



Photometric Toolbox™

IES FLOOD REPORT

PHOTOMETRIC FILENAME : MILGCOWPKSR-LED90DMVBZ50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 05 May 2017

[ISSUEDATE] 2017-05-12 17:49:05

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] MOBERN LIGHTING CO.

[LUMCAT] MILGCOWPKSR-LED90DMVBZ50

[BALLAST] 120-277V,60Hz

[OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	295.03	295.03	2.99	2.99
[OTHER] 10- 20	857.29	1152.32	11.68	11.68
[OTHER] 20- 30	1334.62	2486.94	25.20	25.20
[OTHER] 30- 40	1718.53	4205.48	42.61	42.61
[OTHER] 40- 50	1958.58	6164.06	62.46	62.46
[OTHER] 50- 60	1908.44	8072.50	81.79	81.79
[OTHER] 60- 70	1323.59	9396.09	95.20	95.20
[OTHER] 70- 80	417.58	9813.67	99.43	99.43
[OTHER] 80- 90	33.61	9847.28	99.78	99.78
[OTHER] 90-100	1.42	9848.69	99.79	99.79
[OTHER] 100-110	2.34	9851.03	99.81	99.81
[OTHER] 110-120	3.57	9854.60	99.85	99.85
[OTHER] 120-130	3.91	9858.51	99.89	99.89
[OTHER] 130-140	3.59	9862.10	99.93	99.93
[OTHER] 140-150	3.03	9865.12	99.96	99.96
[OTHER] 150-160	2.30	9867.42	99.98	99.98
[OTHER] 160-170	1.47	9868.90	99.99	99.99
[OTHER] 170-180	0.57	9869.46	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	3651.517
Maximum Candela Angle	9H 25.5V
Horizontal Beam Angle (50%)	128.6
Vertical Beam Angle (50%)	87.3
Horizontal Field Angle (10%)	154.1
Vertical Field Angle (10%)	137.4
Lumens Per Lamp	9869.5 (1 lamp)
Total Lamp Lumens	9869.5
Beam Lumens	7725
Beam Efficiency	78 %
Field Lumens	9663
Field Efficiency	98 %
Spill Lumens	167
Luminaire Lumens	9831
Total Efficiency	100 %
Total Luminaire Watts	88.9
Ballast Factor	0.99

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	1.45	90	.931
85	8.27	85	2.89
75	451.67	75	170.44
65	1834.58	65	985.02
55	2381.75	55	2589.47
47.5	2752.175	47.5	3187.8
42.5	2854.935	42.5	3377.16
37.5	2934.68	37.5	3509.805
33	2966.13	33	3587.11
29	2992.33	29	3635.04
25.5	3019.14	25.5	3624.565
22.5	3067.185	22.5	3626.555
19.5	3093.13	19.5	3592.31
17	3129	17	3561.56
15	3140.14	15	3541.46
13	3149.55	13	3502.36
11	3147.75	11	3453.98
9	3151.81	9	3387.42
7	3147.19	7	3339.29
5	3132.91	5	3268.67
3	3116.79	3	3208.18
1	3095.81	1	3134.75
0	3099.123	0	3099.123
-1	3087.52	-1	3058.31
-3	3078.73	-3	2985.37
-5	3074.04	-5	2897.46
-7	3078.25	-7	2809.21
-9	3086.6	-9	2722.2
-11	3087.84	-11	2619.33
-13	3083.25	-13	2519.16
-15	3077.92	-15	2405.87
-17	3062.46	-17	2292.39
-19.5	3020.13	-19.5	2141.025
-22.5	2976.225	-22.5	1956.68
-25.5	2925.29	-25.5	1783.07
-29	2879.05	-29	1594.42
-33	2869.59	-33	1409.09
-37.5	2813.545	-37.5	1223.66
-42.5	2754.03	-42.5	1042.69
-47.5	2706.855	-47.5	879.46
-55	2409.43	-55	681.52
-65	2039.04	-65	345.76
-75	962.47	-75	91.99
-85	40.66	-85	8.38
-90	2.082	-90	.831

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CANDELA TABULATION

Maximum Candela = 3651.517
 Beam Edge = 1825.7585 Cd (50% of Max.)
 Field Edge = 365.1517 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	2.079	1.790	1.210	1.257	1.300	1.331	1.287	1.180	1.084	1.036
85.0	2.080	1.848	1.388	1.939	2.395	3.100	3.444	3.614	3.674	3.470
75.0	2.080	2.604	11.304	62.874	130.218	154.346	161.483	177.187	180.557	174.956
65.0	2.080	4.869	74.475	266.602	609.601 *	771.716 *	901.582 *	1026.013	*1053.791	*1053.338 *
55.0	2.080	8.935	177.749	550.569 *	1434.781	*1989.192	*2299.478	*2510.645	*2639.696	*2729.255 *
47.5	2.081	14.123	269.334	830.960 *	2063.846	*2609.956	*2849.621	*3040.877	*3124.687	*3174.279 *
42.5	2.081	17.822	334.012	1076.887	*2350.084	*2808.376	*3020.425	*3185.615	*3250.021	*3291.995 *
37.5	2.081	21.649	414.346 *	1383.349	*2536.665	*2923.248	*3192.469	*3274.681	*3356.180	*3419.192 *
33.0	2.081	25.262	490.235 *	1644.832	*2625.749	*3024.562	*3267.775	*3339.899	*3421.330	*3469.803 *
29.0	2.081	28.616	558.784 *	1822.951	*2669.282	*3067.492	*3264.340	*3371.218	*3434.930	*3462.965 *
25.5	2.081	31.225	618.110 *	1931.627	*2695.306	*3075.937	*3248.479	*3370.671	*3424.409	*3457.205 *
22.5	2.081	33.213	668.322 *	2000.840	*2702.736	*3083.141	*3221.762	*3343.019	*3404.855	*3433.385 *
19.5	2.081	34.970	718.009 *	2040.054	*2671.387	*3075.323	*3188.808	*3291.073	*3361.309	*3416.996 *
17.0	2.081	36.256	758.364 *	2064.006	*2645.403	*3057.082	*3158.312	*3249.185	*3315.385	*3376.165 *
15.0	2.081	37.166	789.185 *	2075.822	*2623.541	*3022.008	*3132.859	*3211.621	*3281.299	*3338.321 *
13.0	2.081	37.972	818.537 *	2081.530	*2599.895	*2984.664	*3097.915	*3175.092	*3241.857	*3296.585 *
11.0	2.081	40.236	846.263 *	2083.463	*2574.963	*2945.025	*3048.741	*3129.775	*3200.293	*3253.268 *
9.0	2.082	40.312	872.203 *	2081.880	*2549.011	*2904.650	*2998.205	*3073.238	*3149.235	*3207.911 *
7.0	2.082	40.389	896.194 *	2077.059	*2521.245	*2862.720	*2945.861	*3016.743	*3088.620	*3143.381 *
5.0	2.082	40.466	926.066 *	2069.294	*2491.639	*2819.268	*2892.304	*2959.857	*3027.076	*3070.247 *
3.0	2.082	40.544	940.607 *	2061.120	*2462.252	*2775.027	*2837.689	*2902.270	*2964.638	*2994.740 *
1.0	2.082	40.621	955.179 *	2046.404	*2427.051	*2729.846	*2782.127	*2843.436	*2901.497	*2917.775 *
0.0	2.082	40.660	962.470 *	2039.040	*2409.430	*2706.855	*2754.030	*2813.545	*2869.590	*2879.050 *
-1.0	2.082	40.660	957.551 *	2023.181	*2391.002	*2683.251	*2729.742	*2787.036	*2838.041	*2846.615 *
-3.0	2.082	40.894	947.721 *	1991.491	*2354.190	*2635.229	*2680.462	*2733.135	*2774.508	*2781.639 *
-5.0	2.082	41.050	937.911 *	1954.170	*2310.738	*2586.230	*2630.033	*2678.180	*2711.053	*2716.429 *
-7.0	2.082	41.205	912.502 *	1917.223	*2267.139	*2536.383	*2578.210	*2623.160	*2647.959	*2650.799 *
-9.0	2.082	41.359	892.921 *	1878.656	*2220.869	*2485.195	*2526.352	*2567.946	*2585.983	*2584.558 *
-11.0	2.082	41.513	871.205 *	1838.533	*2171.738	*2432.848	*2473.632	*2513.842	*2524.406	*2518.680 *
-13.0	2.082	39.464	847.480 *	1796.925	*2120.740	*2380.057	*2421.017	*2455.192	*2462.892	*2452.909 *
-15.0	2.082	38.879	821.866 *	1753.900	*2068.627	*2327.077	*2365.374	*2393.716	*2398.555	*2388.616 *
-17.0	2.082	38.184	794.487 *	1709.160	*2014.319	*2274.288	*2311.328	*2337.144	*2335.764	*2324.674 *
-19.5	2.082	37.161	757.966 *	1650.712	*1944.975	*2206.759	*2241.894	*2260.409	*2255.999	*2242.948 *
-22.5	2.081	35.709	711.443 *	1578.306	*1862.200	*2119.941	*2154.018	*2165.285	*2158.477	*2153.319 *
-25.5	2.081	34.011	662.580 *	1495.125	*1777.650	*2022.990	*2065.064	*2070.801	*2074.431	*2061.620 *
-29.0	2.081	31.723	602.910 *	1392.900	*1672.034	*1894.565	*1953.234	*1966.130	*1966.005	*1952.662 *
-33.0	2.081	28.707	532.342 *	1266.166	*1528.707	*1744.293	*1813.931	*1828.612	*1829.128	*1822.044 *
-37.5	2.081	25.447	450.235 *	1116.987	*1351.443	*1529.560	*1637.804	*1656.756	*1652.701	*1636.677 *
-42.5	2.081	21.539	353.757	944.678 *	1148.055	*1260.848	*1395.011	*1432.318	*1429.043	*1402.963 *
-47.5	2.081	17.648	280.949	749.741 *	943.906 *	1041.262	*1126.623	*1163.540	*1186.382	*1171.148 *
-55.0	2.081	11.847	188.567	488.506 *	649.355 *	736.031 *	782.967 *	825.637 *	844.425 *	838.072 *
-65.0	2.081	6.318	89.295	215.412	299.078	346.015	349.982	372.141 *	376.252 *	365.721 *
-75.0	2.080	3.319	28.310	54.737	78.279	94.564	97.657	103.993	105.315	103.195
-85.0	2.080	2.240	3.605	5.018	6.445	7.700	8.307	8.510	8.478	8.531
-90.0	2.080	2.100	2.142	1.569	1.346	1.441	1.376	1.182	1.007	0.899

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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	1.092	1.140	1.188	1.228	1.260	1.217	1.173	1.129	1.085	1.041
85.0	3.509	3.491	3.426	3.339	3.243	3.250	3.420	3.324	3.227	3.131
75.0	182.788	185.870	186.564	185.361	182.780	182.576	182.718	182.091	180.719	180.636
65.0	1083.776	*1106.571	*1105.087	*1086.957	*1061.489	*1044.627	*1054.197	*1056.564	*1051.969	*1040.678 *
55.0	2817.451	*2792.348	*2743.571	*2697.693	*2658.393	*2619.614	*2613.740	*2621.650	*2624.144	*2621.159 *
47.5	3209.823	*3207.991	*3186.460	*3177.306	*3169.420	*3165.135	*3164.410	*3175.928	*3181.286	*3184.519 *
42.5	3306.584	*3311.952	*3303.168	*3323.374	*3333.214	*3342.909	*3349.757	*3361.010	*3369.951	*3376.131 *
37.5	3413.857	*3391.880	*3397.401	*3412.850	*3420.861	*3444.984	*3466.674	*3482.311	*3491.639	*3498.689 *
33.0	3470.362	*3455.135	*3467.168	*3492.394	*3519.461	*3523.816	*3542.028	*3566.374	*3574.977	*3580.238 *
29.0	3500.564	*3492.116	*3519.352	*3527.186	*3536.115	*3553.192	*3571.894	*3582.614	*3594.943	*3610.793 *
25.5	3483.000	*3528.973	*3528.415	*3539.616	*3552.169	*3567.182	*3589.832	*3617.394	*3626.220	*3624.973 *
22.5	3478.919	*3499.093	*3532.940	*3535.480	*3555.161	*3565.102	*3573.988	*3591.376	*3603.767	*3612.783 *
19.5	3453.497	*3483.531	*3503.223	*3526.330	*3525.913	*3537.855	*3561.685	*3565.067	*3571.120	*3583.209 *
17.0	3430.575	*3452.160	*3480.429	*3476.031	*3504.011	*3514.805	*3513.736	*3533.550	*3545.745	*3555.477 *
15.0	3395.236	*3431.374	*3445.624	*3463.497	*3477.821	*3492.959	*3497.428	*3500.533	*3501.214	*3520.135 *
13.0	3350.631	*3396.167	*3421.487	*3431.415	*3451.565	*3463.338	*3471.501	*3455.408	*3463.826	*3464.801 *
11.0	3303.559	*3343.901	*3378.549	*3398.172	*3410.885	*3424.231	*3428.869	*3429.006	*3431.627	*3422.409 *
9.0	3250.756	*3290.804	*3329.766	*3357.586	*3365.270	*3364.323	*3386.037	*3392.987	*3377.310	*3371.380 *
7.0	3200.048	*3238.731	*3282.845	*3301.400	*3306.145	*3325.706	*3325.158	*3323.418	*3326.972	*3319.327 *
5.0	3125.630	*3172.346	*3225.011	*3247.435	*3251.896	*3264.621	*3257.088	*3255.440	*3261.990	*3252.069 *
3.0	3046.403	*3096.768	*3143.339	*3175.916	*3187.789	*3197.070	*3198.453	*3192.598	*3197.866	*3198.408 *
1.0	2966.098	*3017.190	*3061.770	*3101.104	*3114.866	*3120.843	*3124.407	*3121.960	*3121.428	*3115.473 *
0.0	2925.290	*2976.225	*3020.130	*3062.460	*3077.920	*3083.250	*3087.840	*3086.600	*3078.250	*3074.040 *
-1.0	2889.023	*2937.275	*2979.449	*3018.789	*3034.200	*3040.458	*3047.572	*3047.539	*3050.055	*3054.260 *
-3.0	2814.744	*2857.207	*2895.494	*2927.652	*2943.623	*2952.309	*2963.089	*2963.159	*2962.658	*2952.516 *
-5.0	2738.119	*2773.889	*2808.845	*2832.727	*2845.590	*2851.751	*2861.697	*2863.591	*2870.973	*2884.164 *
-7.0	2661.741	*2687.128	*2710.019	*2723.885	*2735.537	*2736.705	*2752.064	*2779.226	*2792.070	*2791.885 *
-9.0	2586.067	*2599.001	*2608.700	*2608.172	*2619.519	*2643.143	*2661.727	*2679.307	*2697.065	*2696.611 *
-11.0	2510.041	*2511.876	*2507.981	*2508.725	*2524.453	*2543.376	*2560.667	*2579.211	*2587.210	*2613.347 *
-13.0	2438.319	*2424.424	*2421.478	*2424.693	*2426.021	*2439.837	*2457.448	*2472.780	*2482.778	*2509.435 *
-15.0	2371.754	*2352.525	*2346.803	*2338.498	*2337.043	*2338.895	*2353.968	*2359.859	*2382.327	*2400.780 *
-17.0	2303.783	*2284.010	*2269.339	*2256.701	*2248.221	*2247.292	*2247.798	*2258.492	*2274.030	*2286.871 *
-19.5	2227.457	*2205.985	*2179.434	*2158.891	*2144.779	*2130.912	*2117.794	*2126.749	*2134.779	*2138.092 *
-22.5	2132.545	*2110.103	*2076.114	*2047.838	*2022.434	*1997.672	*1982.157	*1975.305	*1966.795	*1965.153 *
-25.5	2038.271	*2007.454	*1972.954	*1938.179	*1908.805	*1880.993	*1854.437	*1827.970	*1803.227	*1800.631 *
-29.0	1928.802	*1893.652	*1844.532	*1807.252	*1773.702	*1740.010	*1704.324	*1667.383	*1635.357	*1629.580 *
-33.0	1783.532	*1747.081	*1702.882	*1659.588	*1621.508	*1581.901	*1540.860	*1500.395	*1474.022	*1459.858 *
-37.5	1599.921	*1559.636	*1516.009	*1477.123	*1439.081	*1396.712	*1350.271	*1305.954	*1295.825	*1278.321 *
-42.5	1366.114	*1328.636	*1285.163	*1249.927	*1216.777	*1182.693	*1137.575	*1116.212	*1105.525	*1091.265 *
-47.5	1130.934	*1091.364	*1064.905	*1034.878	*1005.738	*971.813	*936.405	*930.509	*922.990	*913.562 *
-55.0	820.858	*811.248	*792.012	*770.512	*749.870	*727.535	*718.184	*715.267	*710.583	*704.215 *
-65.0	365.920	*371.125	*371.053	*367.187	*361.462	357.016	358.457	358.682	357.730	355.644
-75.0	105.668	105.895	104.863	103.340	101.524	101.106	100.804	100.038	98.851	98.104
-85.0	8.852	8.998	9.035	8.989	8.905	8.909	9.249	9.091	8.933	8.775
-90.0	0.931	0.957	0.984	1.006	1.024	0.998	0.972	0.947	0.921	0.895

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	0.997	0.953	0.931	0.940	0.959	0.978	0.996	1.015	1.033	1.052
85.0	3.035	2.938	2.890	2.881	2.864	2.847	2.829	2.812	2.794	2.578
75.0	176.558	172.479	170.440	171.768	174.423	177.078	175.763	175.740	174.987	173.485
65.0	1029.502	*999.850 *	*985.020 *	*994.722 *	*1014.121	*1015.172	*1016.438	*1011.184	*999.194 *	*980.273 *

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CANDELA TABULATION - (Cont.)

55.0	2618.899	*2599.284	*2589.470	*2597.869	*2614.658	*2614.165	*2614.456	*2609.373	*2599.005	*2605.884	*
47.5	3187.301	*3188.341	*3187.800	*3188.256	*3186.574	*3181.739	*3174.124	*3168.108	*3165.014	*3198.576	*
42.5	3378.627	*3378.210	*3377.160	*3376.785	*3374.458	*3369.537	*3361.454	*3352.248	*3351.899	*3370.798	*
37.5	3504.736	*3508.630	*3509.805	*3509.149	*3506.550	*3502.565	*3498.481	*3486.601	*3483.125	*3484.761	*
33.0	3584.200	*3586.830	*3587.110	*3587.399	*3585.359	*3580.566	*3572.124	*3563.521	*3554.524	*3548.994	*
29.0	3623.254	*3632.562	*3635.040	*3635.298	*3632.437	*3628.928	*3626.135	*3619.626	*3611.502	*3607.568	*
25.5	3622.660	*3623.182	*3624.565	*3628.145	*3635.129	*3637.837	*3643.759	*3651.517	*3644.482	*3637.331	*
22.5	3616.299	*3622.957	*3626.555	*3630.264	*3637.663	*3646.669	*3649.590	*3641.171	*3642.018	*3622.040	*
19.5	3588.178	*3590.971	*3592.310	*3597.065	*3608.348	*3621.453	*3623.978	*3621.137	*3620.121	*3612.268	*
17.0	3557.709	*3558.207	*3561.560	*3563.120	*3573.536	*3585.185	*3587.351	*3594.002	*3596.805	*3597.078	*
15.0	3538.123	*3539.690	*3541.460	*3542.980	*3551.989	*3560.347	*3557.697	*3558.660	*3562.887	*3566.876	*
13.0	3473.647	*3490.040	*3502.360	*3499.438	*3499.906	*3510.684	*3531.962	*3531.341	*3531.426	*3539.458	*
11.0	3440.580	*3446.384	*3453.980	*3451.579	*3457.819	*3477.841	*3484.993	*3486.084	*3493.095	*3491.331	*
9.0	3391.086	*3391.474	*3387.420	*3391.643	*3405.512	*3429.897	*3434.411	*3439.824	*3440.255	*3442.522	*
7.0	3329.063	*3333.497	*3339.290	*3336.339	*3353.291	*3370.541	*3368.692	*3382.645	*3400.901	*3392.900	*
5.0	3263.057	*3268.391	*3268.670	*3278.055	*3296.826	*3297.984	*3309.801	*3321.384	*3336.168	*3338.811	*
3.0	3190.170	*3200.317	*3208.180	*3209.283	*3224.494	*3231.216	*3247.795	*3261.919	*3271.150	*3275.025	*
1.0	3122.381	*3135.307	*3134.750	*3139.305	*3154.158	*3174.012	*3186.744	*3188.524	*3188.668	*3190.988	*
0.0	3078.730	*3087.520	*3099.123	*3095.810	*3116.790	*3132.910	*3147.190	*3151.810	*3147.750	*3149.550	*
-1.0	3051.879	*3053.891	*3058.310	*3069.977	*3063.726	*3085.348	*3097.017	*3102.457	*3100.313	*3103.665	*
-3.0	2974.649	*2980.760	*2985.370	*2993.126	*3003.201	*2996.113	*3003.508	*3008.399	*3006.507	*3010.340	*
-5.0	2885.176	*2907.788	*2897.460	*2916.554	*2909.001	*2928.674	*2923.866	*2926.710	*2925.288	*2917.813	*
-7.0	2801.037	*2814.285	*2809.210	*2826.897	*2824.491	*2829.180	*2837.126	*2835.237	*2830.334	*2822.800	*
-9.0	2716.526	*2726.860	*2722.200	*2729.645	*2726.857	*2721.445	*2732.009	*2733.937	*2729.618	*2723.684	*
-11.0	2623.006	*2627.407	*2619.330	*2628.341	*2625.415	*2625.034	*2619.214	*2626.953	*2629.420	*2624.729	*
-13.0	2520.850	*2525.410	*2519.160	*2526.999	*2522.644	*2518.856	*2510.975	*2517.484	*2522.404	*2529.520	*
-15.0	2410.819	*2412.938	*2405.870	*2412.090	*2409.530	*2409.336	*2406.108	*2401.667	*2417.841	*2434.357	*
-17.0	2297.213	*2299.116	*2292.390	*2299.604	*2300.470	*2299.587	*2303.231	*2298.530	*2313.330	*2334.026	*
-19.5	2148.054	*2146.264	*2141.025	*2151.719	*2164.559	*2165.941	*2171.976	*2178.476	*2188.852	*2219.440	*
-22.5	1967.678	*1962.652	*1956.680	*1969.573	*1988.542	*2000.214	*2016.454	*2038.561	*2061.065	*2089.112	*
-25.5	1798.559	*1790.122	*1783.070	*1799.399	*1826.652	*1848.305	*1871.447	*1907.137	*1939.940	*1972.450	*
-29.0	1619.429	*1604.926	*1594.420	*1616.265	*1653.522	*1686.601	*1715.597	*1756.252	*1797.591	*1838.205	*
-33.0	1442.490	*1421.877	*1409.090	*1433.298	*1476.621	*1516.330	*1552.230	*1593.096	*1636.252	*1679.142	*
-37.5	1259.188	*1236.402	*1223.660	*1246.369	*1288.986	*1327.649	*1364.267	*1391.763	*1437.474	*1483.110	*
-42.5	1073.968	*1053.797	*1042.690	*1060.957	*1095.381	*1126.732	*1154.717	*1178.269	*1207.994	*1255.393	*
-47.5	901.600	*887.356	*879.460	*892.476	*916.876	*938.741	*957.658	*973.630	*986.379	*1024.475	*
-55.0	697.820	*686.955	*681.520	*688.971	*703.865	*714.064	*724.063	*732.073	*737.929	*750.083	*
-65.0	353.584	348.368	345.760	347.929	352.266	353.378	354.465	354.324	352.888	350.092	
-75.0	95.659	93.213	91.990	92.982	94.965	96.948	97.275	98.049	98.427	98.375	
-85.0	8.617	8.459	8.380	8.353	8.298	8.243	8.188	8.133	8.078	7.587	
-90.0	0.869	0.844	0.831	0.843	0.869	0.895	0.920	0.946	0.971	0.997	

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	1.070	1.080	1.091	1.106	1.120	1.136	1.091	1.015	0.932	0.955	
85.0	2.500	2.604	2.714	2.816	2.885	2.919	2.833	2.488	2.213	2.055	
75.0	172.396	173.937	174.114	172.777	169.547	162.036	159.225	148.078	127.489	115.533	
65.0	993.170	*1018.926	*1037.027	*1034.124	*1001.686	*957.662	*935.118	*870.234	*735.477	*650.637	*
55.0	2648.942	*2691.594	*2739.175	*2784.888	*2791.891	*2672.660	*2540.938	*2395.443	*2113.503	*1757.707	*
47.5	3225.536	*3245.798	*3277.213	*3317.198	*3292.563	*3221.673	*3138.340	*3012.210	*2749.492	*2463.188	*
42.5	3386.329	*3403.005	*3419.757	*3426.381	*3402.954	*3359.743	*3286.804	*3168.574	*2977.865	*2724.070	*
37.5	3483.761	*3489.871	*3479.460	*3488.844	*3488.899	*3447.344	*3386.310	*3316.920	*3122.468	*2874.766	*
33.0	3549.765	*3547.204	*3541.425	*3538.524	*3531.954	*3516.299	*3462.308	*3382.718	*3288.892	*2956.572	*
29.0	3604.715	*3584.655	*3570.977	*3562.813	*3563.203	*3533.994	*3480.602	*3424.553	*3306.112	*3014.823	*
25.5	3620.249	*3598.651	*3593.427	*3575.591	*3553.189	*3531.735	*3483.094	*3434.008	*3301.395	*3046.571	*

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	3628.924	*3614.729	*3587.655	*3568.018	*3543.360	*3513.940	*3488.778	*3398.190	*3298.669	*3055.145 *
19.5	3595.901	*3600.487	*3585.482	*3544.228	*3525.636	*3501.554	*3456.065	*3372.855	*3278.017	*3059.598 *
17.0	3580.239	*3556.451	*3555.273	*3525.512	*3498.496	*3466.875	*3415.342	*3337.833	*3247.525	*3060.433 *
15.0	3584.015	*3542.067	*3518.170	*3502.896	*3470.938	*3427.457	*3373.122	*3314.059	*3224.632	*3040.066 *
13.0	3524.977	*3522.834	*3492.172	*3468.300	*3427.807	*3385.276	*3334.832	*3281.489	*3193.769	*3014.374 *
11.0	3488.371	*3474.169	*3462.349	*3421.905	*3385.487	*3343.170	*3296.802	*3239.620	*3142.474	*2983.137 *
9.0	3441.973	*3439.275	*3413.847	*3370.975	*3344.315	*3305.787	*3247.413	*3188.815	*3090.948	*2949.787 *
7.0	3390.524	*3382.340	*3362.555	*3323.199	*3294.606	*3241.987	*3185.551	*3136.654	*3039.401	*2911.971 *
5.0	3340.049	*3332.503	*3306.926	*3258.115	*3216.796	*3169.269	*3123.683	*3079.715	*2989.673	*2869.439 *
3.0	3270.775	*3254.403	*3222.639	*3183.812	*3138.287	*3098.327	*3061.338	*3022.352	*2937.360	*2824.466 *
1.0	3183.868	*3171.353	*3136.615	*3106.816	*3059.274	*3028.005	*2998.310	*2964.140	*2882.867	*2776.935 *
0.0	3140.140	*3129.000	*3093.130	*3067.185	*3019.140	*2992.330	*2966.130	*2934.680	*2854.935	*2752.175 *
-1.0	3097.739	*3086.294	*3055.543	*3031.818	*2987.684	*2961.001	*2937.719	*2909.241	*2832.998	*2731.771 *
-3.0	3010.747	*2998.154	*2978.747	*2959.616	*2922.855	*2897.023	*2879.524	*2857.679	*2787.963	*2689.136 *
-5.0	2917.644	*2907.992	*2899.257	*2887.122	*2855.572	*2833.140	*2820.694	*2805.349	*2741.373	*2644.433 *
-7.0	2815.893	*2813.906	*2810.831	*2810.499	*2789.392	*2770.134	*2761.436	*2753.088	*2693.230	*2598.100 *
-9.0	2713.883	*2714.375	*2720.493	*2728.059	*2718.461	*2708.089	*2703.042	*2696.920	*2644.476	*2549.018 *
-11.0	2625.254	*2618.948	*2631.844	*2647.475	*2646.988	*2647.418	*2644.257	*2640.717	*2593.918	*2498.480 *
-13.0	2535.079	*2538.788	*2551.676	*2564.659	*2580.568	*2585.857	*2588.290	*2586.492	*2543.124	*2448.806 *
-15.0	2446.814	*2457.350	*2478.789	*2495.387	*2515.910	*2522.371	*2532.737	*2532.271	*2484.603	*2398.674 *
-17.0	2355.838	*2379.614	*2408.136	*2435.165	*2449.566	*2458.927	*2474.437	*2472.933	*2427.253	*2348.996 *
-19.5	2251.536	*2287.881	*2326.451	*2350.578	*2367.254	*2385.044	*2399.210	*2393.162	*2355.840	*2270.006 *
-22.5	2130.921	*2173.130	*2212.415	*2245.421	*2269.980	*2298.743	*2301.777	*2295.380	*2262.269	*2167.862 *
-25.5	2009.664	*2050.574	*2094.534	*2142.872	*2181.934	*2201.413	*2206.347	*2195.917	*2164.674	*2061.853 *
-29.0	1876.897	*1915.649	*1963.179	*2022.467	*2062.152	*2084.192	*2090.339	*2080.551	*2046.369	*1934.608 *
-33.0	1718.931	*1757.524	*1808.247	*1857.378	*1898.948	*1940.930	*1946.684	*1932.072	*1899.646	*1767.823 *
-37.5	1525.919	*1564.283	*1605.370	*1656.778	*1704.298	*1742.031	*1757.437	*1749.662	*1695.319	*1538.211 *
-42.5	1292.436	*1328.898	*1367.781	*1413.645	*1454.313	*1494.337	*1515.968	*1488.583	*1412.167	*1286.391 *
-47.5	1061.884	*1094.656	*1128.227	*1158.554	*1201.580	*1233.399	*1236.048	*1205.707	*1142.280	*1050.112 *
-55.0	774.316 *	796.242 *	819.028 *	839.301 *	850.346 *	856.039 *	844.083 *	818.049 *	785.363 *	725.229 *
-65.0	355.049	362.456	368.331 *	370.233 *	364.825	361.782	367.515 *	358.993	332.279	318.880
-75.0	98.440	99.817	100.830	101.223	100.356	97.234	98.148	95.263	86.265	81.144
-85.0	7.401	7.448	7.449	7.366	7.187	6.845	6.443	6.016	5.608	5.133
-90.0	1.023	1.050	1.085	1.126	1.168	1.217	1.229	1.227	1.225	1.492

Vert. Horizontal Angles

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	1.150	1.264	1.230	1.377	1.450
85.0	2.102	1.593	1.273	1.394	1.450
75.0	91.053	38.147	3.814	1.417	1.450
65.0	488.687 *	209.652	43.856	1.532	1.450
55.0	1235.393	*476.560 *	118.871	2.323	1.450
47.5	1799.240	*675.775 *	183.770	2.943	1.450
42.5	2131.155	*825.467 *	219.902	3.317	1.450
37.5	2390.899	*1019.383	*258.215	3.680	1.450
33.0	2525.806	*1254.271	*290.941	4.833	1.450
29.0	2600.928	*1453.129	*316.997	5.860	1.450
25.5	2647.692	*1588.723	*339.234	6.610	1.450
22.5	2674.690	*1683.342	*356.209	7.144	1.450
19.5	2660.149	*1747.270	*374.567 *	7.581	1.450
17.0	2642.283	*1791.009	*392.025 *	7.871	1.450
15.0	2624.323	*1817.726	*404.851 *	8.057	1.450
13.0	2603.985	*1836.755	*416.489 *	8.203	1.450
11.0	2573.241	*1849.883	*426.778 *	8.789	1.450
9.0	2541.814	*1857.487	*435.550 *	8.696	1.450

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	2508.981	*1859.963	*442.635	* 8.602	1.450
5.0	2474.655	*1857.740	*455.093	* 8.507	1.450
3.0	2440.660	*1854.981	*453.726	* 8.412	1.450
1.0	2401.402	*1841.384	*452.356	* 8.270	1.450
0.0	2381.750	*1834.580	*451.670	* 8.270	1.450
-1.0	2366.017	*1825.109	*454.078	* 8.381	1.450
-3.0	2334.587	*1806.183	*458.889	* 8.604	1.450
-5.0	2297.541	*1778.062	*463.691	* 8.827	1.450
-7.0	2260.797	*1750.692	*454.000	* 9.048	1.450
-9.0	2222.343	*1720.876	*449.587	* 9.269	1.450
-11.0	2182.211	*1688.798	*443.060	* 9.488	1.450
-13.0	2141.301	*1654.644	*434.504	* 9.022	1.450
-15.0	2096.284	*1618.595	*423.998	* 8.997	1.450
-17.0	2051.035	*1579.052	*411.624	* 8.930	1.450
-19.5	1993.205	*1525.899	*393.658	* 8.785	1.450
-22.5	1922.157	*1460.649	*373.972	* 8.518	1.450
-25.5	1825.276	*1387.986	*354.936	8.146	1.450
-29.0	1703.629	*1299.791	*328.371	7.576	1.450
-33.0	1548.967	*1191.464	*293.632	6.742	1.450
-37.5	1367.288	*1044.145	*248.926	5.790	1.450
-42.5	1151.932	*841.468	* 202.998	5.213	1.450
-47.5	926.625	* 657.924	* 166.088	4.538	1.450
-55.0	608.076	* 412.621	* 108.424	3.361	1.450
-65.0	265.296	160.865	50.360	2.100	1.450
-75.0	62.501	34.808	12.895	1.814	1.450
-85.0	4.273	3.816	2.505	1.597	1.450
-90.0	2.297	2.383	1.482	1.460	1.450

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 4915.32
 Total Field Lumens (one side of beam only) = 4831.66
 * 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	0.27	0.54	0.55	0.55	0.55	0.55	0.54	0.53	0.53	0.66	
75	1.77 *	3.60 *	3.65 *	3.66 *	3.66 *	3.63 *	3.57 *	3.54 *	3.57 *	4.49 *	
65	5.46 *	11.01 *	11.07 *	11.06 *	11.01 *	10.92 *	10.81 *	10.80 *	10.88 *	13.67 *	
55	6.60 *	13.23 *	13.22 *	13.18 *	13.10 *	13.00 *	12.92 *	12.91 *	12.91 *	16.11 *	
47.5	5.00 *	9.99 *	9.97 *	9.92 *	9.86 *	9.78 *	9.72 *	9.68 *	9.61 *	11.90 *	
42.5	5.24 *	10.48 *	10.45 *	10.40 *	10.33 *	10.25 *	10.17 *	10.07 *	9.97 *	12.31 *	
37.5	4.86 *	9.72 *	9.69 *	9.64 *	9.58 *	9.50 *	9.40 *	9.30 *	9.20 *	11.32 *	
33	4.40 *	8.79 *	8.76 *	8.71 *	8.66 *	8.58 *	8.50 *	8.41 *	8.30 *	10.22 *	
29	3.87 *	7.73 *	7.71 *	7.69 *	7.64 *	7.58 *	7.50 *	7.42 *	7.32 *	9.01 *	
25.5	3.31 *	6.62 *	6.62 *	6.60 *	6.57 *	6.51 *	6.45 *	6.37 *	6.29 *	7.74 *	
22.5	3.30 *	6.60 *	6.59 *	6.57 *	6.53 *	6.48 *	6.42 *	6.35 *	6.28 *	7.73 *	
19.5	2.72 *	5.45 *	5.45 *	5.43 *	5.40 *	5.36 *	5.32 *	5.26 *	5.19 *	6.39 *	
17	2.16 *	4.33 *	4.32 *	4.30 *	4.28 *	4.25 *	4.22 *	4.18 *	4.13 *	5.07 *	
15	2.14 *	4.28 *	4.27 *	4.26 *	4.24 *	4.22 *	4.19 *	4.15 *	4.10 *	5.03 *	
13	2.12 *	4.23 *	4.22 *	4.21 *	4.19 *	4.17 *	4.15 *	4.11 *	4.06 *	4.99 *	
11	2.08 *	4.17 *	4.16 *	4.15 *	4.14 *	4.12 *	4.09 *	4.05 *	4.01 *	4.93 *	
9	2.05 *	4.10 *	4.10 *	4.09 *	4.08 *	4.06 *	4.03 *	3.99 *	3.95 *	4.86 *	
7	2.01 *	4.03 *	4.02 *	4.01 *	4.00 *	3.99 *	3.97 *	3.93 *	3.89 *	4.78 *	
5	1.97 *	3.95 *	3.94 *	3.94 *	3.93 *	3.91 *	3.89 *	3.86 *	3.82 *	4.68 *	
3	1.93 *	3.86 *	3.86 *	3.86 *	3.85 *	3.83 *	3.81 *	3.77 *	3.73 *	4.57 *	
1	0.95 *	1.90 *	1.90 *	1.90 *	1.89 *	1.88 *	1.87 *	1.85 *	1.83 *	2.24 *	
0	0.94 *	1.87 *	1.87 *	1.87 *	1.87 *	1.86 *	1.84 *	1.83 *	1.80 *	2.21 *	
-1	1.84 *	3.68 *	3.67 *	3.67 *	3.66 *	3.64 *	3.61 *	3.58 *	3.53 *	4.33 *	

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	1.79 *	3.59 *	3.58 *	3.56 *	3.55 *	3.53 *	3.50 *	3.47 *	3.42 *	4.20 *
-5	1.74 *	3.48 *	3.47 *	3.46 *	3.44 *	3.42 *	3.38 *	3.35 *	3.31 *	4.07 *
-7	1.69 *	3.37 *	3.36 *	3.35 *	3.33 *	3.30 *	3.26 *	3.22 *	3.18 *	3.93 *
-9	1.63 *	3.26 *	3.24 *	3.23 *	3.21 *	3.18 *	3.15 *	3.11 *	3.06 *	3.78 *
-11	1.57 *	3.14 *	3.12 *	3.10 *	3.08 *	3.05 *	3.03 *	2.99 *	2.96 *	3.65 *
-13	1.50 *	3.00 *	2.99 *	2.97 *	2.95 *	2.93 *	2.90 *	2.88 *	2.86 *	3.54 *
-15	1.43 *	2.87 *	2.86 *	2.84 *	2.82 *	2.80 *	2.78 *	2.77 *	2.76 *	3.42 *
-17	1.69 *	3.39 *	3.38 *	3.37 *	3.35 *	3.32 *	3.31 *	3.31 *	3.31 *	4.13 *
-19.5	1.88 *	3.77 *	3.77 *	3.76 *	3.76 *	3.75 *	3.75 *	3.77 *	3.78 *	4.74 *
-22.5	1.71 *	3.45 *	3.46 *	3.47 *	3.49 *	3.51 *	3.53 *	3.55 *	3.58 *	4.49 *
-25.5	1.81 *	3.65 *	3.69 *	3.71 *	3.74 *	3.79 *	3.84 *	3.88 *	3.91 *	4.93 *
-29	1.84 *	3.73 *	3.79 *	3.84 *	3.89 *	3.96 *	4.03 *	4.09 *	4.14 *	5.23 *
-33	1.82 *	3.70 *	3.78 *	3.84 *	3.89 *	3.97 *	4.06 *	4.14 *	4.20 *	5.33 *
-37.5	1.74 *	3.54 *	3.62 *	3.69 *	3.74 *	3.80 *	3.89 *	3.99 *	4.06 *	5.15 *
-42.5	1.47 *	3.00 *	3.06 *	3.11 *	3.14 *	3.17 *	3.24 *	3.33 *	3.40 *	4.32 *
-47.5	1.79 *	3.64 *	3.70 *	3.74 *	3.77 *	3.79 *	3.83 *	3.92 *	4.00 *	5.09 *
-55	1.57 *	3.18 *	3.22 *	3.24 *	3.25 *	3.25 *	3.24 *	3.27 *	3.32 *	4.20 *
-65	0.67	1.35	1.37	1.37	1.37	1.37	1.35	1.35	1.35	1.70
-75	0.15	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.40
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
-90										
Total	96.53	193.60	193.86	193.65	193.12	192.31	191.42	190.65	189.83	235.53

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	0.01	0.01	0.01	0.01	0.01	0.01
85	0.78	0.76	0.83	0.90	0.95	0.91	0.77	0.89	0.63	0.16
75	5.33 *	5.15 *	5.67 *	6.10 *	6.37 *	6.05 *	4.87 *	5.38	3.61	0.92
65	16.36 *	16.08 *	17.90 *	19.03 *	19.55 *	18.74 *	15.10 *	15.96 *	10.02 *	2.50
55	19.23 *	18.95 *	21.24 *	22.75 *	23.51 *	22.93 *	19.01 *	20.57 *	12.93 *	3.20

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MILGCOWPKSR-LED90DMVBZ50.IES

LUMENS TABULATION - (Cont.)

47.5	14.10 *	13.81 *	15.55 *	16.87 *	17.63 *	17.50 *	14.94 *	16.92 *	11.17 *	2.87 *
42.5	14.51 *	14.21 *	16.07 *	17.49 *	18.34 *	18.41 *	15.91 *	18.52 *	13.04 *	3.60 *
37.5	13.32 *	13.04 *	14.80 *	16.14 *	16.96 *	17.18 *	14.93 *	17.57 *	13.16 *	3.95 *
33	12.01 *	11.73 *	13.29 *	14.51 *	15.29 *	15.54 *	13.56 *	16.07 *	12.62 *	4.07 *
29	10.59 *	10.32 *	11.64 *	12.70 *	13.43 *	13.64 *	11.93 *	14.27 *	11.59 *	3.93 *
25.5	9.09 *	8.84 *	9.95 *	10.86 *	11.48 *	11.64 *	10.23 *	12.31 *	10.22 *	3.58 *
22.5	9.05 *	8.80 *	9.90 *	10.80 *	11.38 *	11.54 *	10.20 *	12.32 *	10.37 *	3.74 *
19.5	7.50 *	7.28 *	8.19 *	8.91 *	9.37 *	9.52 *	8.45 *	10.21 *	8.68 *	3.21 *
17	5.95 *	5.78 *	6.49 *	7.05 *	7.41 *	7.55 *	6.71 *	8.11 *	6.95 *	2.63 *
15	5.90 *	5.73 *	6.42 *	6.96 *	7.33 *	7.47 *	6.65 *	8.04 *	6.95 *	2.66 *
13	5.84 *	5.65 *	6.34 *	6.88 *	7.25 *	7.38 *	6.57 *	7.96 *	6.92 *	2.69 *
11	5.76 *	5.57 *	6.25 *	6.79 *	7.14 *	7.26 *	6.48 *	7.87 *	6.89 *	2.72 *
9	5.68 *	5.49 *	6.16 *	6.68 *	7.02 *	7.14 *	6.38 *	7.77 *	6.84 *	2.74 *
7	5.58 *	5.39 *	6.03 *	6.54 *	6.89 *	7.02 *	6.28 *	7.67 *	6.79 *	2.75 *
5	5.46 *	5.27 *	5.89 *	6.40 *	6.75 *	6.89 *	6.18 *	7.56 *	6.74 *	2.76 *
3	5.32 *	5.14 *	5.75 *	6.26 *	6.62 *	6.76 *	6.07 *	7.44 *	6.67 *	2.76 *
1	2.61 *	2.52 *	2.82 *	3.07 *	3.26 *	3.33 *	2.99 *	3.68 *	3.30 *	1.38 *
0	2.58 *	2.49 *	2.78 *	3.04 *	3.23 *	3.30 *	2.97 *	3.65 *	3.28 *	1.37 *
-1	5.05 *	4.88 *	5.47 *	5.98 *	6.36 *	6.51 *	5.86 *	7.21 *	6.50 *	2.72 *
-3	4.92 *	4.76 *	5.34 *	5.85 *	6.23 *	6.39 *	5.76 *	7.09 *	6.40 *	2.69 *
-5	4.77 *	4.63 *	5.22 *	5.72 *	6.10 *	6.27 *	5.65 *	6.97 *	6.29 *	2.65 *
-7	4.62 *	4.50 *	5.09 *	5.59 *	5.97 *	6.15 *	5.55 *	6.84 *	6.18 *	2.60 *
-9	4.47 *	4.37 *	4.96 *	5.46 *	5.84 *	6.02 *	5.44 *	6.70 *	6.06 *	2.55 *
-11	4.32 *	4.24 *	4.83 *	5.33 *	5.71 *	5.90 *	5.33 *	6.56 *	5.93 *	2.49 *
-13	4.19 *	4.12 *	4.70 *	5.20 *	5.58 *	5.77 *	5.21 *	6.42 *	5.80 *	2.43 *
-15	4.07 *	4.01 *	4.58 *	5.07 *	5.45 *	5.63 *	5.10 *	6.28 *	5.66 *	2.37 *
-17	4.92 *	4.86 *	5.56 *	6.16 *	6.62 *	6.85 *	6.20 *	7.64 *	6.88 *	2.87 *
-19.5	5.66 *	5.61 *	6.42 *	7.13 *	7.65 *	7.93 *	7.18 *	8.83 *	7.95 *	3.30 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	5.39 *	5.36 *	6.16 *	6.84 *	7.33 *	7.60 *	6.87 *	8.45 *	7.59 *	3.13 *
-25.5	5.95 *	5.94 *	6.85 *	7.60 *	8.15 *	8.44 *	7.60 *	9.31 *	8.36 *	3.43 *
-29	6.33 *	6.34 *	7.33 *	8.16 *	8.75 *	9.05 *	8.10 *	9.86 *	8.83 *	3.59 *
-33	6.46 *	6.48 *	7.53 *	8.42 *	9.04 *	9.33 *	8.25 *	9.95 *	8.91 *	3.60 *
-37.5	6.26 *	6.30 *	7.34 *	8.24 *	8.87 *	9.09 *	7.91 *	9.50 *	8.52 *	3.38 *
-42.5	5.25 *	5.29 *	6.19 *	6.96 *	7.45 *	7.56 *	6.54 *	7.87 *	7.00 *	2.73 *
-47.5	6.16 *	6.19 *	7.20 *	8.04 *	8.52 *	8.58 *	7.46 *	8.95 *	7.75 *	2.98
-55	5.06 *	5.00 *	5.71 *	6.34 *	6.72 *	6.74 *	5.89 *	7.05 *	5.89	2.23
-65	2.02	1.97	2.21	2.45	2.63	2.62	2.30	2.76	2.23	0.84
-75	0.48	0.46	0.52	0.57	0.60	0.60	0.52	0.61	0.48	0.19
-85	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.01
-90										
Total	278.93	273.36	309.22	337.87	356.76	360.77	315.92	375.63	308.62	112.99

Vert. Angles	Horizontal Angles			<u>Total</u>
	<u>75</u>	<u>85</u>	<u>90</u>	
90				
	0.00	0.00		0.17
85				
	0.02	0.00		12.86
75				
	0.10	0.00		84.69
65				
	0.29	0.00		258.21
55				
	0.39	0.00		311.90
47.5				
	0.35	0.00		237.16
42.5				
	0.42	0.00		250.20
37.5				
	0.45	0.00		233.72
33				
	0.45	0.00		212.47
29				
	0.44	0.00		187.95
25.5				
	0.41	0.00		161.70
22.5				
	0.44	0.00		161.38
19.5				
	0.38	0.00		133.70
17				
	0.32	0.00		106.21

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MILGCOWPKSR-LED90DMVBZ50.IES

LUMENS TABULATION - (Cont.)

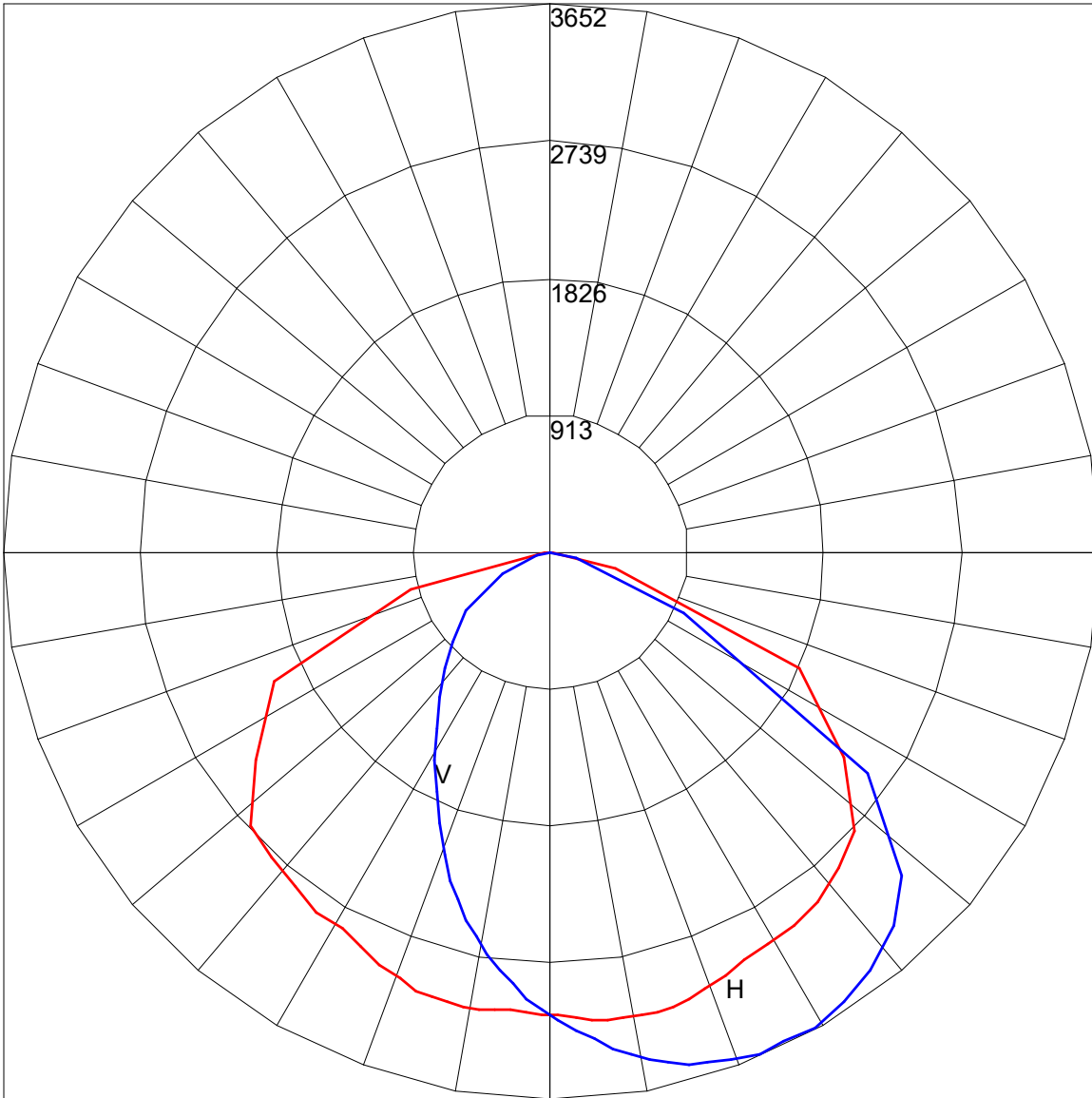
15	0.33	0.00	105.34
13	0.34	0.00	104.26
11	0.35	0.00	103.01
9	0.36	0.00	101.57
7	0.37	0.00	99.95
5	0.38	0.00	98.17
3	0.38	0.00	96.24
1	0.19	0.00	47.35
0	0.19	0.00	46.84
-1	0.39	0.00	92.13
-3	0.38	0.00	90.00
-5	0.38	0.00	87.77
-7	0.37	0.00	85.44
-9	0.36	0.00	83.07
-11	0.36	0.00	80.69
-13	0.35	0.00	78.30
-15	0.34	0.00	75.91
-17	0.40	0.00	91.52
-19.5	0.46	0.00	104.84
-22.5	0.43	0.00	99.39
-25.5	0.47	0.00	109.06
-29	0.48	0.00	115.37
-33	0.47	0.00	117.15
-37.5	0.43	0.00	113.08
-42.5	0.35	0.00	94.44
-47.5	0.39	0.00	109.48
-55	0.30	0.00	88.68
-65	0.13	0.00	35.40

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MILGCOWPKSR-LED90DMVBZ50.IES

LUMENS TABULATION - (Cont.)

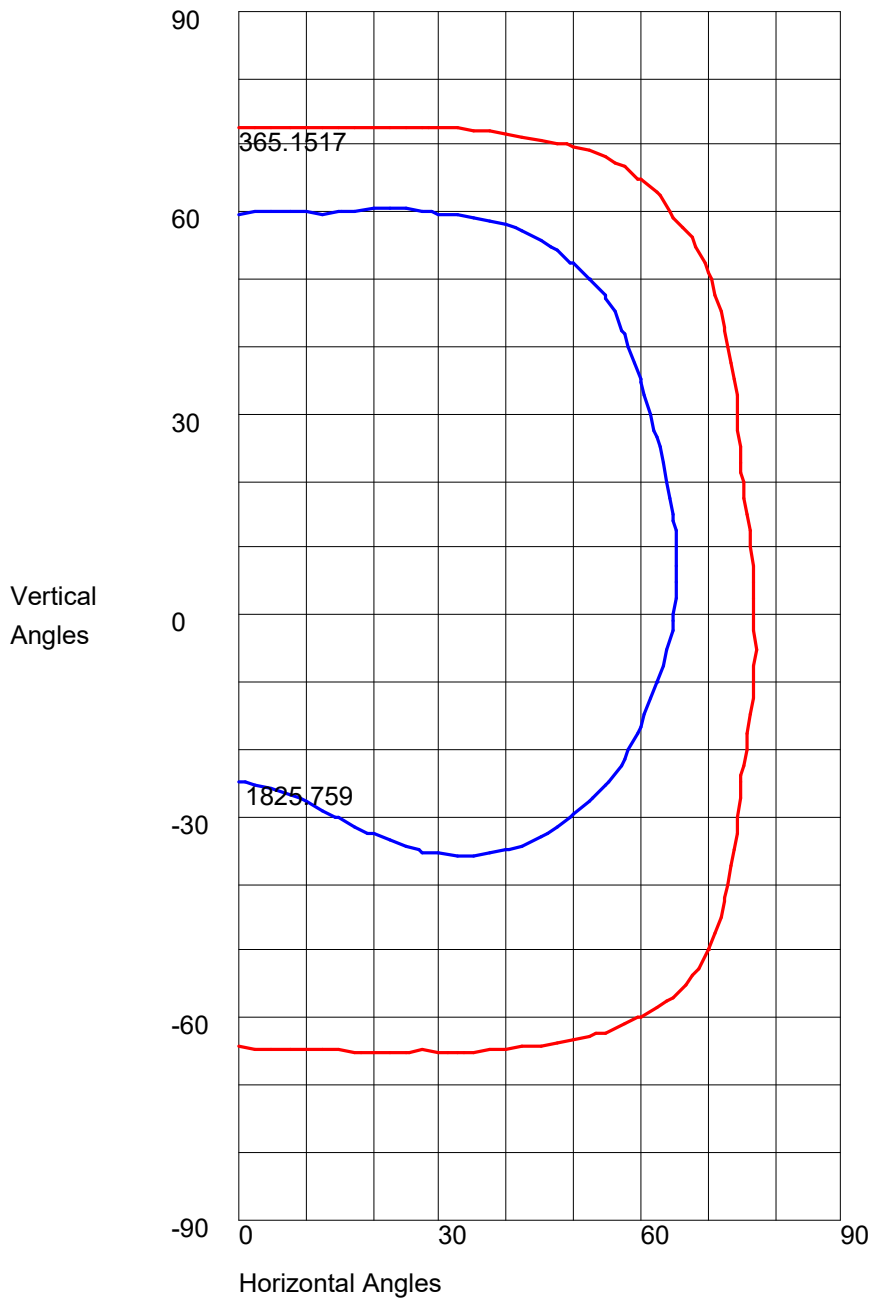
-75	0.04	0.00	8.17
-85	0.01	0.00	0.36
-90			
Total	14.65	0.08	4915.32

AXIAL CANDELA DISPLAY



Maximum Candela = 3651.517 Located At Horizontal Angle = 9, Vertical Angle = 25.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3651.517 Located At Horizontal Angle = 9, Vertical Angle = 25.5
50% Maximum Candela = 1825.7585
10% Maximum Candela = 365.1517