



IES FLOOD REPORT

PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3528

[TESTLAB] TUV SUD America

[TESTDATE] 9/18/2018 3:33:53 PM

[ISSUEDATE] 01/07/2019

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] TMFL-LED-07L-W-50

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

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

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	2916.403
Maximum Candela Angle	0H 3V
Horizontal Beam Angle (50%)	109.3
Vertical Beam Angle (50%)	101.7
Horizontal Field Angle (10%)	146.7
Vertical Field Angle (10%)	135.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	5657
Beam Efficiency	N.A.
Field Lumens	7144
Field Efficiency	N.A.
Spill Lumens	110
Luminaire Lumens	7254
Total Efficiency	N.A.
Total Luminaire Watts	61.33
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	.004	90	0
85	2.811	85	0
75	196.238	75	0
65	786.673	65	78.244
55	1438.181	55	1029.259
47.5	1841.859	47.5	1632.206
42.5	2077.848	42.5	1864.944
37.5	2278.24	37.5	2139.237
33	2425.35	33	2383.409
29	2541.235	29	2557.303
25.5	2626.149	25.5	2678.037
22.5	2687.361	22.5	2734.349
19.5	2741.681	19.5	2784.228
17	2781.957	17	2820.587
15	2811.827	15	2843.251
13	2835.581	13	2857.431
11	2855.277	11	2869.509
9	2871.597	9	2882.955
7	2885.462	7	2897.792
5	2898.032	5	2910.597
3	2908.025	3	2916.403
1	2911.763	1	2914.696
0	2912.59	0	2912.59
-1	2911.763	-1	2907.765
-3	2908.025	-3	2898.867
-5	2898.032	-5	2892.221
-7	2885.462	-7	2881.599
-9	2871.597	-9	2866.13
-11	2855.277	-11	2846
-13	2835.581	-13	2822.032
-15	2811.827	-15	2795.686
-17	2781.957	-17	2769.968
-19.5	2741.681	-19.5	2731.352
-22.5	2687.361	-22.5	2674.356
-25.5	2626.149	-25.5	2609.294
-29	2541.235	-29	2518.419
-33	2425.35	-33	2397.524
-37.5	2278.24	-37.5	2253.299
-42.5	2077.848	-42.5	2069.479
-47.5	1841.859	-47.5	1773.831
-55	1438.181	-55	1255.914
-65	786.673	-65	770.604
-75	196.238	-75	181.03
-85	2.811	-85	9.471
-90	.004	-90	.03

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CANDELA TABULATION

Maximum Candela = 2916.403

Beam Edge = 1458.2015 Cd (50% of Max.)

Field Edge = 291.6403 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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.146	0.187	0.000	0.010	0.006	0.000	0.000	0.000	0.000
75.0	0.001	0.439	0.767	0.709	2.339	2.069	1.254	1.509	1.553	2.011
65.0	0.002	0.728	3.359	12.990	52.558	75.136	84.316	114.588	139.522	152.272
55.0	0.002	1.094	13.153	92.413	267.830	419.954 *	540.205 *	654.857 *	764.395 *	833.861 *
47.5	0.003	1.419	26.274	204.478	515.812 *	778.854 *	1003.084 *	1180.481 *	1264.132 *	1353.856 *
42.5	0.003	1.626	45.897	293.285 *	691.676 *	1039.037 *	1244.672 *	1407.034 *	1537.227 *	1641.583 *
37.5	0.003	1.823	64.824	384.431 *	869.605 *	1250.960 *	1449.463 *	1626.174 *	1773.122 *	1886.362 *
33.0	0.004	1.991	81.618	462.200 *	1004.404 *	1403.372 *	1616.603 *	1804.534 *	1962.304 *	2088.740 *
29.0	0.004	2.132	102.874	526.292 *	1107.235 *	1529.081 *	1748.812 *	1940.885 *	2099.628 *	2225.694 *
25.5	0.004	2.248	120.097	581.881 *	1186.439 *	1621.254 *	1846.092 *	2040.879 *	2193.740 *	2311.079 *
22.5	0.004	2.341	133.749	618.748 *	1246.175 *	1679.456 *	1918.756 *	2111.837 *	2259.494 *	2373.625 *
19.5	0.004	2.428	146.302	656.382 *	1297.373 *	1729.861 *	1967.431 *	2168.638 *	2313.470 *	2424.698 *
17.0	0.004	2.496	155.871	684.280 *	1332.929 *	1764.020 *	2001.370 *	2203.295 *	2348.658 *	2458.825 *
15.0	0.004	2.546	162.913	704.286 *	1357.669 *	1785.317 *	2022.824 *	2225.286 *	2371.000 *	2482.125 *
13.0	0.004	2.593	169.388	722.206 *	1379.093 *	1803.417 *	2040.612 *	2242.072 *	2388.424 *	2500.573 *
11.0	0.004	2.698	175.273	738.018 *	1397.194 *	1818.282 *	2055.376 *	2256.108 *	2402.496 *	2515.608 *
9.0	0.004	2.719	180.550	751.703 *	1411.978 *	1829.887 *	2066.999 *	2267.248 *	2413.522 *	2527.784 *
7.0	0.004	2.739	185.197	763.246 *	1423.462 *	1838.221 *	2075.372 *	2275.356 *	2421.661 *	2536.334 *
5.0	0.004	2.759	191.379	772.637 *	1431.673 *	1843.292 *	2080.401 *	2280.310 *	2426.757 *	2541.549 *
3.0	0.004	2.780	193.320	782.299 *	1440.159 *	1848.662 *	2085.970 *	2282.002 *	2428.673 *	2543.837 *
1.0	0.004	2.801	195.265	785.214 *	1438.841 *	1844.129 *	2080.559 *	2280.773 *	2427.299 *	2542.944 *
0.0	0.004	2.811	196.238	786.673 *	1438.181 *	1841.859 *	2077.848 *	2278.240 *	2425.350 *	2541.235 *
-1.0	0.004	2.811	196.680	788.015 *	1439.166 *	1841.863 *	2077.834 *	2278.037 *	2424.522 *	2539.944 *
-3.0	0.004	2.881	197.563	790.698 *	1441.135 *	1841.872 *	2077.807 *	2273.770 *	2420.343 *	2534.799 *
-5.0	0.004	2.928	198.444	786.620 *	1433.624 *	1832.174 *	2066.652 *	2266.529 *	2412.869 *	2526.366 *
-7.0	0.004	2.975	194.968	782.789 *	1426.625 *	1822.939 *	2055.962 *	2255.935 *	2402.210 *	2514.829 *
-9.0	0.004	3.022	192.999	776.774 *	1416.778 *	1810.717 *	2041.769 *	2242.062 *	2388.501 *	2500.056 *
-11.0	0.004	3.068	190.319	768.575 *	1404.168 *	1795.573 *	2024.130 *	2225.006 *	2371.895 *	2482.074 *
-13.0	0.004	3.013	186.929	758.198 *	1388.883 *	1777.581 *	2003.119 *	2204.876 *	2352.068 *	2461.420 *
-15.0	0.004	3.024	182.834	745.654 *	1371.016 *	1756.827 *	1978.822 *	2181.799 *	2328.353 *	2437.235 *
-17.0	0.004	3.028	178.036	730.957 *	1350.661 *	1733.400 *	1951.423 *	2153.703 *	2301.212 *	2408.463 *
-19.5	0.004	3.024	171.063	709.588 *	1321.871 *	1699.372 *	1913.359 *	2114.362 *	2262.369 *	2368.870 *
-22.5	0.004	3.005	161.279	679.614 *	1281.010 *	1653.046 *	1862.270 *	2059.516 *	2206.100 *	2314.464 *
-25.5	0.004	2.970	149.978	650.187 *	1234.176 *	1602.098 *	1805.203 *	1994.712 *	2142.720 *	2252.739 *
-29.0	0.004	2.909	134.919	600.550 *	1173.355 *	1530.845 *	1730.419 *	1912.516 *	2059.772 *	2171.206 *
-33.0	0.004	2.812	115.314	542.164 *	1091.564 *	1432.033 *	1629.749 *	1807.291 *	1951.092 *	2058.319 *
-37.5	0.003	2.666	98.757	470.879 *	983.730 *	1301.393 *	1492.300 *	1670.258 *	1809.147 *	1912.610 *
-42.5	0.003	2.461	78.434	389.924 *	840.422 *	1120.044 *	1301.053 *	1479.157 *	1616.141 *	1706.185 *
-47.5	0.003	2.209	55.683	308.029 *	685.508 *	932.899 *	1083.155 *	1242.742 *	1361.039 *	1443.811 *
-55.0	0.002	1.750	35.506	192.730	455.634 *	658.145 *	769.457 *	870.012 *	967.167 *	1039.473 *
-65.0	0.002	1.192	14.659	75.057	192.688	311.594 *	389.812 *	457.262 *	516.170 *	566.574 *
-75.0	0.001	0.741	4.591	19.021	40.237	59.522	79.384	92.953	102.354	118.901
-85.0	0.000	0.252	1.124	2.455	4.322	5.492	6.126	6.738	7.193	7.530
-90.0	0.000	0.001	0.002	0.005	0.008	0.011	0.014	0.016	0.019	0.021

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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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	1.821	1.277	1.090	1.034	0.965	0.876	0.771	0.650	0.518	0.384
65.0	153.573	156.873	164.386	171.112	171.602	168.154	161.161	151.033	138.193	123.075
55.0	883.374 *	925.751 *	955.312 *	962.066 *	971.481 *	982.952 *	995.395 *	1007.678 *	1018.638 *	1027.083 *
47.5	1455.475	*1506.928	*1551.057	*1577.813	*1590.375	*1602.294	*1613.197	*1622.591	*1629.961	*1634.783 *
42.5	1713.790	*1760.378	*1796.850	*1819.131	*1834.052	*1850.890	*1863.918	*1873.057	*1878.247	*1879.449 *
37.5	1960.536	*2009.970	*2050.268	*2079.820	*2100.544	*2119.340	*2135.574	*2147.352	*2154.432	*2156.591 *
33.0	2162.445	*2215.323	*2264.142	*2300.362	*2327.351	*2352.797	*2369.479	*2381.093	*2389.250	*2393.449 *
29.0	2310.051	*2365.127	*2417.204	*2455.165	*2483.895	*2506.404	*2526.265	*2540.112	*2550.263	*2556.877 *
25.5	2402.065	*2467.280	*2517.534	*2555.322	*2581.715	*2605.956	*2629.128	*2645.720	*2658.179	*2668.043 *
22.5	2462.638	*2529.692	*2583.800	*2620.109	*2646.775	*2671.127	*2693.905	*2711.212	*2722.224	*2729.797 *
19.5	2511.986	*2577.359	*2632.368	*2669.977	*2696.572	*2720.002	*2741.350	*2758.765	*2771.630	*2779.147 *
17.0	2545.870	*2608.682	*2662.754	*2701.842	*2729.701	*2752.632	*2774.031	*2791.010	*2805.180	*2813.415 *
15.0	2567.338	*2629.485	*2683.393	*2723.267	*2750.724	*2775.453	*2795.512	*2813.199	*2826.776	*2836.208 *
13.0	2585.151	*2646.864	*2700.475	*2740.065	*2769.063	*2793.985	*2814.385	*2831.033	*2845.443	*2855.329 *
11.0	2600.493	*2661.524	*2714.993	*2755.151	*2783.715	*2808.772	*2829.161	*2845.697	*2859.511	*2870.164 *
9.0	2612.035	*2672.267	*2725.870	*2766.651	*2796.507	*2819.919	*2840.178	*2857.526	*2870.539	*2880.715 *
7.0	2620.448	*2680.872	*2734.828	*2775.774	*2804.341	*2828.682	*2848.565	*2865.388	*2880.055	*2889.995 *
5.0	2625.937	*2686.652	*2741.196	*2782.322	*2810.082	*2833.742	*2853.942	*2871.022	*2885.479	*2897.764 *
3.0	2628.375	*2689.379	*2743.916	*2784.736	*2813.241	*2836.735	*2856.593	*2873.601	*2888.634	*2899.744 *
1.0	2627.681	*2689.292	*2743.242	*2783.687	*2813.679	*2836.800	*2856.510	*2873.096	*2887.307	*2899.778 *
0.0	2626.149	*2687.361	*2741.681	*2781.957	*2811.827	*2835.581	*2855.277	*2871.597	*2885.462	*2898.032 *
-1.0	2624.777	*2686.668	*2740.514	*2780.453	*2810.012	*2832.932	*2852.710	*2869.445	*2883.762	*2896.585 *
-3.0	2619.634	*2681.404	*2735.807	*2775.115	*2802.357	*2825.133	*2844.959	*2862.432	*2877.719	*2889.571 *
-5.0	2611.279	*2673.078	*2727.832	*2766.591	*2792.312	*2814.412	*2834.680	*2854.131	*2869.766	*2881.955 *
-7.0	2599.746	*2661.299	*2715.929	*2754.454	*2780.702	*2804.015	*2824.783	*2843.392	*2859.692	*2869.001 *
-9.0	2585.119	*2646.177	*2700.866	*2739.898	*2767.840	*2790.383	*2811.063	*2829.824	*2842.792	*2853.269 *
-11.0	2567.091	*2627.772	*2682.454	*2721.956	*2749.080	*2773.421	*2793.736	*2810.048	*2822.952	*2832.288 *
-13.0	2543.975	*2605.271	*2659.257	*2698.665	*2727.233	*2751.413	*2771.658	*2787.455	*2800.449	*2809.318 *
-15.0	2518.173	*2579.808	*2633.041	*2673.007	*2699.852	*2724.937	*2744.767	*2761.799	*2773.615	*2784.037 *
-17.0	2489.371	*2550.612	*2603.335	*2641.687	*2670.000	*2693.289	*2714.655	*2730.676	*2743.273	*2755.991 *
-19.5	2448.371	*2508.712	*2561.514	*2599.276	*2626.075	*2649.442	*2670.040	*2686.396	*2701.435	*2715.253 *
-22.5	2392.943	*2451.538	*2503.506	*2541.030	*2567.089	*2589.767	*2609.581	*2625.190	*2642.508	*2656.223 *
-25.5	2331.236	*2387.767	*2437.463	*2474.538	*2499.972	*2522.187	*2541.710	*2559.626	*2576.484	*2590.126 *
-29.0	2248.540	*2304.344	*2352.382	*2386.483	*2410.939	*2432.075	*2451.296	*2471.387	*2487.816	*2500.654 *
-33.0	2134.912	*2192.148	*2241.836	*2275.107	*2298.069	*2318.321	*2338.529	*2356.157	*2370.867	*2382.518 *
-37.5	1990.642	*2047.665	*2095.426	*2129.061	*2152.619	*2174.427	*2195.128	*2212.822	*2227.421	*2238.853 *
-42.5	1779.942	*1841.212	*1893.581	*1934.245	*1960.424	*1984.764	*2006.407	*2025.172	*2040.882	*2053.369 *
-47.5	1504.233	*1552.868	*1599.538	*1634.900	*1666.134	*1693.937	*1718.012	*1738.126	*1754.053	*1765.578 *
-55.0	1089.319	*1119.769	*1141.213	*1166.840	*1187.982	*1206.123	*1221.321	*1233.645	*1243.174	*1249.999 *
-65.0	613.259 *	638.213 *	665.474 *	687.990 *	704.123 *	718.565 *	731.304 *	742.328 *	751.630 *	759.207 *
-75.0	130.456	138.206	148.368	156.616	162.361	167.344	171.560	175.009	177.689	181.980
-85.0	7.778	7.958	8.184	8.368	8.512	8.653	8.859	8.970	9.081	9.193
-90.0	0.022	0.024	0.025	0.026	0.026	0.027	0.028	0.028	0.028	0.029

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.230	0.077	0.000	0.077	0.230	0.384	0.518	0.650	0.771	0.876
65.0	107.161	87.885	78.244	87.885	107.161	123.075	138.193	151.033	161.161	168.154

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CANDELA TABULATION - (Cont.)

55.0	1038.718	*1032.413	*1029.259	*1032.413	*1038.718	*1027.083	*1018.638	*1007.678	*995.394	* 982.952 *
47.5	1641.169	*1635.196	*1632.206	*1635.196	*1641.169	*1634.783	*1629.961	*1622.591	*1613.197	*1602.294 *
42.5	1881.097	*1870.334	*1864.944	*1870.334	*1881.097	*1879.449	*1878.247	*1873.057	*1863.918	*1850.890 *
37.5	2153.631	*2146.065	*2139.237	*2146.065	*2153.631	*2156.591	*2154.432	*2147.353	*2135.574	*2119.340 *
33.0	2393.194	*2388.001	*2383.409	*2388.001	*2393.194	*2393.449	*2389.250	*2381.093	*2369.479	*2352.797 *
29.0	2560.195	*2559.443	*2557.303	*2559.443	*2560.195	*2556.877	*2550.263	*2540.112	*2526.265	*2506.404 *
25.5	2674.806	*2677.962	*2678.037	*2677.962	*2674.806	*2668.043	*2658.179	*2645.720	*2629.128	*2605.956 *
22.5	2733.996	*2735.340	*2734.349	*2735.340	*2733.996	*2729.797	*2722.224	*2711.215	*2693.905	*2671.127 *
19.5	2783.261	*2784.610	*2784.228	*2784.610	*2783.261	*2779.147	*2771.630	*2758.765	*2741.350	*2720.002 *
17.0	2818.507	*2820.549	*2820.587	*2820.549	*2818.507	*2813.415	*2805.180	*2791.010	*2774.031	*2752.632 *
15.0	2841.250	*2843.704	*2843.251	*2843.704	*2841.250	*2836.208	*2826.776	*2813.199	*2795.512	*2775.453 *
13.0	2858.361	*2858.391	*2857.431	*2858.391	*2858.361	*2855.329	*2845.443	*2831.033	*2814.385	*2793.985 *
11.0	2872.666	*2871.151	*2869.509	*2871.151	*2872.666	*2870.164	*2859.511	*2845.697	*2829.161	*2808.772 *
9.0	2885.595	*2884.468	*2882.955	*2884.468	*2885.595	*2880.715	*2870.539	*2857.526	*2840.178	*2819.919 *
7.0	2897.426	*2898.303	*2897.792	*2898.303	*2897.426	*2889.995	*2880.055	*2865.388	*2848.565	*2828.682 *
5.0	2904.686	*2909.757	*2910.597	*2909.757	*2904.686	*2897.764	*2885.479	*2871.022	*2853.942	*2833.742 *
3.0	2909.396	*2913.516	*2916.403	*2913.516	*2909.387	*2899.744	*2888.634	*2873.601	*2856.593	*2836.735 *
1.0	2907.686	*2913.284	*2914.696	*2913.284	*2907.686	*2899.778	*2887.307	*2873.096	*2856.510	*2836.800 *
0.0	2908.025	*2911.763	*2912.590	*2911.763	*2908.025	*2898.032	*2885.462	*2871.597	*2855.277	*2835.581 *
-1.0	2903.642	*2907.968	*2907.765	*2907.968	*2903.642	*2896.585	*2883.762	*2869.445	*2852.710	*2832.932 *
-3.0	2897.391	*2896.907	*2898.867	*2896.907	*2897.390	*2889.571	*2877.719	*2862.432	*2844.959	*2825.133 *
-5.0	2886.638	*2890.774	*2892.221	*2890.774	*2886.638	*2881.955	*2869.766	*2854.131	*2834.680	*2814.412 *
-7.0	2875.339	*2880.210	*2881.599	*2880.210	*2875.339	*2869.001	*2859.692	*2843.392	*2824.783	*2804.015 *
-9.0	2860.149	*2864.991	*2866.130	*2864.991	*2860.149	*2853.269	*2842.792	*2829.824	*2811.063	*2790.383 *
-11.0	2840.104	*2845.027	*2846.000	*2845.027	*2840.104	*2832.288	*2822.952	*2810.048	*2793.736	*2773.421 *
-13.0	2816.945	*2821.269	*2822.032	*2821.269	*2816.945	*2809.318	*2800.449	*2787.455	*2771.658	*2751.413 *
-15.0	2791.642	*2795.693	*2795.686	*2795.693	*2791.642	*2784.037	*2773.615	*2761.799	*2744.767	*2724.937 *
-17.0	2764.414	*2768.914	*2769.968	*2768.914	*2764.414	*2755.991	*2743.273	*2730.676	*2714.655	*2693.289 *
-19.5	2724.374	*2729.841	*2731.352	*2729.841	*2724.374	*2715.253	*2701.435	*2686.396	*2670.040	*2649.442 *
-22.5	2666.248	*2673.018	*2674.356	*2673.018	*2666.248	*2656.223	*2642.508	*2625.201	*2609.581	*2589.767 *
-25.5	2600.402	*2607.209	*2609.294	*2607.209	*2600.402	*2590.126	*2576.484	*2559.626	*2541.710	*2522.187 *
-29.0	2510.308	*2516.590	*2518.419	*2516.590	*2510.308	*2500.654	*2487.816	*2471.387	*2451.296	*2432.075 *
-33.0	2390.988	*2396.180	*2397.524	*2396.180	*2390.988	*2382.518	*2370.867	*2356.157	*2338.529	*2318.321 *
-37.5	2247.067	*2252.441	*2253.299	*2252.441	*2247.067	*2238.853	*2227.421	*2212.822	*2195.128	*2174.427 *
-42.5	2066.586	*2068.514	*2069.479	*2068.514	*2066.586	*2053.369	*2040.882	*2025.172	*2006.407	*1984.764 *
-47.5	1778.080	*1775.248	*1773.831	*1775.248	*1778.080	*1765.578	*1754.053	*1738.126	*1718.012	*1693.937 *
-55.0	1256.892	*1256.240	*1255.914	*1256.240	*1256.892	*1249.999	*1243.174	*1233.645	*1221.321	*1206.123 *
-65.0	766.989	* 769.399 *	* 770.604 *	* 769.399 *	* 766.989 *	* 759.207 *	* 751.630 *	* 742.328 *	* 731.304 *	* 718.565 *
-75.0	181.600	181.220	181.030	181.220	181.600	181.980	177.689	175.009	171.560	167.344
-85.0	9.304	9.415	9.471	9.415	9.304	9.193	9.081	8.970	8.859	8.653
-90.0	0.029	0.030	0.030	0.030	0.029	0.029	0.028	0.028	0.028	0.027

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006
75.0	0.965	1.034	1.090	1.277	1.821	2.011	1.553	1.509	1.254	2.069
65.0	171.602	171.112	164.386	156.873	153.573	152.272	139.522	114.588	84.316	75.136
55.0	971.481 *	* 962.066 *	* 955.312 *	* 925.751 *	* 883.374 *	* 833.861 *	* 764.395 *	* 654.857 *	* 540.205 *	* 419.954 *
47.5	1590.375	*1577.905	*1551.057	*1506.928	*1455.475	*1353.856	*1264.132	*1180.481	*1003.084	*778.854 *
42.5	1834.053	*1819.131	*1796.850	*1760.378	*1713.790	*1641.583	*1537.227	*1407.034	*1244.672	*1039.037 *
37.5	2100.544	*2079.820	*2050.268	*2009.970	*1960.536	*1886.362	*1773.122	*1626.174	*1449.463	*1250.960 *
33.0	2327.351	*2300.362	*2264.142	*2215.323	*2162.445	*2088.740	*1962.304	*1804.534	*1616.603	*1403.372 *
29.0	2483.895	*2455.165	*2417.204	*2365.127	*2310.051	*2225.694	*2099.628	*1940.885	*1748.812	*1529.081 *
25.5	2581.715	*2555.322	*2517.534	*2467.280	*2402.065	*2311.079	*2193.740	*2040.879	*1846.092	*1621.254 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

CANDELA TABULATION - (Cont.)

22.5	2646.775	*2620.109	*2583.800	*2529.692	*2462.638	*2373.625	*2259.494	*2111.837	*1918.756	*1679.456 *
19.5	2696.572	*2669.977	*2632.368	*2577.359	*2511.987	*2424.698	*2313.470	*2168.638	*1967.431	*1729.861 *
17.0	2729.701	*2701.842	*2662.754	*2608.682	*2545.870	*2458.825	*2348.658	*2203.295	*2001.370	*1764.020 *
15.0	2750.724	*2723.267	*2683.393	*2629.485	*2567.338	*2482.125	*2371.000	*2225.286	*2022.824	*1785.317 *
13.0	2769.063	*2740.065	*2700.475	*2646.864	*2585.151	*2500.573	*2388.424	*2242.072	*2040.612	*1803.417 *
11.0	2783.715	*2755.151	*2714.993	*2661.524	*2600.493	*2515.608	*2402.496	*2256.108	*2055.376	*1818.282 *
9.0	2796.507	*2766.651	*2725.870	*2672.267	*2612.035	*2527.784	*2413.522	*2267.248	*2066.999	*1829.887 *
7.0	2804.341	*2775.774	*2734.828	*2680.872	*2620.448	*2536.334	*2421.661	*2275.356	*2075.372	*1838.221 *
5.0	2810.082	*2782.322	*2741.196	*2686.652	*2625.937	*2541.549	*2426.757	*2280.310	*2080.401	*1843.292 *
3.0	2813.241	*2784.736	*2743.916	*2689.379	*2628.375	*2543.837	*2428.673	*2282.002	*2085.970	*1848.662 *
1.0	2813.679	*2783.687	*2743.242	*2689.292	*2627.681	*2542.944	*2427.299	*2280.773	*2080.559	*1844.129 *
0.0	2811.827	*2781.957	*2741.681	*2687.361	*2626.149	*2541.235	*2425.350	*2278.240	*2077.848	*1841.859 *
-1.0	2810.012	*2780.453	*2740.514	*2686.668	*2624.777	*2539.944	*2424.522	*2278.037	*2077.834	*1841.863 *
-3.0	2802.357	*2775.115	*2735.807	*2681.404	*2619.634	*2534.799	*2420.343	*2273.770	*2077.807	*1841.872 *
-5.0	2792.312	*2766.591	*2727.832	*2673.078	*2611.279	*2526.366	*2412.869	*2266.529	*2066.652	*1832.174 *
-7.0	2780.702	*2754.454	*2715.929	*2661.299	*2599.746	*2514.829	*2402.210	*2255.935	*2055.962	*1822.939 *
-9.0	2767.840	*2739.898	*2700.866	*2646.177	*2585.119	*2500.056	*2388.501	*2242.062	*2041.769	*1810.717 *
-11.0	2749.080	*2721.956	*2682.454	*2627.772	*2567.091	*2482.074	*2371.895	*2225.006	*2024.130	*1795.573 *
-13.0	2727.233	*2698.665	*2659.257	*2605.271	*2543.975	*2461.420	*2352.068	*2204.876	*2003.119	*1777.581 *
-15.0	2699.852	*2673.007	*2633.041	*2579.808	*2518.173	*2437.235	*2328.353	*2181.799	*1978.822	*1756.827 *
-17.0	2670.000	*2641.687	*2603.335	*2550.612	*2489.371	*2408.463	*2301.212	*2153.703	*1951.423	*1733.400 *
-19.5	2626.075	*2599.276	*2561.514	*2508.712	*2448.371	*2368.870	*2262.369	*2114.362	*1913.359	*1699.372 *
-22.5	2567.089	*2541.030	*2503.506	*2451.538	*2392.943	*2314.464	*2206.100	*2059.516	*1862.270	*1653.046 *
-25.5	2499.972	*2474.538	*2437.463	*2387.767	*2331.236	*2252.739	*2142.720	*1994.712	*1805.203	*1602.098 *
-29.0	2410.939	*2386.483	*2352.382	*2304.344	*2248.540	*2171.206	*2059.772	*1912.516	*1730.419	*1530.845 *
-33.0	2298.069	*2275.107	*2241.836	*2192.148	*2134.912	*2058.319	*1951.092	*1807.291	*1629.749	*1432.033 *
-37.5	2152.619	*2129.061	*2095.426	*2047.665	*1990.642	*1912.610	*1809.147	*1670.258	*1492.300	*1301.393 *
-42.5	1960.424	*1934.245	*1893.581	*1841.212	*1779.942	*1706.185	*1616.141	*1479.157	*1301.053	*1120.044 *
-47.5	1666.134	*1634.798	*1599.538	*1552.868	*1504.233	*1443.811	*1361.039	*1242.742	*1083.155	*932.899 *
-55.0	1187.982	*1166.840	*1141.213	*1119.769	*1089.319	*1039.473	*967.167 *	870.012 *	769.457 *	658.145 *
-65.0	704.123 *	687.990 *	665.474 *	638.213 *	613.259 *	566.574 *	516.170 *	457.262 *	389.812 *	311.594 *
-75.0	162.361	156.616	148.368	138.206	130.456	118.901	102.354	92.953	79.384	59.522
-85.0	8.512	8.368	8.184	7.961	7.778	7.530	7.193	6.738	6.126	5.492
-90.0	0.026	0.026	0.025	0.024	0.022	0.021	0.019	0.016	0.014	0.011

Vert. Angles	Horizontal Angles				
	55.0	65.0	75.0	85.0	90.0
90.0	0.000	0.000	0.000	0.000	0.000
85.0	0.010	0.000	0.187	0.146	0.000
75.0	2.339	0.709	0.767	0.439	0.001
65.0	52.558	12.990	3.359	0.728	0.002
55.0	267.830	92.413	13.153	1.094	0.002
47.5	515.812 *	204.478	26.274	1.419	0.003
42.5	691.676 *	293.285 *	45.897	1.626	0.003
37.5	869.605 *	384.431 *	64.824	1.823	0.003
33.0	1004.404 *	462.200 *	81.618	1.991	0.004
29.0	1107.235 *	526.292 *	102.874	2.132	0.004
25.5	1186.439 *	581.880 *	120.097	2.248	0.004
22.5	1246.175 *	618.748 *	133.749	2.341	0.004
19.5	1297.373 *	656.382 *	146.302	2.428	0.004
17.0	1332.929 *	684.280 *	155.871	2.496	0.004
15.0	1357.669 *	704.286 *	162.913	2.546	0.004
13.0	1379.093 *	722.206 *	169.388	2.593	0.004
11.0	1397.194 *	738.018 *	175.273	2.698	0.004
9.0	1411.978 *	751.703 *	180.550	2.719	0.004

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

CANDELA TABULATION - (Cont.)

7.0	1423.462	*763.246	* 185.197	2.739	0.004
5.0	1431.673	*772.637	* 191.379	2.759	0.004
3.0	1440.159	*782.299	* 193.320	2.780	0.004
1.0	1438.841	*785.214	* 195.265	2.811	0.004
0.0	1438.181	*786.673	* 196.238	2.811	0.004
-1.0	1439.166	*788.015	* 196.680	2.835	0.004
-3.0	1441.135	*790.698	* 197.563	2.881	0.004
-5.0	1433.624	*786.620	* 198.444	2.928	0.004
-7.0	1426.625	*782.789	* 194.968	2.975	0.004
-9.0	1416.778	*776.774	* 192.999	3.022	0.004
-11.0	1404.168	*768.575	* 190.319	3.068	0.004
-13.0	1388.883	*758.198	* 186.929	3.013	0.004
-15.0	1371.016	*745.654	* 182.834	3.024	0.004
-17.0	1350.661	*730.957	* 178.036	3.028	0.004
-19.5	1321.871	*709.588	* 171.063	3.024	0.004
-22.5	1281.010	*679.614	* 161.279	3.005	0.004
-25.5	1234.176	*650.187	* 149.978	2.970	0.004
-29.0	1173.355	*600.550	* 134.919	2.909	0.004
-33.0	1091.564	*542.164	* 115.314	2.812	0.004
-37.5	983.730	* 470.879	* 98.757	2.666	0.003
-42.5	840.422	* 389.924	* 78.434	2.461	0.003
-47.5	685.508	* 308.029	* 55.683	2.209	0.003
-55.0	455.634	* 192.730	35.506	1.750	0.002
-65.0	192.688	75.057	14.659	1.192	0.002
-75.0	40.237	19.021	4.591	0.741	0.001
-85.0	4.322	2.455	1.124	0.252	0.000
-90.0	0.008	0.005	0.002	0.001	0.000

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 3627.24

Total Field Lumens (one side of beam only) = 3572.24

* 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										
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.13	0.30	0.35	0.40	0.44	0.47	0.49	0.50	0.50	0.61
55	1.70 *	3.45 *	3.49 *	3.49 *	3.49 *	3.47 *	3.44 *	3.39 *	3.33 *	4.07 *
47.5	3.04 *	6.10 *	6.09 *	6.03 *	5.97 *	5.89 *	5.80 *	5.70 *	5.60 *	6.84 *
42.5	2.67 *	5.35 *	5.35 *	5.32 *	5.28 *	5.23 *	5.16 *	5.08 *	4.99 *	6.10 *
37.5	3.05 *	6.13 *	6.13 *	6.11 *	6.07 *	6.01 *	5.94 *	5.84 *	5.73 *	7.00 *
33	3.10 *	6.22 *	6.22 *	6.20 *	6.16 *	6.10 *	6.02 *	5.92 *	5.80 *	7.07 *
29	3.01 *	6.03 *	6.02 *	5.99 *	5.95 *	5.89 *	5.81 *	5.72 *	5.60 *	6.82 *
25.5	2.79 *	5.58 *	5.56 *	5.53 *	5.49 *	5.43 *	5.35 *	5.26 *	5.16 *	6.29 *
22.5	2.47 *	4.94 *	4.93 *	4.90 *	4.86 *	4.81 *	4.74 *	4.66 *	4.57 *	5.57 *
19.5	2.52 *	5.04 *	5.03 *	5.00 *	4.96 *	4.91 *	4.84 *	4.76 *	4.67 *	5.70 *
17	2.13 *	4.26 *	4.25 *	4.23 *	4.20 *	4.15 *	4.09 *	4.03 *	3.95 *	4.82 *
15	1.73 *	3.45 *	3.44 *	3.42 *	3.39 *	3.35 *	3.31 *	3.25 *	3.19 *	3.89 *
13	1.74 *	3.47 *	3.46 *	3.44 *	3.41 *	3.38 *	3.33 *	3.28 *	3.22 *	3.92 *
11	1.74 *	3.49 *	3.48 *	3.46 *	3.43 *	3.40 *	3.35 *	3.30 *	3.23 *	3.95 *
9	1.75 *	3.51 *	3.50 *	3.48 *	3.45 *	3.41 *	3.37 *	3.31 *	3.25 *	3.96 *
7	1.76 *	3.52 *	3.51 *	3.49 *	3.46 *	3.42 *	3.38 *	3.32 *	3.26 *	3.98 *
5	1.77 *	3.53 *	3.52 *	3.50 *	3.47 *	3.43 *	3.39 *	3.33 *	3.27 *	3.99 *
3	1.77 *	3.54 *	3.53 *	3.51 *	3.47 *	3.44 *	3.39 *	3.34 *	3.28 *	4.00 *
1	1.78 *	3.54 *	3.53 *	3.51 *	3.48 *	3.44 *	3.39 *	3.34 *	3.28 *	4.00 *
0	0.89 *	1.77 *	1.76 *	1.75 *	1.74 *	1.72 *	1.70 *	1.67 *	1.64 *	2.00 *
-1	0.89 *	1.77 *	1.76 *	1.75 *	1.74 *	1.72 *	1.69 *	1.67 *	1.64 *	2.00 *
	1.77 *	3.53 *	3.52 *	3.50 *	3.47 *	3.43 *	3.38 *	3.33 *	3.27 *	3.99 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

LUMENS TABULATION - (Cont.)

-3	1.76 *	3.52 *	3.51 *	3.49 *	3.46 *	3.42 *	3.37 *	3.32 *	3.26 *	3.98 *
-5	1.76 *	3.51 *	3.50 *	3.48 *	3.45 *	3.41 *	3.36 *	3.31 *	3.25 *	3.96 *
-7	1.75 *	3.49 *	3.48 *	3.46 *	3.43 *	3.39 *	3.35 *	3.29 *	3.23 *	3.95 *
-9	1.74 *	3.47 *	3.46 *	3.44 *	3.41 *	3.37 *	3.33 *	3.27 *	3.21 *	3.92 *
-11	1.73 *	3.45 *	3.43 *	3.41 *	3.38 *	3.35 *	3.30 *	3.25 *	3.19 *	3.89 *
-13	1.71 *	3.42 *	3.40 *	3.38 *	3.36 *	3.32 *	3.28 *	3.22 *	3.16 *	3.86 *
-15	1.70 *	3.39 *	3.37 *	3.35 *	3.32 *	3.29 *	3.24 *	3.19 *	3.13 *	3.82 *
-17	2.09 *	4.18 *	4.16 *	4.13 *	4.10 *	4.05 *	4.00 *	3.93 *	3.86 *	4.70 *
-19.5	2.47 *	4.93 *	4.91 *	4.87 *	4.82 *	4.77 *	4.70 *	4.62 *	4.54 *	5.54 *
-22.5	2.41 *	4.82 *	4.79 *	4.76 *	4.71 *	4.65 *	4.59 *	4.51 *	4.43 *	5.40 *
-25.5	2.73 *	5.45 *	5.42 *	5.38 *	5.33 *	5.26 *	5.19 *	5.10 *	5.01 *	6.11 *
-29	2.99 *	5.98 *	5.95 *	5.90 *	5.84 *	5.77 *	5.68 *	5.59 *	5.49 *	6.69 *
-33	3.19 *	6.36 *	6.33 *	6.28 *	6.22 *	6.14 *	6.05 *	5.95 *	5.83 *	7.11 *
-37.5	3.29 *	6.57 *	6.54 *	6.48 *	6.41 *	6.33 *	6.23 *	6.11 *	5.99 *	7.28 *
-42.5	2.93 *	5.85 *	5.82 *	5.77 *	5.70 *	5.62 *	5.51 *	5.40 *	5.27 *	6.38 *
-47.5	3.46 *	6.93 *	6.89 *	6.83 *	6.75 *	6.65 *	6.52 *	6.38 *	6.21 *	7.52 *
-55	3.09 *	6.16 *	6.13 *	6.06 *	5.99 *	5.89 *	5.78 *	5.64 *	5.49 *	6.62 *
-65	1.45 *	2.89 *	2.87 *	2.83 *	2.79 *	2.73 *	2.66 *	2.59 *	2.51 *	3.00 *
-75	0.29	0.58	0.58	0.57	0.56	0.55	0.53	0.51	0.49	0.58
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Total	86.75	173.49	172.99	171.91	170.41	168.45	166.05	163.22	160.01	194.90

Vert. Angles	Horizontal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.00
75	0.69	0.65	0.73	0.77	0.72	0.59	0.44	0.47	0.26	0.05
65	4.70 *	4.42 *	4.79 *	4.93 *	4.68 *	4.06 *	3.01	2.91	1.62	0.32
55	7.90 *	7.47 *	8.04 *	8.26 *	8.11 *	7.39 *	5.54 *	5.31 *	3.08	0.66

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

LUMENS TABULATION - (Cont.)

47.5	7.05 *	6.72 *	7.30 *	7.57 *	7.54 *	7.05 *	5.47 *	5.40 *	3.24 *	0.74
42.5	8.12 *	7.77 *	8.53 *	8.93 *	8.87 *	8.35 *	6.71 *	6.88 *	4.26 *	1.03
37.5	8.20 *	7.84 *	8.63 *	9.06 *	9.02 *	8.52 *	6.93 *	7.28 *	4.66 *	1.16
33	7.90 *	7.56 *	8.33 *	8.75 *	8.74 *	8.29 *	6.78 *	7.21 *	4.72 *	1.22 *
29	7.29 *	6.97 *	7.67 *	8.07 *	8.10 *	7.73 *	6.35 *	6.81 *	4.53 *	1.21 *
25.5	6.46 *	6.17 *	6.79 *	7.16 *	7.22 *	6.93 *	5.71 *	6.14 *	4.15 *	1.14 *
22.5	6.60 *	6.31 *	6.95 *	7.34 *	7.43 *	7.14 *	5.89 *	6.38 *	4.36 *	1.21 *
19.5	5.59 *	5.34 *	5.89 *	6.23 *	6.32 *	6.08 *	5.02 *	5.47 *	3.78 *	1.07 *
17	4.51 *	4.32 *	4.76 *	5.04 *	5.12 *	4.93 *	4.08 *	4.46 *	3.10 *	0.89 *
15	4.55 *	4.35 *	4.80 *	5.09 *	5.16 *	4.98 *	4.12 *	4.52 *	3.17 *	0.92 *
13	4.57 *	4.38 *	4.83 *	5.12 *	5.20 *	5.01 *	4.15 *	4.57 *	3.22 *	0.94 *
11	4.60 *	4.40 *	4.86 *	5.15 *	5.23 *	5.04 *	4.18 *	4.61 *	3.27 *	0.96 *
9	4.61 *	4.42 *	4.88 *	5.17 *	5.25 *	5.07 *	4.20 *	4.65 *	3.31 *	0.98 *
7	4.63 *	4.43 *	4.89 *	5.18 *	5.26 *	5.08 *	4.22 *	4.67 *	3.34 *	0.99 *
5	4.63 *	4.44 *	4.90 *	5.19 *	5.27 *	5.09 *	4.23 *	4.69 *	3.37 *	1.01 *
3	4.63 *	4.44 *	4.90 *	5.19 *	5.27 *	5.09 *	4.23 *	4.70 *	3.38 *	1.02 *
1	2.32 *	2.22 *	2.45 *	2.59 *	2.63 *	2.54 *	2.11 *	2.34 *	1.69 *	0.51 *
0	2.32 *	2.22 *	2.45 *	2.59 *	2.63 *	2.54 *	2.11 *	2.34 *	1.69 *	0.51 *
-1	4.63 *	4.43 *	4.89 *	5.18 *	5.26 *	5.08 *	4.22 *	4.69 *	3.39 *	1.03 *
-3	4.61 *	4.42 *	4.88 *	5.17 *	5.25 *	5.06 *	4.21 *	4.68 *	3.39 *	1.03 *
-5	4.60 *	4.40 *	4.86 *	5.15 *	5.23 *	5.04 *	4.19 *	4.66 *	3.37 *	1.02 *
-7	4.57 *	4.38 *	4.83 *	5.12 *	5.20 *	5.01 *	4.16 *	4.63 *	3.35 *	1.01 *
-9	4.55 *	4.35 *	4.80 *	5.09 *	5.16 *	4.98 *	4.13 *	4.59 *	3.32 *	1.00 *
-11	4.51 *	4.32 *	4.76 *	5.05 *	5.12 *	4.93 *	4.09 *	4.55 *	3.29 *	0.99 *
-13	4.47 *	4.28 *	4.72 *	5.00 *	5.07 *	4.88 *	4.05 *	4.50 *	3.24 *	0.97 *
-15	4.42 *	4.23 *	4.67 *	4.95 *	5.02 *	4.82 *	3.99 *	4.44 *	3.19 *	0.96 *
-17	5.45 *	5.22 *	5.75 *	6.10 *	6.18 *	5.93 *	4.91 *	5.45 *	3.91 *	1.16 *
-19.5	6.41 *	6.14 *	6.77 *	7.17 *	7.25 *	6.95 *	5.76 *	6.38 *	4.55 *	1.34 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

LUMENS TABULATION - (Cont.)

-22.5	6.26 *	5.99 *	6.60 *	6.98 *	7.05 *	6.75 *	5.59 *	6.18 *	4.39 *	1.28 *
-25.5	7.08 *	6.77 *	7.47 *	7.88 *	7.94 *	7.60 *	6.28 *	6.93 *	4.87 *	1.40 *
-29	7.75 *	7.41 *	8.16 *	8.60 *	8.65 *	8.26 *	6.81 *	7.47 *	5.18 *	1.45 *
-33	8.23 *	7.86 *	8.63 *	9.08 *	9.11 *	8.66 *	7.09 *	7.73 *	5.29 *	1.44 *
-37.5	8.40 *	7.99 *	8.75 *	9.19 *	9.20 *	8.66 *	7.02 *	7.58 *	5.11 *	1.35
-42.5	7.34 *	6.97 *	7.62 *	8.00 *	7.97 *	7.44 *	5.97 *	6.39 *	4.23 *	1.08
-47.5	8.66 *	8.24 *	9.02 *	9.42 *	9.32 *	8.67 *	6.95 *	7.32 *	4.68 *	1.15
-55	7.60 *	7.22 *	7.84 *	8.06 *	7.86 *	7.25 *	5.73 *	5.78 *	3.48	0.83
-65	3.39 *	3.17 *	3.39 *	3.40 *	3.27 *	2.97	2.26	2.16	1.24	0.29
-75	0.65	0.59	0.63	0.62	0.59	0.54	0.41	0.39	0.25	0.07
-85	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.00
-90	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.00
Total	225.48	215.24	236.46	248.60	249.51	237.04	193.33	208.36	141.93	39.40

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00	0.00	
85				
	0.00	0.00	0.11	
75				
	0.01	0.00	9.57	
65				
	0.02	0.00	68.81	
55				
	0.04	0.00	118.87	
47.5				
	0.05	0.00	108.66	
42.5				
	0.08	0.00	127.54	
37.5				
	0.09	0.00	130.20	
33				
	0.10	0.00	126.43	
29				
	0.11	0.00	117.29	
25.5				
	0.10	0.00	104.40	
22.5				
	0.11	0.00	107.15	
19.5				
	0.10	0.00	91.00	
17				
	0.09	0.00	73.72	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

LUMENS TABULATION - (Cont.)

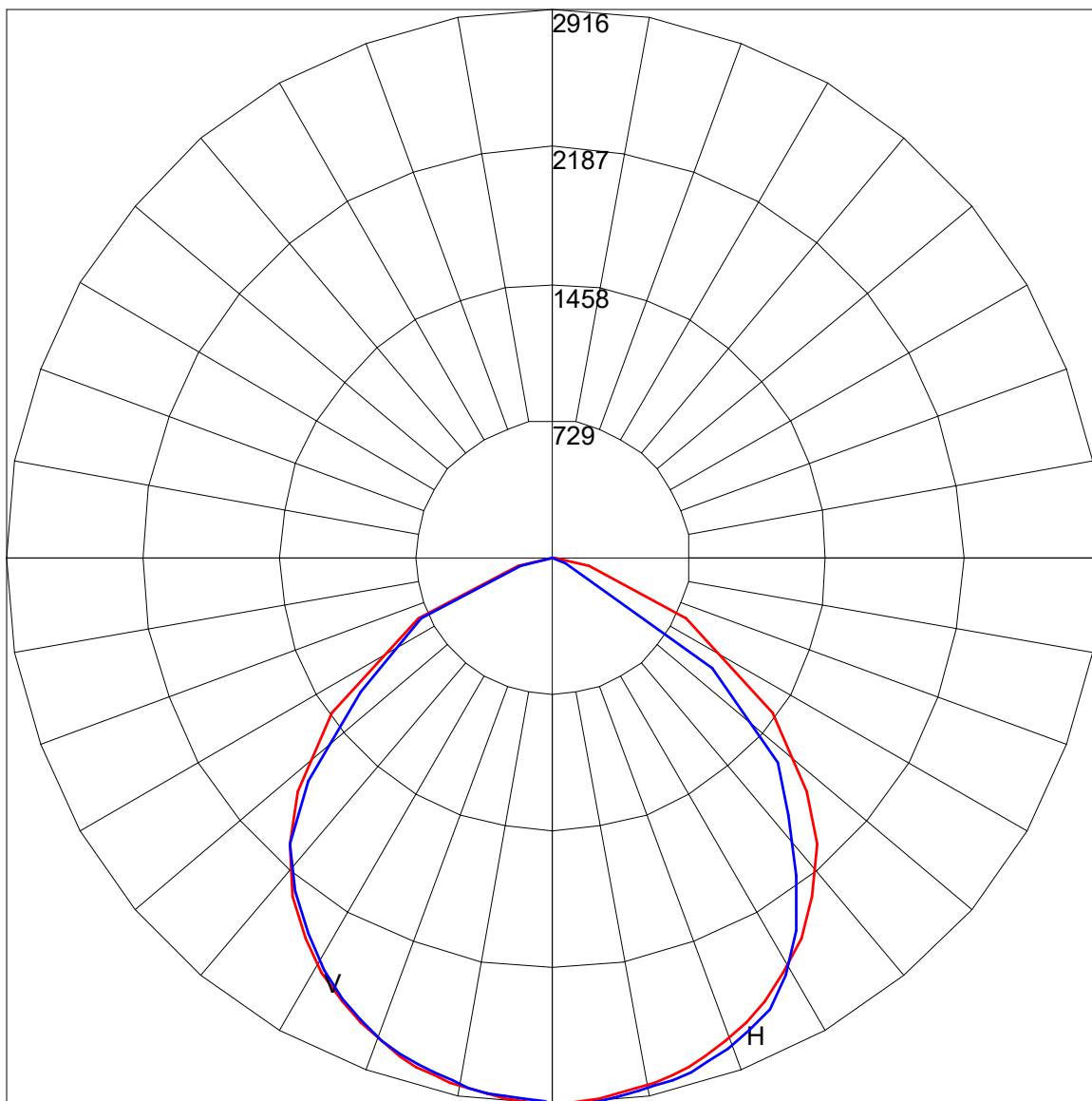
15	0.09	0.00	74.38
13	0.09	0.00	74.93
11	0.10	0.00	75.38
9	0.10	0.00	75.74
7	0.10	0.00	76.00
5	0.10	0.00	76.18
3	0.10	0.00	76.23
1	0.05	0.00	38.10
0	0.05	0.00	38.08
-1	0.11	0.00	76.08
-3	0.11	0.00	75.89
-5	0.11	0.00	75.59
-7	0.10	0.00	75.20
-9	0.10	0.00	74.71
-11	0.10	0.00	74.10
-13	0.10	0.00	73.39
-15	0.10	0.00	72.57
-17	0.12	0.00	89.38
-19.5	0.13	0.00	105.03
-22.5	0.13	0.00	102.27
-25.5	0.13	0.00	115.33
-29	0.14	0.00	125.78
-33	0.13	0.00	132.72
-37.5	0.12	0.00	134.61
-42.5	0.09	0.00	117.36
-47.5	0.09	0.00	137.68
-55	0.07	0.00	118.58
-65	0.03	0.00	51.90

IES FLOOD REPORT
PHOTOMETRIC FILENAME : TMFL-LED-07L-W-50.IES

LUMENS TABULATION - (Cont.)

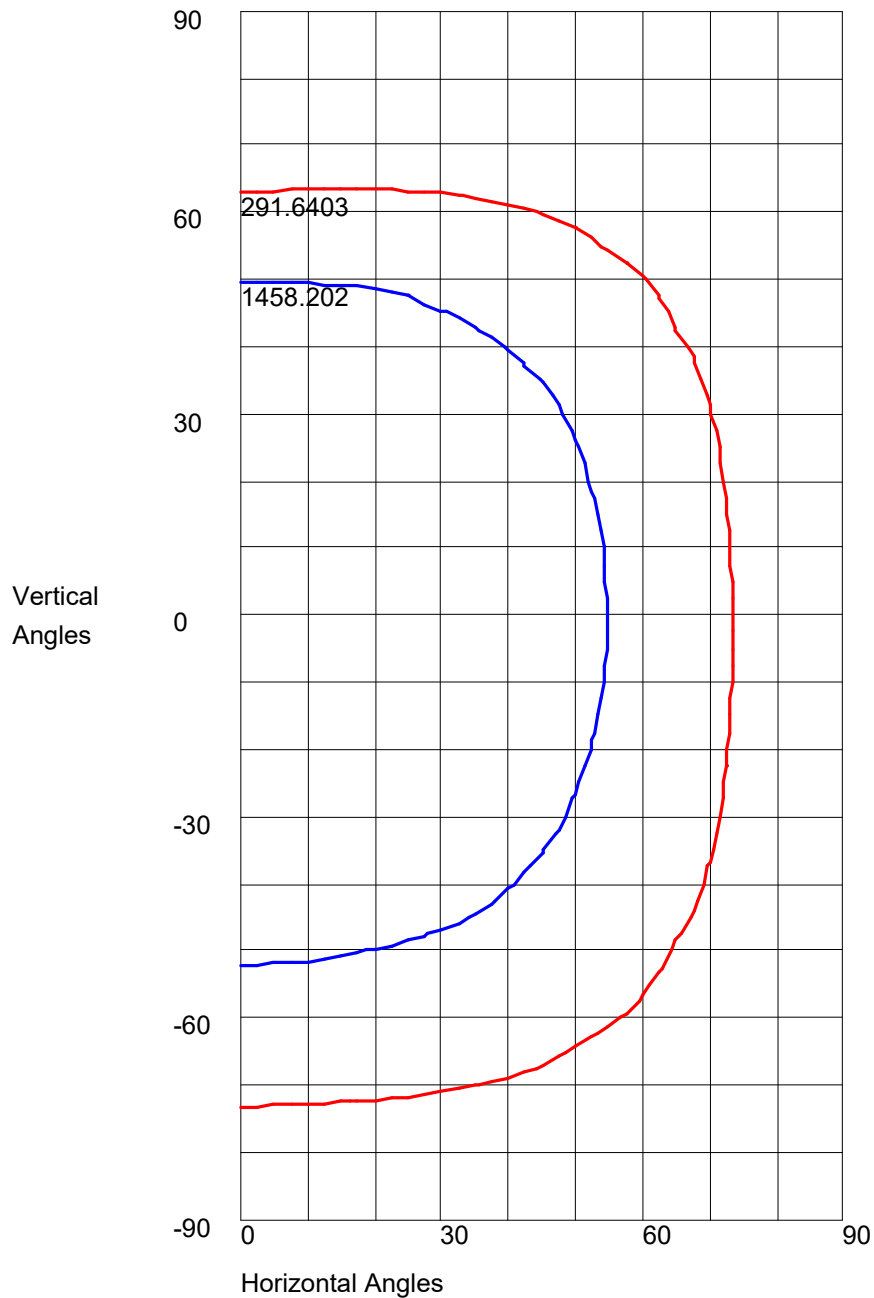
-75	0.01	0.00	9.98
-85	0.00	0.00	0.29
-90			
Total	3.70	0.01	3627.24

AXIAL CANDELA DISPLAY



Maximum Candela = 2916.403 Located At Horizontal Angle = 0, Vertical Angle = 3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 2916.403 Located At Horizontal Angle = 0, Vertical Angle = 3
50% Maximum Candela = 1458.2015
10% Maximum Candela = 291.6403