



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]  
 [TESTLAB] Dongguan New Testing Centre Co., Ltd  
 [TESTDATE] 04 May 2017  
 [ISSUE DATE] 2017-05-12 16:41:13  
 [NEARFIELD]  
 [LAMPPOSITION] 0,0  
 [OTHER] EVERFINE GO-R5000\_V2 SYSTEM  
 [MANUFAC] MOBERN LIGHTING CO.  
 [LUMCAT] MILGWPKSR-LED135DMVBZ50  
 [BALLAST] 120-277V,60Hz  
 [OTHER]  

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	424.58	424.58	2.67	2.67
[OTHER] 10- 20	1094.44	1519.02	9.55	9.55
[OTHER] 20- 30	1464.97	2983.99	18.77	18.77
[OTHER] 30- 40	1689.32	4673.31	29.39	29.39
[OTHER] 40- 50	1870.57	6543.88	41.16	41.16
[OTHER] 50- 60	2077.93	8621.81	54.23	54.23
[OTHER] 60- 70	2107.74	10729.55	67.48	67.48
[OTHER] 70- 80	1866.95	12596.50	79.22	79.22
[OTHER] 80- 90	1433.03	14029.54	88.24	88.24
[OTHER] 90-100	872.30	14901.84	93.72	93.72
[OTHER] 100-110	368.31	15270.15	96.04	96.04
[OTHER] 110-120	252.79	15522.94	97.63	97.63
[OTHER] 120-130	195.15	15718.09	98.86	98.86
[OTHER] 130-140	113.01	15831.10	99.57	99.57
[OTHER] 140-150	51.12	15882.21	99.89	99.89
[OTHER] 150-160	14.47	15896.68	99.98	99.98
[OTHER] 160-170	2.30	15898.98	99.99	99.99
[OTHER] 170-180	0.85	15899.83	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 5 V
Maximum Candela	6432.68
Maximum Candela Angle	0H 55V
Horizontal Beam Angle (50%)	89.8
Vertical Beam Angle (50%)	18.6
Horizontal Field Angle (10%)	163.6
Vertical Field Angle (10%)	93.5
Lumens Per Lamp	15900 (1 lamp)
Total Lamp Lumens	15900
Beam Lumens	8959
Beam Efficiency	56 %
Field Lumens	13466
Field Efficiency	85 %
Spill Lumens	531
Luminaire Lumens	13997
Total Efficiency	88 %
Total Luminaire Watts	134.8
Ballast Factor	0.99

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	223.51	90	3833.689
85	259.3	85	4430.58
75	658.73	75	5018.12
65	1248.48	65	5966.28
55	1673.97	55	6432.68
47.5	2005.86	47.5	5733.84
42.5	2253.005	42.5	4643.96
37.5	2537.245	37.5	4983.79
33	2793.85	33	4369.97
29	3061.07	29	4977.79
25.5	3340.35	25.5	4185.585
22.5	3579.92	22.5	4744.94
19.5	3810.995	19.5	4656.11
17	3951.89	17	4492.27
15	4065.5	15	4886.7
13	4154.94	13	5165.31
11	4240.8	11	4809.83
9	4295.3	9	4748.93
7	4378.18	7	5393.6
5	4420.81	5	4495.47
3	4441.47	3	5216.07
1	4464.99	1	4845.93
0	4472.009	0	4472.009
-1	4472.21	-1	4406.04
-3	4477.16	-3	4431.15
-5	4463.34	-5	3820.14
-7	4471.27	-7	3674.73
-9	4446.76	-9	3265.23
-11	4407.92	-11	2917.94
-13	4339.87	-13	2707.66
-15	4225.1	-15	2549.95
-17	4186.03	-17	2276.53
-19.5	4031.58	-19.5	1985.8
-22.5	3807.31	-22.5	1599.07
-25.5	3593.425	-25.5	1366.77
-29	3342.38	-29	1233.23
-33	3060.64	-33	1113.47
-37.5	2779.335	-37.5	968.815
-42.5	2478.035	-42.5	793.87
-47.5	2222.975	-47.5	616.855
-55	1873.61	-55	552.45
-65	1433.94	-65	273.26
-75	858.22	-75	178.01
-85	334.66	-85	10.93
-90	235.687	-90	12.409

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**CANDELA TABULATION**

Maximum Candela = 6432.68  
 Beam Edge = 3216.34 Cd (50% of Max.)  
 Field Edge = 643.268 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	235.964	412.414	766.105 *	1241.137	*1685.372	*1995.495	*2218.498	*2457.759	*2673.106	*2864.504 *
85.0	235.969	422.069	839.999 *	1359.219	*1843.638	*2212.839	*2489.731	*2805.462	*3077.020	*3313.611 *
75.0	235.972	438.184	974.671 *	1586.975	*2195.840	*2665.696	*2989.567	*3349.843	*3665.241	*3947.507 *
65.0	235.963	449.779	1096.959	*1798.791	*2500.254	*3070.357	*3397.520	*3824.746	*4199.446	*4546.021 *
55.0	235.944	453.989	1178.873	*1928.213	*2549.068	*3123.445	*3434.293	*3758.848	*4086.308	*4509.896 *
47.5	235.923	453.376	1192.557	*1934.719	*2554.819	*2945.555	*3315.576	*3551.670	*3861.790	*4229.634 *
42.5	235.906	450.266	1186.099	*1928.302	*2529.136	*2957.504	*3179.303	*3509.129	*3851.104	*3821.942 *
37.5	235.887	445.695	1182.811	*1919.943	*2456.932	*2850.382	*3155.166	*3353.774	*3334.412	*3695.138 *
33.0	235.867	438.201	1173.828	*1909.011	*2457.680	*2805.339	*3005.925	*3180.528	*3554.671	*3722.949 *
29.0	235.849	430.951	1158.827	*1857.218	*2408.183	*2815.817	*2966.073	*3279.566	*3460.839	*3584.080 *
25.5	235.832	423.233	1139.026	*1812.166	*2357.975	*2752.548	*2972.786	*3197.018	*3428.539	*3627.169 *
22.5	235.817	415.638	1118.520	*1777.321	*2334.897	*2701.192	*2981.420	*3168.945	*3443.659	*3519.674 *
19.5	235.801	407.183	1093.224	*1740.942	*2292.788	*2693.746	*2972.367	*3197.076	*3440.059	*3550.344 *
17.0	235.787	399.511	1068.549	*1709.492	*2256.277	*2691.428	*2946.077	*3150.919	*3376.747	*3660.047 *
15.0	235.776	392.984	1047.682	*1683.469	*2224.745	*2653.426	*2919.606	*3114.790	*3359.032	*3735.269 *
13.0	235.765	386.126	1025.800	*1656.247	*2189.452	*2609.315	*2883.928	*3096.881	*3388.028	*3763.122 *
11.0	235.753	382.167	1002.896	*1627.025	*2146.675	*2558.159	*2830.984	*3067.255	*3415.680	*3754.400 *
9.0	235.742	373.610	978.959 *	1595.873	*2102.494	*2503.286	*2776.991	*3025.553	*3398.746	*3721.819 *
7.0	235.730	365.004	953.979 *	1562.865	*2055.904	*2445.278	*2718.366	*2983.223	*3330.600	*3664.734 *
5.0	235.718	356.361	931.185 *	1528.083	*2006.885	*2385.126	*2654.541	*2930.250	*3262.016	*3591.532 *
3.0	235.706	347.692	902.040 *	1493.266	*1958.110	*2322.433	*2586.646	*2874.236	*3187.266	*3501.676 *
1.0	235.693	339.006	872.833 *	1453.727	*1901.799	*2256.899	*2515.072	*2812.360	*3106.151	*3399.299 *
0.0	235.687	334.660	858.220 *	1433.940	*1873.610	*2222.975	*2478.035	*2779.335	*3060.640	*3342.380 *
-1.0	235.687	334.660	850.989 *	1412.760	*1839.434	*2174.926	*2419.837	*2709.153	*2984.439	*3252.742 *
-3.0	235.687	334.064	836.537 *	1370.437	*1771.163	*2076.716	*2301.166	*2564.766	*2821.949	*3065.074 *
-5.0	235.687	333.667	822.115 *	1323.732	*1696.187	*1976.276	*2179.491	*2414.968	*2652.944	*2873.298 *
-7.0	235.687	333.272	801.741 *	1277.439	*1622.481	*1874.302	*2054.854	*2263.409	*2477.466	*2678.523 *
-9.0	235.686	332.878	783.794 *	1230.033	*1547.876	*1771.250	*1925.807	*2110.397	*2302.915	*2489.013 *
-11.0	235.686	332.487	765.227 *	1181.614	*1472.805	*1666.205	*1793.359	*1963.337	*2145.187	*2327.836 *
-13.0	235.685	328.136	746.142 *	1132.284	*1398.519	*1559.040	*1662.452	*1832.610	*2007.705	*2158.925 *
-15.0	235.685	326.484	726.636 *	1082.142	*1322.007	*1452.194	*1550.523	*1718.276	*1864.602	*1996.401 *
-17.0	235.684	324.675	706.804 *	1030.545	*1245.371	*1347.884	*1477.571	*1613.331	*1725.384	*1840.622 *
-19.5	235.683	322.202	681.699 *	964.805 *	1147.747	*1272.016	*1385.083	*1485.447	*1557.154	*1645.460 *
-22.5	235.681	318.941	650.700 *	886.122 *	1028.610	*1178.689	*1280.080	*1344.871	*1384.630	*1474.042 *
-25.5	235.680	315.376	619.294	809.246 *	964.665 *	1089.761	*1173.450	*1227.919	*1272.958	*1325.643 *
-29.0	235.677	310.861	583.187	722.431 *	889.948 *	989.457 *	1049.168	*1107.709	*1148.340	*1184.715 *
-33.0	235.675	305.267	543.490	628.031	805.404 *	877.870 *	918.201 *	983.538 *	1019.016	*1031.769 *
-37.5	235.671	299.465	501.248	558.191	714.959 *	755.001 *	803.054 *	848.345 *	872.661 *	896.835 *
-42.5	235.667	292.042	458.627	512.682	626.946	653.842 *	692.667 *	715.421 *	733.956 *	757.312 *
-47.5	235.662	285.035	420.613	469.255	554.933	578.221	596.795	606.102	618.228	631.416
-55.0	235.654	274.628	373.811	413.898	469.930	479.274	478.936	482.231	490.378	489.505
-65.0	235.643	262.649	323.221	345.291	362.392	355.774	349.198	340.044	330.809	323.126
-75.0	235.630	252.444	287.350	274.160	257.104	229.293	210.598	194.593	178.149	162.720
-85.0	235.617	244.610	263.161	215.242	164.284	122.994	96.747	73.349	51.745	34.681
-90.0	235.610	241.233	252.481	199.735	146.111	105.235	81.360	60.861	42.412	28.855

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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	3031.905	*3175.390	*3318.873	*3438.441	*3534.094	*3574.049	*3614.000	*3653.949	*3693.894	*3733.837 *
85.0	3523.827	*3709.468	*3899.103	*4059.453	*4192.162	*4225.764	*4275.005	*4303.288	*4331.572	*4359.859 *
75.0	4303.737	*4606.524	*4873.424	*5039.332	*5155.364	*5174.328	*5155.410	*5129.421	*5099.818	*5041.292 *
65.0	4872.983	*5108.714	*5319.058	*5482.839	*5612.876	*5726.954	*5778.275	*5823.203	*5862.466	*5896.818 *
55.0	4845.537	*5061.307	*5356.019	*5586.156	*5736.470	*5877.427	*5942.677	*5998.358	*6073.694	*6164.643 *
47.5	4484.294	*4626.277	*4743.185	*4945.566	*5174.968	*5414.780	*5604.468	*5619.327	*5625.908	*5629.565 *
42.5	3995.979	*4186.916	*4379.218	*4419.640	*4456.585	*4487.755	*4564.836	*4602.026	*4603.410	*4608.263 *
37.5	3955.833	*4008.300	*4110.245	*4292.327	*4460.315	*4625.398	*4773.260	*4869.292	*4886.375	*4885.326 *
33.0	3785.071	*3961.443	*3984.202	*4082.253	*4169.491	*4235.436	*4279.196	*4312.129	*4349.694	*4369.484 *
29.0	3745.470	*3834.883	*4029.127	*4253.571	*4380.978	*4419.392	*4522.547	*4663.636	*4797.070	*4810.542 *
25.5	3695.000	*3895.586	*4110.181	*4071.312	*3930.452	*3972.724	*4099.411	*4119.388	*4088.924	*4095.412 *
22.5	3776.717	*4009.624	*4083.274	*4017.010	*4133.135	*4367.282	*4491.737	*4563.194	*4636.505	*4748.804 *
19.5	3935.879	*4108.942	*4073.377	*4168.229	*4364.819	*4524.634	*4505.805	*4506.361	*4571.621	*4584.019 *
17.0	4047.008	*4158.138	*4181.261	*4195.042	*4231.765	*4287.134	*4339.544	*4409.542	*4492.766	*4491.197 *
15.0	4078.642	*4231.006	*4207.066	*4174.705	*4265.009	*4534.138	*4670.208	*4682.532	*4774.771	*4876.248 *
13.0	4074.072	*4272.337	*4195.748	*4217.902	*4518.984	*4871.331	*4768.787	*4874.037	*5091.306	*5050.173 *
11.0	4055.540	*4196.281	*4193.304	*4326.276	*4711.622	*4841.562	*4676.250	*4749.085	*4763.981	*4819.353 *
9.0	4028.742	*4143.606	*4214.165	*4476.408	*4849.539	*4947.854	*4802.444	*4785.083	*5008.885	*4765.286 *
7.0	3989.163	*4140.223	*4277.934	*4569.178	*4856.783	*5036.996	*4902.858	*4848.669	*5361.596	*5176.071 *
5.0	3890.752	*4079.563	*4325.160	*4545.223	*4802.649	*4927.629	*4756.736	*4339.133	*4683.400	*4317.043 *
3.0	3775.423	*3975.500	*4223.673	*4409.545	*4633.111	*4799.500	*4921.839	*4803.041	*4872.434	*5263.192 *
1.0	3656.157	*3865.950	*4099.099	*4264.361	*4369.270	*4505.180	*4580.351	*4654.304	*4659.842	*4656.703 *
0.0	3593.425	*3807.310	*4031.580	*4186.030	*4225.100	*4339.870	*4407.920	*4446.760	*4471.270	*4463.340 *
-1.0	3522.176	*3743.318	*3943.276	*4065.793	*4087.723	*4189.567	*4321.180	*4411.995	*4491.090	*4609.975 *
-3.0	3367.422	*3604.424	*3760.687	*3822.935	*3803.621	*3872.150	*4090.940	*4214.003	*4247.170	*4340.090 *
-5.0	3190.961	*3451.807	*3577.226	*3594.530	*3555.018	*3710.979	*3897.715	*3860.597	*3884.710	*3764.180 *
-7.0	2986.711	*3258.442	*3333.048	*3309.100	*3336.652	*3501.106	*3655.536	*3609.656	*3761.513	*3704.370 *
-9.0	2743.609	*2969.858	*3031.392	*3010.442	*3031.717	*3143.175	*3209.084	*3140.094	*3218.718	*3213.823 *
-11.0	2504.148	*2655.170	*2704.528	*2758.831	*2788.175	*2850.599	*2841.565	*2863.116	*2890.692	*2916.597 *
-13.0	2290.863	*2388.102	*2468.260	*2542.801	*2599.434	*2599.011	*2653.604	*2655.596	*2675.198	*2682.749 *
-15.0	2105.439	*2191.622	*2267.361	*2328.969	*2365.225	*2422.707	*2436.346	*2484.782	*2491.235	*2498.295 *
-17.0	1930.605	*1997.165	*2061.408	*2126.896	*2152.640	*2186.381	*2235.860	*2237.579	*2278.796	*2290.809 *
-19.5	1728.159	*1776.961	*1810.377	*1854.716	*1890.240	*1905.401	*1910.456	*1947.066	*1968.925	*1968.890 *
-22.5	1519.662	*1532.652	*1555.254	*1581.985	*1589.610	*1585.940	*1595.298	*1603.570	*1601.874	*1604.542 *
-25.5	1349.607	*1349.234	*1380.790	*1389.186	*1378.513	*1378.599	*1393.812	*1395.891	*1379.200	*1375.903 *
-29.0	1198.894	*1220.625	*1230.684	*1233.380	*1233.598	*1243.544	*1247.501	*1245.842	*1243.324	*1246.404 *
-33.0	1059.414	*1073.027	*1079.699	*1085.908	*1096.955	*1101.651	*1105.805	*1112.310	*1114.409	*1119.103 *
-37.5	912.581 *	923.615 *	927.754 *	939.748 *	945.448 *	949.386 *	952.995 *	957.820 *	968.709 *	971.328 *
-42.5	770.487 *	775.083 *	777.141 *	785.273 *	790.067 *	795.881 *	793.982 *	795.705 *	798.770 *	800.261 *
-47.5	640.278	643.472 *	643.170	639.657	636.596	633.220	630.970	634.903	635.043	632.572
-55.0	482.185	486.325	495.520	503.672	509.696	514.983	519.710	526.443	533.085	539.419
-65.0	315.428	308.033	300.482	294.104	289.058	286.626	287.756	287.593	286.224	283.739
-75.0	162.516	161.790	160.401	158.600	156.809	159.201	162.791	166.131	169.218	172.855
-85.0	28.798	23.652	18.424	14.014	10.457	10.437	10.503	10.581	10.658	10.736
-90.0	24.459	20.690	16.921	13.781	11.268	11.420	11.572	11.724	11.876	12.028

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	3773.779	*3813.719	*3833.689	*3810.709	*3764.748	*3718.787	*3672.824	*3626.859	*3580.892	*3534.924 *
85.0	4388.147	*4416.436	*4430.580	*4411.256	*4372.608	*4333.961	*4295.316	*4256.673	*4218.034	*4160.522 *
75.0	5032.025	*5022.755	*5018.120	*5015.239	*5009.478	*5003.718	*5049.783	*5067.247	*5082.707	*5093.052 *
65.0	5929.920	*5954.158	*5966.280	*5945.042	*5902.577	*5851.695	*5799.908	*5743.818	*5682.841	*5616.414 *



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**CANDELA TABULATION - (Cont.)**

<b>22.5</b>	4064.569	*3950.667	*3968.986	*3900.584	*3743.774	*3503.212	*3345.815	*3069.698	*2865.845	*2560.119	*
<b>19.5</b>	4257.857	*4079.248	*3980.836	*3995.549	*3822.049	*3534.583	*3363.277	*3088.576	*2844.921	*2546.427	*
<b>17.0</b>	4124.824	*4095.199	*4083.964	*4088.224	*3947.333	*3609.511	*3345.128	*3067.692	*2797.034	*2533.630	*
<b>15.0</b>	4267.422	*4068.746	*4125.086	*4172.981	*3983.238	*3648.372	*3309.475	*3051.492	*2783.154	*2492.135	*
<b>13.0</b>	4531.566	*4170.924	*4094.896	*4162.374	*4006.271	*3676.173	*3330.817	*3033.842	*2772.104	*2442.320	*
<b>11.0</b>	4697.886	*4361.321	*4096.463	*4118.871	*4016.287	*3694.606	*3358.177	*2986.652	*2706.291	*2386.507	*
<b>9.0</b>	4876.486	*4524.275	*4185.621	*4128.235	*3986.214	*3694.377	*3340.117	*2912.467	*2634.914	*2327.190	*
<b>7.0</b>	4822.780	*4596.313	*4285.764	*4155.875	*3926.015	*3594.445	*3226.758	*2833.611	*2555.936	*2263.079	*
<b>5.0</b>	4720.073	*4543.644	*4304.318	*4056.352	*3773.084	*3455.726	*3110.795	*2756.799	*2475.726	*2193.662	*
<b>3.0</b>	4492.364	*4325.562	*4119.101	*3877.140	*3607.748	*3305.492	*2988.736	*2675.572	*2390.270	*2120.711	*
<b>1.0</b>	4210.591	*4079.509	*3917.721	*3682.313	*3431.786	*3145.908	*2861.189	*2585.486	*2299.910	*2044.772	*
<b>0.0</b>	4065.500	*3951.890	*3810.995	*3579.920	*3340.350	*3061.070	*2793.850	*2537.245	*2253.005	*2005.860	*
<b>-1.0</b>	3971.652	*3848.916	*3738.129	*3536.957	*3303.490	*3011.545	*2737.494	*2483.728	*2206.060	*1967.977	*
<b>-3.0</b>	3753.391	*3639.308	*3593.079	*3444.429	*3222.300	*2899.466	*2617.782	*2371.157	*2108.935	*1890.600	*
<b>-5.0</b>	3521.424	*3433.181	*3464.724	*3345.839	*3128.836	*2770.908	*2493.238	*2252.294	*2007.532	*1811.063	*
<b>-7.0</b>	3279.859	*3197.658	*3219.523	*3190.537	*3009.920	*2619.103	*2363.619	*2132.777	*1901.924	*1729.356	*
<b>-9.0</b>	3004.419	*2913.790	*2928.199	*2906.721	*2773.804	*2452.404	*2234.038	*2012.317	*1802.083	*1644.528	*
<b>-11.0</b>	2755.874	*2680.889	*2643.001	*2601.326	*2522.080	*2282.571	*2097.454	*1888.877	*1701.587	*1557.842	*
<b>-13.0</b>	2549.480	*2483.817	*2412.574	*2328.567	*2283.479	*2110.089	*1962.581	*1772.514	*1601.404	*1470.939	*
<b>-15.0</b>	2357.000	*2275.681	*2206.445	*2131.520	*2063.383	*1942.628	*1819.467	*1666.204	*1493.269	*1384.143	*
<b>-17.0</b>	2108.051	*2063.340	*2023.567	*1958.274	*1876.971	*1782.701	*1679.713	*1561.789	*1417.830	*1295.960	*
<b>-19.5</b>	1862.339	*1837.086	*1784.027	*1741.062	*1686.832	*1600.924	*1519.405	*1438.646	*1334.671	*1222.579	*
<b>-22.5</b>	1582.237	*1560.417	*1531.353	*1509.592	*1491.868	*1440.753	*1352.940	*1304.441	*1238.143	*1138.990	*
<b>-25.5</b>	1363.866	*1372.046	*1366.170	*1339.845	*1333.630	*1300.914	*1235.855	*1182.701	*1130.905	*1057.730	*
<b>-29.0</b>	1222.534	*1216.475	*1213.758	*1207.157	*1183.230	*1171.000	*1126.544	*1078.650	*1010.423	*955.564	*
<b>-33.0</b>	1081.952	*1075.826	*1070.308	*1060.396	*1051.443	*1019.934	*999.633	*956.191	*884.933	*844.267	*
<b>-37.5</b>	937.274	*931.947	*922.541	*917.207	*903.624	*889.361	*858.704	*824.786	*774.365	*726.119	*
<b>-42.5</b>	786.082	*780.818	*772.116	*766.780	*762.680	*747.130	*717.583	*694.393	*669.951	*628.037	*
<b>-47.5</b>	638.495	640.418	640.903	637.461	632.230	622.313	606.023	590.426	577.308	554.577	
<b>-55.0</b>	510.466	504.337	495.542	482.960	475.546	481.554	479.079	469.323	464.078	461.082	
<b>-65.0</b>	286.432	291.060	296.889	303.586	309.446	315.730	322.434	329.891	336.826	340.164	
<b>-75.0</b>	154.443	156.141	157.780	158.817	159.140	158.924	172.527	186.919	201.071	217.229	
<b>-85.0</b>	10.298	14.308	19.154	24.910	30.591	37.108	53.179	73.489	95.479	119.720	
<b>-90.0</b>	11.090	13.898	17.409	21.622	25.834	30.748	43.760	61.170	80.513	102.560	

**Vert. Angles**      **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
<b>90.0</b>	1586.839	*1152.358	*681.446	*376.131	223.520
<b>85.0</b>	1753.777	*1265.337	*746.828	*382.851	223.519
<b>75.0</b>	2048.287	*1462.527	*865.938	*392.812	223.517
<b>65.0</b>	2345.976	*1653.826	*972.527	*397.733	223.516
<b>55.0</b>	2414.865	*1775.822	*1041.618	*396.667	223.514
<b>47.5</b>	2406.771	*1797.566	*1053.028	*391.429	223.513
<b>42.5</b>	2398.181	*1782.831	*1046.101	*385.371	223.512
<b>37.5</b>	2340.365	*1764.925	*1031.122	*377.764	223.512
<b>33.0</b>	2307.618	*1751.721	*1008.172	*368.269	223.511
<b>29.0</b>	2290.378	*1713.172	*982.944	*359.051	223.511
<b>25.5</b>	2252.381	*1667.427	*959.831	*349.872	223.511
<b>22.5</b>	2214.100	*1623.951	*936.002	*341.232	223.510
<b>19.5</b>	2158.916	*1584.725	*908.419	*331.930	223.510
<b>17.0</b>	2103.597	*1550.338	*882.913	*323.709	223.510
<b>15.0</b>	2056.098	*1520.992	*861.089	*316.849	223.510
<b>13.0</b>	2009.830	*1489.778	*838.013	*309.756	223.510
<b>11.0</b>	1963.327	*1457.051	*813.704	*304.012	223.510
<b>9.0</b>	1915.109	*1422.778	*788.176	*295.958	223.510

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	1864.709	*1386.920	*761.445	* 287.859	223.510
<b>5.0</b>	1812.318	*1349.446	*736.930	* 279.725	223.510
<b>3.0</b>	1759.591	*1312.200	*705.694	* 271.564	223.510
<b>1.0</b>	1702.533	*1269.733	*674.392	* 259.300	223.510
<b>0.0</b>	1673.970	*1248.480	*658.730	* 259.300	223.510
<b>-1.0</b>	1647.252	*1231.804	*654.552	* 259.426	223.510
<b>-3.0</b>	1593.880	*1198.481	*646.203	* 259.677	223.510
<b>-5.0</b>	1536.095	*1160.140	*637.872	259.927	223.510
<b>-7.0</b>	1478.280	*1122.363	*623.432	260.177	223.511
<b>-9.0</b>	1418.754	*1083.435	*611.454	260.426	223.511
<b>-11.0</b>	1357.409	*1043.521	*598.813	260.673	223.512
<b>-13.0</b>	1294.964	*1002.781	*585.608	259.188	223.512
<b>-15.0</b>	1229.755	*961.372	* 571.932	258.867	223.512
<b>-17.0</b>	1165.669	*918.825	* 557.877	258.469	223.513
<b>-19.5</b>	1086.100	*864.529	* 539.913	257.862	223.513
<b>-22.5</b>	989.061	* 799.571	* 518.592	256.977	223.514
<b>-25.5</b>	924.181	* 736.290	* 497.594	255.927	223.514
<b>-29.0</b>	850.126	* 663.897	* 473.207	254.497	223.515
<b>-33.0</b>	769.774	* 585.580	445.950	252.603	223.516
<b>-37.5</b>	682.948	* 526.377	417.161	250.614	223.517
<b>-42.5</b>	598.405	483.134	390.135	247.618	223.518
<b>-47.5</b>	529.848	441.340	364.958	244.676	223.520
<b>-55.0</b>	445.214	389.349	333.664	240.179	223.521
<b>-65.0</b>	343.664	324.570	296.478	235.302	223.524
<b>-75.0</b>	243.072	257.412	267.924	231.244	223.526
<b>-85.0</b>	157.402	203.695	247.019	228.765	223.528
<b>-90.0</b>	139.683	188.503	236.641	227.888	223.529



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Luminaire Lumens (one side of beam only) = 6998.52  
 Total Field Lumens (one side of beam only) = 6733.09  
 \* 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	6.28 *	12.46 *	12.32 *	12.17 *	12.00 *	11.82 *	11.61 *	11.39 *	11.05 *	13.18 *
85	14.38 *	28.67 *	28.52 *	28.41 *	28.30 *	28.11 *	27.85 *	27.47 *	26.75 *	31.94 *
75	16.72 *	33.34 *	33.17 *	33.02 *	32.86 *	32.59 *	32.26 *	31.72 *	30.82 *	36.94 *
65	18.82 *	37.27 *	36.73 *	36.17 *	35.58 *	34.99 *	34.37 *	33.50 *	32.40 *	38.79 *
55	13.84 *	27.35 *	26.92 *	26.52 *	26.15 *	25.76 *	25.17 *	24.25 *	23.21 *	27.60 *
47.5	7.88 *	15.66 *	15.51 *	15.39 *	15.28 *	15.11 *	14.74 *	14.24 *	13.72 *	16.49 *
42.5	7.31 *	14.51 *	14.37 *	14.26 *	14.15 *	13.93 *	13.57 *	13.16 *	12.75 *	15.34 *
37.5	6.40 *	12.72 *	12.61 *	12.51 *	12.38 *	12.17 *	11.86 *	11.49 *	11.06 *	13.23 *
33	5.68 *	11.26 *	11.14 *	11.04 *	10.85 *	10.56 *	10.27 *	10.02 *	9.74 *	11.68 *
29	4.87 *	9.64 *	9.50 *	9.39 *	9.28 *	9.06 *	8.78 *	8.54 *	8.40 *	10.27 *
25.5	4.08 *	8.14 *	8.08 *	7.97 *	7.83 *	7.71 *	7.50 *	7.21 *	7.03 *	8.72 *
22.5	4.29 *	8.54 *	8.49 *	8.39 *	8.20 *	8.03 *	7.89 *	7.62 *	7.25 *	8.77 *
19.5	3.48 *	6.93 *	6.88 *	6.83 *	6.72 *	6.59 *	6.51 *	6.36 *	6.13 *	7.43 *
17	2.86 *	5.72 *	5.69 *	5.62 *	5.49 *	5.38 *	5.28 *	5.09 *	4.89 *	5.99 *
15	3.06 *	6.10 *	6.04 *	5.96 *	5.81 *	5.64 *	5.55 *	5.35 *	5.01 *	6.01 *
13	3.04 *	6.06 *	6.00 *	5.94 *	5.83 *	5.66 *	5.64 *	5.56 *	5.20 *	6.08 *
11	2.91 *	5.85 *	5.85 *	5.86 *	5.81 *	5.66 *	5.69 *	5.70 *	5.39 *	6.22 *
9	3.09 *	6.18 *	6.10 *	6.13 *	6.00 *	5.74 *	5.79 *	5.79 *	5.50 *	6.35 *
7	2.99 *	5.94 *	5.84 *	5.90 *	5.77 *	5.57 *	5.74 *	5.74 *	5.48 *	6.41 *
5	2.94 *	5.88 *	5.86 *	5.81 *	5.63 *	5.56 *	5.67 *	5.58 *	5.34 *	6.29 *
3	3.04 *	6.01 *	5.99 *	5.86 *	5.67 *	5.59 *	5.50 *	5.31 *	5.09 *	6.05 *
1	1.41 *	2.77 *	2.75 *	2.73 *	2.71 *	2.66 *	2.60 *	2.53 *	2.44 *	2.92 *
0	1.36 *	2.75 *	2.75 *	2.72 *	2.66 *	2.60 *	2.53 *	2.45 *	2.37 *	2.85 *
-1	2.71 *	5.46 *	5.45 *	5.36 *	5.23 *	5.09 *	4.91 *	4.70 *	4.54 *	5.50 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

<b>-3</b>	2.51 *	5.01 *	4.96 *	4.93 *	4.88 *	4.80 *	4.68 *	4.43 *	4.26 *	5.22 *
<b>-5</b>	2.30 *	4.61 *	4.57 *	4.58 *	4.54 *	4.47 *	4.41 *	4.18 *	3.99 *	4.90 *
<b>-7</b>	2.13 *	4.27 *	4.23 *	4.23 *	4.15 *	4.07 *	4.02 *	3.84 *	3.67 *	4.51 *
<b>-9</b>	1.89 *	3.77 *	3.75 *	3.73 *	3.67 *	3.61 *	3.58 *	3.48 *	3.36 *	4.10 *
<b>-11</b>	1.72 *	3.43 *	3.41 *	3.38 *	3.34 *	3.29 *	3.25 *	3.19 *	3.10 *	3.74 *
<b>-13</b>	1.60 *	3.20 *	3.16 *	3.13 *	3.10 *	3.06 *	3.00 *	2.94 *	2.86 *	3.43 *
<b>-15</b>	1.47 *	2.94 *	2.92 *	2.89 *	2.85 *	2.81 *	2.75 *	2.68 *	2.60 *	3.14 *
<b>-17</b>	1.63 *	3.26 *	3.25 *	3.22 *	3.17 *	3.11 *	3.06 *	2.99 *	2.91 *	3.52 *
<b>-19.5</b>	1.64 *	3.29 *	3.27 *	3.24 *	3.22 *	3.18 *	3.13 *	3.08 *	3.02 *	3.67 *
<b>-22.5</b>	1.36 *	2.73 *	2.72 *	2.71 *	2.71 *	2.70 *	2.66 *	2.62 *	2.60 *	3.18 *
<b>-25.5</b>	1.39 *	2.79 *	2.79 *	2.78 *	2.78 *	2.77 *	2.74 *	2.70 *	2.67 *	3.29 *
<b>-29</b>	1.43 *	2.87 *	2.87 *	2.86 *	2.84 *	2.82 *	2.79 *	2.75 *	2.71 *	3.33 *
<b>-33</b>	1.43 *	2.86 *	2.86 *	2.84 *	2.82 *	2.78 *	2.74 *	2.71 *	2.67 *	3.27 *
<b>-37.5</b>	1.34 *	2.69 *	2.69 *	2.68 *	2.65 *	2.62 *	2.59 *	2.56 *	2.52 *	3.09 *
<b>-42.5</b>	1.08 *	2.16 *	2.17 *	2.17 *	2.16 *	2.14 *	2.12 *	2.11 *	2.09 *	2.57 *
<b>-47.5</b>	1.34	2.68	2.67	2.66	2.64	2.60	2.57	2.55	2.52	3.09
<b>-55</b>	1.26	2.52	2.51	2.49	2.46	2.43	2.40	2.36	2.33	2.88
<b>-65</b>	0.69	1.38	1.38	1.38	1.37	1.35	1.33	1.31	1.31	1.64
<b>-75</b>	0.29	0.57	0.56	0.55	0.54	0.52	0.51	0.49	0.49	0.63
<b>-85</b>	0.02	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.06
<b>-90</b>										
<b>Total</b>	171.95	342.28	339.34	336.43	332.09	326.76	321.64	313.77	303.28	364.30

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	14.87 *	13.84 *	14.85 *	15.28 *	15.09 *	14.20 *	11.70 *	13.46 *	11.30 *	5.24 *
<b>85</b>	35.92 *	33.09 *	35.01 *	35.76 *	35.30 *	33.14 *	27.17 *	30.98 *	25.70 *	11.84 *
<b>75</b>	41.71 *	38.59 *	40.90 *	41.76 *	41.19 *	38.71 *	31.86 *	36.19 *	29.65 *	13.54 *
<b>65</b>	43.85 *	40.91 *	43.76 *	44.41 *	43.55 *	41.28 *	34.32 *	39.10 *	32.26 *	14.89 *
<b>55</b>	31.25 *	29.38 *	31.63 *	32.10 *	31.48 *	30.21 *	25.35 *	29.23 *	24.76 *	11.61 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>	18.85 *	17.76 *	19.26 *	20.23 *	20.30 *	19.38 *	16.34 *	19.18 *	16.48 *	7.75 *
<b>42.5</b>	17.55 *	16.64 *	18.07 *	18.89 *	19.31 *	18.86 *	15.98 *	18.83 *	16.28 *	7.70 *
<b>37.5</b>	15.21 *	14.56 *	15.95 *	16.57 *	16.65 *	16.35 *	14.00 *	16.58 *	14.47 *	6.87 *
<b>33</b>	13.36 *	12.67 *	13.90 *	14.75 *	14.87 *	14.23 *	12.20 *	14.61 *	12.70 *	6.01 *
<b>29</b>	11.74 *	11.03 *	12.05 *	12.71 *	12.89 *	12.45 *	10.59 *	12.60 *	10.89 *	5.14 *
<b>25.5</b>	10.18 *	9.57 *	10.34 *	10.86 *	10.94 *	10.59 *	9.00 *	10.60 *	9.15 *	4.31 *
<b>22.5</b>	10.28 *	9.80 *	10.44 *	10.85 *	10.96 *	10.58 *	8.95 *	10.45 *	8.97 *	4.21 *
<b>19.5</b>	8.71 *	8.37 *	8.92 *	9.10 *	9.10 *	8.77 *	7.41 *	8.61 *	7.32 *	3.43 *
<b>17</b>	7.09 *	6.83 *	7.28 *	7.32 *	7.21 *	6.95 *	5.87 *	6.79 *	5.74 *	2.69 *
<b>15</b>	7.14 *	6.88 *	7.34 *	7.36 *	7.19 *	6.90 *	5.80 *	6.67 *	5.64 *	2.63 *
<b>13</b>	7.11 *	6.87 *	7.35 *	7.41 *	7.18 *	6.82 *	5.70 *	6.54 *	5.53 *	2.58 *
<b>11</b>	7.10 *	6.82 *	7.33 *	7.41 *	7.14 *	6.69 *	5.58 *	6.40 *	5.41 *	2.52 *
<b>9</b>	7.15 *	6.78 *	7.25 *	7.30 *	7.01 *	6.54 *	5.44 *	6.24 *	5.29 *	2.46 *
<b>7</b>	7.17 *	6.68 *	7.08 *	7.11 *	6.84 *	6.39 *	5.30 *	6.08 *	5.16 *	2.40 *
<b>5</b>	7.03 *	6.48 *	6.85 *	6.89 *	6.65 *	6.22 *	5.15 *	5.92 *	5.03 *	2.33 *
<b>3</b>	6.77 *	6.23 *	6.59 *	6.66 *	6.46 *	6.05 *	4.99 *	5.74 *	4.89 *	2.26 *
<b>1</b>	3.28 *	3.02 *	3.19 *	3.23 *	3.15 *	2.95 *	2.43 *	2.80 *	2.39 *	1.10 *
<b>0</b>	3.22 *	2.97 *	3.13 *	3.16 *	3.09 *	2.90 *	2.39 *	2.75 *	2.35 *	1.09 *
<b>-1</b>	6.26 *	5.79 *	6.08 *	6.11 *	5.96 *	5.59 *	4.62 *	5.35 *	4.59 *	2.13 *
<b>-3</b>	6.02 *	5.58 *	5.81 *	5.79 *	5.65 *	5.31 *	4.40 *	5.13 *	4.43 *	2.08 *
<b>-5</b>	5.72 *	5.33 *	5.51 *	5.46 *	5.33 *	5.02 *	4.18 *	4.90 *	4.27 *	2.02 *
<b>-7</b>	5.30 *	4.98 *	5.15 *	5.12 *	5.01 *	4.72 *	3.96 *	4.68 *	4.10 *	1.96 *
<b>-9</b>	4.79 *	4.52 *	4.76 *	4.79 *	4.69 *	4.43 *	3.73 *	4.44 *	3.93 *	1.90 *
<b>-11</b>	4.31 *	4.08 *	4.38 *	4.46 *	4.38 *	4.15 *	3.50 *	4.21 *	3.76 *	1.84 *
<b>-13</b>	3.92 *	3.71 *	4.02 *	4.14 *	4.10 *	3.88 *	3.28 *	3.97 *	3.58 *	1.77 *
<b>-15</b>	3.59 *	3.39 *	3.68 *	3.82 *	3.82 *	3.64 *	3.07 *	3.73 *	3.41 *	1.71 *
<b>-17</b>	4.04 *	3.83 *	4.17 *	4.36 *	4.40 *	4.27 *	3.62 *	4.37 *	4.00 *	2.04 *
<b>-19.5</b>	4.24 *	4.07 *	4.47 *	4.69 *	4.78 *	4.73 *	4.06 *	4.86 *	4.43 *	2.30 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	3.70 *	3.58 *	3.99 *	4.22 *	4.33 *	4.32 *	3.75 *	4.49 *	4.07 *	2.15
<b>-25.5</b>	3.85 *	3.72 *	4.17 *	4.46 *	4.59 *	4.57 *	3.98 *	4.83 *	4.37 *	2.32
<b>-29</b>	3.91 *	3.78 *	4.22 *	4.54 *	4.71 *	4.66 *	4.05 *	4.99 *	4.50 *	2.42
<b>-33</b>	3.83 *	3.71 *	4.14 *	4.46 *	4.64 *	4.59 *	3.99 *	4.96 *	4.51	2.46
<b>-37.5</b>	3.62 *	3.51 *	3.93 *	4.22 *	4.38 *	4.39 *	3.84 *	4.81 *	4.47	2.50
<b>-42.5</b>	3.02 *	2.94 *	3.30 *	3.55 *	3.69 *	3.75	3.33	4.22	4.01	2.30
<b>-47.5</b>	3.62	3.51	3.96	4.33	4.56	4.66	4.23	5.46	5.30	3.13
<b>-55</b>	3.38	3.30	3.78	4.22	4.54	4.74	4.39	5.82	5.88	3.64
<b>-65</b>	1.97	1.96	2.26	2.56	2.88	3.13	3.01	4.20	4.58	3.09
<b>-75</b>	0.77	0.78	0.92	1.11	1.38	1.65	1.74	2.70	3.37	2.62
<b>-85</b>	0.09	0.10	0.14	0.21	0.32	0.45	0.54	0.94	1.34	1.17
<b>-90</b>										
<b>Total</b>	416.46	391.93	421.30	433.75	431.67	413.82	348.81	409.38	354.24	172.15

Vert. Angles	Horizontal Angles			<u>Total</u>
	<u>75</u>	<u>85</u>	<u>90</u>	
<b>90</b>				
	1.53	0.10		245.76
<b>85</b>				
	3.34	0.21		577.85
<b>75</b>				
	3.69 *	0.22		671.46
<b>65</b>				
	3.95 *	0.22		721.12
<b>55</b>				
	3.05 *	0.16		526.98
<b>47.5</b>				
	2.03 *	0.11		321.68
<b>42.5</b>				
	2.02 *	0.11		303.58
<b>37.5</b>				
	1.79 *	0.10		265.51
<b>33</b>				
	1.56 *	0.08		233.19
<b>29</b>				
	1.34 *	0.07		201.23
<b>25.5</b>				
	1.13 *	0.06		170.99
<b>22.5</b>				
	1.10	0.06		174.12
<b>19.5</b>				
	0.89	0.05		144.54
<b>17</b>				
	0.70	0.04		116.51

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

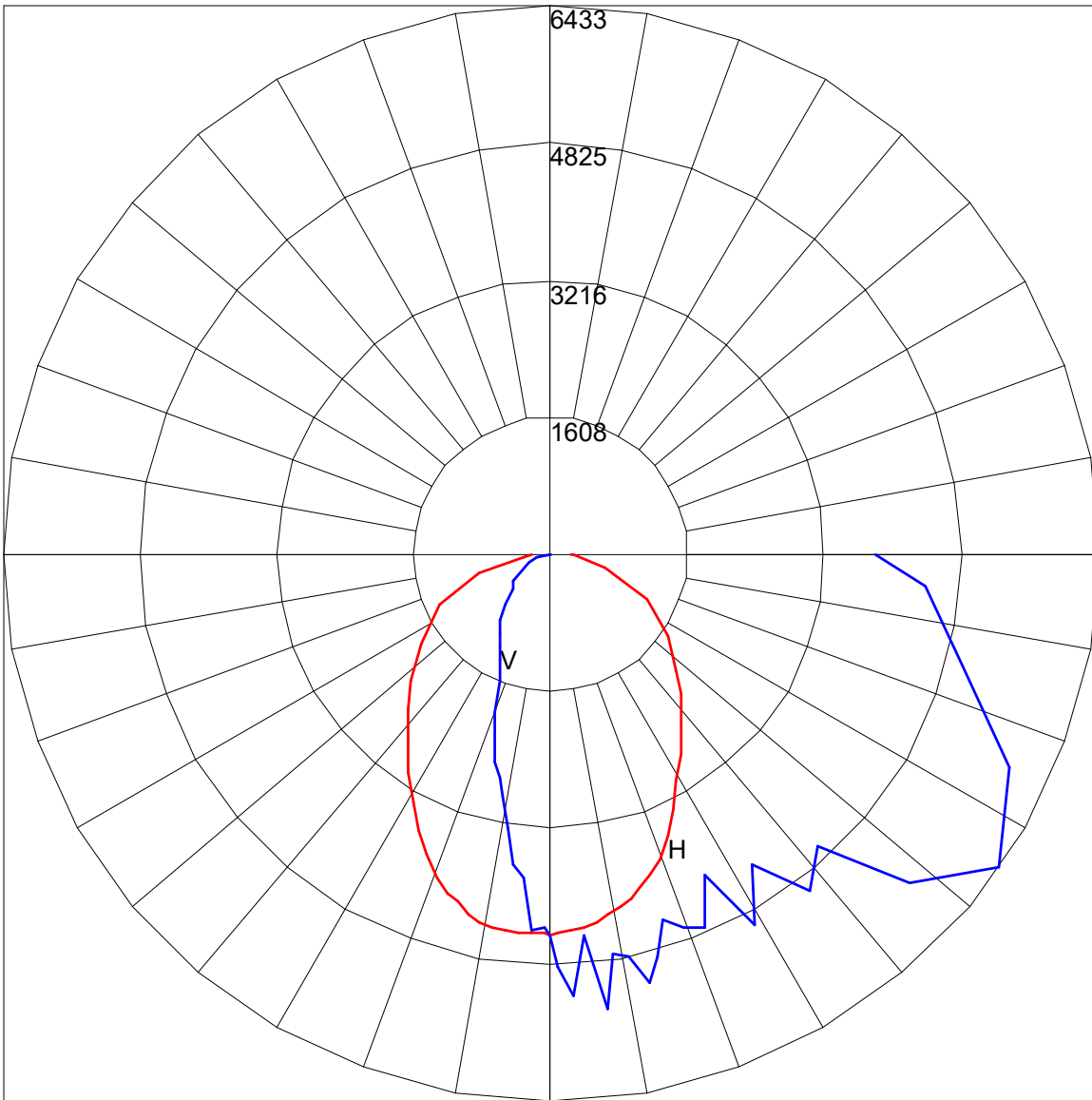
<b>15</b>	0.68	0.04	118.81
<b>13</b>	0.67	0.04	118.81
<b>11</b>	0.65	0.04	118.00
<b>9</b>	0.63	0.04	118.81
<b>7</b>	0.62	0.04	116.24
<b>5</b>	0.60	0.04	113.74
<b>3</b>	0.58	0.04	111.35
<b>1</b>	0.28	0.02	53.39
<b>0</b>	0.28	0.02	52.38
<b>-1</b>	0.55	0.03	101.99
<b>-3</b>	0.55	0.03	96.49
<b>-5</b>	0.54	0.03	90.86
<b>-7</b>	0.53	0.03	84.66
<b>-9</b>	0.52	0.03	77.46
<b>-11</b>	0.51	0.03	71.46
<b>-13</b>	0.50	0.03	66.38
<b>-15</b>	0.49	0.03	61.45
<b>-17</b>	0.60	0.04	69.85
<b>-19.5</b>	0.70	0.05	74.11
<b>-22.5</b>	0.68	0.05	65.32
<b>-25.5</b>	0.77	0.06	68.37
<b>-29</b>	0.84	0.07	69.96
<b>-33</b>	0.90	0.08	69.23
<b>-37.5</b>	0.94	0.08	66.16
<b>-42.5</b>	0.89	0.08	55.84
<b>-47.5</b>	1.26	0.12	69.43
<b>-55</b>	1.55	0.16	69.03
<b>-65</b>	1.42	0.16	44.36

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : MILGWPKSR-LED135DMVBZ50.IES

LUMENS TABULATION - (Cont.)

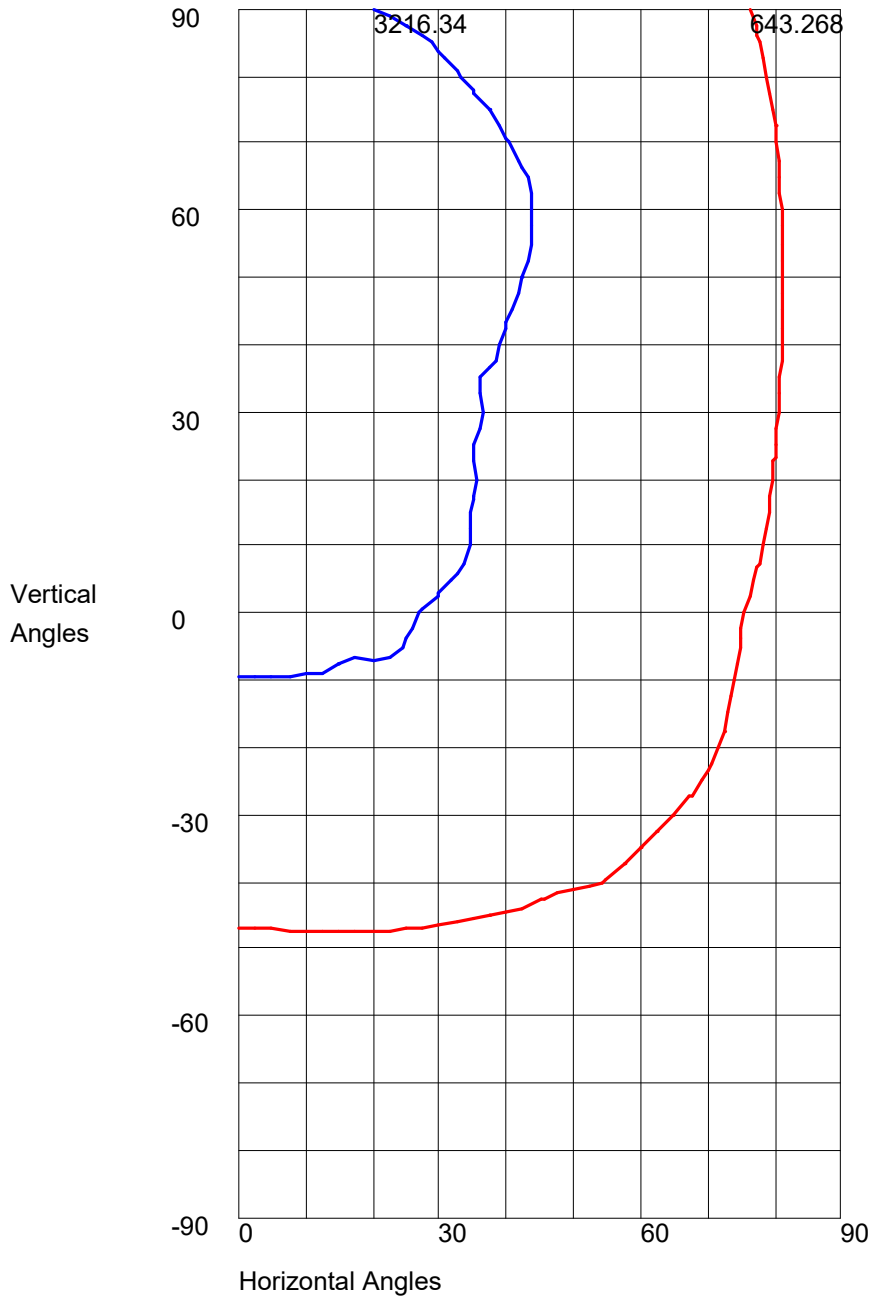
<b>-75</b>	1.34	0.16	23.68
<b>-85</b>	0.64	0.08	6.39
<b>-90</b>			
<b>Total</b>	49.84	3.35	6998.52

AXIAL CANDELA DISPLAY



Maximum Candela = 6432.68 Located At Horizontal Angle = 0, Vertical Angle = 55  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 6432.68 Located At Horizontal Angle = 0, Vertical Angle = 55  
50% Maximum Candela = 3216.34  
10% Maximum Candela = 643.268