



**IES FLOOD REPORT**

**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 05 May 2017

[ISSUE DATE] 2017-05-12 17:33:27

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] MOBERN LIGHTING CO.

[LUMCAT] MIMDCOWPKSR-LED70DMVBZ50

[BALLAST] 120-277V,60Hz

[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	272.95	272.95	3.63	3.63
[OTHER] 10- 20	763.86	1036.81	13.79	13.79
[OTHER] 20- 30	1114.12	2150.93	28.60	28.60
[OTHER] 30- 40	1344.54	3495.47	46.48	46.48
[OTHER] 40- 50	1430.15	4925.62	65.50	65.50
[OTHER] 50- 60	1292.97	6218.59	82.70	82.70
[OTHER] 60- 70	922.00	7140.59	94.96	94.96
[OTHER] 70- 80	338.91	7479.50	99.46	99.46
[OTHER] 80- 90	24.65	7504.15	99.79	99.79
[OTHER] 90-100	1.23	7505.38	99.81	99.81
[OTHER] 100-110	1.66	7507.04	99.83	99.83
[OTHER] 110-120	2.30	7509.34	99.86	99.86
[OTHER] 120-130	2.51	7511.85	99.90	99.90
[OTHER] 130-140	2.39	7514.24	99.93	99.93
[OTHER] 140-150	2.13	7516.37	99.96	99.96
[OTHER] 150-160	1.74	7518.11	99.98	99.98
[OTHER] 160-170	1.17	7519.28	99.99	99.99
[OTHER] 170-180	0.45	7519.73	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 6 V
Maximum Candela	3105.237
Maximum Candela Angle	3H 13V
Horizontal Beam Angle (50%)	120.5
Vertical Beam Angle (50%)	82.2
Horizontal Field Angle (10%)	160.8
Vertical Field Angle (10%)	129.2
Lumens Per Lamp	7519.7 (1 lamp)
Total Lamp Lumens	7519.7
Beam Lumens	5321
Beam Efficiency	71 %
Field Lumens	7322
Field Efficiency	97 %
Spill Lumens	178
Luminaire Lumens	7499
Total Efficiency	100 %
Total Luminaire Watts	70.1
Ballast Factor	0.99

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	1.42	90	.761
85	3.43	85	1.46
75	643.92	75	78.18
65	1341.01	65	828.38
55	1710.02	55	1841.14
47.5	1978.935	47.5	2350.79
42.5	2140.62	42.5	2601.485
37.5	2295.12	37.5	2766.115
33	2436.24	33	2872.56
29	2512.57	29	2943.3
25.5	2597.225	25.5	2996.945
22.5	2668.665	22.5	3025.535
19.5	2740.16	19.5	3050.64
17	2787.35	17	3052.54
15	2822.81	15	3052.43
13	2820.83	13	3067.29
11	2852	11	3057.9
9	2870.58	9	3054.66
7	2881.49	7	3044.41
5	2891.75	5	3008.75
3	2903.95	3	2973.37
1	2901.34	1	2919.24
0	2898.283	0	2898.283
-1	2912.44	-1	2854.55
-3	2894.49	-3	2785.34
-5	2901.74	-5	2723.61
-7	2902.27	-7	2630.72
-9	2890.36	-9	2532.29
-11	2878.24	-11	2420.81
-13	2852.75	-13	2286.49
-15	2817.98	-15	2153.02
-17	2794.66	-17	2014.59
-19.5	2723.815	-19.5	1835.75
-22.5	2654.69	-22.5	1624.125
-25.5	2572.615	-25.5	1442.365
-29	2470.61	-29	1271.25
-33	2365.31	-33	1141.91
-37.5	2230.745	-37.5	1031.16
-42.5	2068.53	-42.5	829.03
-47.5	1921.905	-47.5	624.59
-55	1667.18	-55	344.45
-65	1293.73	-65	146.19
-75	710.37	-75	51.45
-85	46.88	-85	2.85
-90	1.362	-90	1.111

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**CANDELA TABULATION**

Maximum Candela = 3105.237  
 Beam Edge = 1552.6185 Cd (50% of Max.)  
 Field Edge = 310.5237 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	1.360	1.280	1.120	1.147	1.134	1.094	1.056	1.006	0.960	0.925
85.0	1.360	1.333	1.097	1.456	1.774	1.518	1.364	1.405	1.553	1.535
75.0	1.360	1.529	3.035	36.648	114.938	151.927	149.097	143.779	128.852	100.344
65.0	1.361	2.079	48.396	268.290	533.647 *	722.403 *	867.062 *	867.718 *	837.827 *	824.866 *
55.0	1.361	3.721	159.524	595.343 *	1114.363 *	1427.604 *	1525.859 *	1615.268 *	1698.236 *	1730.150 *
47.5	1.361	8.651	278.965	796.999 *	1444.272 *	1732.451 *	1876.953 *	2034.280 *	2091.627 *	2137.054 *
42.5	1.361	12.670	360.965 *	932.452 *	1566.684 *	1901.917 *	2056.653 *	2182.954 *	2284.576 *	2345.931 *
37.5	1.361	16.998	449.225 *	1044.942 *	1648.679 *	2012.448 *	2158.581 *	2290.559 *	2389.973 *	2475.109 *
33.0	1.362	21.837	517.014 *	1142.990 *	1692.246 *	2052.062 *	2233.930 *	2353.190 *	2460.765 *	2557.107 *
29.0	1.362	26.500	567.887 *	1207.501 *	1724.663 *	2076.190 *	2264.775 *	2395.140 *	2513.804 *	2617.784 *
25.5	1.362	30.278	602.575 *	1246.351 *	1746.004 *	2097.158 *	2275.478 *	2435.334 *	2543.597 *	2646.500 *
22.5	1.362	33.273	628.380 *	1272.283 *	1742.418 *	2109.363 *	2289.003 *	2443.068 *	2560.497 *	2664.524 *
19.5	1.362	36.026	649.376 *	1286.001 *	1765.032 *	2110.255 *	2292.053 *	2440.495 *	2561.852 *	2689.873 *
17.0	1.362	38.122	663.298 *	1295.158 *	1769.288 *	2111.935 *	2298.834 *	2440.647 *	2565.956 *	2686.550 *
15.0	1.362	39.664	673.096 *	1300.941 *	1765.155 *	2105.060 *	2294.339 *	2432.175 *	2560.803 *	2672.702 *
13.0	1.362	41.079	681.716 *	1305.530 *	1759.730 *	2090.573 *	2275.554 *	2430.473 *	2550.648 *	2663.681 *
11.0	1.362	44.683	689.174 *	1308.314 *	1752.728 *	2068.828 *	2251.457 *	2415.741 *	2532.977 *	2655.411 *
9.0	1.362	45.079	695.489 *	1309.341 *	1743.427 *	2045.223 *	2226.041 *	2382.973 *	2511.699 *	2632.805 *
7.0	1.362	45.477	700.681 *	1308.661 *	1731.021 *	2021.224 *	2196.118 *	2352.118 *	2483.572 *	2598.934 *
5.0	1.362	45.876	707.984 *	1306.335 *	1715.779 *	1996.304 *	2161.180 *	2319.959 *	2454.073 *	2563.689 *
3.0	1.362	46.277	708.937 *	1304.044 *	1700.136 *	1968.567 *	2125.363 *	2286.387 *	2421.143 *	2527.947 *
1.0	1.362	46.679	709.892 *	1297.170 *	1678.174 *	1938.114 *	2088.002 *	2249.980 *	2385.193 *	2490.873 *
0.0	1.362	46.880	710.370 *	1293.730 *	1667.180 *	1921.905 *	2068.530 *	2230.745 *	2365.310 *	2470.610 *
-1.0	1.362	46.880	706.654 *	1286.330 *	1655.266 *	1903.031 *	2044.302 *	2200.555 *	2329.841 *	2433.509 *
-3.0	1.362	46.620	699.226 *	1271.543 *	1631.465 *	1863.592 *	1994.106 *	2138.306 *	2255.511 *	2355.467 *
-5.0	1.362	46.447	691.815 *	1252.417 *	1602.347 *	1822.255 *	1941.894 *	2073.793 *	2179.407 *	2275.281 *
-7.0	1.362	46.274	678.338 *	1233.560 *	1573.712 *	1779.446 *	1888.035 *	2008.897 *	2101.895 *	2193.237 *
-9.0	1.362	46.102	667.035 *	1213.437 *	1543.715 *	1736.724 *	1834.315 *	1938.167 *	2025.674 *	2107.356 *
-11.0	1.362	45.931	654.812 *	1192.091 *	1512.478 *	1694.345 *	1780.519 *	1868.126 *	1946.799 *	2018.761 *
-13.0	1.362	42.483	641.691 *	1169.572 *	1480.869 *	1651.584 *	1728.686 *	1805.880 *	1877.048 *	1930.384 *
-15.0	1.362	41.253	627.693 *	1145.928 *	1446.567 *	1607.540 *	1673.719 *	1749.148 *	1809.740 *	1846.086 *
-17.0	1.362	39.884	612.843 *	1121.261 *	1412.155 *	1562.898 *	1626.579 *	1690.648 *	1739.379 *	1765.484 *
-19.5	1.362	37.982	593.118 *	1088.854 *	1367.545 *	1507.402 *	1568.728 *	1619.102 *	1651.126 *	1674.235 *
-22.5	1.362	35.431	566.786 *	1048.382 *	1311.510 *	1438.061 *	1497.253 *	1533.350 *	1556.836 *	1583.250 *
-25.5	1.362	32.598	537.705 *	1003.894 *	1249.709 *	1366.246 *	1418.004 *	1451.991 *	1471.794 *	1482.310 *
-29.0	1.362	28.951	501.349 *	950.133 *	1168.874 *	1279.345 *	1327.925 *	1359.484 *	1370.965 *	1379.673 *
-33.0	1.362	24.359	454.498 *	885.234 *	1065.821 *	1174.749 *	1216.764 *	1239.542 *	1253.207 *	1251.144 *
-37.5	1.362	19.540	396.026 *	795.585 *	946.739 *	1049.908 *	1069.848 *	1090.839 *	1105.392 *	1100.571 *
-42.5	1.361	14.836	318.909 *	648.359 *	795.697 *	876.224 *	893.641 *	893.006 *	903.249 *	897.869 *
-47.5	1.361	10.316	234.847	502.338 *	631.874 *	689.705 *	693.893 *	678.731 *	686.480 *	682.361 *
-55.0	1.361	4.560	150.606	338.345 *	392.283 *	413.586 *	396.145 *	384.399 *	387.935 *	373.842 *
-65.0	1.361	2.607	62.150	140.407	148.632	164.086	138.842	145.548	148.822	144.732
-75.0	1.361	1.885	13.722	32.665	39.271	44.578	42.456	46.303	48.604	49.411
-85.0	1.360	1.559	2.200	2.649	2.602	3.186	3.385	3.390	3.393	3.442
-90.0	1.360	1.447	1.621	1.861	1.705	1.290	1.126	1.076	1.030	0.998

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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	0.906	0.890	0.874	0.861	0.850	0.838	0.826	0.814	0.802	0.790
85.0	1.431	1.316	1.182	1.057	0.947	1.008	1.085	1.153	1.221	1.289
75.0	100.736	98.965	95.798	92.086	88.167	87.178	86.901	86.188	85.063	84.580
65.0	849.931 *	865.302 *	863.337 *	854.307 *	842.764 *	842.783 *	860.569 *	870.808 *	873.665 *	869.330 *
55.0	1723.289	*1756.505	*1788.511	*1804.969	*1813.115	*1817.904	*1824.522	*1832.710	*1838.413	*1841.786 *
47.5	2198.844	*2245.129	*2270.691	*2291.552	*2310.689	*2329.602	*2343.173	*2352.450	*2358.602	*2361.517 *
42.5	2409.122	*2468.954	*2512.803	*2534.710	*2554.556	*2576.398	*2585.939	*2594.062	*2600.046	*2603.641 *
37.5	2542.814	*2608.498	*2659.558	*2686.171	*2706.916	*2723.144	*2737.752	*2745.785	*2753.213	*2758.551 *
33.0	2636.742	*2696.250	*2750.164	*2787.662	*2805.716	*2820.838	*2829.947	*2841.528	*2852.950	*2862.896 *
29.0	2705.354	*2755.443	*2812.404	*2855.705	*2883.589	*2895.244	*2906.136	*2913.074	*2924.320	*2933.608 *
25.5	2732.458	*2802.242	*2854.118	*2882.832	*2902.864	*2925.314	*2945.153	*2961.029	*2975.114	*2985.016 *
22.5	2758.167	*2822.518	*2876.190	*2912.568	*2938.835	*2958.939	*2979.724	*2987.329	*2998.033	*3005.871 *
19.5	2766.097	*2842.271	*2899.910	*2938.090	*2961.511	*2986.271	*3017.869	*3026.811	*3030.762	*3033.570 *
17.0	2785.425	*2857.026	*2909.860	*2950.195	*2978.298	*3010.324	*3028.661	*3047.414	*3049.332	*3054.784 *
15.0	2785.950	*2857.257	*2918.563	*2953.727	*2995.015	*3003.205	*3029.511	*3048.727	*3061.358	*3063.391 *
13.0	2769.269	*2850.473	*2916.184	*2959.349	*2978.164	*3007.576	*3035.064	*3052.109	*3068.365	*3071.635 *
11.0	2747.554	*2842.665	*2903.493	*2953.064	*2977.309	*3005.605	*3016.749	*3041.800	*3057.921	*3067.208 *
9.0	2724.557	*2813.747	*2876.360	*2934.017	*2967.461	*2984.306	*3005.404	*3016.161	*3036.312	*3059.054 *
7.0	2708.689	*2785.067	*2844.207	*2904.562	*2928.920	*2966.380	*2982.422	*2994.660	*3007.785	*3021.094 *
5.0	2679.788	*2750.690	*2808.538	*2865.643	*2890.202	*2918.538	*2942.832	*2966.843	*2975.310	*2988.208 *
3.0	2638.402	*2712.481	*2780.484	*2833.749	*2858.836	*2884.042	*2901.458	*2921.489	*2931.467	*2956.788 *
1.0	2595.285	*2674.749	*2744.440	*2808.393	*2832.715	*2864.506	*2888.091	*2896.820	*2902.874	*2904.794 *
0.0	2572.615	*2654.690	*2723.815	*2794.660	*2817.980	*2852.750	*2878.240	*2890.360	*2902.270	*2901.740 *
-1.0	2532.555	*2616.832	*2686.341	*2754.465	*2779.395	*2810.206	*2840.041	*2844.902	*2846.192	*2859.751 *
-3.0	2449.437	*2536.817	*2607.507	*2667.479	*2696.949	*2720.887	*2754.931	*2761.635	*2770.705	*2803.609 *
-5.0	2362.320	*2452.275	*2523.107	*2575.187	*2609.638	*2638.004	*2670.163	*2682.292	*2697.128	*2702.146 *
-7.0	2269.783	*2356.932	*2428.205	*2477.542	*2514.985	*2547.428	*2571.831	*2589.770	*2601.045	*2610.713 *
-9.0	2174.940	*2247.829	*2317.365	*2367.604	*2408.460	*2440.241	*2464.007	*2489.140	*2495.794	*2500.894 *
-11.0	2081.011	*2132.282	*2197.115	*2253.325	*2290.706	*2319.925	*2341.019	*2361.921	*2372.444	*2394.549 *
-13.0	1984.517	*2029.928	*2081.009	*2125.817	*2161.589	*2192.965	*2217.109	*2234.587	*2246.879	*2274.197 *
-15.0	1889.970	*1923.613	*1962.934	*1998.587	*2031.001	*2057.221	*2087.438	*2100.312	*2120.379	*2139.009 *
-17.0	1801.795	*1827.470	*1852.923	*1871.158	*1897.138	*1923.530	*1943.271	*1964.837	*1991.542	*2002.520 *
-19.5	1698.848	*1715.415	*1723.498	*1735.011	*1749.812	*1764.289	*1771.338	*1798.910	*1819.793	*1832.962 *
-22.5	1587.849	*1591.720	*1591.064	*1596.530	*1599.184	*1595.995	*1601.458	*1612.631	*1625.046	*1637.486 *
-25.5	1487.781	*1482.159	*1478.659	*1473.591	*1465.302	*1459.475	*1460.183	*1457.299	*1451.078	*1454.546 *
-29.0	1372.334	*1369.245	*1353.288	*1338.697	*1327.080	*1323.697	*1316.271	*1303.587	*1290.675	*1291.435 *
-33.0	1247.687	*1237.622	*1220.183	*1202.578	*1198.933	*1191.916	*1179.106	*1163.362	*1157.210	*1157.159 *
-37.5	1096.335	*1087.951	*1070.150	*1066.191	*1063.140	*1058.219	*1049.065	*1035.440	*1038.399	*1038.769 *
-42.5	877.746 *	865.101 *	861.743 *	863.231 *	857.703 *	851.428 *	836.567 *	837.278 *	842.009 *	843.042 *
-47.5	662.690 *	641.307 *	646.782 *	647.872 *	645.668 *	639.659 *	631.345 *	635.132 *	636.718 *	636.020 *
-55.0	352.264 *	361.332 *	366.179 *	364.365 *	359.845 *	353.249 *	352.717 *	355.286 *	355.952 *	354.791 *
-65.0	142.903	144.732	146.795	148.065	148.389	148.250	148.789	149.104	149.136	148.828
-75.0	50.772	51.382	51.573	51.494	51.247	51.553	51.938	52.172	52.258	52.620
-85.0	3.625	3.711	3.739	3.722	3.686	3.602	3.616	3.476	3.337	3.198
-90.0	0.989	0.981	0.973	0.967	0.962	0.982	1.002	1.021	1.041	1.061

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	0.779	0.767	0.761	0.784	0.831	0.877	0.924	0.971	1.017	1.064
85.0	1.358	1.426	1.460	1.456	1.448	1.440	1.432	1.424	1.416	1.395
75.0	82.021	79.460	78.180	79.409	81.867	84.325	84.635	85.580	86.068	86.068
65.0	865.351 *	840.706 *	828.380 *	842.483 *	870.682 *	877.834 *	885.060 *	884.584 *	876.078 *	859.237 *

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**CANDELA TABULATION - (Cont.)**

55.0	1845.025	*1842.436	*1841.140	*1845.591	*1854.487	*1856.388	*1857.286	*1854.301	*1846.858	*1839.685	*
47.5	2360.648	*2355.327	*2350.790	*2359.512	*2373.247	*2382.667	*2388.528	*2389.478	*2383.937	*2372.600	*
42.5	2604.655	*2603.154	*2601.485	*2608.338	*2620.244	*2629.742	*2636.839	*2639.116	*2634.836	*2624.728	*
37.5	2763.120	*2765.640	*2766.115	*2771.051	*2778.998	*2783.835	*2786.617	*2789.983	*2786.761	*2774.773	*
33.0	2869.041	*2872.307	*2872.560	*2877.916	*2886.139	*2892.172	*2895.541	*2895.041	*2882.940	*2868.500	*
29.0	2939.468	*2942.785	*2943.300	*2948.553	*2957.080	*2963.845	*2968.462	*2963.052	*2946.240	*2938.255	*
25.5	2990.306	*2995.074	*2996.945	*3001.558	*3009.563	*3016.480	*3018.474	*3007.566	*3002.968	*3004.044	*
22.5	3015.382	*3022.556	*3025.535	*3030.825	*3039.921	*3045.929	*3048.399	*3047.541	*3044.171	*3026.217	*
19.5	3042.340	*3048.232	*3050.640	*3056.334	*3065.312	*3071.029	*3081.065	*3074.884	*3061.529	*3047.901	*
17.0	3054.734	*3053.488	*3052.540	*3064.992	*3086.973	*3097.023	*3092.017	*3093.527	*3079.849	*3061.158	*
15.0	3061.975	*3055.915	*3052.430	*3065.360	*3087.972	*3090.928	*3093.228	*3086.623	*3076.953	*3058.818	*
13.0	3069.447	*3067.639	*3067.290	*3079.793	*3105.237	*3099.916	*3086.213	*3079.273	*3067.140	*3057.003	*
11.0	3068.969	*3062.203	*3057.900	*3071.573	*3092.946	*3078.604	*3071.343	*3065.323	*3051.388	*3046.333	*
9.0	3048.908	*3051.706	*3054.660	*3067.712	*3078.275	*3064.570	*3069.001	*3067.228	*3048.707	*3041.094	*
7.0	3026.013	*3033.999	*3044.410	*3039.759	*3038.064	*3047.862	*3060.324	*3048.400	*3041.694	*3021.019	*
5.0	3000.958	*3000.234	*3008.750	*3009.958	*3011.784	*3009.116	*3020.778	*3016.808	*2994.977	*2967.424	*
3.0	2961.981	*2963.868	*2973.370	*2977.366	*2975.042	*2986.190	*2965.511	*2948.845	*2936.101	*2913.548	*
1.0	2913.245	*2917.217	*2919.240	*2922.157	*2937.051	*2913.651	*2911.492	*2894.626	*2879.739	*2853.299	*
0.0	2894.490	*2912.440	*2898.283	*2901.340	*2903.950	*2891.750	*2881.490	*2870.580	*2852.000	*2820.830	*
-1.0	2856.828	*2867.576	*2854.550	*2875.616	*2864.715	*2865.419	*2858.326	*2841.282	*2826.775	*2798.797	*
-3.0	2794.320	*2799.504	*2785.340	*2799.002	*2817.888	*2802.891	*2794.718	*2777.234	*2771.377	*2747.987	*
-5.0	2711.507	*2736.445	*2723.610	*2728.291	*2727.358	*2742.531	*2726.167	*2711.808	*2699.543	*2673.992	*
-7.0	2626.711	*2642.300	*2630.720	*2645.316	*2649.733	*2648.998	*2637.323	*2623.728	*2609.272	*2587.349	*
-9.0	2532.160	*2544.047	*2532.290	*2548.508	*2555.933	*2551.541	*2537.633	*2513.782	*2501.684	*2481.629	*
-11.0	2400.836	*2420.399	*2420.810	*2431.006	*2426.958	*2437.723	*2425.312	*2406.258	*2380.147	*2359.408	*
-13.0	2291.455	*2295.518	*2286.490	*2298.706	*2301.500	*2307.427	*2298.710	*2282.609	*2257.688	*2224.358	*
-15.0	2157.802	*2162.552	*2153.020	*2164.085	*2165.224	*2164.048	*2159.501	*2143.081	*2123.569	*2099.436	*
-17.0	2013.679	*2019.886	*2014.590	*2023.220	*2021.661	*2013.205	*2014.771	*2001.347	*1987.441	*1972.961	*
-19.5	1843.619	*1841.605	*1835.750	*1843.157	*1847.772	*1839.769	*1844.460	*1839.125	*1823.663	*1819.429	*
-22.5	1639.047	*1631.796	*1624.125	*1634.605	*1647.143	*1649.960	*1652.020	*1656.515	*1657.075	*1660.210	*
-25.5	1455.556	*1448.771	*1442.365	*1453.463	*1469.737	*1478.526	*1485.673	*1501.508	*1513.227	*1520.961	*
-29.0	1287.010	*1278.218	*1271.250	*1283.354	*1302.309	*1316.601	*1325.229	*1345.602	*1365.697	*1380.131	*
-33.0	1153.468	*1146.838	*1141.910	*1150.868	*1165.438	*1176.750	*1183.897	*1197.125	*1218.681	*1237.804	*
-37.5	1037.796	*1034.035	*1031.160	*1036.410	*1044.952	*1050.798	*1055.398	*1054.058	*1071.083	*1086.712	*
-42.5	840.362	* 833.806 *	* 829.030 *	* 835.274 *	* 844.735 *	* 850.230 *	* 851.864 *	* 849.814 *	* 852.276 *	* 871.071 *	
-47.5	633.113	* 627.986 *	* 624.590 *	* 629.125 *	* 636.511 *	* 641.620 *	* 644.425 *	* 644.669 *	* 642.270 *	* 653.036 *	
-55.0	353.638	* 347.514 *	* 344.450 *	* 347.420 *	* 353.358 *	* 354.254 *	* 355.107 *	* 354.041 *	* 350.956 *	* 351.249 *	
-65.0	148.699	147.026	146.190	146.909	148.348	148.194	148.182	147.764	146.980	145.870	
-75.0	52.152	51.684	51.450	51.539	51.717	51.895	51.272	50.927	50.452	49.848	
-85.0	3.059	2.920	2.850	2.883	2.948	3.014	3.080	3.145	3.211	3.164	
-90.0	1.081	1.101	1.111	1.092	1.055	1.018	0.981	0.944	0.907	0.870	

**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	1.111	1.081	1.044	1.000	0.956	0.905	0.892	0.895	0.898	0.943
85.0	1.391	1.430	1.470	1.504	1.519	1.508	1.444	1.345	1.209	1.251
75.0	86.781	90.612	94.239	97.212	98.396	96.787	126.107	145.135	153.676	141.934
65.0	863.255	* 880.396 *	* 893.887 *	* 896.140 *	* 882.964 *	* 864.208 *	* 887.178 *	* 926.926 *	* 930.539 *	* 750.760 *
55.0	1842.728	*1840.304	*1832.665	*1819.070	*1795.913	*1817.956	*1810.744	*1727.658	*1639.098	*1519.326
47.5	2361.794	*2353.033	*2343.788	*2326.882	*2278.063	*2234.897	*2201.190	*2169.122	*1995.784	*1830.027
42.5	2612.431	*2600.872	*2581.066	*2551.755	*2500.946	*2460.830	*2391.310	*2315.084	*2190.324	*2009.074
37.5	2761.452	*2750.354	*2721.024	*2682.305	*2631.936	*2586.070	*2518.794	*2411.235	*2293.236	*2130.108
33.0	2857.002	*2834.929	*2816.946	*2761.554	*2704.786	*2646.089	*2587.880	*2503.286	*2377.663	*2169.838
29.0	2933.307	*2908.409	*2873.446	*2822.841	*2781.024	*2707.779	*2627.171	*2552.686	*2401.261	*2190.806
25.5	2993.643	*2951.398	*2917.143	*2866.849	*2817.829	*2752.457	*2670.107	*2580.193	*2421.344	*2201.602

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**CANDELA TABULATION - (Cont.)**

<b>22.5</b>	3002.263	*2979.133	*2948.454	*2902.937	*2835.291	*2770.541	*2703.499	*2570.197	*2423.529	*2206.125 *
<b>19.5</b>	3035.802	*3007.339	*2981.113	*2917.071	*2853.153	*2783.937	*2693.934	*2579.878	*2420.767	*2210.704 *
<b>17.0</b>	3049.987	*3026.217	*2984.972	*2930.761	*2877.447	*2778.238	*2678.681	*2570.463	*2423.748	*2208.865 *
<b>15.0</b>	3042.378	*3025.059	*2992.323	*2942.427	*2867.260	*2765.843	*2677.944	*2561.266	*2417.515	*2192.784 *
<b>13.0</b>	3034.049	*3017.971	*2985.009	*2935.805	*2845.373	*2755.481	*2663.700	*2552.302	*2395.873	*2174.394 *
<b>11.0</b>	3027.124	*3009.033	*2960.640	*2907.213	*2818.689	*2737.300	*2642.759	*2529.431	*2357.631	*2154.638 *
<b>9.0</b>	3021.371	*2979.454	*2935.086	*2865.322	*2782.931	*2708.085	*2607.424	*2491.407	*2321.291	*2130.909 *
<b>7.0</b>	2985.449	*2932.911	*2901.685	*2830.900	*2745.471	*2670.028	*2575.968	*2452.328	*2285.033	*2103.013 *
<b>5.0</b>	2940.978	*2883.382	*2861.401	*2797.834	*2707.094	*2628.061	*2541.737	*2409.899	*2247.560	*2071.218 *
<b>3.0</b>	2891.269	*2854.125	*2815.269	*2746.112	*2669.882	*2583.425	*2502.672	*2365.944	*2206.855	*2036.329 *
<b>1.0</b>	2846.136	*2812.862	*2765.843	*2695.410	*2623.166	*2536.787	*2459.749	*2319.341	*2163.319	*1998.682 *
<b>0.0</b>	2822.810	*2787.350	*2740.160	*2668.665	*2597.225	*2512.570	*2436.240	*2295.120	*2140.620	*1978.935 *
<b>-1.0</b>	2792.555	*2755.543	*2708.701	*2638.437	*2565.779	*2482.255	*2405.289	*2269.866	*2120.411	*1963.390 *
<b>-3.0</b>	2726.145	*2686.022	*2643.664	*2573.671	*2499.368	*2419.155	*2339.799	*2217.741	*2078.471	*1930.779 *
<b>-5.0</b>	2647.801	*2610.354	*2574.142	*2505.978	*2428.284	*2352.497	*2271.906	*2163.636	*2034.706	*1896.389 *
<b>-7.0</b>	2554.084	*2517.766	*2479.417	*2424.493	*2356.804	*2280.595	*2201.547	*2109.155	*1989.367	*1860.517 *
<b>-9.0</b>	2449.203	*2415.838	*2374.938	*2320.286	*2269.160	*2202.946	*2131.386	*2048.655	*1940.627	*1823.037 *
<b>-11.0</b>	2331.380	*2299.543	*2263.440	*2212.580	*2169.975	*2120.800	*2057.415	*1986.906	*1890.684	*1784.313 *
<b>-13.0</b>	2205.141	*2180.700	*2147.179	*2108.320	*2071.158	*2036.683	*1986.796	*1924.548	*1842.881	*1745.045 *
<b>-15.0</b>	2079.341	*2056.415	*2032.566	*2007.629	*1975.676	*1953.217	*1916.360	*1862.455	*1791.874	*1705.612 *
<b>-17.0</b>	1950.550	*1932.868	*1927.486	*1907.024	*1888.468	*1871.546	*1847.483	*1799.357	*1738.803	*1664.912 *
<b>-19.5</b>	1812.399	*1806.285	*1801.547	*1797.657	*1792.704	*1776.930	*1760.625	*1721.478	*1671.634	*1606.124 *
<b>-22.5</b>	1666.674	*1667.575	*1669.405	*1677.238	*1676.939	*1673.546	*1654.821	*1630.029	*1590.358	*1533.327 *
<b>-25.5</b>	1531.426	*1543.898	*1555.312	*1559.025	*1561.842	*1567.464	*1554.362	*1536.740	*1506.199	*1457.403 *
<b>-29.0</b>	1392.057	*1407.362	*1422.259	*1434.387	*1437.117	*1446.223	*1444.748	*1431.677	*1406.611	*1368.646 *
<b>-33.0</b>	1252.209	*1261.659	*1277.374	*1291.393	*1302.625	*1309.553	*1311.107	*1307.042	*1287.239	*1260.289 *
<b>-37.5</b>	1098.407	*1106.325	*1114.249	*1131.186	*1139.945	*1150.046	*1157.457	*1148.994	*1139.061	*1125.893 *
<b>-42.5</b>	879.541 *	888.528 *	893.824 *	897.683 *	914.407 *	936.897 *	948.595 *	944.412 *	953.562 *	930.517 *
<b>-47.5</b>	661.602 *	666.507 *	668.388 *	666.214 *	690.984 *	712.611 *	714.854 *	711.725 *	727.918 *	721.656 *
<b>-55.0</b>	359.039 *	364.458 *	366.735 *	361.537 *	350.852 *	376.558 *	394.302 *	393.116 *	406.544 *	425.031 *
<b>-65.0</b>	145.638	145.397	144.470	142.847	140.536	141.866	145.871	141.370	133.297	156.068
<b>-75.0</b>	49.322	49.282	48.982	48.275	47.143	45.213	44.060	41.455	37.286	37.564
<b>-85.0</b>	3.195	3.144	3.059	2.924	2.747	2.482	2.348	2.280	2.288	2.238
<b>-90.0</b>	0.833	0.825	0.814	0.801	0.789	0.774	0.834	0.930	1.037	1.217

**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>	1.074	1.201	1.280	1.373	1.420
<b>85.0</b>	1.565	1.576	1.438	1.391	1.420
<b>75.0</b>	94.548	19.045	1.780	1.454	1.420
<b>65.0</b>	553.022 *	235.029	19.062	1.580	1.420
<b>55.0</b>	1111.473	*609.881 *	101.274	1.788	1.420
<b>47.5</b>	1503.211	*820.034 *	202.809	2.010	1.420
<b>42.5</b>	1652.909	*957.561 *	277.175	2.169	1.420
<b>37.5</b>	1737.468	*1084.307 *	*354.322 *	2.338	1.420
<b>33.0</b>	1788.520	*1175.576 *	*426.101 *	2.535	1.420
<b>29.0</b>	1822.922	*1252.811 *	*484.597 *	2.720	1.420
<b>25.5</b>	1831.105	*1298.993 *	*529.438 *	2.866	1.420
<b>22.5</b>	1827.550	*1327.159 *	*563.071 *	2.979	1.420
<b>19.5</b>	1838.396	*1341.834 *	*588.889 *	3.080	1.420
<b>17.0</b>	1839.311	*1351.200 *	*604.115 *	3.154	1.420
<b>15.0</b>	1834.735	*1357.022 *	*614.637 *	3.208	1.420
<b>13.0</b>	1827.663	*1361.721 *	*623.652 *	3.256	1.420
<b>11.0</b>	1815.054	*1364.178 *	*631.137 *	3.386	1.420
<b>9.0</b>	1800.841	*1364.460 *	*637.065 *	3.394	1.420

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	1784.293	*1362.644	*641.414	* 3.402	1.420
<b>5.0</b>	1765.546	*1358.812	*649.296	* 3.410	1.420
<b>3.0</b>	1746.668	*1354.994	*647.149	* 3.418	1.420
<b>1.0</b>	1722.246	*1345.674	*644.997	* 3.430	1.420
<b>0.0</b>	1710.020	*1341.010	*643.920	* 3.430	1.420
<b>-1.0</b>	1700.887	*1335.277	*641.475	* 3.481	1.420
<b>-3.0</b>	1682.643	*1323.822	*636.589	* 3.582	1.420
<b>-5.0</b>	1659.317	*1307.253	*631.714	* 3.683	1.420
<b>-7.0</b>	1636.341	*1291.033	*617.009	* 3.784	1.420
<b>-9.0</b>	1611.923	*1273.363	*605.891	* 3.884	1.420
<b>-11.0</b>	1586.131	*1254.315	*593.345	* 3.984	1.420
<b>-13.0</b>	1559.769	*1233.960	*579.428	* 3.891	1.420
<b>-15.0</b>	1530.766	*1212.371	*564.193	* 3.912	1.420
<b>-17.0</b>	1501.083	*1189.775	*547.697	* 3.915	1.420
<b>-19.5</b>	1462.757	*1159.765	*525.390	* 3.893	1.420
<b>-22.5</b>	1416.670	*1121.807	*493.776	* 3.824	1.420
<b>-25.5</b>	1348.576	*1074.389	*457.867	* 3.706	1.420
<b>-29.0</b>	1260.442	*1018.711	*413.404	* 3.501	1.420
<b>-33.0</b>	1151.518	*954.644	* 359.596	* 3.174	1.420
<b>-37.5</b>	1017.382	*843.045	* 296.312	2.769	1.420
<b>-42.5</b>	849.132	* 667.569	* 222.716	2.558	1.420
<b>-47.5</b>	664.604	* 515.225	* 167.043	2.340	1.420
<b>-55.0</b>	393.684	* 327.159	* 100.029	2.010	1.420
<b>-65.0</b>	139.544	115.035	33.806	1.733	1.420
<b>-75.0</b>	28.315	20.033	3.638	1.545	1.420
<b>-85.0</b>	2.261	2.224	1.721	1.446	1.420
<b>-90.0</b>	1.598	1.704	1.411	1.417	1.420



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Luminaire Lumens (one side of beam only) = 3749.67  
 Total Field Lumens (one side of beam only) = 3660.89  
 \* 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.12	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.34
75	1.39 *	2.85 *	2.90 *	2.91 *	2.91 *	2.88 *	2.82 *	2.78 *	2.78 *	3.49 *
65	4.08 *	8.22 *	8.27 *	8.25 *	8.22 *	8.14 *	8.02 *	7.92 *	7.86 *	9.73 *
55	4.79 *	9.61 *	9.61 *	9.59 *	9.54 *	9.46 *	9.36 *	9.25 *	9.12 *	11.20 *
47.5	3.78 *	7.57 *	7.57 *	7.56 *	7.53 *	7.47 *	7.39 *	7.29 *	7.18 *	8.81 *
42.5	4.09 *	8.19 *	8.18 *	8.16 *	8.12 *	8.07 *	7.99 *	7.88 *	7.76 *	9.51 *
37.5	3.87 *	7.73 *	7.72 *	7.70 *	7.66 *	7.60 *	7.52 *	7.42 *	7.31 *	8.95 *
33	3.54 *	7.09 *	7.08 *	7.06 *	7.01 *	6.95 *	6.88 *	6.80 *	6.70 *	8.19 *
29	3.17 *	6.34 *	6.33 *	6.30 *	6.26 *	6.21 *	6.14 *	6.07 *	5.97 *	7.29 *
25.5	2.75 *	5.50 *	5.49 *	5.47 *	5.44 *	5.39 *	5.34 *	5.27 *	5.17 *	6.32 *
22.5	2.78 *	5.55 *	5.54 *	5.52 *	5.50 *	5.45 *	5.39 *	5.31 *	5.22 *	6.38 *
19.5	2.33 *	4.66 *	4.65 *	4.64 *	4.62 *	4.58 *	4.52 *	4.46 *	4.38 *	5.36 *
17	1.86 *	3.73 *	3.74 *	3.73 *	3.71 *	3.67 *	3.63 *	3.58 *	3.52 *	4.30 *
15	1.87 *	3.74 *	3.75 *	3.73 *	3.71 *	3.67 *	3.63 *	3.57 *	3.51 *	4.30 *
13	1.87 *	3.75 *	3.75 *	3.73 *	3.70 *	3.66 *	3.62 *	3.57 *	3.51 *	4.29 *
11	1.86 *	3.74 *	3.73 *	3.71 *	3.68 *	3.65 *	3.61 *	3.56 *	3.49 *	4.26 *
9	1.86 *	3.71 *	3.70 *	3.69 *	3.66 *	3.63 *	3.59 *	3.53 *	3.46 *	4.21 *
7	1.84 *	3.68 *	3.67 *	3.65 *	3.63 *	3.60 *	3.55 *	3.49 *	3.42 *	4.16 *
5	1.82 *	3.64 *	3.63 *	3.61 *	3.58 *	3.54 *	3.49 *	3.44 *	3.37 *	4.10 *
3	1.79 *	3.59 *	3.58 *	3.56 *	3.53 *	3.49 *	3.44 *	3.39 *	3.33 *	4.05 *
1	0.89 *	1.77 *	1.77 *	1.76 *	1.75 *	1.73 *	1.70 *	1.68 *	1.65 *	2.00 *
0	0.88 *	1.76 *	1.75 *	1.74 *	1.73 *	1.71 *	1.69 *	1.66 *	1.63 *	1.98 *
-1	1.72 *	3.45 *	3.44 *	3.42 *	3.39 *	3.36 *	3.32 *	3.26 *	3.20 *	3.89 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

-3	1.68 *	3.37 *	3.36 *	3.34 *	3.31 *	3.27 *	3.23 *	3.17 *	3.11 *	3.78 *
-5	1.63 *	3.27 *	3.25 *	3.24 *	3.21 *	3.17 *	3.13 *	3.07 *	3.00 *	3.65 *
-7	1.58 *	3.16 *	3.14 *	3.12 *	3.09 *	3.05 *	3.01 *	2.95 *	2.88 *	3.50 *
-9	1.51 *	3.02 *	3.01 *	2.99 *	2.96 *	2.92 *	2.87 *	2.82 *	2.75 *	3.34 *
-11	1.44 *	2.87 *	2.86 *	2.84 *	2.81 *	2.77 *	2.73 *	2.67 *	2.61 *	3.17 *
-13	1.36 *	2.71 *	2.70 *	2.68 *	2.65 *	2.62 *	2.57 *	2.52 *	2.47 *	3.00 *
-15	1.27 *	2.55 *	2.53 *	2.52 *	2.49 *	2.45 *	2.41 *	2.37 *	2.32 *	2.83 *
-17	1.47 *	2.94 *	2.93 *	2.91 *	2.88 *	2.84 *	2.79 *	2.75 *	2.70 *	3.31 *
-19.5	1.58 *	3.18 *	3.18 *	3.16 *	3.13 *	3.10 *	3.06 *	3.03 *	2.99 *	3.69 *
-22.5	1.41 *	2.83 *	2.83 *	2.83 *	2.81 *	2.80 *	2.79 *	2.77 *	2.75 *	3.41 *
-25.5	1.45 *	2.92 *	2.94 *	2.94 *	2.95 *	2.96 *	2.96 *	2.95 *	2.94 *	3.66 *
-29	1.48 *	2.97 *	2.99 *	3.00 *	3.01 *	3.03 *	3.04 *	3.05 *	3.04 *	3.79 *
-33	1.49 *	3.00 *	3.02 *	3.02 *	3.02 *	3.03 *	3.05 *	3.05 *	3.05 *	3.79 *
-37.5	1.42 *	2.86 *	2.87 *	2.87 *	2.85 *	2.84 *	2.86 *	2.87 *	2.86 *	3.55 *
-42.5	1.11 *	2.24 *	2.25 *	2.25 *	2.24 *	2.22 *	2.23 *	2.24 *	2.24 *	2.77 *
-47.5	1.11 *	2.24 *	2.26 *	2.26 *	2.25 *	2.23 *	2.22 *	2.23 *	2.23 *	2.77 *
-55	0.75	1.52	1.53	1.53	1.52	1.50	1.49	1.49	1.49	1.85
-65	0.30	0.61	0.61	0.61	0.60	0.60	0.59	0.58	0.58	0.71
-75	0.08	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.19
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>Total</b>	79.07	158.55	158.55	158.02	157.08	155.76	154.09	152.18	150.01	183.92

**Vert. Horizontal Angles**

Angles	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.42	0.42	0.48	0.60	0.77	0.87	0.81	0.91	0.52	0.09
75	4.16 *	4.06 *	4.52 *	5.05 *	5.68 *	6.10 *	5.20 *	5.47 *	3.53	0.82
65	11.43 *	11.05 *	12.43 *	13.67 *	14.51 *	14.73 *	12.63 *	13.81 *	9.55 *	2.65
55	13.10 *	12.63 *	14.14 *	15.39 *	16.10 *	15.95 *	13.67 *	15.65 *	11.40 *	3.48 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

<b>47.5</b>	10.29 *	9.90 *	11.00 *	11.84 *	12.36 *	12.26 *	10.49 *	12.18 *	9.20 *	3.01 *
<b>42.5</b>	11.08 *	10.64 *	11.82 *	12.70 *	13.14 *	13.05 *	11.27 *	13.09 *	10.10 *	3.55 *
<b>37.5</b>	10.41 *	9.98 *	11.08 *	11.88 *	12.29 *	12.22 *	10.55 *	12.24 *	9.68 *	3.63 *
<b>33</b>	9.51 *	9.13 *	10.12 *	10.82 *	11.19 *	11.13 *	9.56 *	11.09 *	8.98 *	3.52 *
<b>29</b>	8.47 *	8.14 *	9.02 *	9.63 *	9.95 *	9.86 *	8.44 *	9.81 *	8.07 *	3.27 *
<b>25.5</b>	7.35 *	7.06 *	7.81 *	8.35 *	8.61 *	8.50 *	7.28 *	8.45 *	7.01 *	2.91 *
<b>22.5</b>	7.42 *	7.11 *	7.86 *	8.39 *	8.63 *	8.51 *	7.29 *	8.47 *	7.07 *	2.99 *
<b>19.5</b>	6.22 *	5.96 *	6.58 *	7.00 *	7.18 *	7.10 *	6.08 *	7.08 *	5.94 *	2.53 *
<b>17</b>	4.99 *	4.78 *	5.26 *	5.58 *	5.73 *	5.67 *	4.86 *	5.65 *	4.76 *	2.04 *
<b>15</b>	4.99 *	4.77 *	5.24 *	5.56 *	5.72 *	5.65 *	4.83 *	5.63 *	4.76 *	2.06 *
<b>13</b>	4.97 *	4.74 *	5.21 *	5.53 *	5.68 *	5.60 *	4.78 *	5.59 *	4.75 *	2.07 *
<b>11</b>	4.93 *	4.70 *	5.17 *	5.49 *	5.63 *	5.53 *	4.73 *	5.54 *	4.74 *	2.08 *
<b>9</b>	4.87 *	4.64 *	5.11 *	5.43 *	5.56 *	5.45 *	4.66 *	5.49 *	4.72 *	2.09 *
<b>7</b>	4.82 *	4.59 *	5.05 *	5.36 *	5.48 *	5.37 *	4.60 *	5.43 *	4.69 *	2.09 *
<b>5</b>	4.75 *	4.53 *	4.97 *	5.28 *	5.40 *	5.28 *	4.53 *	5.36 *	4.66 *	2.09 *
<b>3</b>	4.68 *	4.46 *	4.90 *	5.20 *	5.31 *	5.19 *	4.45 *	5.28 *	4.62 *	2.08 *
<b>1</b>	2.31 *	2.20 *	2.42 *	2.57 *	2.62 *	2.56 *	2.19 *	2.61 *	2.29 *	1.04 *
<b>0</b>	2.29 *	2.18 *	2.39 *	2.54 *	2.59 *	2.53 *	2.17 *	2.59 *	2.28 *	1.04 *
<b>-1</b>	4.48 *	4.26 *	4.68 *	4.97 *	5.08 *	4.98 *	4.28 *	5.12 *	4.52 *	2.06 *
<b>-3</b>	4.35 *	4.13 *	4.54 *	4.82 *	4.94 *	4.85 *	4.19 *	5.03 *	4.46 *	2.03 *
<b>-5</b>	4.21 *	4.00 *	4.39 *	4.66 *	4.79 *	4.73 *	4.09 *	4.94 *	4.39 *	2.00 *
<b>-7</b>	4.04 *	3.84 *	4.23 *	4.50 *	4.63 *	4.59 *	4.00 *	4.85 *	4.33 *	1.97 *
<b>-9</b>	3.85 *	3.67 *	4.06 *	4.34 *	4.48 *	4.46 *	3.90 *	4.75 *	4.25 *	1.94 *
<b>-11</b>	3.66 *	3.50 *	3.89 *	4.17 *	4.32 *	4.32 *	3.80 *	4.65 *	4.18 *	1.90 *
<b>-13</b>	3.47 *	3.34 *	3.72 *	4.01 *	4.18 *	4.19 *	3.70 *	4.55 *	4.10 *	1.87 *
<b>-15</b>	3.29 *	3.18 *	3.55 *	3.85 *	4.03 *	4.06 *	3.60 *	4.44 *	4.02 *	1.83 *
<b>-17</b>	3.88 *	3.76 *	4.23 *	4.60 *	4.84 *	4.90 *	4.36 *	5.40 *	4.90 *	2.22 *
<b>-19.5</b>	4.34 *	4.24 *	4.78 *	5.22 *	5.51 *	5.61 *	5.01 *	6.24 *	5.69 *	2.57 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

<b>-22.5</b>	4.03 *	3.95 *	4.49 *	4.91 *	5.20 *	5.32 *	4.77 *	5.96 *	5.46 *	2.46 *
<b>-25.5</b>	4.35 *	4.27 *	4.87 *	5.35 *	5.69 *	5.84 *	5.24 *	6.56 *	6.04 *	2.71 *
<b>-29</b>	4.52 *	4.46 *	5.09 *	5.62 *	6.00 *	6.17 *	5.56 *	6.95 *	6.43 *	2.88 *
<b>-33</b>	4.52 *	4.48 *	5.12 *	5.66 *	6.05 *	6.23 *	5.65 *	7.07 *	6.55 *	2.92 *
<b>-37.5</b>	4.22 *	4.18 *	4.81 *	5.35 *	5.73 *	5.93 *	5.41 *	6.78 *	6.24 *	2.72 *
<b>-42.5</b>	3.27 *	3.24 *	3.78 *	4.23 *	4.53 *	4.74 *	4.37 *	5.50 *	5.01 *	2.13 *
<b>-47.5</b>	3.26 *	3.20 *	3.73 *	4.24 *	4.57 *	4.80 *	4.52 *	5.80 *	5.37 *	2.28
<b>-55</b>	2.17	2.08	2.40	2.76	3.00	3.12	3.01	3.99	3.79	1.65
<b>-65</b>	0.83	0.80	0.90	1.00	1.07	1.06	1.01	1.35	1.26	0.55
<b>-75</b>	0.23	0.22	0.24	0.26	0.27	0.26	0.23	0.29	0.25	0.10
<b>-85</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
<b>-90</b>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
<b>Total</b>	214.48	206.49	230.06	248.37	259.04	259.30	225.79	267.67	224.59	91.95

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>				
	0.00	0.00	0.10	
<b>85</b>				
	0.01	0.00	8.42	
<b>75</b>				
	0.05	0.00	72.36	
<b>65</b>				
	0.22	0.00	195.37	
<b>55</b>				
	0.38	0.00	223.45	
<b>47.5</b>				
	0.38	0.00	175.06	
<b>42.5</b>				
	0.49	0.00	188.89	
<b>37.5</b>				
	0.53	0.00	177.97	
<b>33</b>				
	0.54	0.00	162.88	
<b>29</b>				
	0.52	0.00	145.28	
<b>25.5</b>				
	0.47	0.00	125.96	
<b>22.5</b>				
	0.50	0.00	126.89	
<b>19.5</b>				
	0.43	0.00	106.27	
<b>17</b>				
	0.35	0.00	85.14	

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

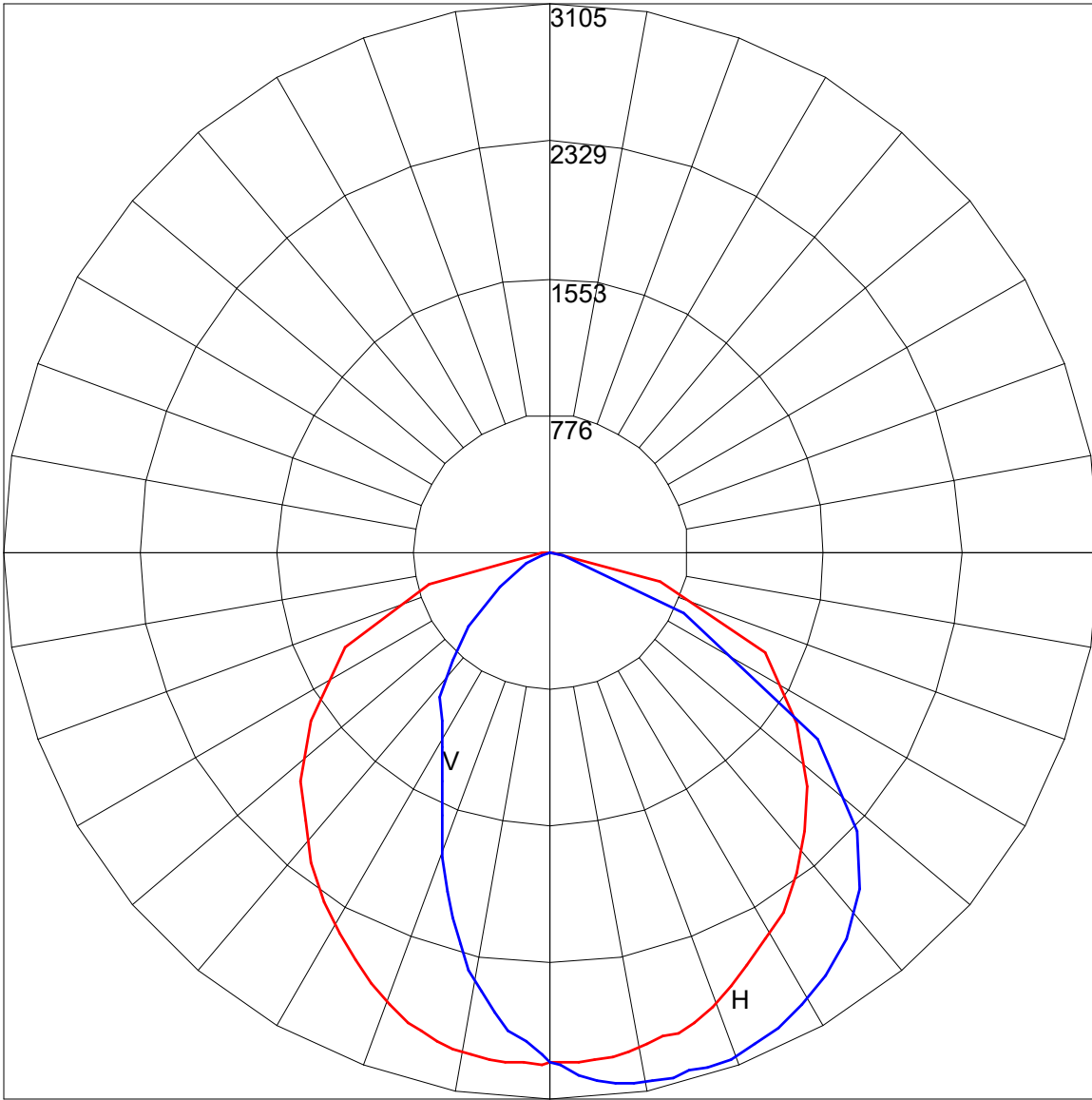
<b>15</b>	0.35 *	0.00	85.03
<b>13</b>	0.36 *	0.00	84.72
<b>11</b>	0.36 *	0.00	84.18
<b>9</b>	0.37 *	0.00	83.45
<b>7</b>	0.37 *	0.00	82.53
<b>5</b>	0.37 *	0.00	81.46
<b>3</b>	0.37 *	0.00	80.29
<b>1</b>	0.19 *	0.00	39.69
<b>0</b>	0.19 *	0.00	39.31
<b>-1</b>	0.37 *	0.00	77.25
<b>-3</b>	0.36 *	0.00	75.32
<b>-5</b>	0.36 *	0.00	73.19
<b>-7</b>	0.35	0.00	70.83
<b>-9</b>	0.35	0.00	68.24
<b>-11</b>	0.34	0.00	65.52
<b>-13</b>	0.33	0.00	62.73
<b>-15</b>	0.32	0.00	59.90
<b>-17</b>	0.39	0.00	70.98
<b>-19.5</b>	0.45	0.00	79.77
<b>-22.5</b>	0.42	0.00	74.20
<b>-25.5</b>	0.46	0.00	80.05
<b>-29</b>	0.47	0.00	83.55
<b>-33</b>	0.46	0.00	84.23
<b>-37.5</b>	0.42	0.00	79.65
<b>-42.5</b>	0.32	0.00	62.92
<b>-47.5</b>	0.33	0.00	63.91
<b>-55</b>	0.24	0.00	42.86
<b>-65</b>	0.08	0.00	15.72

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED70DMVBZ50.IES**

**LUMENS TABULATION - (Cont.)**

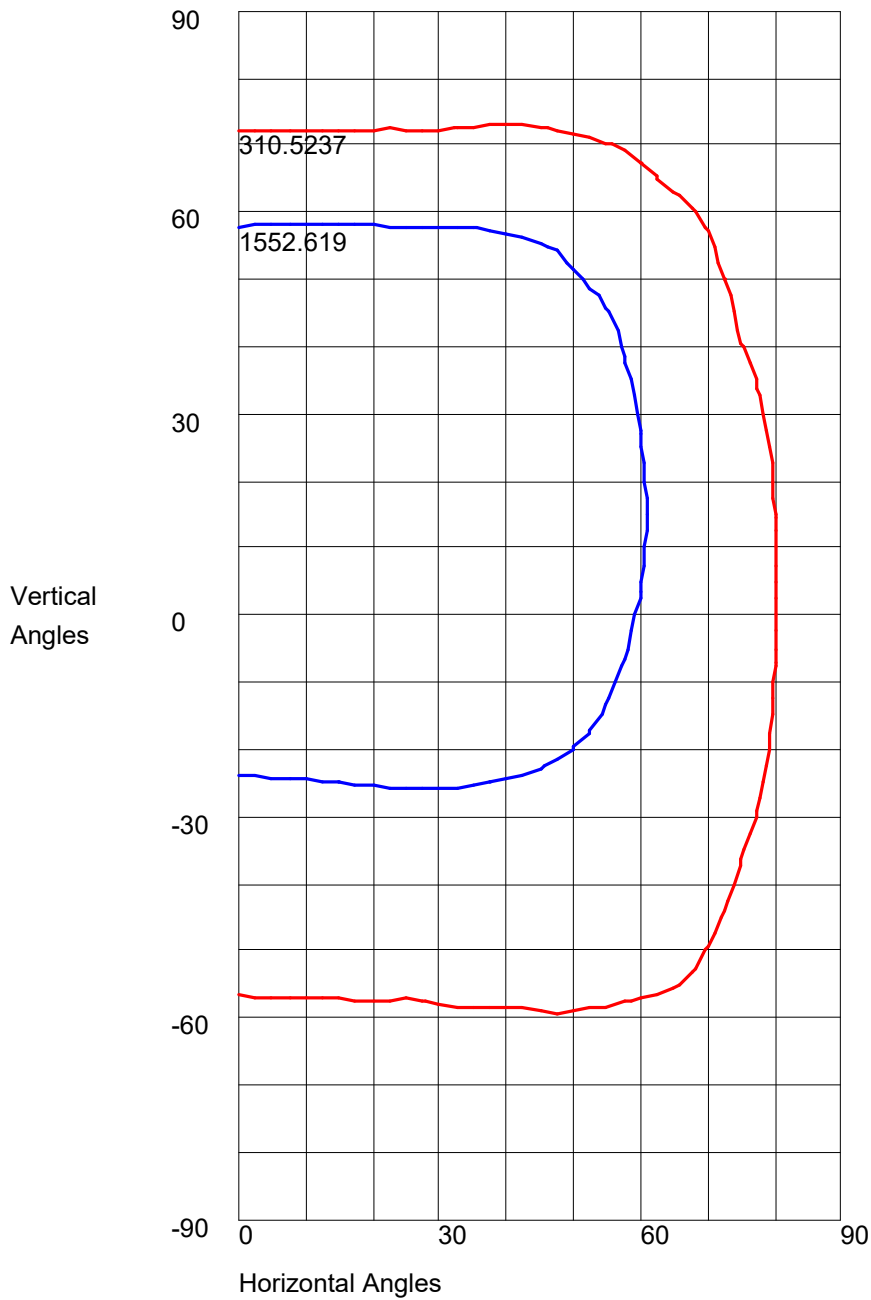
<b>-75</b>	0.02	0.00	3.95
<b>-85</b>	0.00	0.00	0.18
<b>-90</b>			
<b>Total</b>	14.64	0.07	3749.67

AXIAL CANDELA DISPLAY



Maximum Candela = 3105.237 Located At Horizontal Angle = 3, Vertical Angle = 13  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3105.237 Located At Horizontal Angle = 3, Vertical Angle = 13  
50% Maximum Candela = 1552.6185  
10% Maximum Candela = 310.5237