12684.589 *
-5.0	25.122	52.145	205.055	491.986	1189.355	2579.255	4220.686	*6661.596	*9536.124	*12479.353 *
-7.0	25.122	52.129	202.983	488.178	1175.671	2527.014	4122.997	*6497.000	*9293.346	*12178.832 *
-9.0	25.122	52.113	201.630	483.309	1157.723	2458.620	3994.929	*6281.292	*8976.129	*11797.740 *
-11.0	25.121	52.097	199.942	477.398	1135.553	2374.383	3837.171	*6015.975	*8587.393	*11346.316 *
-13.0	25.121	51.387	197.921	470.464	1109.217	2274.672	3650.543	*5702.820	*8159.929	*10818.742 *
-15.0	25.120	51.144	195.569	462.530	1078.781	2159.901	3435.972	*5343.811	*7742.643	*10220.218 *
-17.0	25.120	50.869	192.891	453.618	1044.322	2030.530	3219.927	*5055.690	*7276.823	*9556.087 *
-19.5	25.119	50.481	189.087	441.139	995.723	1896.134	3006.287	*4660.342	*6631.091	*8634.013 *
-22.5	25.118	49.954	183.865	424.268	929.549	1750.077	2718.921	4130.557	*5768.217	*7564.326 *
-25.5	25.117	49.360	177.940	405.411	855.143	1587.489	2400.156	3545.566	*4950.485	*6495.872 *
-29.0	25.115	48.585	170.164	381.027	758.449	1378.432	1991.988	2956.946	*4101.462	*5222.137 *
-33.0	25.114	47.595	160.176	350.200	681.633	1146.893	1672.817	2369.774	3113.463	*4052.937 *
-37.5	25.111	46.354	147.601	315.458	591.787	956.853	1301.859	1770.976	2337.489	2882.095 *
-42.5	25.108	44.828	132.064	280.829	483.086	731.444	991.936	1284.221	1626.146	1914.317
-47.5	25.105	43.157	115.006	243.126	412.189	590.382	723.245	934.211	1108.820	1318.871
-55.0	25.099	40.408	95.297	186.970	305.466	415.207	483.378	581.467	657.062	718.397
-65.0	25.091	36.365	66.931	117.822	186.120	243.925	287.758	331.854	369.125	397.880
-75.0	25.082	31.997	44.903	65.919	93.190	112.096	128.351	142.757	154.079	162.819
-85.0	25.073	27.432	31.827	35.683	38.880	40.866	42.000	42.973	43.708	44.439
-90.0	25.068	25.120	25.224	25.327	25.259	25.081	24.961	24.841	24.733	24.705

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-60F.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	24.652	24.743	24.834	24.909	24.969	25.029	25.089	25.149	25.209	25.269
85.0	52.380	53.289	54.127	54.769	55.244	55.684	56.671	56.849	57.026	57.203
75.0	193.534	198.014	201.567	203.834	205.201	206.180	206.777	207.003	206.865	207.388
65.0	457.245	468.768	478.779	485.858	490.633	494.573	497.637	499.782	500.971	501.165
55.0	899.189	979.130	1050.764	1103.719	1141.508	1175.113	1204.438	1229.394	1249.904	1265.902
47.5	1655.517	1818.172	1969.561	2110.689	2247.554	2369.486	2475.986	2566.600	2640.920	2698.597
42.5	2491.154	2815.587	*3113.090	*3338.288	*3566.882	*3795.325	*3995.587	*4166.502	*4306.997	*4416.119 *
37.5	3685.530	*4284.097	*4824.678	*5243.272	*5551.383	*5932.738	*6268.764	*6557.012	*6795.199	*6981.275 *
33.0	5170.558	*5989.137	*6863.584	*7523.870	*8019.624	*8468.606	*8929.904	*9352.622	*9702.933	*9977.405 *
29.0	6804.051	*7875.045	*8939.536	*9870.765	*10555.993	*11195.951	*11765.557	*12259.106	*12679.184	*13015.535 *
25.5	8269.919	*9671.887	*11034.889	*12075.313	*12865.436	*13611.432	*14290.525	*14878.097	*15366.983	*15750.755 *
22.5	9672.153	*11258.939	*12766.569	*13973.804	*14866.845	*15685.372	*16428.281	*17007.247	*17493.755	*17879.561 *
19.5	11029.897	*12758.502	*14456.187	*15783.313	*16715.180	*17513.856	*18235.330	*18891.566	*19448.632	*19893.669 *
17.0	12061.629	*13944.828	*15759.045	*17076.863	*18019.532	*18897.757	*19699.117	*20346.013	*20905.710	*21360.068 *
15.0	12822.323	*14811.620	*16662.109	*17991.264	*18999.669	*19925.918	*20693.918	*21382.991	*21997.957	*22508.346 *
13.0	13502.318	*15584.745	*17428.053	*18833.996	*19889.080	*20786.316	*21623.463	*22384.376	*23016.635	*23474.136 *
11.0	14096.126	*16242.994	*18100.613	*19592.234	*20610.518	*21574.855	*22486.360	*23208.904	*23786.130	*24295.895 *
9.0	14596.585	*16735.235	*18663.176	*20165.112	*21242.738	*22273.999	*23146.071	*23863.056	*24513.899	*25075.951 *
7.0	14997.033	*17131.253	*19119.857	*20612.841	*21744.068	*22817.480	*23649.023	*24436.438	*25158.282	*25676.121 *
5.0	15291.696	*17423.430	*19459.646	*20946.860	*22120.887	*23132.511	*24022.427	*24894.948	*25563.368	*26165.545 *
3.0	15476.067	*17605.482	*19648.938	*21155.428	*22358.390	*23326.830	*24252.234	*25114.551	*25815.409	*26508.628 *
1.0	15547.250	*17673.020	*19712.370	*21229.953	*22464.068	*23386.739	*24325.425	*25158.019	*25874.995	*26633.648 *
0.0	15539.994	*17663.109	*19699.389	*21215.496	*22428.381	*23363.912	*24299.443	*25121.245	*25829.318	*26537.392 *
-1.0	15522.880	*17646.021	*19681.482	*21192.132	*22419.023	*23332.683	*24259.100	*25074.650	*25765.889	*26478.806 *
-3.0	15403.102	*17524.724	*19557.320	*21043.531	*22225.609	*23167.927	*24058.553	*24873.018	*25505.495	*26087.392 *
-5.0	15170.557	*17289.605	*19309.725	*20765.354	*21906.695	*22877.741	*23715.483	*24517.689	*25086.298	*25550.137 *
-7.0	14828.392	*16945.453	*18912.397	*20368.466	*21457.806	*22479.547	*23241.993	*23937.255	*24545.252	*24924.541 *
-9.0	14381.324	*16498.864	*18400.302	*19866.068	*20894.160	*21852.783	*22642.319	*23263.513	*23800.532	*24250.721 *
-11.0	13835.288	*15957.676	*17784.703	*19234.893	*20187.209	*21075.921	*21902.040	*22528.439	*22996.183	*23539.361 *
-13.0	13197.058	*15251.897	*17052.205	*18403.316	*19400.306	*20220.855	*20972.972	*21639.268	*22205.725	*22760.851 *
-15.0	12473.862	*14429.769	*16226.918	*17497.541	*18447.828	*19303.590	*19988.204	*20586.263	*21229.300	*21821.523 *
-17.0	11679.819	*13518.561	*15274.155	*16529.712	*17414.119	*18224.257	*18947.061	*19547.465	*20165.147	*20687.716 *
-19.5	10633.500	*12288.036	*13924.982	*15185.381	*16056.612	*16790.551	*17439.204	*18127.337	*18729.768	*19227.237 *
-22.5	9270.352	*10774.547	*12199.065	*13343.308	*14177.045	*14928.419	*15662.426	*16269.545	*16790.016	*17214.374 *
-25.5	7874.934	*9197.572	*10474.030	*11436.901	*12169.976	*12884.894	*13567.486	*14166.431	*14673.462	*15080.661 *
-29.0	6431.312	*7428.184	*8413.079	*9274.683	*9913.513	*10534.043	*11089.164	*11572.979	*11992.733	*12336.901 *
-33.0	4840.169	*5591.816	*6395.975	*7000.694	*7471.731	*7897.804	*8340.897	*8750.081	*9090.335	*9357.888 *
-37.5	3422.576	*3963.663	*4444.123	*4832.423	*5119.311	*5481.872	*5801.006	*6074.429	*6300.022	*6475.892 *
-42.5	2291.056	2579.103	2850.018	*3059.209	*3271.760	*3484.335	*3670.635	*3829.583	*3960.192	*4061.587 *
-47.5	1503.677	1646.655	1790.408	1924.263	2052.966	2167.461	2267.363	2352.334	2422.086	2476.388
-55.0	804.291	879.005	946.253	995.879	1031.279	1062.788	1090.355	1113.937	1133.503	1149.035
-65.0	415.745	427.271	437.505	444.942	450.116	454.557	458.221	461.069	463.061	464.157
-75.0	169.820	175.019	179.477	182.627	184.778	186.602	188.103	189.282	190.143	191.634
-85.0	45.588	46.528	47.423	48.131	48.672	49.188	50.133	50.450	50.767	51.084
-90.0	24.861	24.994	25.127	25.238	25.326	25.415	25.503	25.592	25.680	25.768

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	25.329	25.389	25.419	25.427	25.443	25.459	25.474	25.490	25.506	25.522
85.0	57.381	57.558	57.647	57.630	57.597	57.564	57.531	57.497	57.464	56.609
75.0	205.899	204.411	203.666	203.992	204.643	205.295	203.991	203.355	202.391	201.099
65.0	501.562	498.562	497.061	497.438	498.193	495.611	493.278	490.032	485.935	481.046

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PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-60F.IES

CANDELA TABULATION - (Cont.)

55.0	1282.547	1284.743	1285.842	1282.461	1275.704	1254.600	1234.226	1209.484	1180.477	1147.320
47.5	2739.339	2762.927	2768.237	2760.157	2731.037	2684.782	2621.626	2541.871	2445.880	2334.070
42.5	4493.049	4537.133	4546.699	4533.764	4482.983	4399.474	4283.971	4137.366	3960.678	3755.045
37.5	7113.460	7190.315	7207.647	7186.301	7101.425	6961.236	6767.186	6521.065	6224.932	5881.077
33.0	10173.13	10287.85	10314.32	10282.02	10155.89	9949.565	9665.788	9307.928	8879.818	8413.711
29.0	13255.57	13396.80	13429.91	13386.12	13224.22	12965.62	12614.13	12181.60	11677.17	11100.089
25.5	16024.10	16183.24	16219.28	16164.60	15969.20	15662.58	15250.34	14739.29	14137.05	13451.640
22.5	18157.50	18322.12	18360.81	18296.38	18081.38	17756.27	17328.38	16806.34	16199.46	15455.687
19.5	20192.96	20368.61	20411.70	20333.83	20090.51	19728.79	19228.39	18625.27	17936.81	17255.948
17.0	21695.36	21900.08	21950.89	21854.42	21561.18	21145.27	20622.27	20008.53	19388.51	18633.879
15.0	22888.87	23143.42	23182.24	23086.40	22722.02	22242.67	21649.80	21002.18	20376.24	19665.955
13.0	23826.48	24055.35	24118.96	23986.55	23624.57	23151.49	22590.76	21999.79	21307.41	20531.272
11.0	24707.09	24979.05	25055.68	24894.14	24459.59	23905.10	23344.57	22839.48	22183.61	21335.075
9.0	25510.47	25793.81	25880.99	25682.42	25193.65	24593.09	24101.53	23527.28	22875.03	22061.339
7.0	26135.83	26486.35	26594.90	26328.95	25698.01	25191.71	24791.56	24149.32	23425.04	22654.720
5.0	26706.48	27197.70	27308.81	26957.56	26103.63	25735.78	25256.39	24679.36	23882.68	23053.232
3.0	26962.22	27187.42	27301.25	26940.07	26558.40	26196.55	25631.80	25023.43	24222.80	23343.255
1.0	26913.38	27180.73	27293.69	27045.99	26808.67	26561.21	25876.96	25214.60	24420.36	23508.354
0.0	26838.40	27139.40	27289.91	27154.36	26883.27	26612.18	25935.10	25258.03	24459.77	23540.336
-1.0	26753.50	27006.09	27251.56	27156.33	26901.87	26651.47	25929.69	25246.64	24440.06	23520.178
-3.0	26438.82	26816.01	27174.88	27098.85	26889.06	26427.36	25773.30	25111.01	24277.72	23376.076
-5.0	25894.96	26755.82	27098.20	27030.42	26606.39	26068.25	25465.24	24802.17	23961.69	23099.762
-7.0	25425.28	26059.19	26320.03	26255.12	25983.36	25563.31	25045.93	24318.83	23523.69	22704.624
-9.0	24858.43	25348.04	25541.86	25499.81	25299.16	24941.65	24384.17	23729.22	23005.93	22130.921
-11.0	24088.26	24514.08	24669.62	24636.38	24445.81	24107.31	23638.88	23058.57	22333.32	21423.622
-13.0	23226.30	23577.66	23703.31	23678.54	23523.19	23237.89	22840.50	22219.80	21460.22	20625.323
-15.0	22294.98	22648.93	22737.00	22734.15	22546.80	22229.55	21778.20	21205.46	20518.77	19753.700
-17.0	21098.74	21382.78	21473.13	21456.15	21316.26	21042.06	20645.25	20139.83	19510.24	18709.511
-19.5	19584.63	19820.46	19893.31	19882.48	19768.96	19528.71	19139.26	18633.82	18023.26	17303.535
-22.5	17533.84	17741.00	17800.67	17791.82	17685.00	17462.10	17128.37	16690.86	16157.80	15446.244
-25.5	15380.88	15568.20	15618.10	15609.85	15504.56	15282.64	14947.80	14505.32	13961.63	13323.987
-29.0	12586.89	12738.67	12776.76	12769.78	12679.34	12488.09	12198.49	11827.36	11384.63	10862.354
-33.0	9549.431	9662.237	9688.445	9683.487	9612.532	9460.906	9230.126	8922.394	8540.513	8119.755
-37.5	6600.410	6672.271	6688.148	6685.621	6640.111	6540.899	6388.625	6184.295	5929.237	5625.069
-42.5	4133.020	4173.893	4182.725	4181.230	4154.807	4097.150	4008.422	3888.957	3739.243	3559.912
-47.5	2515.066	2538.015	2543.575	2541.916	2526.702	2495.559	2448.461	2385.457	2306.657	2212.239
-55.0	1165.050	1168.480	1170.196	1170.466	1171.007	1158.884	1147.179	1131.329	1111.323	1087.162
-65.0	465.448	463.645	462.743	464.613	468.352	468.982	469.792	469.685	468.693	466.850
-75.0	191.263	190.892	190.706	191.397	192.778	194.159	193.651	193.770	193.554	192.997
-85.0	51.401	51.718	51.877	51.907	51.966	52.025	52.084	52.143	52.202	51.591
-90.0	25.857	25.945	25.989	26.006	26.041	26.075	26.110	26.144	26.179	26.213

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	25.537	25.553	25.572	25.595	25.618	25.644	25.565	25.436	25.291	25.147
85.0	56.307	55.968	55.494	54.852	54.132	53.198	51.474	49.271	46.747	44.172
75.0	199.476	197.523	194.616	190.449	185.545	178.902	168.374	154.935	138.170	119.553
65.0	475.430	469.148	460.454	448.949	436.470	417.350	386.282	346.279	299.130	252.772
55.0	1110.137	1069.057	1012.440	937.143	854.673	755.877	683.431	598.214	493.199	422.330
47.5	2206.906	2064.895	1917.793	1759.887	1595.020	1384.517	1149.881	957.550	732.950	594.404
42.5	3521.688	3288.338	3056.432	2752.301	2424.304	2004.385	1683.211	1310.856	999.291	730.116
37.5	5491.955	5178.113	4753.623	4209.852	3608.627	3010.644	2413.985	1803.500	1304.999	949.938
33.0	7956.595	7452.819	6785.324	5903.125	5079.672	4218.010	3205.142	2408.362	1673.339	1137.653
29.0	10456.33	9775.574	8852.869	7786.350	6707.610	5412.845	4209.946	2996.169	1994.411	1371.122
25.5	12718.08	11945.48	10916.67	9565.874	8170.222	6699.126	5063.867	3586.618	2410.956	1582.580

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CANDELA TABULATION - (Cont.)

22.5	14671.00	13805.59	11262.37	7231.49	3557.40	2768.86	2879.47	2187.59	1735.80	1746.74
19.5	16492.63	15592.31	12954.39	8261.20	4089.96	3188.82	3294.69	2760.63	2731.70	3028.20	1893.94
17.0	17795.11	16884.84	15597.82	13802.44	11922.06	9975.04	7420.13	5137.59	3245.21	2029.87
15.0	18783.25	17808.13	16509.88	14676.43	12702.98	10425.82	7903.25	5433.29	3466.34	2161.37
13.0	19688.08	18668.01	17291.02	15478.30	13428.95	11035.26	8332.88	5802.00	3686.33	2277.87
11.0	20425.10	19452.21	17997.31	16189.29	14071.17	11573.26	8769.42	6123.75	3877.52	2378.94
9.0	21082.68	20064.95	18616.06	16733.38	14622.29	12034.45	9165.45	6396.45	4038.97	2464.16
7.0	21644.84	20569.99	19132.68	17183.98	15075.35	12421.83	9489.06	6618.23	4169.82	2533.17
5.0	22094.35	20969.53	19535.92	17533.26	15424.16	12726.22	9737.19	6787.45	4269.36	2585.68
3.0	22414.14	21250.95	19789.47	17774.58	15663.69	12935.46	9907.32	6902.81	4337.03	2621.43
1.0	22609.32	21404.16	19920.61	17903.06	15790.44	13047.22	9997.59	6963.35	4372.42	2640.27
0.0	22620.89	21430.58	19942.69	17924.07	15810.92	13066.16	10012.40	6972.87	4377.94	2643.31
-1.0	22615.46	21406.73	19919.85	17900.94	15787.32	13041.94	9991.42	6958.01	4369.08	2638.51
-3.0	22430.98	21257.69	19786.53	17768.07	15653.98	12919.39	9888.74	6886.89	4327.08	2616.19
-5.0	22117.98	20977.56	19529.21	17521.89	15406.87	12698.70	9706.00	6761.18	4253.05	2577.06
-7.0	21669.41	20575.03	19121.72	17166.99	15048.91	12381.75	9444.93	6581.99	4147.54	2521.38
-9.0	21102.93	20061.75	18599.48	16709.80	14584.62	11981.09	9107.94	6350.77	4011.26	2449.45
-11.0	20462.33	19447.58	17973.58	16158.01	14019.82	11506.39	8697.99	6069.28	3845.06	2361.65
-13.0	19731.27	18675.77	17268.40	15432.32	13361.20	10954.01	8248.30	5739.49	3649.90	2258.38
-15.0	18827.63	17818.56	16488.55	14616.91	12615.98	10329.25	7809.24	5363.61	3426.84	2140.13
-17.0	17831.51	16888.84	15565.44	13727.33	11817.49	9637.55	7321.99	5063.33	3203.40	2007.38
-19.5	16506.08	15571.58	14232.74	12513.73	10779.39	8693.22	6650.25	4653.95	2983.95	1870.68
-22.5	14626.29	13728.37	12510.37	11000.25	9415.25	7629.80	5763.14	4108.95	2690.35	1723.82
-25.5	12595.38	11803.31	10767.37	9408.04	8010.78	6562.87	4952.74	3510.74	2366.24	1561.42
-29.0	10265.71	9595.84	8668.36	7614.67	6556.76	5283.19	4110.28	2927.44	1953.07	1353.87
-33.0	7712.72	7255.14	6611.56	5748.98	4944.74	4106.53	3120.81	2350.74	1639.92	1125.59
-37.5	5273.64	4994.69	4608.30	4081.59	3498.08	2922.39	2350.05	1761.92	1284.44	940.29
-42.5	3351.72	3142.22	2939.24	2661.87	2350.85	1949.73	1643.13	1287.24	986.98	724.41
-47.5	2102.43	1977.53	1848.10	1708.86	1554.09	1353.68	1129.81	944.96	727.22	589.17
-55.0	1058.86	1026.44	980.20	916.45	843.90	749.40	679.59	596.13	491.64	419.88
-65.0	464.19	460.75	455.40	447.56	438.28	420.52	388.02	346.77	298.25	250.83
-75.0	192.09	190.83	188.75	185.50	181.43	175.61	164.90	151.20	134.16	115.29
-85.0	51.42	51.23	50.94	50.54	50.06	49.43	48.17	46.53	44.62	42.63
-90.0	26.24	26.28	26.32	26.37	26.42	26.48	26.45	26.38	26.30	26.22

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	24.93	25.18	25.98	26.78	27.17
85.0	40.27	36.26	32.94	29.18	27.18
75.0	97.10	67.83	46.75	33.95	27.19
65.0	191.63	120.73	69.27	38.51	27.20
55.0	309.01	190.80	97.85	42.75	27.21
47.5	415.06	246.61	117.66	45.63	27.21
42.5	485.37	283.79	134.79	47.39	27.22
37.5	590.77	317.96	150.35	48.99	27.22
33.0	677.90	352.20	162.93	50.30	27.22
29.0	752.61	382.50	172.89	51.35	27.22
25.5	848.18	406.40	180.63	52.17	27.23
22.5	921.76	424.84	186.51	52.80	27.23
19.5	987.22	441.28	191.68	53.36	27.23
17.0	1035.32	453.41	195.43	53.77	27.23
15.0	1069.43	462.04	198.06	54.06	27.23
13.0	1099.57	469.70	200.37	54.33	27.23
11.0	1125.65	476.37	202.34	55.07	27.23
9.0	1147.61	482.02	203.98	55.10	27.23

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CANDELA TABULATION - (Cont.)

7.0	1165.394	486.652	205.284	55.127	27.235
5.0	1178.943	490.233	207.301	55.154	27.235
3.0	1193.061	493.971	207.255	55.180	27.235
1.0	1193.766	494.339	207.210	55.220	27.235
0.0	1194.119	494.523	207.187	55.220	27.235
-1.0	1193.428	494.236	207.186	55.202	27.235
-3.0	1192.047	493.664	207.184	55.166	27.235
-5.0	1177.286	489.729	207.182	55.129	27.235
-7.0	1163.122	485.958	205.116	55.093	27.235
-9.0	1144.776	481.154	203.765	55.058	27.234
-11.0	1122.308	475.333	202.077	55.022	27.234
-13.0	1095.786	468.518	200.054	54.271	27.234
-15.0	1065.292	460.729	197.696	54.001	27.233
-17.0	1030.913	451.991	195.007	53.699	27.233
-19.5	982.626	439.770	191.185	53.277	27.232
-22.5	917.161	423.266	185.928	52.708	27.231
-25.5	843.851	404.841	179.956	52.071	27.229
-29.0	748.946	381.041	172.105	51.245	27.228
-33.0	673.804	350.987	162.004	50.196	27.226
-37.5	585.992	316.954	149.263	48.889	27.223
-42.5	479.821	282.551	133.495	47.290	27.220
-47.5	410.969	245.099	116.155	45.547	27.217
-55.0	307.054	188.761	96.469	42.694	27.211
-65.0	188.707	117.688	68.236	38.518	27.202
-75.0	93.577	65.991	46.278	34.029	27.193
-85.0	39.567	36.273	33.193	29.352	27.183
-90.0	26.105	26.218	26.604	26.988	27.179

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 13015.64
Total Field Lumens (one side of beam only) = 11744.6
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.06	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.15
85	0.40	0.80	0.80	0.80	0.79	0.79	0.78	0.77	0.75	0.92
75	1.07	2.14	2.14	2.13	2.12	2.09	2.07	2.03	2.00	2.43
65	2.71	5.42	5.37	5.30	5.21	5.10	4.97	4.81	4.64	5.54
55	4.63	9.20	9.08	8.89	8.65	8.35	8.01	7.61	7.17	8.34
47.5	5.56 *	11.05 *	10.88 *	10.62 *	10.28 *	9.86 *	9.36 *	8.79 *	8.18 *	9.43
42.5	8.94 *	17.75 *	17.45 *	17.01 *	16.41 *	15.69 *	14.83 *	13.85 *	12.88 *	14.82 *
37.5	11.99 *	23.80 *	23.39 *	22.77 *	21.95 *	20.94 *	19.78 *	18.53 *	17.27 *	19.78 *
33	14.44 *	28.66 *	28.17 *	27.44 *	26.47 *	25.30 *	23.96 *	22.51 *	20.97 *	23.89 *
29	15.78 *	31.33 *	30.81 *	30.03 *	29.02 *	27.80 *	26.39 *	24.81 *	23.13 *	26.39 *
25.5	15.78 *	31.32 *	30.83 *	30.10 *	29.15 *	28.01 *	26.65 *	25.12 *	23.48 *	26.89 *
22.5	17.69 *	35.12 *	34.59 *	33.80 *	32.76 *	31.53 *	30.10 *	28.52 *	26.77 *	30.73 *
19.5	16.10 *	31.96 *	31.46 *	30.74 *	29.80 *	28.71 *	27.48 *	26.11 *	24.59 *	28.35 *
17	13.73 *	27.22 *	26.76 *	26.12 *	25.32 *	24.43 *	23.43 *	22.27 *	20.99 *	24.28 *
15	14.38 *	28.51 *	28.02 *	27.36 *	26.55 *	25.61 *	24.57 *	23.39 *	22.06 *	25.53 *
13	14.95 *	29.61 *	29.09 *	28.41 *	27.63 *	26.70 *	25.60 *	24.36 *	23.01 *	26.64 *
11	15.48 *	30.63 *	30.04 *	29.33 *	28.53 *	27.62 *	26.51 *	25.21 *	23.81 *	27.60 *
9	15.93 *	31.48 *	30.85 *	30.16 *	29.34 *	28.36 *	27.25 *	25.94 *	24.47 *	28.37 *
7	16.36 *	32.21 *	31.51 *	30.83 *	30.00 *	28.97 *	27.80 *	26.49 *	24.99 *	28.99 *
5	16.56 *	32.67 *	32.05 *	31.33 *	30.46 *	29.41 *	28.19 *	26.87 *	25.37 *	29.43 *
3	16.57 *	32.82 *	32.38 *	31.67 *	30.72 *	29.66 *	28.42 *	27.10 *	25.60 *	29.67 *
1	8.29 *	16.44 *	16.24 *	15.89 *	15.40 *	14.87 *	14.25 *	13.59 *	12.84 *	14.88 *
0	8.28 *	16.43 *	16.23 *	15.88 *	15.40 *	14.86 *	14.24 *	13.58 *	12.83 *	14.87 *
-1	16.52 *	32.73 *	32.30 *	31.60 *	30.66 *	29.60 *	28.37 *	27.06 *	25.56 *	29.62 *

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-60F.IES

LUMENS TABULATION - (Cont.)

-3	16.47 *	32.50 *	31.90 *	31.20 *	30.33 *	29.30 *	28.09 *	26.78 *	25.29 *	29.33 *
-5	16.22 *	31.97 *	31.30 *	30.63 *	29.82 *	28.80 *	27.65 *	26.35 *	24.86 *	28.85 *
-7	15.75 *	31.16 *	30.58 *	29.91 *	29.11 *	28.15 *	27.05 *	25.76 *	24.30 *	28.19 *
-9	15.26 *	30.24 *	29.71 *	29.03 *	28.26 *	27.37 *	26.27 *	24.99 *	23.61 *	27.37 *
-11	14.71 *	29.18 *	28.70 *	28.07 *	27.32 *	26.41 *	25.33 *	24.11 *	22.77 *	26.37 *
-13	14.13 *	28.04 *	27.60 *	26.98 *	26.20 *	25.29 *	24.26 *	23.10 *	21.78 *	25.21 *
-15	13.45 *	26.71 *	26.29 *	25.69 *	24.93 *	24.06 *	23.08 *	21.95 *	20.68 *	23.92 *
-17	15.73 *	31.26 *	30.81 *	30.14 *	29.25 *	28.19 *	26.99 *	25.65 *	24.15 *	27.84 *
-19.5	17.21 *	34.20 *	33.73 *	32.99 *	32.01 *	30.82 *	29.44 *	27.89 *	26.18 *	30.02 *
-22.5	15.25 *	30.32 *	29.89 *	29.21 *	28.32 *	27.22 *	25.91 *	24.42 *	22.81 *	26.11 *
-25.5	15.12 *	30.06 *	29.60 *	28.89 *	27.95 *	26.79 *	25.45 *	23.93 *	22.30 *	25.45 *
-29	13.67 *	27.18 *	26.76 *	26.10 *	25.21 *	24.13 *	22.87 *	21.51 *	20.05 *	22.86 *
-33	11.22 *	22.30 *	21.96 *	21.42 *	20.68 *	19.76 *	18.68 *	17.52 *	16.36 *	18.77 *
-37.5	8.27 *	16.45 *	16.22 *	15.84 *	15.32 *	14.67 *	13.89 *	12.99 *	12.09 *	13.95 *
-42.5	5.12 *	10.18 *	10.05 *	9.83 *	9.54 *	9.16 *	8.72 *	8.20 *	7.64	8.83
-47.5	4.24	8.45	8.35	8.20	7.99	7.74	7.43	7.08	6.68	7.79
-55	2.49	4.97	4.95	4.89	4.82	4.73	4.62	4.49	4.34	5.20
-65	1.00	2.00	2.00	2.00	1.98	1.97	1.94	1.92	1.88	2.30
-75	0.37	0.74	0.74	0.74	0.73	0.73	0.72	0.71	0.70	0.85
-85	0.06	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.14
-90										
Total	487.94	967.46	951.84	930.19	902.66	869.77	831.62	788.91	742.07	856.84

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.17	0.16	0.18	0.20	0.21	0.21	0.19	0.24	0.24	0.16
85	1.07	1.02	1.13	1.20	1.20	1.15	0.95	1.09	0.93	0.48
75	2.82	2.69	2.95	3.07	3.02	2.79	2.22	2.41	1.85	0.80
65	6.22	5.72	5.99	6.01	5.78	5.19	4.04	4.29	3.14	1.26
55	9.15	8.22	8.34	7.98	7.31	6.26	4.65	4.77	3.37	1.29

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LUMENS TABULATION - (Cont.)

47.5	10.24	9.03	8.93	8.29	7.31	6.00	4.24	4.08	2.76	1.03
42.5	15.89 *	13.71 *	13.26 *	12.09	10.29	8.10	5.52	5.05	3.24	1.16
37.5	20.93 *	17.81 *	17.15 *	15.30 *	12.59	9.64	6.30	5.54	3.38	1.16
33	25.16 *	21.42 *	20.48 *	18.01 *	14.57 *	10.79	6.80	5.76	3.35	1.12
29	27.86 *	23.68 *	22.55 *	19.74 *	15.74 *	11.40 *	7.06	5.81	3.23	1.05
25.5	28.46 *	24.20 *	23.04 *	20.08 *	15.90 *	11.46 *	6.95	5.56	3.01	0.94
22.5	32.60 *	27.84 *	26.50 *	23.07 *	18.26 *	12.98 *	7.69	6.04	3.21	0.98
19.5	30.19 *	25.83 *	24.67 *	21.51 *	16.93 *	11.87 *	6.94	5.38	2.81	0.84
17	25.97 *	22.28 *	21.33 *	18.61 *	14.55 *	10.14 *	5.92	4.55	2.32	0.68
15	27.39 *	23.58 *	22.62 *	19.72 *	15.41 *	10.77 *	6.28 *	4.77	2.38	0.69
13	28.64 *	24.75 *	23.78 *	20.74 *	16.25 *	11.39 *	6.61 *	4.96	2.44	0.70
11	29.70 *	25.73 *	24.77 *	21.66 *	17.02 *	11.92 *	6.89 *	5.12	2.48	0.71
9	30.56 *	26.52 *	25.60 *	22.44 *	17.66 *	12.36 *	7.12 *	5.25	2.52	0.72
7	31.25 *	27.14 *	26.26 *	23.06 *	18.17 *	12.70 *	7.30 *	5.36	2.54	0.72
5	31.73 *	27.59 *	26.74 *	23.50 *	18.53 *	12.94 *	7.43 *	5.43	2.57	0.73
3	32.00 *	27.85 *	27.02 *	23.76 *	18.74 *	13.08 *	7.50 *	5.48	2.58	0.73
1	16.04 *	13.97 *	13.56 *	11.92 *	9.41 *	6.57 *	3.76 *	2.74	1.29	0.37
0	16.04 *	13.96 *	13.55 *	11.92 *	9.40 *	6.56 *	3.76 *	2.74	1.29	0.37
-1	31.94 *	27.80 *	26.96 *	23.71 *	18.70 *	13.05 *	7.49 *	5.46	2.58	0.73
-3	31.62 *	27.49 *	26.63 *	23.39 *	18.44 *	12.88 *	7.40 *	5.41	2.56	0.73
-5	31.09 *	27.00 *	26.11 *	22.90 *	18.04 *	12.61 *	7.25 *	5.33	2.53	0.72
-7	30.36 *	26.33 *	25.39 *	22.23 *	17.50 *	12.24 *	7.06 *	5.21	2.50	0.72
-9	29.45 *	25.49 *	24.51 *	21.41 *	16.81 *	11.78 *	6.82 *	5.07	2.46	0.71
-11	28.34 *	24.46 *	23.46 *	20.45 *	16.01 *	11.23 *	6.53 *	4.91	2.42	0.70
-13	27.03 *	23.24 *	22.26 *	19.39 *	15.14 *	10.59 *	6.19 *	4.71	2.36	0.69
-15	25.56 *	21.89 *	20.93 *	18.25 *	14.26 *	9.95 *	5.82	4.49	2.30	0.68
-17	29.60 *	25.29 *	24.12 *	21.02 *	16.55 *	11.61 *	6.80	5.30	2.78	0.83
-19.5	31.81 *	27.13 *	25.81 *	22.45 *	17.78 *	12.66 *	7.53	5.93	3.17	0.97

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LUMENS TABULATION - (Cont.)

-22.5	27.62 *	23.46 *	22.33 *	19.46 *	15.42 *	11.14 *	6.78	5.45	2.97	0.93
-25.5	26.86 *	22.83 *	21.74 *	19.04 *	15.21 *	11.05	6.87	5.68	3.18	1.03
-29	24.09 *	20.52 *	19.64 *	17.29 *	14.02 *	10.42	6.60	5.62	3.29	1.11
-33	19.89 *	16.95 *	16.35 *	14.62 *	12.07	9.29	6.10	5.39	3.31	1.14
-37.5	15.00 *	12.96 *	12.58	11.50	9.84	7.78	5.33	4.91	3.17	1.14
-42.5	9.61	8.50	8.43	7.86	6.97	5.74	4.08	3.95	2.70	1.01
-47.5	8.57	7.71	7.86	7.55	6.96	5.99	4.48	4.62	3.28	1.26
-55	5.85	5.40	5.67	5.72	5.53	4.98	3.89	4.14	3.04	1.22
-65	2.66	2.55	2.80	2.91	2.87	2.66	2.11	2.29	1.77	0.77
-75	0.99	0.94	1.04	1.10	1.11	1.07	0.89	1.03	0.89	0.47
-85	0.16	0.15	0.17	0.19	0.20	0.20	0.18	0.24	0.24	0.16
-90										
Total	918.18	792.80	765.20	676.29	543.64	395.19	242.35	197.56	110.44	36.38

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	0.07	0.01	3.24
85	0.19	0.02	18.02
75	0.25	0.02	45.12
65	0.33	0.02	97.07
55	0.30	0.02	141.56
47.5	0.23	0.01	156.15
42.5	0.25	0.01	238.21
37.5	0.24	0.01	310.21
33	0.23	0.01	369.52
29	0.21	0.01	403.84
25.5	0.19	0.01	407.12
22.5	0.19	0.01	460.99
19.5	0.16	0.01	422.42
17	0.13	0.01	361.05

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LUMENS TABULATION - (Cont.)

15	0.13	0.01	379.75
13	0.13	0.01	396.39
11	0.14	0.01	410.90
9	0.14	0.01	423.05
7	0.14	0.01	432.80
5	0.14	0.01	439.67
3	0.14	0.01	443.48
1	0.07	0.00	222.38
0	0.07	0.00	222.26
-1	0.14	0.01	442.58
-3	0.14	0.01	437.88
-5	0.14	0.01	430.18
-7	0.14	0.01	419.64
-9	0.13	0.01	406.77
-11	0.13	0.01	391.60
-13	0.13	0.01	374.33
-15	0.13	0.01	355.01
-17	0.16	0.01	414.06
-19.5	0.19	0.01	449.93
-22.5	0.18	0.01	395.20
-25.5	0.21	0.01	389.26
-29	0.23	0.01	353.17
-33	0.24	0.01	294.01
-37.5	0.25	0.01	224.17
-42.5	0.22	0.01	146.37
-47.5	0.29	0.02	132.55
-55	0.32	0.02	91.27
-65	0.24	0.02	42.63

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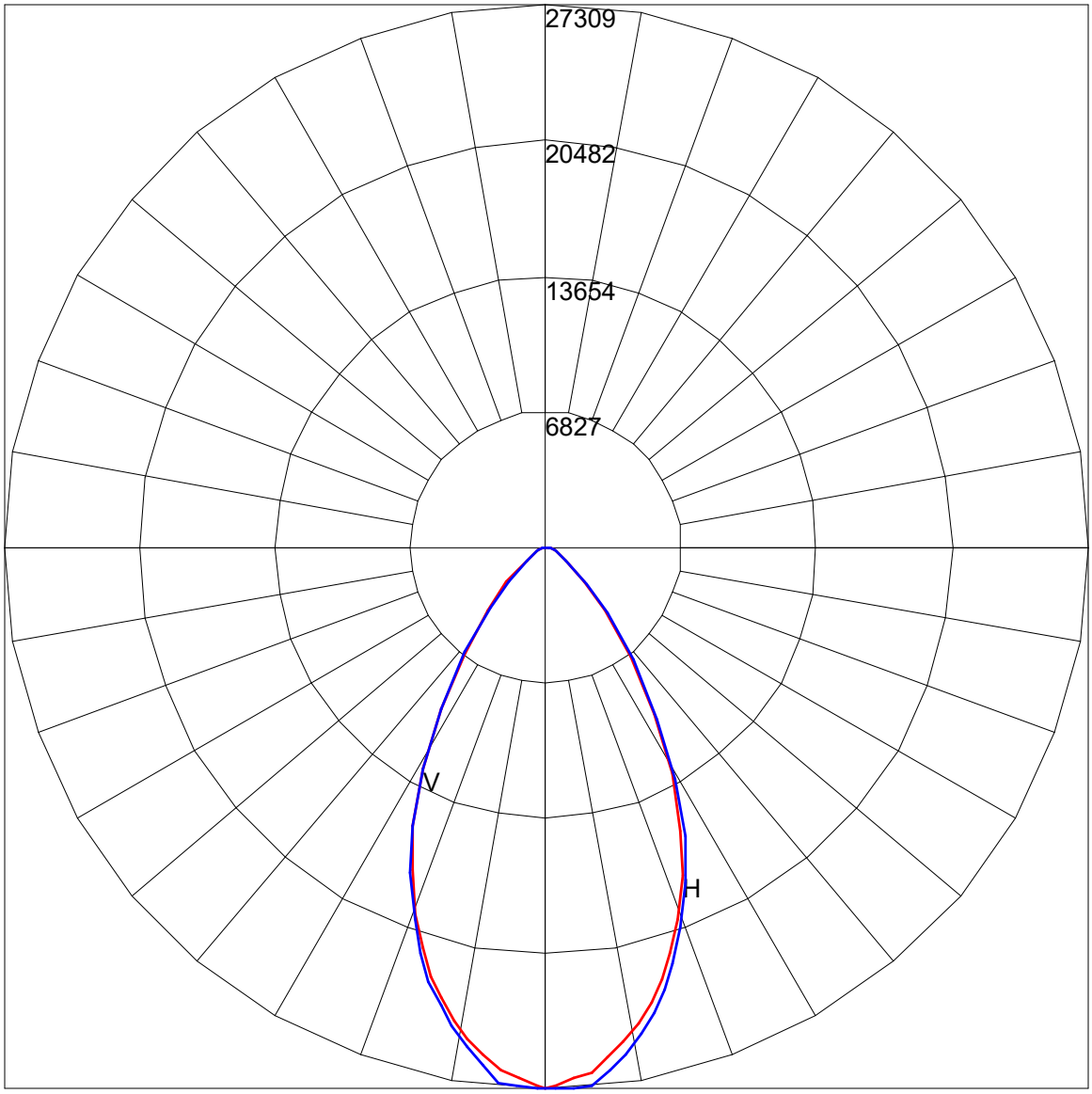
LUMENS TABULATION - (Cont.)

-75			
	0.18	0.02	16.75
-85			
	0.07	0.01	3.09
-90			
Total	7.93	0.42	13015.65

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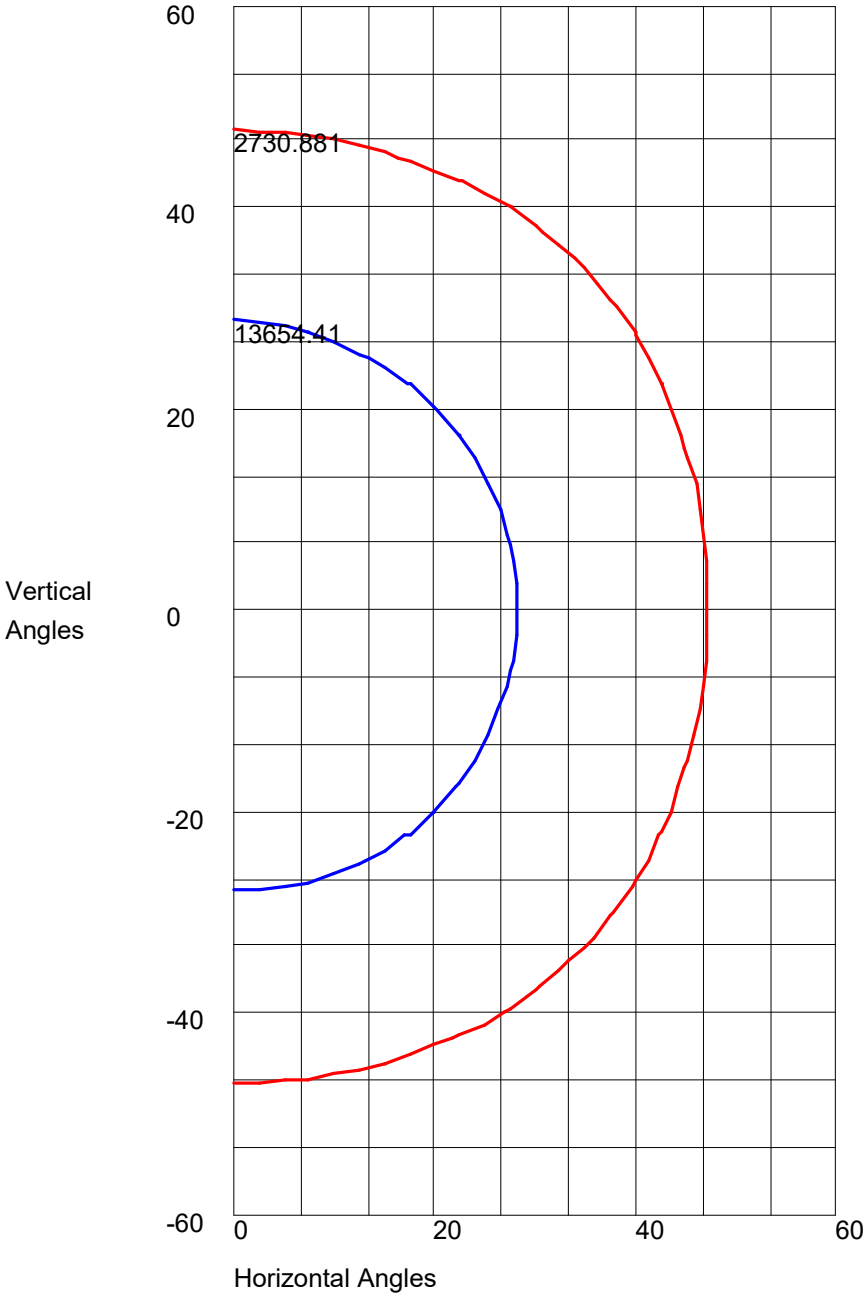
AXIAL CANDELA DISPLAY



Maximum Candela = 27308.811 Located At Horizontal Angle = 0, Vertical Angle = 5
H - Horizontal Axial Candela
V - Vertical Axial Candela

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ISOCANDELA CURVES



Maximum Candela = 27308.811 Located At Horizontal Angle = 0, Vertical Angle = 5
50% Maximum Candela = 13654.4055
10% Maximum Candela = 2730.8811

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-90WF.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 194025
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2019-04-13
[ISSUEDATE] 2019-04-13
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GAU-LTL-200W-LED-90WF
[LUMINAIRE] 200W LED FLOOD LIGHT - 90 DEGREE OPTICS
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS



NEMA Type	6 H x 6 V
Maximum Candela	17348.683
Maximum Candela Angle	0H -5V
Horizontal Beam Angle (50%)	77.3
Vertical Beam Angle (50%)	78.7
Horizontal Field Angle (10%)	115.8
Vertical Field Angle (10%)	116.5
Lumens Per Lamp	27000 (1 lamp)
Total Lamp Lumens	27000
Beam Lumens	17436
Beam Efficiency	65 %
Field Lumens	24669
Field Efficiency	91 %
Spill Lumens	1563
Luminaire Lumens	26232
Total Efficiency	97 %
Total Luminaire Watts	200
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.067	90	.057
85	33.568	85	28.446
75	227.181	75	214.82
65	675.025	65	668.329
55	2217.052	55	2190.375
47.5	5029.612	47.5	5086.179
42.5	7162.826	42.5	7275.42
37.5	9222.462	37.5	9392.433
33	10815.574	33	11024.13
29	12036.991	29	12268.066
25.5	13047.046	25.5	13336.522
22.5	13777.8	22.5	14108.293
19.5	14449.746	19.5	14816.07
17	14877.173	17	15259.292
15	15219.114	15	15613.869
13	15557.598	13	15971.146
11	15896.082	11	16328.423
9	16215.288	9	16672.307
7	16515.216	7	17002.8
5	16815.144	5	17333.292
3	16986.006	3	17296.894
1	17156.867	1	17260.497
0	17242.298	0	17242.298
-1	17156.219	-1	17263.575
-3	16984.061	-3	17306.129
-5	16811.903	-5	17348.683
-7	16524.289	-7	17030.719
-9	16236.674	-9	16712.755
-11	15922.166	-11	16383.019
-13	15580.765	-13	16041.51
-15	15239.364	-15	15700.002
-17	14897.315	-17	15347.801
-19.5	14469.754	-19.5	14907.549
-22.5	13807.771	-22.5	14205.226
-25.5	13087.142	-25.5	13440.233
-29	12078.034	-29	12385.196
-33	10855.914	-33	11135.86
-37.5	9256.078	-37.5	9511.237
-42.5	7178.756	-42.5	7409.074
-47.5	5014.491	-47.5	5217.538
-55	2190.483	-55	2292.898
-65	661.227	-65	701.891
-75	220.093	-75	225.016
-85	29.434	-85	33.873
-90	.059	-90	.068

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CANDELA TABULATION
Maximum Candela = 17348.683
Beam Edge = 8674.3415 Cd (50% of Max.)
Field Edge = 1734.8683 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	0.000	0.005	0.015	0.024	0.032	0.038	0.042	0.045	0.048	0.051
85.0	0.005	2.540	7.412	11.890	16.081	19.106	20.971	22.695	24.115	25.226
75.0	0.015	7.545	22.042	48.182	83.846	108.443	131.328	151.775	167.995	180.596
65.0	0.025	12.329	48.221	113.327	209.372	291.658	355.081	419.366	483.911	539.526
55.0	0.034	16.748	82.491	206.083	376.026	563.272	689.115	895.532	1058.722	1196.594
47.5	0.040	19.744	106.232	283.825	551.817	896.715	1172.145	1674.157	2090.826	*2600.973 *
42.5	0.043	21.561	128.561	337.055	670.581	1175.918	1794.289	*2487.283	*3307.084	*3989.673 *
37.5	0.047	23.217	148.773	386.057	881.314	1696.700	2509.433	*3609.508	*4680.472	*5630.437 *
33.0	0.049	24.559	165.018	440.231	1053.306	2135.030	*3348.191	*4700.348	*5978.238	*7078.273 *
29.0	0.052	25.628	177.821	489.506	1202.419	2656.701	*4040.041	*5670.246	*7095.546	*8351.340 *
25.5	0.053	26.461	187.706	527.962	1423.265	3124.026	*4711.375	*6460.071	*8005.469	*9200.452 *
22.5	0.054	27.098	195.172	557.302	1592.308	3486.098	*5231.949	*7081.349	*8680.697	*9904.250 *
19.5	0.056	27.661	201.687	583.179	1741.732	*3809.944	*5697.551	*7639.757	*9242.239	*10500.607 *
17.0	0.056	28.073	206.379	602.023	1850.694	*4068.389	*6040.673	*8052.908	*9659.063	*10870.308 *
15.0	0.057	28.365	209.644	615.279	1927.382	*4276.696	*6290.324	*8345.641	*9957.449	*11134.830 *
13.0	0.057	28.622	212.471	626.893	1994.549	*4460.270	*6512.733	*8574.405	*10222.454	*11371.886 *
11.0	0.058	29.385	214.859	636.844	2052.036	*4618.462	*6704.437	*8772.005	*10417.580	*11579.234 *
9.0	0.058	29.394	216.805	645.114	2099.705	*4750.710	*6864.574	*8937.219	*10567.529	*11754.688 *
7.0	0.058	29.403	218.309	651.689	2137.448	*4856.539	*6992.416	*9068.978	*10687.513	*11891.673 *
5.0	0.059	29.412	220.744	656.559	2165.184	*4935.578	*7087.387	*9166.410	*10776.301	*11989.719 *
3.0	0.059	29.421	220.484	661.647	2194.187	*4987.557	*7149.075	*9228.854	*10832.896	*12052.215 *
1.0	0.059	29.430	220.223	661.367	2191.719	*5012.326	*7177.254	*9255.894	*10856.568	*12078.523 *
0.0	0.059	29.434	220.093	661.227	2190.483	*5014.491	*7178.756	*9256.078	*10855.914	*12078.034 *
-1.0	0.059	29.434	220.203	661.359	2191.094	*5011.853	*7176.009	*9252.697	*10850.545	*12069.516 *
-3.0	0.059	29.425	220.422	661.623	2192.315	*4986.148	*7145.392	*9219.401	*10815.021	*12025.374 *
-5.0	0.059	29.419	220.641	656.516	2162.110	*4933.269	*7081.423	*9151.103	*10747.156	*11945.577 *
-7.0	0.058	29.413	218.169	651.626	2133.210	*4853.389	*6984.427	*9048.475	*10648.039	*11831.089 *
-9.0	0.058	29.406	216.628	645.027	2094.366	*4746.800	*6854.913	*8912.417	*10518.995	*11679.452 *
-11.0	0.058	29.400	214.646	636.728	2045.678	*4613.894	*6693.543	*8744.012	*10361.538	*11492.089 *
-13.0	0.057	28.639	212.226	626.743	1987.268	*4455.163	*6501.122	*8544.511	*10160.777	*11275.378 *
-15.0	0.057	28.385	209.370	615.089	1919.290	*4271.190	*6278.583	*8315.291	*9892.380	*11031.708 *
-17.0	0.056	28.096	206.079	601.785	1841.917	*4062.635	*6029.061	*8021.710	*9592.823	*10763.439 *
-19.5	0.056	27.686	201.360	582.870	1732.294	3802.879	*5685.378	*7608.828	*9177.779	*10393.275 *
-22.5	0.054	27.126	194.821	556.891	1582.388	3476.179	*5219.634	*7052.895	*8622.865	*9802.007 *
-25.5	0.053	26.492	187.342	527.425	1413.231	3110.618	*4699.521	*6436.475	*7953.557	*9108.549 *
-29.0	0.052	25.661	177.457	488.795	1192.743	2638.392	*4029.498	*5649.790	*7050.941	*8275.888 *
-33.0	0.049	24.596	164.675	439.280	1045.263	2112.366	*3331.735	*4684.007	*5946.336	*7019.716 *
-37.5	0.047	23.256	148.481	384.857	876.236	1676.500	2488.101	*3597.345	*4660.908	*5594.035 *
-42.5	0.043	21.601	128.363	335.726	670.106	1161.046	1775.910	*2472.261	*3296.561	*3978.746 *
-47.5	0.040	19.784	106.164	282.377	550.647	888.386	1157.213	1659.807	2081.260	*2595.047 *
-55.0	0.034	16.786	82.505	204.773	373.766	558.628	680.967	882.605	1043.820	1181.861
-65.0	0.025	12.359	48.365	113.117	207.202	287.690	349.498	411.712	473.603	526.210
-75.0	0.015	7.565	22.220	48.438	83.476	106.860	128.742	148.220	163.599	175.566
-85.0	0.005	2.547	7.473	12.057	16.232	19.063	20.763	22.299	23.531	24.664
-90.0	0.000	0.005	0.015	0.024	0.033	0.038	0.042	0.045	0.047	0.049

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Results derived from content of manufacturers photometric file.

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PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-90WF.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	0.052	0.053	0.054	0.055	0.055	0.056	0.056	0.056	0.057	0.057
85.0	25.991	26.566	27.068	27.427	27.677	27.892	28.600	28.572	28.544	28.516
75.0	189.721	196.455	202.178	206.172	208.860	211.098	212.886	214.227	215.124	216.918
65.0	575.656	599.133	619.642	634.328	644.425	652.998	659.996	665.371	669.078	671.074
55.0	1404.384	1566.938	1713.070	1821.342	*1898.703	*1967.528	*2027.553	*2078.528	*2120.226	*2152.441 *
47.5	3061.368	*3420.744	*3759.828	*4032.832	*4253.255	*4449.249	*4620.099	*4765.161	*4883.878	*4975.788 *
42.5	4653.877	*5169.279	*5644.967	*6005.519	*6271.447	*6510.488	*6718.432	*6894.426	*7037.748	*7147.832 *
37.5	6407.231	*7032.042	*7596.986	*8031.941	*8342.529	*8591.177	*8808.496	*8993.148	*9143.937	*9259.857 *
33.0	7976.754	*8647.087	*9222.168	*9657.114	*9978.462	*10266.605	*10481.285	*10649.609	*10788.390	*10896.281 *
29.0	9191.958	*9895.534	*10495.423	*10873.108	*1149.975	*1406.345	*1633.836	*1830.169	*1991.177	*2115.915 *
25.5	10157.330	*10794.105	*1347.229	*1769.122	*2070.969	*2347.752	*2600.795	*2821.304	*3006.279	*3152.894 *
22.5	10795.332	*1439.738	*2036.277	*2484.776	*2816.401	*3120.203	*3397.395	*3604.286	*3780.120	*3921.721 *
19.5	11348.056	*2034.888	*2665.943	*3159.041	*3494.081	*3770.893	*4023.621	*4259.401	*4462.544	*4628.053 *
17.0	11768.352	*2477.223	*3151.685	*3617.306	*3941.663	*4247.005	*4529.171	*4730.849	*4905.016	*5050.058 *
15.0	12061.528	*2800.561	*3475.172	*3927.800	*4274.727	*4588.481	*4816.245	*5022.869	*5212.946	*5375.587 *
13.0	12316.877	*3089.584	*3733.204	*4211.001	*4565.238	*4828.621	*5076.442	*5304.281	*5509.398	*5694.103 *
11.0	12539.922	*3334.257	*3958.172	*4462.410	*4764.274	*5046.576	*5315.669	*5568.179	*5796.069	*6001.466 *
9.0	12728.039	*3499.501	*4146.262	*4625.945	*4936.341	*5237.122	*5529.819	*5808.748	*6065.073	*6290.785 *
7.0	12878.807	*3632.016	*4298.131	*4748.456	*5073.014	*5393.758	*5711.276	*6016.294	*6301.530	*6536.511 *
5.0	12990.153	*3729.366	*4410.226	*4837.668	*5173.117	*5508.906	*5844.574	*6177.705	*6462.963	*6734.152 *
3.0	13060.486	*3789.600	*4462.938	*4890.491	*5232.541	*5576.463	*5921.609	*6254.337	*6553.132	*6857.565 *
1.0	13088.832	*3811.435	*4475.938	*4904.843	*5253.853	*5592.474	*5937.681	*6259.167	*6555.819	*6873.840 *
0.0	13087.142	*3807.771	*4469.754	*4897.315	*5239.364	*5580.765	*5922.166	*6236.674	*6524.289	*6811.903 *
-1.0	13077.296	*3797.488	*4458.855	*4883.873	*5228.832	*5561.402	*5898.339	*6208.251	*6487.310	*6773.928 *
-3.0	13026.151	*3748.068	*4412.278	*4828.464	*5158.805	*5485.578	*5807.333	*6107.740	*6359.969	*6589.096 *
-5.0	12933.808	*3661.154	*4327.589	*4737.097	*5054.224	*5364.618	*5665.357	*5951.402	*6174.543	*6357.896 *
-7.0	12801.714	*3538.550	*4185.501	*4613.136	*4914.221	*5205.143	*5480.544	*5731.806	*5947.683	*6096.515 *
-9.0	12631.852	*3382.616	*4006.320	*4460.493	*4743.873	*5012.004	*5261.397	*5484.814	*5673.238	*5836.457 *
-11.0	12426.599	*3196.077	*3793.925	*4272.331	*4545.964	*4793.597	*5020.636	*5220.372	*5385.173	*5648.573 *
-13.0	12188.583	*2933.906	*3550.032	*4001.107	*4328.131	*4556.488	*4763.156	*4943.109	*5124.630	*5420.281 *
-15.0	11920.548	*2633.012	*3278.498	*3703.373	*4023.316	*4304.847	*4493.478	*4655.913	*4899.564	*5162.748 *
-17.0	11620.624	*2302.471	*2946.384	*3383.260	*3681.182	*3956.124	*4203.793	*4397.693	*4648.985	*4882.627 *
-19.5	11201.248	*1854.979	*2455.699	*2919.723	*3229.210	*3477.971	*3699.674	*3991.832	*4263.848	*4505.803 *
-22.5	10653.000	*1263.337	*1826.287	*2247.541	*2555.432	*2833.857	*3138.812	*3399.210	*3634.643	*3841.152 *
-25.5	10023.896	*10626.917	*1146.844	*1540.749	*1820.773	*2104.748	*2400.494	*2668.381	*2905.027	*3107.043 *
-29.0	9078.729	*9746.896	*10311.938	*10663.853	*10936.005	*1224.924	*1489.937	*1728.332	*1934.558	*2106.646 *
-33.0	7890.819	*8532.595	*9075.191	*9491.346	*9831.310	*10141.966	*10385.429	*10586.937	*10761.654	*10907.658 *
-37.5	6350.436	*6953.727	*7496.064	*7946.409	*8274.097	*8540.490	*8778.311	*8985.979	*9162.010	*9305.063 *
-42.5	4629.435	*5131.455	*5609.237	*5983.666	*6262.273	*6515.733	*6739.981	*6933.939	*7096.633	*7227.224 *
-47.5	3056.122	*3417.456	*3770.954	*4055.927	*4285.153	*4491.404	*4673.795	*4831.504	*4963.774	*5069.935 *
-55.0	1393.326	1567.364	1726.367	1845.898	*1932.521	*2010.758	*2080.267	*2140.719	*2191.806	*2233.237 *
-65.0	563.522	590.872	615.878	634.721	648.370	660.661	671.511	680.838	688.564	694.610
-75.0	186.227	194.382	201.607	206.906	210.666	213.997	216.894	219.356	221.381	224.337
-85.0	26.071	27.228	28.335	29.213	29.885	30.528	31.723	32.114	32.505	32.896
-90.0	0.052	0.055	0.057	0.058	0.060	0.061	0.062	0.063	0.065	0.066

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	0.057	0.057	0.057	0.057	0.057	0.057	0.056	0.056	0.056	0.055
85.0	28.488	28.460	28.446	28.439	28.426	28.413	28.400	28.387	28.374	27.633
75.0	216.079	215.240	214.820	214.799	214.757	214.715	212.081	210.350	208.201	205.636
65.0	673.366	670.008	668.329	668.440	668.663	663.288	658.249	651.571	643.317	633.551

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CANDELA TABULATION - (Cont.)

55.0	2186.181	*2188.976	*2190.375	*2185.853	*2176.814	*2136.996	*2098.835	*2051.421	*1995.023	*1929.925 *
47.5	5040.527	*5077.848	*5086.179	*5070.127	*5017.528	*4937.996	*4832.095	*4700.494	*4543.945	*4363.277 *
42.5	7224.271	*7266.848	*7275.420	*7254.334	*7186.948	*7086.351	6953.182	6788.246	6592.483	6366.957 *
37.5	9340.104	*9384.117	*9392.433	*9366.202	*9286.630	*9171.629	*9022.275	*8839.850	*8625.797	*8381.694 *
33.0	10972.157	*11015.152	*11024.130	*10991.507	*10901.616	*10780.009	*10628.279	*10448.219	*10241.755	*9992.586 *
29.0	12204.802	*12256.483	*12268.066	*12226.628	*12115.697	*11968.917	*11788.474	*11575.336	*11331.786	*11062.090 *
25.5	13258.661	*13321.582	*13336.522	*13285.612	*13151.427	*12976.378	*12763.644	*12516.710	*12239.170	*11934.565 *
22.5	14026.196	*14091.169	*14108.293	*14048.873	*13900.192	*13714.593	*13495.939	*13248.299	*12975.687	*12662.615 *
19.5	14732.337	*14796.697	*14816.070	*14746.256	*14582.322	*14382.277	*14127.133	*13841.961	*13537.321	*13313.875 *
17.0	15161.808	*15236.615	*15259.292	*15177.384	*14986.078	*14763.422	*14515.919	*14249.570	*14050.648	*13802.004 *
15.0	15502.219	*15593.520	*15613.869	*15525.111	*15299.904	*15047.315	*14770.440	*14515.175	*14351.003	*14160.604 *
13.0	15840.213	*15940.296	*15971.146	*15859.682	*15602.813	*15312.132	*15000.138	*14813.176	*14630.638	*14421.558 *
11.0	16172.038	*16291.177	*16328.423	*16193.887	*15887.376	*15548.615	*15270.522	*15100.037	*14896.890	*14666.906 *
9.0	16484.973	*16625.599	*16672.307	*16506.105	*16136.696	*15742.008	*15566.538	*15370.682	*15143.708	*14892.329 *
7.0	16755.782	*16938.978	*17002.800	*16787.338	*16321.833	*16016.590	*15844.186	*15619.057	*15364.851	*15096.423 *
5.0	16990.475	*17255.113	*17333.292	*17046.361	*16443.665	*16293.503	*16083.332	*15838.817	*15567.289	*15278.084 *
3.0	17080.188	*17219.320	*17296.894	*17004.306	*16716.719	*16537.675	*16296.035	*16032.328	*15736.395	*15423.277 *
1.0	17034.056	*17188.300	*17260.497	*17067.037	*16916.590	*16761.330	*16461.257	*16169.803	*15856.932	*15524.937 *
0.0	16984.061	*17156.219	*17242.298	*17156.867	*16986.006	*16815.144	*16515.216	*16215.288	*15896.082	*15557.598 *
-1.0	16930.895	*17077.156	*17263.575	*17191.123	*17030.549	*16871.699	*16543.659	*16236.279	*15912.374	*15572.071 *
-3.0	16747.076	*17020.759	*17306.129	*17235.142	*17088.616	*16844.612	*16533.617	*16227.157	*15899.494	*15562.722 *
-5.0	16486.757	*17068.276	*17348.683	*17276.415	*17022.749	*16743.375	*16449.857	*16149.221	*15829.466	*15504.462 *
-7.0	16379.034	*16823.737	*17030.719	*16970.015	*16793.996	*16566.952	*16309.639	*16015.265	*15710.961	*15402.134 *
-9.0	16207.278	*16555.676	*16712.755	*16667.298	*16530.342	*16339.825	*16097.704	*15831.897	*15551.131	*15255.637 *
-11.0	15968.458	*16256.846	*16383.019	*16345.426	*16226.730	*16056.652	*15846.339	*15609.764	*15351.738	*15073.680 *
-13.0	15694.946	*15936.857	*16041.510	*16008.772	*15906.059	*15757.844	*15570.591	*15358.023	*15121.450	*14864.576 *
-15.0	15402.932	*15616.661	*15700.002	*15676.389	*15579.132	*15447.395	*15280.799	*15086.326	*14870.615	*14633.591 *
-17.0	15092.459	*15271.722	*15347.801	*15322.517	*15242.848	*15126.922	*14978.594	*14802.147	*14593.940	*14305.633 *
-19.5	14692.656	*14843.918	*14907.549	*14886.160	*14818.046	*14710.825	*14544.844	*14343.515	*14111.454	*13850.606 *
-22.5	14014.736	*14151.607	*14205.226	*14187.554	*14121.965	*14017.882	*13878.070	*13705.722	*13504.224	*13228.357 *
-25.5	13271.194	*13394.586	*13440.233	*13425.920	*13364.728	*13261.411	*13118.049	*12937.192	*12721.702	*12474.594 *
-29.0	12245.036	*12347.743	*12385.196	*12374.622	*12325.361	*12239.492	*12118.432	*11960.267	*11765.464	*11539.810 *
-33.0	11023.165	*11106.597	*11135.860	*11128.357	*11088.114	*11014.814	*10909.422	*10773.161	*10607.465	*10397.288 *
-37.5	9413.963	*9487.748	*9511.237	*9505.120	*9465.903	*9391.051	*9281.192	*9137.191	*8960.109	*8751.184 *
-42.5	7325.010	*7389.465	*7409.074	*7403.341	*7366.516	*7295.989	*7192.050	*7055.172	*6885.987	*6685.272 *
-47.5	5149.401	*5201.698	*5217.538	*5212.510	*5181.732	*5123.477	*5038.017	*4925.744	*4787.145	*4622.803 *
-55.0	2276.424	*2287.405	*2292.898	*2294.239	*2296.921	*2267.013	*2238.556	*2199.913	*2151.232	*2092.685 *
-65.0	701.033	701.605	701.891	703.822	707.684	705.649	703.954	700.515	695.391	688.645
-75.0	224.608	224.880	225.016	225.636	226.877	228.117	226.628	226.062	225.030	223.528
-85.0	33.287	33.678	33.873	33.874	33.875	33.877	33.878	33.880	33.881	33.012
-90.0	0.067	0.067	0.068	0.068	0.068	0.068	0.067	0.067	0.067	0.066

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	0.055	0.054	0.053	0.052	0.051	0.049	0.047	0.044	0.041	0.037
85.0	27.380	27.094	26.691	26.140	25.519	24.707	23.580	22.160	20.444	18.596
75.0	202.660	199.277	194.481	187.910	180.469	170.716	158.926	143.795	124.702	103.315
65.0	622.339	609.751	592.186	568.607	542.530	506.262	454.811	395.135	335.752	276.296
55.0	1856.435	*1774.871	*1662.067	1511.672	1346.497	1142.055	1006.967	849.778	654.388	536.237
47.5	4159.384	*3933.211	*3653.843	*3309.056	*2953.005	*2499.201	*1996.921	*1591.737	1110.529	851.041
42.5	6112.827	*5834.671	*5463.509	*4989.636	*4490.057	*3844.119	*3174.020	*2368.565	*1697.410	1110.968
37.5	8109.207	*7779.712	*7328.575	*6784.150	*6179.794	*5426.821	*4502.997	*3456.100	*2376.678	*1601.750
33.0	9674.044	*9326.636	*8902.642	*8348.789	*7700.166	*6829.797	*5760.025	*4513.657	*3189.318	*2026.670 *
29.0	10768.955	10495.847	10143.976	9571.589	*8889.939	*8068.043	*6847.162	*5456.242	*3877.588	*2548.329 *
25.5	11645.810	11364.966	10972.133	10452.213	9844.862	*8909.193	*7735.313	*6231.734	*4552.798	*3021.679 *

CANDELA TABULATION - (Cont.)

22.5	12382.758	12073.050	11648.992	11085.135	10473.669	9611.477	8402.203	6860.719	5079.625	3392.108
19.5	13061.141	12747.959	12281.026	11675.982	11019.982	10208.451	8984.910	7431.140	5554.228	3727.137
17.0	13523.316	13219.048	12774.136	12125.607	11438.767	10589.369	9424.269	7857.587	5906.945	3995.598
15.0	13875.357	13548.574	13111.501	12457.925	11747.017	10871.571	9741.827	8163.211	6166.231	4211.233
13.0	14191.049	13857.016	13392.353	12767.358	12031.734	11129.699	10027.001	8409.885	6399.783	4403.030
11.0	14416.771	14140.216	13652.198	13048.330	12286.858	11361.373	10242.094	8626.100	6603.846	4570.308
9.0	14621.542	14343.994	13889.074	13258.020	12509.620	11564.171	10413.409	8810.584	6777.461	4712.465
7.0	14812.938	14517.343	14091.874	13436.334	12697.346	11731.878	10556.604	8962.211	6919.789	4828.978
5.0	14975.458	14662.497	14256.686	13580.534	12847.596	11862.862	10670.118	9080.038	7030.127	4919.422
3.0	15103.162	14775.461	14361.929	13688.265	12958.310	11959.284	10752.571	9163.325	7107.924	4983.471
1.0	15196.742	14852.743	14428.713	13757.751	13027.944	12020.121	10802.815	9211.569	7152.802	5020.909
0.0	15219.114	14877.173	14449.746	13777.800	13047.046	12036.991	10815.574	9222.462	7162.826	5029.612
-1.0	15237.729	14887.889	14458.228	13783.412	13050.744	12039.946	10817.717	9222.808	7161.526	5027.517
-3.0	15224.334	14879.697	14449.677	13764.966	13026.468	12018.602	10796.952	9196.959	7134.013	5003.252
-5.0	15171.930	14832.395	14400.680	13707.458	12960.409	11961.205	10743.017	9135.819	7073.337	4952.245
-7.0	15077.514	14747.733	14290.633	13612.194	12853.689	11868.493	10656.461	9039.732	6979.719	4874.626
-9.0	14945.226	14628.590	14140.119	13481.160	12708.020	11736.185	10538.122	8909.293	6853.562	4770.641
-11.0	14781.926	14470.003	13952.754	13316.834	12525.571	11563.628	10389.091	8745.312	6695.431	4640.638
-13.0	14591.766	14227.631	13734.195	13077.778	12308.830	11357.970	10194.754	8548.801	6506.044	4485.068
-15.0	14312.000	13955.462	13487.718	12801.871	12060.460	11121.295	9931.607	8320.936	6286.250	4304.471
-17.0	13992.276	13657.965	13179.829	12496.058	11776.776	10855.784	9634.695	8031.536	6039.882	4099.468
-19.5	13564.404	13219.749	12716.656	12075.309	11366.561	10487.591	9219.121	7623.090	5702.523	3842.211
-22.5	12913.932	12572.702	12113.459	11495.649	10825.322	9908.531	8661.364	7070.895	5244.394	3517.623
-25.5	12195.413	11881.523	11439.224	10860.971	10201.038	9226.136	8010.047	6456.390	4731.816	3154.992
-29.0	11285.660	10998.454	10600.085	9982.703	9264.228	8403.714	7130.937	5691.651	4070.362	2687.274
-33.0	10118.224	9807.022	9363.826	8772.404	8084.187	7166.046	6046.892	4753.767	3383.187	2165.024
-37.5	8511.788	8208.745	7782.509	7196.192	6551.925	5753.038	4781.868	3687.818	2557.874	1724.688
-42.5	6453.936	6195.633	5843.044	5363.952	4826.936	4141.045	3425.395	2573.152	1846.533	1205.151
-47.5	4433.384	4219.628	3951.825	3615.481	3234.873	2745.629	2203.355	1749.890	1217.513	923.460
-55.0	2024.469	1946.804	1836.802	1686.524	1516.535	1283.684	1123.960	940.097	715.746	584.111
-65.0	680.342	670.548	656.313	636.489	613.901	577.216	517.632	447.337	374.966	304.767
-75.0	221.550	219.094	215.350	209.862	203.289	194.252	179.841	161.469	138.604	113.289
-85.0	32.727	32.401	31.939	31.304	30.583	29.636	27.883	25.642	23.071	20.447
-90.0	0.066	0.065	0.064	0.063	0.061	0.059	0.056	0.051	0.046	0.041

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	0.031	0.024	0.016	0.006	0.000
85.0	15.613	11.885	7.838	2.828	0.006
75.0	80.148	47.676	23.364	8.406	0.017
65.0	198.299	111.288	50.224	13.756	0.028
55.0	359.574	200.610	85.201	18.727	0.039
47.5	530.811	277.454	109.684	22.121	0.045
42.5	647.772	330.768	131.761	24.193	0.050
37.5	850.384	380.175	151.891	26.093	0.053
33.0	1018.547	435.096	168.207	27.645	0.056
29.0	1166.710	485.546	181.185	28.889	0.059
25.5	1386.204	525.404	191.307	29.868	0.061
22.5	1556.599	556.197	199.032	30.622	0.062
19.5	1709.550	583.732	205.858	31.295	0.063
17.0	1822.977	604.091	210.843	31.793	0.064
15.0	1904.142	618.632	214.364	32.149	0.065
13.0	1976.507	631.585	217.465	32.467	0.065
11.0	2039.823	642.914	220.142	33.360	0.066
9.0	2093.858	652.592	222.392	33.398	0.066

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CANDELA TABULATION - (Cont.)

7.0	2138.402	*660.589	224.212	33.435	0.067
5.0	2173.263	*666.882	226.956	33.473	0.067
3.0	2209.640	*673.430	227.046	33.511	0.067
1.0	2214.579	*674.493	227.136	33.568	0.067
0.0	2217.052	*675.025	227.181	33.568	0.067
-1.0	2218.394	*675.224	227.306	33.551	0.067
-3.0	2221.074	*675.620	227.555	33.517	0.067
-5.0	2192.035	*670.502	227.803	33.483	0.067
-7.0	2164.281	*665.611	225.380	33.449	0.067
-9.0	2126.450	*658.972	223.875	33.416	0.066
-11.0	2078.627	*650.595	221.927	33.382	0.066
-13.0	2020.924	*640.498	219.536	32.492	0.065
-15.0	1953.482	*628.699	216.703	32.178	0.065
-17.0	1876.466	*615.220	213.429	31.826	0.064
-19.5	1767.022	*596.048	208.718	31.332	0.063
-22.5	1616.924	569.707	202.167	30.663	0.062
-25.5	1447.116	539.832	194.650	29.913	0.061
-29.0	1225.271	500.668	184.680	28.938	0.059
-33.0	1074.824	450.484	171.745	27.698	0.056
-37.5	900.920	395.441	155.302	26.150	0.053
-42.5	687.570	345.811	134.804	24.251	0.050
-47.5	566.695	291.643	112.121	22.179	0.045
-55.0	387.497	212.147	87.144	18.782	0.039
-65.0	215.622	116.707	51.202	13.800	0.028
-75.0	85.910	49.413	23.623	8.435	0.017
-85.0	16.476	12.130	7.928	2.838	0.006
-90.0	0.033	0.024	0.016	0.006	0.000

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 13116.02
Total Field Lumens (one side of beam only) = 12334.74
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
85	0.37	0.74	0.74	0.74	0.73	0.72	0.71	0.69	0.68	0.82
75	1.35	2.70	2.69	2.67	2.64	2.60	2.55	2.50	2.44	2.95
65	4.35	8.69	8.61	8.46	8.29	8.08	7.83	7.54	7.22	8.52
55	8.30 *	16.52 *	16.31 *	15.98 *	15.57 *	15.06 *	14.47 *	13.79 *	13.03 *	15.15 *
47.5	9.40 *	18.70 *	18.47 *	18.12 *	17.67 *	17.11 *	16.45 *	15.70 *	14.86 *	17.32 *
42.5	12.68 *	25.23 *	24.96 *	24.55 *	24.01 *	23.35 *	22.57 *	21.68 *	20.67 *	24.27 *
37.5	13.98 *	27.83 *	27.56 *	27.16 *	26.64 *	26.02 *	25.27 *	24.38 *	23.35 *	27.60 *
33	14.18 *	28.21 *	27.94 *	27.55 *	27.06 *	26.46 *	25.75 *	24.91 *	23.99 *	28.61 *
29	13.63 *	27.12 *	26.84 *	26.44 *	25.94 *	25.34 *	24.65 *	23.89 *	23.09 *	27.67 *
25.5	12.52 *	24.91 *	24.64 *	24.27 *	23.81 *	23.26 *	22.63 *	21.94 *	21.22 *	25.41 *
22.5	13.20 *	26.24 *	25.95 *	25.56 *	25.07 *	24.50 *	23.87 *	23.19 *	22.45 *	26.87 *
19.5	11.43 *	22.72 *	22.46 *	22.12 *	21.70 *	21.23 *	20.72 *	20.16 *	19.54 *	23.42 *
17	9.39 *	18.64 *	18.41 *	18.12 *	17.78 *	17.44 *	17.06 *	16.61 *	16.09 *	19.31 *
15	9.60 *	19.05 *	18.79 *	18.47 *	18.12 *	17.78 *	17.41 *	16.98 *	16.46 *	19.75 *
13	9.81 *	19.45 *	19.15 *	18.80 *	18.45 *	18.10 *	17.71 *	17.28 *	16.78 *	20.14 *
11	10.02 *	19.83 *	19.49 *	19.13 *	18.78 *	18.41 *	17.99 *	17.52 *	17.03 *	20.47 *
9	10.22 *	20.18 *	19.79 *	19.44 *	19.09 *	18.68 *	18.23 *	17.74 *	17.23 *	20.73 *
7	10.41 *	20.48 *	20.07 *	19.73 *	19.36 *	18.92 *	18.44 *	17.93 *	17.39 *	20.94 *
5	10.49 *	20.66 *	20.31 *	19.97 *	19.56 *	19.10 *	18.60 *	18.07 *	17.52 *	21.09 *
3	10.48 *	20.73 *	20.48 *	20.13 *	19.69 *	19.22 *	18.71 *	18.16 *	17.60 *	21.18 *
1	5.24 *	10.39 *	10.27 *	10.10 *	9.87 *	9.64 *	9.38 *	9.10 *	8.82 *	10.61 *
0	5.24 *	10.39 *	10.27 *	10.10 *	9.88 *	9.64 *	9.38 *	9.10 *	8.82 *	10.61 *
-1	10.48 *	20.75 *	20.49 *	20.15 *	19.71 *	19.24 *	18.73 *	18.18 *	17.62 *	21.20 *

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LUMENS TABULATION - (Cont.)

-3	10.50 *	20.69 *	20.34 *	20.00 *	19.60 *	19.14 *	18.64 *	18.11 *	17.55 *	21.13 *
-5	10.42 *	20.52 *	20.12 *	19.79 *	19.41 *	18.98 *	18.50 *	17.98 *	17.44 *	21.00 *
-7	10.24 *	20.23 *	19.86 *	19.52 *	19.17 *	18.76 *	18.31 *	17.82 *	17.29 *	20.80 *
-9	10.05 *	19.90 *	19.57 *	19.22 *	18.87 *	18.50 *	18.07 *	17.61 *	17.11 *	20.56 *
-11	9.85 *	19.54 *	19.25 *	18.90 *	18.56 *	18.21 *	17.81 *	17.37 *	16.87 *	20.25 *
-13	9.65 *	19.15 *	18.90 *	18.58 *	18.24 *	17.89 *	17.52 *	17.09 *	16.56 *	19.88 *
-15	9.44 *	18.75 *	18.53 *	18.24 *	17.91 *	17.56 *	17.19 *	16.73 *	16.21 *	19.45 *
-17	11.50 *	22.86 *	22.61 *	22.28 *	21.86 *	21.40 *	20.89 *	20.33 *	19.70 *	23.61 *
-19.5	13.28 *	26.42 *	26.14 *	25.76 *	25.28 *	24.72 *	24.10 *	23.42 *	22.67 *	27.14 *
-22.5	12.62 *	25.10 *	24.84 *	24.48 *	24.04 *	23.51 *	22.88 *	22.19 *	21.46 *	25.70 *
-25.5	13.75 *	27.37 *	27.10 *	26.72 *	26.23 *	25.64 *	24.95 *	24.20 *	23.40 *	28.03 *
-29	14.32 *	28.51 *	28.24 *	27.87 *	27.38 *	26.79 *	26.09 *	25.26 *	24.34 *	29.04 *
-33	14.14 *	28.16 *	27.90 *	27.51 *	27.01 *	26.40 *	25.66 *	24.79 *	23.78 *	28.14 *
-37.5	12.87 *	25.63 *	25.37 *	24.97 *	24.45 *	23.80 *	23.04 *	22.16 *	21.17 *	24.89 *
-42.5	9.61 *	19.11 *	18.89 *	18.56 *	18.11 *	17.56 *	16.91 *	16.16 *	15.33 *	17.91 *
-47.5	8.57 *	17.07 *	16.86 *	16.54 *	16.14 *	15.63 *	15.03 *	14.35 *	13.58 *	15.83 *
-55	4.56	9.11	9.03	8.88	8.71	8.49	8.23	7.93	7.60	8.98
-65	1.41	2.83	2.82	2.80	2.77	2.73	2.68	2.62	2.56	3.09
-75	0.39	0.79	0.79	0.78	0.77	0.76	0.75	0.74	0.72	0.87
-85	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06
-90										
Total	404.03	801.99	791.93	779.25	764.03	746.45	726.42	704.02	679.31	811.06

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.03
85	0.95	0.90	0.97	1.01	1.00	0.93	0.74	0.80	0.60	0.23
75	3.37	3.17	3.42	3.48	3.32	3.00	2.32	2.41	1.70	0.60
65	9.42	8.47	8.59	8.34	7.78	6.70	4.98	5.02	3.37	1.17
55	16.47 *	14.54 *	14.40 *	13.31	11.71	9.44	6.53	6.25	3.97	1.32

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LUMENS TABULATION - (Cont.)

47.5	18.88 *	16.72 *	16.64 *	15.34 *	13.07 *	10.13	6.60	5.75	3.45	1.11
42.5	26.66 *	23.85 *	24.06 *	22.55 *	19.30 *	14.80 *	9.40	7.71	4.26	1.30
37.5	30.64 *	27.74 *	28.38 *	26.95 *	23.42 *	18.18 *	11.44 *	9.05	4.66	1.33
33	32.09 *	29.31 *	30.37 *	29.24 *	25.75 *	20.29 *	12.82 *	9.87	4.79	1.32
29	31.23 *	28.78 *	30.11 *	29.34 *	26.20 *	20.92 *	13.44 *	10.33 *	4.80	1.26
25.5	28.72 *	26.62 *	28.04 *	27.59 *	24.95 *	20.21 *	13.16 *	10.17 *	4.63	1.15
22.5	30.35 *	28.13 *	29.80 *	29.58 *	27.00 *	22.12 *	14.53 *	11.26 *	5.07	1.20
19.5	26.44 *	24.49 *	25.99 *	25.94 *	23.88 *	19.75 *	13.05 *	10.15 *	4.51	1.04
17	21.83 *	20.22 *	21.44 *	21.47 *	19.92 *	16.57 *	11.02 *	8.59 *	3.78	0.85
15	22.36 *	20.72 *	21.95 *	22.05 *	20.55 *	17.16 *	11.50 *	8.99 *	3.92	0.87
13	22.81 *	21.16 *	22.42 *	22.54 *	21.07 *	17.67 *	11.92 *	9.33 *	4.03	0.89
11	23.20 *	21.54 *	22.82 *	22.95 *	21.48 *	18.11 *	12.27 *	9.62 *	4.13	0.90
9	23.51 *	21.84 *	23.16 *	23.28 *	21.82 *	18.47 *	12.57 *	9.87 *	4.21	0.91
7	23.77 *	22.08 *	23.43 *	23.54 *	22.09 *	18.75 *	12.80 *	10.06 *	4.28	0.92
5	23.95 *	22.26 *	23.63 *	23.73 *	22.29 *	18.96 *	12.97 *	10.21 *	4.34	0.92
3	24.05 *	22.37 *	23.75 *	23.85 *	22.41 *	19.08 *	13.08 *	10.29 *	4.37	0.93
1	12.05 *	11.21 *	11.90 *	11.95 *	11.23 *	9.57 *	6.56 *	5.16 *	2.18	0.46
0	12.05 *	11.21 *	11.90 *	11.95 *	11.23 *	9.57 *	6.56 *	5.16 *	2.18	0.46
-1	24.07 *	22.39 *	23.77 *	23.87 *	22.43 *	19.10 *	13.09 *	10.31 *	4.37	0.93
-3	23.99 *	22.29 *	23.67 *	23.77 *	22.33 *	18.99 *	13.00 *	10.23 *	4.35	0.93
-5	23.83 *	22.14 *	23.49 *	23.60 *	22.15 *	18.81 *	12.85 *	10.10 *	4.30	0.92
-7	23.59 *	21.91 *	23.24 *	23.36 *	21.90 *	18.54 *	12.63 *	9.92 *	4.24	0.91
-9	23.30 *	21.63 *	22.93 *	23.05 *	21.58 *	18.20 *	12.35 *	9.69 *	4.16	0.90
-11	22.94 *	21.28 *	22.54 *	22.66 *	21.18 *	17.78 *	12.00 *	9.41 *	4.06	0.89
-13	22.50 *	20.85 *	22.10 *	22.18 *	20.68 *	17.29 *	11.60 *	9.07 *	3.95	0.88
-15	21.99 *	20.37 *	21.60 *	21.62 *	20.07 *	16.72 *	11.14 *	8.69 *	3.82	0.86
-17	26.67 *	24.70 *	26.20 *	26.15 *	24.10 *	19.95 *	13.21 *	10.28 *	4.57	1.05
-19.5	30.65 *	28.40 *	30.08 *	29.87 *	27.29 *	22.40 *	14.73 *	11.43 *	5.14	1.21

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LUMENS TABULATION - (Cont.)

-22.5	29.04 *	26.91 *	28.34 *	27.92 *	25.29 *	20.52 *	13.39 *	10.35 *	4.71	1.16
-25.5	31.62 *	29.14 *	30.51 *	29.77 *	26.63 *	21.31 *	13.72 *	10.55 *	4.88	1.28
-29	32.58 *	29.78 *	30.89 *	29.78 *	26.27 *	20.76 *	13.14 *	10.10 *	4.88	1.34
-33	31.27 *	28.33 *	29.00 *	27.59 *	24.02 *	18.69 *	11.77 *	9.30	4.76	1.35
-37.5	27.39 *	24.52 *	24.77 *	23.25 *	19.93 *	15.31 *	9.71 *	7.95	4.37	1.32
-42.5	19.57 *	17.36 *	17.30 *	15.97 *	13.61 *	10.54 *	6.85	5.94	3.55	1.13
-47.5	17.25 *	15.25 *	15.11 *	13.96 *	12.26	9.85	6.79	6.47	4.09	1.35
-55	9.93	8.94	9.07	8.78	8.17	7.00	5.19	5.21	3.48	1.19
-65	3.54	3.34	3.60	3.67	3.50	3.15	2.43	2.51	1.75	0.62
-75	1.00	0.95	1.03	1.07	1.05	0.98	0.77	0.82	0.62	0.24
-85	0.06	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.05	0.03
-90										
Total	911.63	837.90	876.52	861.96	786.08	646.39	430.74	344.53	163.39	41.64

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	0.01	0.00	0.97
85	0.05	0.00	15.12
75	0.12	0.00	51.99
65	0.22	0.01	141.65
55	0.23	0.00	242.36
47.5	0.19	0.00	271.67
42.5	0.22	0.00	378.06
37.5	0.22	0.00	431.80
33	0.21	0.00	450.72
29	0.20	0.00	441.22
25.5	0.18	0.00	410.03
22.5	0.18	0.00	436.12
19.5	0.16	0.00	380.90
17	0.13	0.00	314.70

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LUMENS TABULATION - (Cont.)

15			
	0.13	0.00	322.60
13			
	0.13	0.00	329.65
11			
	0.13	0.00	335.83
9			
	0.13	0.00	341.11
7			
	0.13	0.00	345.51
5			
	0.13	0.00	348.75
3			
	0.13	0.00	350.70
1			
	0.07	0.00	175.74
0			
	0.07	0.00	175.78
-1			
	0.13	0.00	351.02
-3			
	0.14	0.00	349.39
-5			
	0.13	0.00	346.48
-7			
	0.13	0.00	342.39
-9			
	0.13	0.00	337.38
-11			
	0.13	0.00	331.47
-13			
	0.13	0.00	324.68
-15			
	0.13	0.00	317.02
-17			
	0.16	0.00	384.09
-19.5			
	0.18	0.00	440.34
-22.5			
	0.18	0.00	414.62
-25.5			
	0.20	0.00	446.97
-29			
	0.21	0.00	457.58
-33			
	0.22	0.00	439.81
-37.5			
	0.22	0.00	387.12
-42.5			
	0.19	0.00	280.16
-47.5			
	0.23	0.00	252.23
-55			
	0.22	0.01	148.72
-65			
	0.12	0.00	54.52

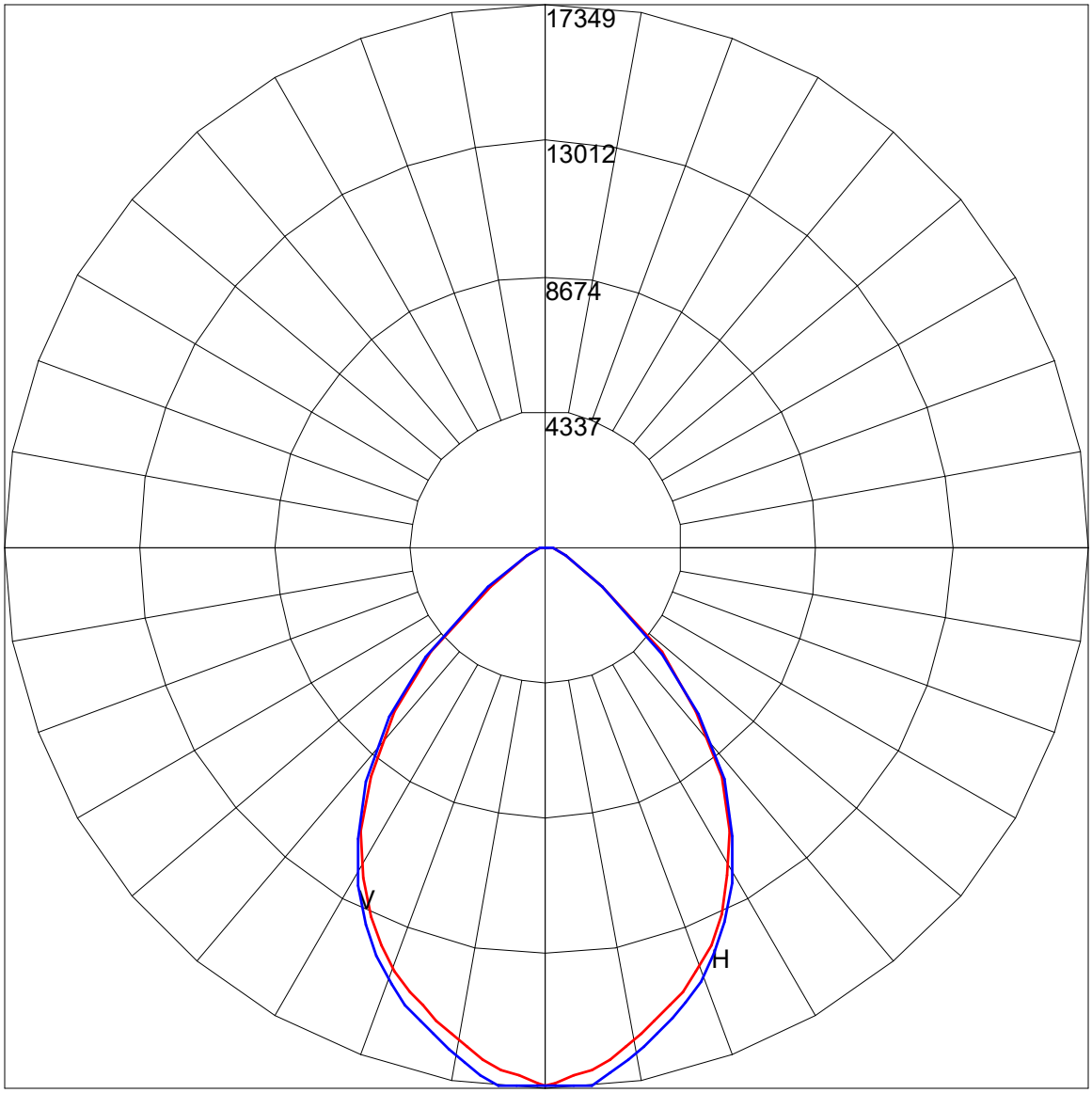
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LUMENS TABULATION - (Cont.)

-75			
	0.05	0.00	15.95
-85			
	0.01	0.00	1.08
-90			
Total	6.61	0.12	13116.01

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-90WF.IES

AXIAL CANDELA DISPLAY

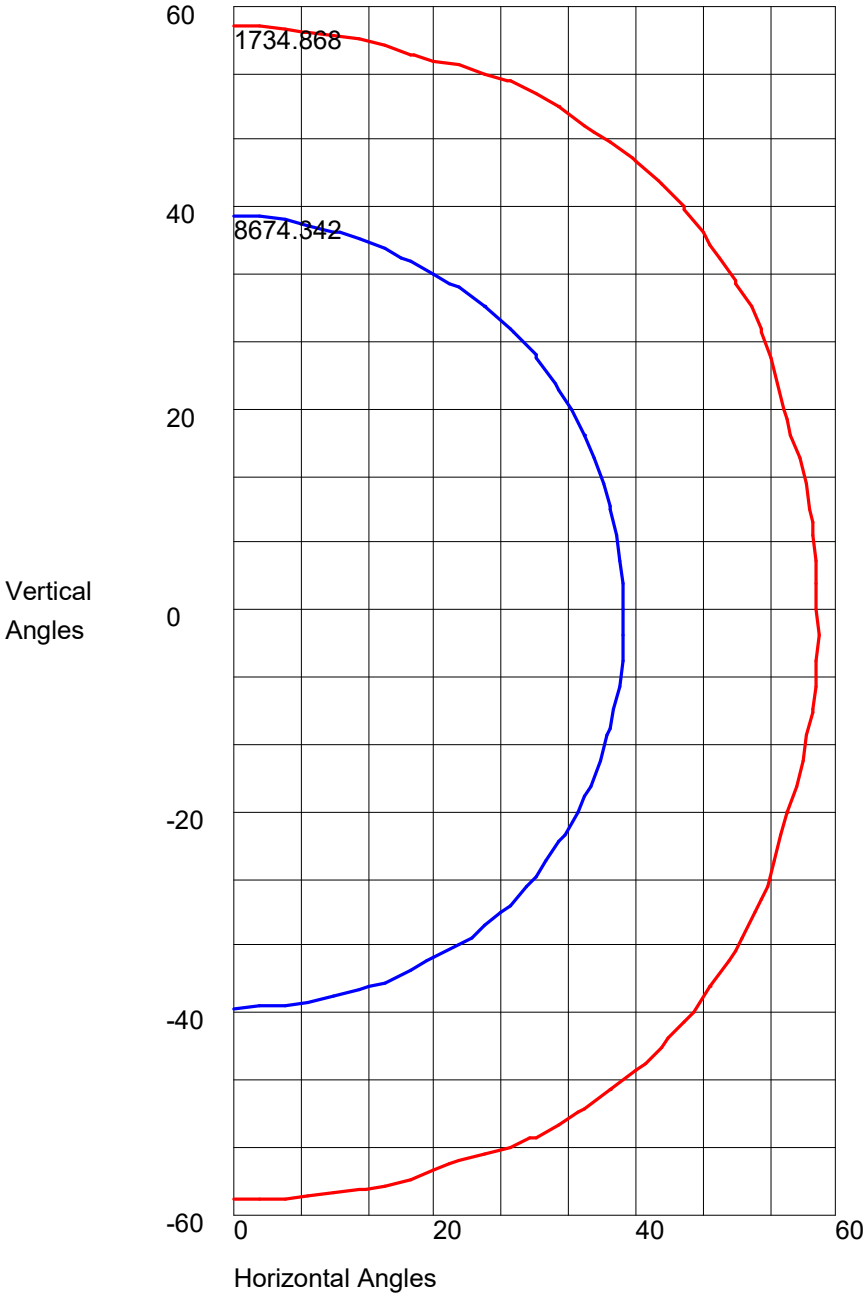


Maximum Candela = 17348.683 Located At Horizontal Angle = 0, Vertical Angle =-5
H - Horizontal Axial Candela
V - Vertical Axial Candela

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAU-LTL-200W-LED-90WF.IES

ISOCANDELA CURVES



Maximum Candela = 17348.683 Located At Horizontal Angle = 0, Vertical Angle =-5
50% Maximum Candela = 8674.3415
10% Maximum Candela = 1734.8683