



IES FLOOD REPORT

PHOTOMETRIC FILENAME : MILGCOWPKSR-LED135DMVBZ50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 08 May 2017

[ISSUE DATE] 2017-05-12 17:41:44

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] MOBERN LIGHTING CO.

[LUMCAT] MILGCOWPKSR-LED135DMVBZ50

[BALLAST] 120-277V,60Hz

[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	417.81	417.81	2.82	2.82
[OTHER] 10- 20	1225.45	1643.26	11.08	11.08
[OTHER] 20- 30	1933.78	3577.04	24.11	24.11
[OTHER] 30- 40	2516.78	6093.82	41.08	41.08
[OTHER] 40- 50	2903.59	8997.41	60.66	60.66
[OTHER] 50- 60	2912.71	11910.12	80.29	80.29
[OTHER] 60- 70	2093.05	14003.18	94.40	94.40
[OTHER] 70- 80	735.84	14739.02	99.36	99.36
[OTHER] 80- 90	62.64	14801.66	99.78	99.78
[OTHER] 90-100	1.97	14803.63	99.80	99.80
[OTHER] 100-110	3.40	14807.03	99.82	99.82
[OTHER] 110-120	5.26	14812.29	99.86	99.86
[OTHER] 120-130	5.77	14818.06	99.89	99.89
[OTHER] 130-140	5.21	14823.27	99.93	99.93
[OTHER] 140-150	4.31	14827.58	99.96	99.96
[OTHER] 150-160	3.27	14830.84	99.98	99.98
[OTHER] 160-170	2.06	14832.90	99.99	99.99
[OTHER] 170-180	0.80	14833.71	100.00	100.00
[OTHER]				

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

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CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	5348.93
Maximum Candela Angle	0H 29V
Horizontal Beam Angle (50%)	132.0
Vertical Beam Angle (50%)	86.3
Horizontal Field Angle (10%)	159.8
Vertical Field Angle (10%)	139.2
Lumens Per Lamp	14834 (1 lamp)
Total Lamp Lumens	14834
Beam Lumens	11739
Beam Efficiency	79 %
Field Lumens	14526
Field Efficiency	98 %
Spill Lumens	250
Luminaire Lumens	14776
Total Efficiency	100 %
Total Luminaire Watts	137.8
Ballast Factor	0.99

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	2.13	90	1.21
85	20.05	85	3.33
75	1013.8	75	265.77
65	2681.13	65	1682.11
55	3378.45	55	4613.97
47.5	3853.355	47.5	5103.23
42.5	4033.995	42.5	5219.955
37.5	4143.27	37.5	5274.54
33	4204.33	33	5324.94
29	4232.39	29	5348.93
25.5	4271.775	25.5	5286.235
22.5	4321.34	22.5	5237.83
19.5	4372.43	19.5	5213.925
17	4396.44	17	5164.89
15	4414.77	15	5128.3
13	4431.98	13	5058.11
11	4436.1	11	4972.92
9	4407.79	9	4891.98
7	4404.3	7	4785.03
5	4396.19	5	4699.63
3	4390.24	3	4563.79
1	4377.37	1	4464.53
0	4380.775	0	4380.775
-1	4369.12	-1	4346.16
-3	4357.65	-3	4220.05
-5	4372.01	-5	4087.37
-7	4354.28	-7	3957.57
-9	4368.68	-9	3824.13
-11	4387.03	-11	3674.42
-13	4389.13	-13	3524.51
-15	4414.8	-15	3388.88
-17	4425.91	-17	3246.06
-19.5	4407.785	-19.5	3078.98
-22.5	4365.775	-22.5	2828.57
-25.5	4290.96	-25.5	2621.4
-29	4222.19	-29	2394.45
-33	4149.17	-33	2175.68
-37.5	4152	-37.5	1953.01
-42.5	4044.655	-42.5	1677.74
-47.5	3931.305	-47.5	1409.175
-55	3504.9	-55	1107.57
-65	2885.34	-65	579.92
-75	1416.99	-75	159.15
-85	133.7	-85	15.91
-90	3.221	-90	2.426

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CANDELA TABULATION

Maximum Candela = 5348.93
 Beam Edge = 2674.465 Cd (50% of Max.)
 Field Edge = 534.893 Cd (10% of Max.)
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	3.209	2.781	1.920	1.914	1.741	1.486	1.379	1.336	1.297	1.292
85.0	3.210	3.104	2.480	3.452	3.932	4.763	4.880	4.876	4.983	4.764
75.0	3.212	5.218	19.662	113.078	206.143	249.390	260.014	283.872	289.927	280.520
65.0	3.214	11.454	159.077	545.936 *	1056.246	*1393.660	*1485.580	*1670.930	*1758.368	*1793.196 *
55.0	3.216	26.189	417.932	1363.657	*2827.896	*3346.454	*3778.668	*4160.750	*4313.668	*4454.374 *
47.5	3.217	42.575	635.555 *	2031.058	*3506.512	*4184.262	*4523.451	*4833.464	*4962.909	*4962.173 *
42.5	3.218	54.240	790.024 *	2397.222	*3786.217	*4446.738	*4746.902	*4937.240	*5046.517	*5099.667 *
37.5	3.219	66.599	957.284 *	2642.887	*3951.170	*4592.355	*4864.648	*5052.877	*5149.053	*5233.866 *
33.0	3.219	77.768	1088.144	*2841.013	*4028.639	*4587.580	*4980.368	*5100.331	*5199.814	*5276.530 *
29.0	3.220	88.389	1185.940	*2959.568	*4083.703	*4636.645	*4959.336	*5088.890	*5187.713	*5262.889 *
25.5	3.220	96.926	1258.399	*3028.039	*4072.796	*4631.173	*4933.858	*5092.728	*5163.283	*5227.283 *
22.5	3.220	103.645	1310.053	*3069.882	*4059.127	*4629.018	*4870.440	*5016.320	*5159.963	*5180.719 *
19.5	3.220	109.783	1351.808	*3081.510	*4038.567	*4618.772	*4795.642	*4954.945	*5078.540	*5126.400 *
17.0	3.221	114.433	1379.526	*3083.948	*3998.579	*4605.622	*4755.682	*4903.865	*4991.988	*5079.842 *
15.0	3.221	117.839	1397.492	*3078.663	*3954.912	*4546.196	*4717.938	*4872.099	*4923.544	*5006.152 *
13.0	3.221	120.956	1411.742	*3065.996	*3908.926	*4477.804	*4656.250	*4805.102	*4853.382	*4936.058 *
11.0	3.221	128.754	1422.314	*3048.703	*3850.537	*4400.704	*4559.317	*4719.771	*4795.457	*4870.306 *
9.0	3.221	129.645	1429.252	*3027.087	*3791.790	*4320.273	*4463.383	*4619.961	*4719.866	*4801.366 *
7.0	3.221	130.541	1432.604	*3001.467	*3731.573	*4235.250	*4369.384	*4519.542	*4593.146	*4678.798 *
5.0	3.221	131.440	1442.842	*2972.188	*3669.589	*4148.328	*4280.258	*4416.458	*4465.983	*4543.302 *
3.0	3.221	132.343	1432.515	*2942.442	*3608.457	*4061.824	*4188.252	*4311.680	*4339.165	*4413.560 *
1.0	3.221	133.248	1422.168	*2904.385	*3539.447	*3975.033	*4093.278	*4205.459	*4212.499	*4286.450 *
0.0	3.221	133.700	1416.990	*2885.340	*3504.900	*3931.305	*4044.655	*4152.000	*4149.170	*4222.190 *
-1.0	3.221	133.700	1408.424	*2861.533	*3474.313	*3892.493	*4002.217	*4104.318	*4101.727	*4168.285 *
-3.0	3.221	132.877	1391.303	*2813.961	*3413.211	*3813.907	*3915.147	*4008.494	*4006.744	*4057.230 *
-5.0	3.221	132.329	1374.219	*2758.702	*3343.240	*3734.153	*3825.351	*3911.934	*3911.927	*3944.458 *
-7.0	3.221	131.783	1337.708	*2703.645	*3273.828	*3653.371	*3733.073	*3815.245	*3817.426	*3830.264 *
-9.0	3.221	131.239	1308.341	*2645.975	*3201.808	*3571.350	*3642.506	*3713.292	*3723.961	*3720.262 *
-11.0	3.221	130.698	1276.201	*2585.638	*3127.263	*3487.246	*3551.134	*3611.365	*3627.711	*3623.561 *
-13.0	3.221	123.272	1241.413	*2522.589	*3051.641	*3400.911	*3460.879	*3518.742	*3537.721	*3528.185 *
-15.0	3.221	120.513	1204.095	*2456.790	*2969.872	*3313.825	*3380.930	*3434.702	*3448.925	*3433.213 *
-17.0	3.221	117.465	1164.369	*2386.417	*2887.585	*3227.166	*3305.892	*3346.231	*3355.061	*3338.138 *
-19.5	3.221	113.262	1111.515	*2293.736	*2781.647	*3130.297	*3197.842	*3236.233	*3238.172	*3224.332 *
-22.5	3.221	107.662	1045.833	*2179.776	*2649.300	*3007.853	*3071.885	*3096.984	*3100.673	*3099.381 *
-25.5	3.220	101.482	978.138 *	2055.015	*2526.892	*2867.353	*2938.992	*2966.284	*2977.499	*2965.545 *
-29.0	3.220	93.575	895.343 *	1908.306	*2372.541	*2688.309	*2778.837	*2820.066	*2821.065	*2815.870 *
-33.0	3.220	83.672	802.954 *	1734.874	*2170.039	*2479.708	*2591.276	*2636.358	*2641.188	*2625.191 *
-37.5	3.219	73.292	696.120 *	1531.921	*1910.833	*2198.038	*2336.265	*2406.185	*2429.715	*2400.656 *
-42.5	3.218	60.816	571.252 *	1306.304	*1607.456	*1862.054	*1998.317	*2044.511	*2101.754	*2084.418 *
-47.5	3.218	48.843	447.690	1049.255	*1324.692	*1501.694	*1651.339	*1680.457	*1712.738	*1721.363 *
-55.0	3.217	31.378	306.019	675.033 *	913.963 *	1064.086	*1152.223	*1217.049	*1257.697	*1266.147 *
-65.0	3.215	13.799	146.340	314.082	443.823	520.713	540.619 *	583.073 *	598.039 *	595.186 *
-75.0	3.213	6.481	49.682	85.457	128.958	155.435	165.417	176.453	181.111	181.862
-85.0	3.211	3.848	6.405	8.723	10.544	13.417	14.884	15.434	15.494	15.593
-90.0	3.210	3.328	3.563	3.303	2.863	2.399	2.073	1.729	1.420	1.236

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	1.364	1.426	1.488	1.540	1.581	1.532	1.482	1.433	1.383	1.334
85.0	4.859	4.829	4.704	4.534	4.350	4.293	4.434	4.233	4.033	3.832
75.0	290.698	293.749	293.415	291.095	287.010	286.878	287.140	286.020	283.587	283.170
65.0	1826.845	*1844.007	*1845.129	*1821.174	*1787.077	*1770.503	*1792.680	*1800.802	*1795.533	*1777.580 *
55.0	4587.091	*4568.389	*4533.545	*4496.086	*4462.912	*4434.339	*4446.783	*4485.462	*4521.420	*4553.837 *
47.5	4992.452	*5059.073	*4994.985	*4942.725	*4933.300	*4925.236	*4917.470	*4959.468	*4995.731	*5028.152 *
42.5	5115.893	*5122.947	*5094.644	*5082.205	*5077.162	*5082.562	*5082.213	*5099.290	*5128.904	*5158.526 *
37.5	5183.319	*5189.933	*5162.340	*5169.007	*5173.595	*5185.187	*5193.461	*5192.167	*5207.299	*5228.764 *
33.0	5265.873	*5242.894	*5226.624	*5209.502	*5230.202	*5247.673	*5261.864	*5244.815	*5258.169	*5281.330 *
29.0	5293.281	*5284.158	*5274.408	*5268.381	*5261.330	*5266.572	*5274.639	*5306.581	*5314.587	*5314.550 *
25.5	5260.000	*5282.498	*5273.994	*5267.093	*5274.259	*5280.746	*5286.372	*5301.234	*5289.775	*5283.880 *
22.5	5216.988	*5254.937	*5262.630	*5254.317	*5270.158	*5285.083	*5256.683	*5276.351	*5275.562	*5265.135 *
19.5	5171.088	*5201.410	*5212.947	*5222.139	*5228.556	*5231.341	*5247.316	*5227.942	*5213.570	*5185.618 *
17.0	5138.983	*5133.025	*5150.631	*5187.975	*5182.017	*5173.359	*5180.929	*5169.275	*5161.664	*5166.251 *
15.0	5079.122	*5101.526	*5127.711	*5120.848	*5123.693	*5137.235	*5123.909	*5108.675	*5105.123	*5101.979 *
13.0	4993.176	*5016.166	*5060.491	*5063.069	*5072.510	*5095.773	*5090.322	*5060.203	*5049.375	*5047.249 *
11.0	4931.981	*4981.041	*4987.000	*4998.240	*5010.515	*5021.164	*5016.878	*4985.252	*4981.292	*4952.674 *
9.0	4872.400	*4885.410	*4911.396	*4929.997	*4929.967	*4933.671	*4913.012	*4922.784	*4898.448	*4876.636 *
7.0	4777.278	*4784.965	*4834.499	*4862.002	*4843.096	*4846.714	*4831.325	*4818.293	*4815.180	*4788.273 *
5.0	4632.330	*4671.610	*4748.359	*4774.576	*4775.441	*4752.537	*4752.472	*4715.343	*4706.275	*4680.848 *
3.0	4499.945	*4552.186	*4616.866	*4628.583	*4642.935	*4647.957	*4651.537	*4624.609	*4603.995	*4582.132 *
1.0	4361.985	*4428.839	*4478.615	*4491.290	*4488.716	*4474.758	*4474.489	*4462.213	*4454.598	*4453.161 *
0.0	4290.960	*4365.775	*4407.785	*4425.910	*4414.800	*4389.130	*4387.030	*4368.680	*4354.280	*4372.010 *
-1.0	4230.423	*4297.892	*4335.425	*4351.663	*4343.378	*4328.492	*4323.818	*4306.650	*4303.422	*4313.497 *
-3.0	4107.069	*4160.323	*4189.285	*4198.461	*4199.776	*4203.917	*4199.410	*4189.672	*4194.703	*4195.870 *
-5.0	3983.457	*4021.887	*4040.554	*4040.748	*4056.248	*4063.184	*4072.220	*4069.406	*4067.991	*4063.787 *
-7.0	3859.671	*3879.870	*3899.504	*3902.455	*3905.072	*3911.459	*3919.391	*3925.267	*3911.511	*3918.951 *
-9.0	3744.338	*3750.190	*3762.669	*3756.624	*3754.480	*3763.276	*3773.073	*3773.881	*3776.168	*3775.535 *
-11.0	3635.229	*3632.675	*3627.641	*3615.331	*3621.705	*3625.212	*3618.863	*3630.061	*3635.552	*3647.385 *
-13.0	3526.302	*3510.624	*3501.019	*3490.509	*3484.717	*3473.263	*3490.991	*3487.754	*3490.100	*3511.982 *
-15.0	3420.244	*3404.536	*3386.443	*3367.226	*3346.723	*3347.863	*3346.384	*3345.773	*3358.159	*3371.546 *
-17.0	3321.939	*3303.303	*3274.539	*3248.975	*3229.556	*3217.131	*3209.641	*3206.240	*3220.143	*3221.864 *
-19.5	3208.826	*3180.369	*3142.927	*3112.731	*3093.459	*3070.239	*3046.103	*3048.844	*3049.714	*3042.209 *
-22.5	3076.394	*3043.687	*2999.188	*2967.015	*2934.377	*2900.823	*2877.248	*2865.251	*2853.721	*2849.647 *
-25.5	2940.245	*2910.919	*2868.690	*2825.060	*2788.039	*2753.569	*2724.251	*2691.949	*2658.525	*2651.297 *
-29.0	2783.366	*2750.508	*2703.917	*2661.829	*2624.620	*2583.649	*2536.572	*2490.016	*2452.103	*2446.190 *
-33.0	2595.697	*2551.194	*2506.377	*2462.113	*2423.203	*2381.874	*2337.449	*2292.186	*2259.872	*2241.274 *
-37.5	2370.082	*2335.114	*2282.804	*2234.765	*2193.548	*2150.615	*2103.886	*2056.868	*2042.876	*2021.009 *
-42.5	2031.317	*1998.576	*1964.270	*1925.920	*1883.716	*1842.150	*1784.443	*1761.511	*1752.565	*1737.974 *
-47.5	1690.370	*1638.060	*1612.155	*1582.961	*1553.241	*1516.396	*1474.953	*1467.943	*1459.306	*1448.768 *
-55.0	1259.094	*1248.569	*1230.207	*1207.920	*1185.272	*1160.389	*1150.586	*1148.314	*1143.513	*1136.231 *
-65.0	601.447 *	609.581 *	608.967 *	603.325 *	595.164 *	589.488 *	593.198 *	594.911 *	594.696 *	592.631 *
-75.0	184.051	182.503	178.621	174.388	170.153	169.730	169.960	169.415	168.159	167.696
-85.0	16.136	16.430	16.576	16.588	16.531	16.583	17.235	16.994	16.753	16.512
-90.0	1.313	1.379	1.445	1.500	1.544	1.662	1.780	1.897	2.015	2.132

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	1.284	1.235	1.210	1.283	1.429	1.574	1.720	1.866	2.011	2.157
85.0	3.631	3.430	3.330	3.358	3.414	3.471	3.527	3.583	3.639	3.635
75.0	276.211	269.251	265.770	268.139	272.878	277.615	275.994	276.413	275.633	273.613
65.0	1759.347	*1707.860	*1682.110	*1701.556	*1740.438	*1745.913	*1751.001	*1743.210	*1721.776	*1685.983 *

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CANDELA TABULATION - (Cont.)

55.0	4588.660	*4605.530	*4613.970	*4604.847	*4586.613	*4549.602	*4514.394	*4474.559	*4430.624	*4410.788	*
47.5	5059.395	*5089.085	*5103.230	*5087.320	*5054.281	*5020.226	*4985.879	*4947.561	*4902.490	*4919.272	*
42.5	5184.696	*5208.542	*5219.955	*5206.265	*5177.894	*5147.283	*5113.360	*5093.054	*5100.665	*5132.121	*
37.5	5248.141	*5265.886	*5274.540	*5265.910	*5248.403	*5229.835	*5209.853	*5180.452	*5176.336	*5181.196	*
33.0	5301.528	*5318.701	*5324.940	*5317.788	*5300.302	*5283.723	*5270.674	*5266.537	*5252.710	*5249.831	*
29.0	5324.682	*5340.558	*5348.930	*5341.380	*5325.126	*5309.385	*5295.243	*5287.979	*5269.453	*5267.650	*
25.5	5284.679	*5284.941	*5286.235	*5291.589	*5305.146	*5319.698	*5312.239	*5305.474	*5308.146	*5307.971	*
22.5	5247.934	*5240.605	*5237.830	*5243.537	*5255.433	*5273.669	*5282.350	*5282.763	*5301.341	*5290.557	*
19.5	5197.853	*5209.412	*5213.925	*5215.307	*5220.000	*5229.378	*5231.556	*5233.043	*5236.166	*5231.896	*
17.0	5160.704	*5161.733	*5164.890	*5164.717	*5168.831	*5177.776	*5177.343	*5187.689	*5175.019	*5181.794	*
15.0	5105.004	*5117.685	*5128.300	*5120.072	*5113.380	*5110.974	*5118.377	*5130.347	*5128.260	*5133.124	*
13.0	5038.461	*5045.956	*5058.110	*5044.722	*5032.892	*5037.569	*5040.610	*5052.071	*5090.579	*5079.942	*
11.0	4949.151	*4959.090	*4972.920	*4967.540	*4964.466	*4961.673	*4979.865	*5000.426	*5011.131	*5032.341	*
9.0	4877.837	*4880.995	*4891.980	*4874.208	*4873.773	*4882.463	*4897.340	*4931.604	*4956.045	*4950.527	*
7.0	4782.610	*4785.573	*4785.030	*4775.988	*4780.574	*4806.709	*4816.073	*4850.029	*4873.827	*4888.339	*
5.0	4656.450	*4660.551	*4699.630	*4670.487	*4694.294	*4677.033	*4717.676	*4762.021	*4748.301	*4758.180	*
3.0	4550.529	*4554.244	*4563.790	*4561.689	*4563.954	*4593.081	*4602.926	*4619.228	*4631.893	*4621.668	*
1.0	4449.327	*4431.722	*4464.530	*4438.357	*4454.201	*4463.450	*4472.464	*4479.352	*4501.203	*4493.479	*
0.0	4357.650	*4369.120	*4380.775	*4377.370	*4390.240	*4396.190	*4404.300	*4407.790	*4436.100	*4431.980	*
-1.0	4304.412	*4302.046	*4346.160	*4306.302	*4326.791	*4331.089	*4349.829	*4352.866	*4373.182	*4371.524	*
-3.0	4191.214	*4180.591	*4220.050	*4193.662	*4200.454	*4187.608	*4202.518	*4229.024	*4243.208	*4244.571	*
-5.0	4044.089	*4063.180	*4087.370	*4083.754	*4054.926	*4087.256	*4073.580	*4072.501	*4089.711	*4096.407	*
-7.0	3917.695	*3943.844	*3957.570	*3954.402	*3931.798	*3949.218	*3951.172	*3946.609	*3944.154	*3945.230	*
-9.0	3794.960	*3820.501	*3824.130	*3822.861	*3801.408	*3800.407	*3810.942	*3812.503	*3813.653	*3801.839	*
-11.0	3648.508	*3672.737	*3674.420	*3671.225	*3643.762	*3662.401	*3660.375	*3673.165	*3672.318	*3664.918	*
-13.0	3525.156	*3532.920	*3524.510	*3529.926	*3519.221	*3524.767	*3510.191	*3519.252	*3529.580	*3517.734	*
-15.0	3384.692	*3394.526	*3388.880	*3394.446	*3387.094	*3383.299	*3379.010	*3377.096	*3387.958	*3390.763	*
-17.0	3238.363	*3249.385	*3246.060	*3252.980	*3248.560	*3237.594	*3246.509	*3247.524	*3256.446	*3267.938	*
-19.5	3067.128	*3078.704	*3078.980	*3085.824	*3091.576	*3088.832	*3093.993	*3095.961	*3093.987	*3117.091	*
-22.5	2848.413	*2837.807	*2828.570	*2843.178	*2863.058	*2869.565	*2887.044	*2909.149	*2925.078	*2940.357	*
-25.5	2646.369	*2632.078	*2621.400	*2639.072	*2667.336	*2686.201	*2705.101	*2738.679	*2774.642	*2806.032	*
-29.0	2431.305	*2409.262	*2394.450	*2417.102	*2455.272	*2487.421	*2512.464	*2552.254	*2595.376	*2630.293	*
-33.0	2218.589	*2191.922	*2175.680	*2199.144	*2240.278	*2277.468	*2310.638	*2350.451	*2388.956	*2428.773	*
-37.5	1997.171	*1968.843	*1953.010	*1974.541	*2014.237	*2049.359	*2082.377	*2106.995	*2155.328	*2201.937	*
-42.5	1717.860	*1692.405	*1677.740	*1697.721	*1733.714	*1764.087	*1788.477	*1806.521	*1833.129	*1886.737	*
-47.5	1435.197	*1418.602	*1409.175	*1422.175	*1445.892	*1466.512	*1483.982	*1498.703	*1510.296	*1550.181	*
-55.0	1129.088	*1114.745	*1107.570	*1115.883	*1132.499	*1141.916	*1151.465	*1158.527	*1163.053	*1174.856	*
-65.0	590.588	*583.476	*579.920	*583.303	*590.067	*591.685	*593.267	*592.895	*590.464	*585.873	*
-75.0	164.278	160.860	159.150	160.686	163.759	166.830	166.994	167.955	168.235	167.777	
-85.0	16.271	16.030	15.910	15.875	15.806	15.736	15.666	15.597	15.527	14.596	
-90.0	2.250	2.367	2.426	2.354	2.210	2.066	1.921	1.777	1.633	1.489	

Vert. Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	
90.0	2.303	2.173	2.011	1.816	1.621	1.394	1.454	1.640	1.848	1.916	
85.0	3.704	3.796	3.871	3.892	3.825	3.618	3.597	3.413	3.334	3.335	
75.0	271.882	273.416	272.723	269.694	264.189	252.731	252.741	239.537	209.425	190.035	
65.0	1686.904	*1708.368	*1720.242	*1704.116	*1659.018	*1587.946	*1523.064	*1433.036	*1249.902	*1153.755	*
55.0	4421.921	*4440.504	*4461.324	*4473.892	*4472.683	*4330.563	*4135.663	*3899.651	*3559.251	*3111.756	*
47.5	4942.097	*4968.173	*5009.722	*5070.478	*5031.183	*4951.537	*4845.280	*4675.869	*4404.989	*4035.490	*
42.5	5111.323	*5111.599	*5118.979	*5129.771	*5136.550	*5078.037	*4974.126	*4859.918	*4662.053	*4344.236	*
37.5	5188.501	*5203.498	*5211.051	*5207.345	*5212.511	*5160.433	*5105.397	*4974.494	*4775.459	*4508.793	*
33.0	5248.501	*5264.773	*5239.857	*5236.386	*5239.695	*5254.329	*5161.838	*5072.123	*4872.265	*4539.181	*
29.0	5267.856	*5276.837	*5266.625	*5272.775	*5264.624	*5244.494	*5187.488	*5090.818	*4910.464	*4569.132	*
25.5	5307.004	*5294.061	*5273.062	*5266.174	*5253.019	*5215.773	*5183.480	*5125.989	*4877.991	*4549.738	*

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	5298.029	*5269.391	*5266.914	*5256.499	*5220.650	*5207.472	*5181.754	*5031.790	*4847.536	*4510.508 *
19.5	5220.503	*5248.817	*5227.605	*5206.397	*5186.439	*5170.853	*5079.408	*4956.803	*4786.324	*4462.741 *
17.0	5201.462	*5166.144	*5189.219	*5157.117	*5165.450	*5101.481	*5003.176	*4897.488	*4738.205	*4428.003 *
15.0	5133.029	*5153.468	*5122.427	*5107.445	*5089.395	*5015.055	*4942.375	*4842.301	*4698.109	*4376.066 *
13.0	5081.200	*5087.046	*5093.922	*5065.535	*5000.201	*4937.780	*4862.899	*4775.372	*4641.273	*4318.816 *
11.0	5024.737	*5026.854	*5026.542	*4986.719	*4912.312	*4864.541	*4778.818	*4691.711	*4551.384	*4258.621 *
9.0	4967.213	*4948.472	*4924.968	*4879.167	*4821.389	*4784.564	*4681.354	*4587.567	*4461.089	*4195.089 *
7.0	4854.733	*4840.996	*4821.100	*4791.567	*4732.066	*4670.892	*4584.303	*4485.305	*4368.906	*4128.145 *
5.0	4741.951	*4738.354	*4705.434	*4671.117	*4603.616	*4543.814	*4482.362	*4390.748	*4274.337	*4056.429 *
3.0	4618.426	*4604.743	*4569.057	*4532.592	*4473.716	*4418.445	*4374.443	*4293.925	*4179.224	*3979.209 *
1.0	4482.738	*4466.427	*4438.258	*4392.317	*4339.930	*4294.171	*4262.209	*4194.113	*4082.867	*3896.617 *
0.0	4414.770	*4396.440	*4372.430	*4321.340	*4271.775	*4232.390	*4204.330	*4143.270	*4033.995	*3853.355 *
-1.0	4354.002	*4342.806	*4312.974	*4265.889	*4220.878	*4182.862	*4155.859	*4099.898	*3995.076	*3819.714 *
-3.0	4229.288	*4228.872	*4191.803	*4153.844	*4117.087	*4083.536	*4056.616	*4011.984	*3915.547	*3749.153 *
-5.0	4091.457	*4099.472	*4071.166	*4041.895	*4010.953	*3983.151	*3956.508	*3923.192	*3833.854	*3675.178 *
-7.0	3944.476	*3938.310	*3931.882	*3922.214	*3900.896	*3880.889	*3856.051	*3835.304	*3750.121	*3598.927 *
-9.0	3781.069	*3780.129	*3781.614	*3789.681	*3780.719	*3771.657	*3757.457	*3744.981	*3665.148	*3519.478 *
-11.0	3650.046	*3640.542	*3633.192	*3661.389	*3662.862	*3658.410	*3657.381	*3654.121	*3578.693	*3436.797 *
-13.0	3520.521	*3517.315	*3516.182	*3539.553	*3545.700	*3549.556	*3560.340	*3562.367	*3493.487	*3353.045 *
-15.0	3396.378	*3402.911	*3417.709	*3428.582	*3435.115	*3447.734	*3464.290	*3469.227	*3404.244	*3266.133 *
-17.0	3279.497	*3300.642	*3324.467	*3324.403	*3332.067	*3353.155	*3368.062	*3367.040	*3315.854	*3173.345 *
-19.5	3145.004	*3172.851	*3201.005	*3216.341	*3216.953	*3224.740	*3245.603	*3241.109	*3200.218	*3060.882 *
-22.5	2984.508	*3022.836	*3051.357	*3070.656	*3092.568	*3106.276	*3096.110	*3089.126	*3068.408	*2927.885 *
-25.5	2832.873	*2866.657	*2900.272	*2935.019	*2964.440	*2973.725	*2963.414	*2933.250	*2925.919	*2791.881 *
-29.0	2664.653	*2700.156	*2735.441	*2788.676	*2800.809	*2822.418	*2818.209	*2793.249	*2748.981	*2616.142 *
-33.0	2466.892	*2503.716	*2546.433	*2586.096	*2611.537	*2644.299	*2642.857	*2626.369	*2558.397	*2396.881 *
-37.5	2243.555	*2282.577	*2325.644	*2367.124	*2393.365	*2416.581	*2433.206	*2402.637	*2273.162	*2143.796 *
-42.5	1924.873	*1964.771	*2003.016	*2033.969	*2057.578	*2103.279	*2128.794	*2035.537	*1955.229	*1813.389 *
-47.5	1586.026	*1615.049	*1642.540	*1664.746	*1715.404	*1744.682	*1721.156	*1667.768	*1600.815	*1480.492 *
-55.0	1199.068	*1220.751	*1242.668	*1261.707	*1264.782	*1253.039	*1226.945	*1180.861	*1123.725	*1031.207 *
-65.0	591.104 *	599.696 *	605.445 *	604.615 *	593.154 *	582.945 *	582.559 *	564.327 *	522.432	489.257
-75.0	167.824	171.097	174.068	176.289	176.476	173.374	171.025	163.370	148.979	136.173
-85.0	14.248	14.156	13.963	13.622	13.158	12.457	11.733	10.967	9.860	8.398
-90.0	1.344	1.424	1.523	1.643	1.762	1.902	1.914	1.873	1.827	1.832

Vert. Angles **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	1.811	2.091	2.791	2.350	2.130
85.0	3.427	2.937	3.380	2.419	2.130
75.0	146.494	63.412	5.953	2.604	2.130
65.0	815.616 *	410.934	81.418	3.015	2.130
55.0	2531.628	*1112.832	*266.492	4.225	2.130
47.5	3332.592	*1805.469	*446.545	5.047	2.130
42.5	3676.320	*2186.328	*571.029 *	5.530	2.130
37.5	3862.795	*2454.578	*677.323 *	6.013	2.130
33.0	3959.987	*2625.672	*782.335 *	8.850	2.130
29.0	4016.352	*2750.360	*862.922 *	11.483	2.130
25.5	4001.515	*2823.278	*923.393 *	13.506	2.130
22.5	4009.800	*2864.447	*964.104 *	15.028	2.130
19.5	3957.315	*2878.838	*997.453 *	16.350	2.130
17.0	3903.001	*2881.623	*1020.796	*17.298	2.130
15.0	3853.304	*2878.589	*1034.817	*17.956	2.130
13.0	3802.087	*2871.839	*1044.742	*18.525	2.130
11.0	3748.814	*2858.342	*1050.626	*20.326	2.130
9.0	3691.621	*2838.465	*1052.529	*20.276	2.130

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	3629.349	*2812.598	*1050.515	*20.226	2.130
5.0	3562.470	*2781.162	*1055.860	*20.176	2.130
3.0	3494.803	*2749.276	*1039.060	*20.126	2.130
1.0	3417.265	*2703.859	*1022.224	*20.050	2.130
0.0	3378.450	*2681.130	*1013.800	*20.050	2.130
-1.0	3353.126	*2663.142	*1011.476	*20.255	2.130
-3.0	3302.538	*2627.197	*1006.830	*20.664	2.130
-5.0	3242.937	*2579.426	*1002.194	*21.072	2.130
-7.0	3183.599	*2532.658	*976.875	* 21.479	2.130
-9.0	3121.230	*2482.786	*959.183	* 21.884	2.130
-11.0	3055.783	*2430.060	*938.566	* 22.287	2.130
-13.0	2988.668	*2374.730	*915.165	* 20.764	2.130
-15.0	2914.397	*2317.043	*889.116	* 20.506	2.130
-17.0	2838.925	*2257.257	*860.560	* 20.143	2.130
-19.5	2738.968	*2178.952	*821.549	* 19.540	2.130
-22.5	2610.824	*2081.657	*774.372	* 18.596	2.130
-25.5	2496.412	*1966.302	*725.939	* 17.405	2.130
-29.0	2342.905	*1832.893	*664.120	* 15.704	2.130
-33.0	2147.961	*1681.399	*592.303	* 13.346	2.130
-37.5	1893.772	*1483.509	*505.922	10.747	2.130
-42.5	1589.163	*1218.311	*409.971	9.575	2.130
-47.5	1288.826	*973.370	* 325.351	8.173	2.130
-55.0	862.325	* 627.236	* 211.189	5.761	2.130
-65.0	401.978	263.503	97.956	3.496	2.130
-75.0	105.241	61.240	25.876	2.822	2.130
-85.0	6.296	4.512	4.059	2.414	2.130
-90.0	1.916	2.100	2.354	2.204	2.130

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 7388.17
 Total Field Lumens (one side of beam only) = 7263.01
 * Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles										
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>	
90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.41	0.84	0.85	0.86	0.86	0.86	0.85	0.84	0.83	1.04	
75	2.99 *	6.09 *	6.18 *	6.20 *	6.19 *	6.14 *	6.03 *	5.95 *	5.95 *	7.44 *	
65	9.60 *	19.25 *	19.22 *	19.09 *	18.92 *	18.67 *	18.39 *	18.22 *	18.17 *	22.62 *	
55	11.09 *	22.08 *	21.90 *	21.68 *	21.43 *	21.13 *	20.89 *	20.75 *	20.65 *	25.66 *	
47.5	7.85 *	15.63 *	15.51 *	15.37 *	15.20 *	15.04 *	14.92 *	14.82 *	14.70 *	18.23 *	
42.5	7.98 *	15.91 *	15.81 *	15.69 *	15.54 *	15.42 *	15.32 *	15.20 *	15.05 *	18.60 *	
37.5	7.26 *	14.47 *	14.40 *	14.30 *	14.19 *	14.10 *	13.99 *	13.87 *	13.73 *	16.96 *	
33	6.50 *	12.96 *	12.90 *	12.82 *	12.74 *	12.65 *	12.54 *	12.42 *	12.31 *	15.20 *	
29	5.67 *	11.32 *	11.29 *	11.25 *	11.19 *	11.11 *	11.02 *	10.92 *	10.82 *	13.35 *	
25.5	4.81 *	9.62 *	9.63 *	9.61 *	9.58 *	9.52 *	9.46 *	9.38 *	9.27 *	11.43 *	
22.5	4.78 *	9.55 *	9.54 *	9.53 *	9.51 *	9.46 *	9.40 *	9.32 *	9.23 *	11.38 *	
19.5	3.95 *	7.90 *	7.88 *	7.87 *	7.84 *	7.81 *	7.76 *	7.69 *	7.62 *	9.40 *	
17	3.13 *	6.26 *	6.25 *	6.23 *	6.21 *	6.18 *	6.14 *	6.10 *	6.04 *	7.45 *	
15	3.10 *	6.18 *	6.17 *	6.15 *	6.13 *	6.12 *	6.09 *	6.04 *	5.98 *	7.38 *	
13	3.05 *	6.09 *	6.07 *	6.07 *	6.06 *	6.05 *	6.02 *	5.97 *	5.91 *	7.29 *	
11	3.00 *	5.99 *	5.98 *	5.97 *	5.97 *	5.96 *	5.93 *	5.89 *	5.83 *	7.19 *	
9	2.94 *	5.88 *	5.87 *	5.87 *	5.87 *	5.86 *	5.84 *	5.79 *	5.74 *	7.06 *	
7	2.88 *	5.75 *	5.75 *	5.76 *	5.76 *	5.75 *	5.73 *	5.68 *	5.63 *	6.93 *	
5	2.82 *	5.62 *	5.62 *	5.63 *	5.63 *	5.63 *	5.60 *	5.55 *	5.49 *	6.76 *	
3	2.74 *	5.48 *	5.49 *	5.49 *	5.48 *	5.47 *	5.44 *	5.39 *	5.33 *	6.56 *	
1	1.34 *	2.68 *	2.68 *	2.68 *	2.67 *	2.66 *	2.65 *	2.63 *	2.60 *	3.21 *	
0	1.33 *	2.64 *	2.64 *	2.64 *	2.63 *	2.62 *	2.61 *	2.59 *	2.57 *	3.16 *	
-1	2.60 *	5.18 *	5.17 *	5.16 *	5.15 *	5.13 *	5.11 *	5.07 *	5.01 *	6.17 *	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	2.52 *	5.02 *	5.02 *	5.01 *	4.99 *	4.97 *	4.95 *	4.90 *	4.85 *	5.98 *
-5	2.45 *	4.87 *	4.86 *	4.85 *	4.83 *	4.81 *	4.77 *	4.73 *	4.68 *	5.77 *
-7	2.37 *	4.72 *	4.69 *	4.68 *	4.66 *	4.64 *	4.60 *	4.55 *	4.50 *	5.56 *
-9	2.28 *	4.55 *	4.52 *	4.51 *	4.49 *	4.46 *	4.43 *	4.38 *	4.33 *	5.35 *
-11	2.19 *	4.37 *	4.36 *	4.34 *	4.31 *	4.29 *	4.26 *	4.22 *	4.18 *	5.16 *
-13	2.11 *	4.21 *	4.19 *	4.17 *	4.14 *	4.12 *	4.09 *	4.06 *	4.03 *	4.99 *
-15	2.02 *	4.04 *	4.02 *	4.00 *	3.98 *	3.96 *	3.94 *	3.91 *	3.89 *	4.83 *
-17	2.41 *	4.82 *	4.79 *	4.77 *	4.75 *	4.73 *	4.71 *	4.70 *	4.68 *	5.83 *
-19.5	2.70 *	5.41 *	5.41 *	5.39 *	5.39 *	5.37 *	5.36 *	5.36 *	5.37 *	6.69 *
-22.5	2.50 *	5.02 *	5.03 *	5.04 *	5.05 *	5.06 *	5.07 *	5.09 *	5.10 *	6.37 *
-25.5	2.68 *	5.41 *	5.44 *	5.46 *	5.49 *	5.54 *	5.58 *	5.61 *	5.63 *	7.04 *
-29	2.80 *	5.65 *	5.71 *	5.75 *	5.80 *	5.86 *	5.92 *	5.97 *	6.00 *	7.53 *
-33	2.84 *	5.76 *	5.83 *	5.89 *	5.94 *	6.00 *	6.08 *	6.15 *	6.20 *	7.79 *
-37.5	2.78 *	5.63 *	5.71 *	5.77 *	5.81 *	5.85 *	5.94 *	6.03 *	6.10 *	7.68 *
-42.5	2.36 *	4.78 *	4.84 *	4.89 *	4.91 *	4.93 *	4.99 *	5.08 *	5.14 *	6.47 *
-47.5	2.89 *	5.83 *	5.89 *	5.93 *	5.95 *	5.95 *	5.98 *	6.05 *	6.12 *	7.70 *
-55	2.58 *	5.21 *	5.25 *	5.26 *	5.26 *	5.24 *	5.22 *	5.23 *	5.27 *	6.62 *
-65	1.13	2.28	2.30	2.30	2.30	2.29	2.26	2.24	2.25	2.82
-75	0.27	0.54	0.55	0.56	0.56	0.56	0.55	0.54	0.55	0.69
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03
-90										
Total	145.72	291.51	291.27	290.51	289.39	287.99	286.47	284.95	283.36	351.37

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01
85	1.22	1.19	1.31	1.43	1.51	1.47	1.25	1.44	1.03	0.28
75	8.79 *	8.51 *	9.42 *	10.10 *	10.42 *	9.96 *	8.33 *	9.31 *	6.38	1.82
65	26.82 *	26.23 *	29.27 *	31.19 *	32.03 *	30.96 *	25.68 *	29.00 *	20.28 *	5.67
55	30.53 *	29.94 *	33.57 *	36.18 *	37.59 *	37.00 *	31.23 *	36.01 *	26.40 *	7.88 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	21.65 *	21.21 *	23.91 *	26.05 *	27.37 *	27.44 *	23.79 *	27.97 *	21.60 *	7.06 *
42.5	21.99 *	21.55 *	24.41 *	26.66 *	28.05 *	28.34 *	24.86 *	29.62 *	23.73 *	8.24 *
37.5	20.02 *	19.62 *	22.30 *	24.40 *	25.69 *	26.04 *	22.84 *	27.35 *	22.56 *	8.23 *
33	17.93 *	17.57 *	19.95 *	21.81 *	22.99 *	23.37 *	20.49 *	24.59 *	20.74 *	7.85 *
29	15.75 *	15.40 *	17.42 *	19.04 *	20.13 *	20.45 *	17.93 *	21.61 *	18.46 *	7.19 *
25.5	13.48 *	13.15 *	14.85 *	16.26 *	17.19 *	17.41 *	15.28 *	18.47 *	15.93 *	6.34 *
22.5	13.40 *	13.06 *	14.74 *	16.13 *	16.98 *	17.17 *	15.15 *	18.37 *	15.95 *	6.45 *
19.5	11.06 *	10.79 *	12.18 *	13.26 *	13.94 *	14.14 *	12.51 *	15.19 *	13.23 *	5.42 *
17	8.76 *	8.55 *	9.64 *	10.46 *	11.02 *	11.20 *	9.92 *	12.03 *	10.51 *	4.36 *
15	8.68 *	8.44 *	9.49 *	10.31 *	10.88 *	11.08 *	9.81 *	11.87 *	10.43 *	4.37 *
13	8.58 *	8.32 *	9.35 *	10.15 *	10.71 *	10.91 *	9.65 *	11.71 *	10.33 *	4.36 *
11	8.44 *	8.20 *	9.21 *	10.00 *	10.52 *	10.69 *	9.48 *	11.52 *	10.21 *	4.35 *
9	8.28 *	8.04 *	9.04 *	9.79 *	10.29 *	10.46 *	9.30 *	11.33 *	10.09 *	4.33 *
7	8.11 *	7.86 *	8.81 *	9.54 *	10.05 *	10.24 *	9.11 *	11.13 *	9.95 *	4.30 *
5	7.91 *	7.65 *	8.56 *	9.29 *	9.81 *	10.01 *	8.93 *	10.92 *	9.80 *	4.27 *
3	7.68 *	7.43 *	8.31 *	9.03 *	9.57 *	9.78 *	8.74 *	10.71 *	9.64 *	4.22 *
1	3.75 *	3.63 *	4.06 *	4.42 *	4.69 *	4.80 *	4.29 *	5.27 *	4.76 *	2.09 *
0	3.70 *	3.58 *	4.01 *	4.36 *	4.63 *	4.75 *	4.25 *	5.22 *	4.72 *	2.07 *
-1	7.23 *	7.00 *	7.86 *	8.57 *	9.11 *	9.35 *	8.37 *	10.30 *	9.32 *	4.11 *
-3	7.01 *	6.80 *	7.65 *	8.35 *	8.89 *	9.14 *	8.20 *	10.10 *	9.16 *	4.05 *
-5	6.78 *	6.60 *	7.44 *	8.14 *	8.68 *	8.93 *	8.02 *	9.90 *	8.98 *	3.97 *
-7	6.55 *	6.39 *	7.22 *	7.93 *	8.47 *	8.72 *	7.84 *	9.69 *	8.80 *	3.89 *
-9	6.32 *	6.19 *	7.01 *	7.71 *	8.25 *	8.50 *	7.66 *	9.47 *	8.61 *	3.80 *
-11	6.10 *	5.99 *	6.81 *	7.50 *	8.04 *	8.29 *	7.47 *	9.25 *	8.42 *	3.72 *
-13	5.91 *	5.80 *	6.61 *	7.30 *	7.83 *	8.08 *	7.29 *	9.02 *	8.21 *	3.62 *
-15	5.73 *	5.63 *	6.42 *	7.10 *	7.63 *	7.88 *	7.10 *	8.79 *	8.00 *	3.52 *
-17	6.92 *	6.81 *	7.77 *	8.60 *	9.23 *	9.55 *	8.62 *	10.65 *	9.68 *	4.25 *
-19.5	7.97 *	7.86 *	8.97 *	9.92 *	10.64 *	11.02 *	9.96 *	12.28 *	11.13 *	4.87 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	7.61 *	7.52 *	8.61 *	9.51 *	10.17 *	10.54 *	9.53 *	11.72 *	10.59 *	4.61 *
-25.5	8.43 *	8.35 *	9.56 *	10.58 *	11.31 *	11.69 *	10.53 *	12.94 *	11.65 *	5.02 *
-29	9.03 *	8.96 *	10.28 *	11.40 *	12.20 *	12.57 *	11.23 *	13.73 *	12.31 *	5.26 *
-33	9.36 *	9.30 *	10.69 *	11.88 *	12.73 *	13.01 *	11.49 *	13.94 *	12.45 *	5.28 *
-37.5	9.23 *	9.18 *	10.58 *	11.81 *	12.58 *	12.72 *	11.16 *	13.41 *	11.92 *	5.02 *
-42.5	7.76 *	7.74 *	8.97 *	10.00 *	10.56 *	10.67 *	9.33 *	11.14 *	9.85 *	4.10 *
-47.5	9.23 *	9.19 *	10.59 *	11.65 *	12.24 *	12.33 *	10.70 *	12.68 *	11.00 *	4.50
-55	7.90 *	7.77 *	8.78 *	9.61 *	10.09 *	10.04 *	8.67 *	10.23 *	8.56 *	3.44
-65	3.35	3.26	3.66	4.00	4.22	4.18	3.61	4.25	3.43	1.36
-75	0.82	0.81	0.92	1.00	1.04	1.03	0.88	1.01	0.78	0.32
-85	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02
-90										
Total	415.81	407.10	460.25	502.48	530.04	535.98	470.52	565.21	479.64	189.91

Vert. Angles	Horizontal Angles			Total
	75	85	90	
90				
	0.01	0.00		0.24
85				
	0.03	0.00		20.40
75				
	0.19	0.00		142.39
65				
	0.64	0.00		439.94
55				
	0.91	0.01		514.48
47.5				
	0.84	0.00		376.17
42.5				
	1.03	0.01		389.00
37.5				
	1.09	0.01		357.43
33				
	1.08	0.01		321.42
29				
	1.03	0.01		282.36
25.5				
	0.93	0.01		241.60
22.5				
	0.96	0.01		240.07
19.5				
	0.83	0.01		198.28
17				
	0.67	0.00		157.11

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

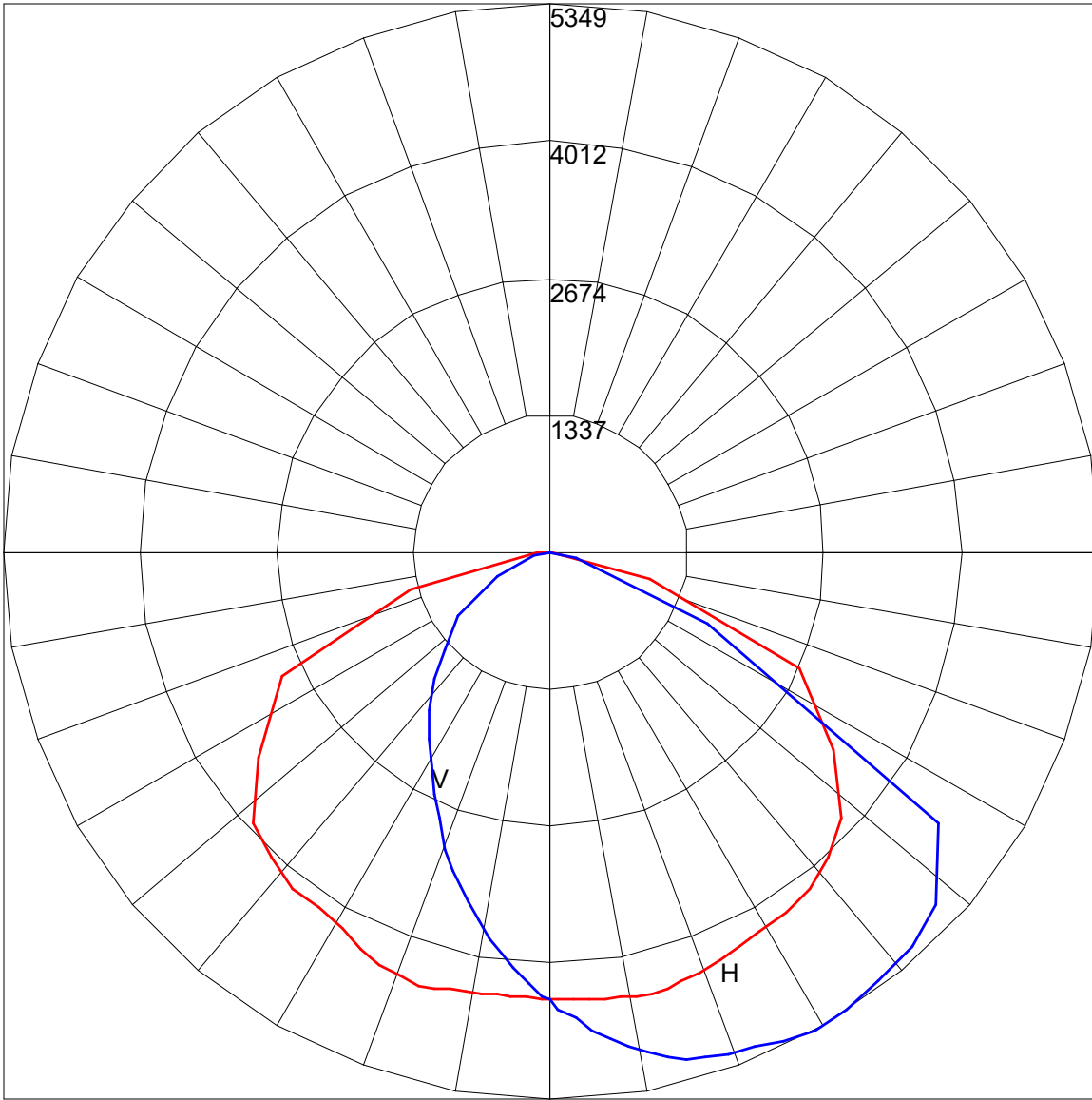
15	0.68	0.00	155.37
13	0.69	0.00	153.34
11	0.69 *	0.01	151.03
9	0.70 *	0.01	148.40
7	0.70 *	0.01	145.45
5	0.70	0.01	142.20
3	0.69	0.01	138.66
1	0.34	0.00	67.93
0	0.34	0.00	67.04
-1	0.68	0.01	131.64
-3	0.67	0.01	128.25
-5	0.66	0.01	124.73
-7	0.65	0.01	121.12
-9	0.63	0.01	117.49
-11	0.62	0.01	113.91
-13	0.60	0.00	110.41
-15	0.58	0.00	106.97
-17	0.70	0.01	128.96
-19.5	0.79	0.01	147.86
-22.5	0.75	0.01	140.47
-25.5	0.81	0.01	154.76
-29	0.83	0.01	164.81
-33	0.83	0.01	169.46
-37.5	0.77	0.01	165.68
-42.5	0.62	0.01	139.11
-47.5	0.69	0.01	163.08
-55	0.54	0.01	136.77
-65	0.23	0.00	57.72

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MILGCOWPKSR-LED135DMVBZ50.IES

LUMENS TABULATION - (Cont.)

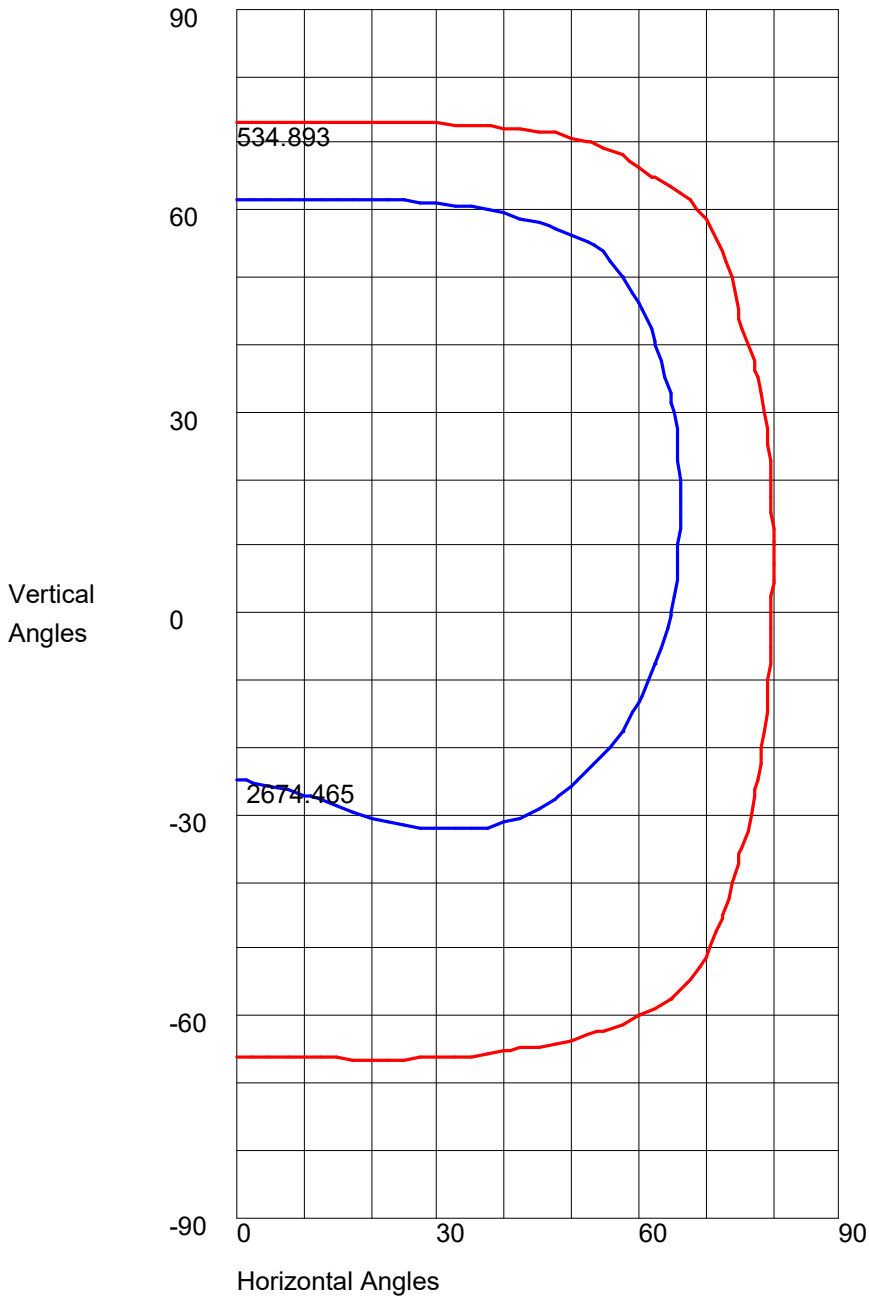
-75	0.07	0.00	14.03
-85	0.01	0.00	0.64
-90			
Total	28.49	0.22	7388.18

AXIAL CANDELA DISPLAY



Maximum Candela = 5348.93 Located At Horizontal Angle = 0, Vertical Angle = 29
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 5348.93 Located At Horizontal Angle = 0, Vertical Angle = 29
50% Maximum Candela = 2674.465
10% Maximum Candela = 534.893