



IES ROAD REPORT
PHOTOMETRIC FILENAME : WLL-LED-11L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 1196846
[TESTLAB] UL Verification Services Inc.
[TESTDATE] 1/29/2016
[ISSUEDATE] 1/7/2019
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] WLL-LED-11L-30
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10730
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	88.93
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3911.641
Maximum Candela Angle	102.5H 2.5V
Maximum Candela (<90 Degrees Vertical)	3911.641
Maximum Candela Angle (<90 Degrees Vertical)	102.5H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	199.283 (1.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1543.2	N.A.	14.4
FM - Front-Medium (30-60)	2960.3	N.A.	27.6
FH - Front-High (60-80)	887.9	N.A.	8.3
FVH - Front-Very High (80-90)	25.3	N.A.	0.2
BL - Back-Low (0-30)	1539.2	N.A.	14.3
BM - Back-Medium (30-60)	2901.7	N.A.	27.0
BH - Back-High (60-80)	851.2	N.A.	7.9
BVH - Back-Very High (80-90)	20.9	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10729.7	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	60.0	62.5	65.0
0.0	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704
2.5	3897.986	3895.414	3898.679	3896.304	3896.106	3896.502	3900.559	3901.350	3903.527	3905.111
5.0	3892.742	3886.310	3889.180	3886.409	3886.805	3886.904	3891.159	3892.841	3894.721	3895.710
7.5	3880.769	3874.041	3875.921	3872.260	3871.567	3872.556	3876.415	3878.394	3880.373	3881.462
10.0	3865.234	3856.230	3857.417	3853.855	3851.678	3852.272	3855.933	3856.923	3859.792	3860.089
12.5	3842.674	3830.899	3831.394	3828.623	3826.842	3827.931	3830.008	3831.295	3833.373	3832.482
15.0	3811.109	3795.772	3794.585	3793.002	3791.814	3793.002	3794.585	3795.475	3796.762	3796.069
17.5	3768.165	3750.553	3748.178	3747.683	3746.298	3747.782	3748.870	3750.256	3751.740	3750.454
20.0	3719.483	3698.209	3694.548	3694.053	3692.470	3692.173	3695.735	3696.527	3698.407	3696.230
22.5	3663.577	3635.376	3633.298	3632.705	3630.330	3629.538	3633.793	3635.772	3638.147	3636.168
25.0	3597.776	3566.409	3565.716	3564.925	3561.165	3559.977	3564.133	3567.794	3570.565	3568.487
27.5	3522.872	3492.890	3493.088	3491.010	3485.766	3485.271	3488.437	3492.791	3496.353	3494.869
30.0	3441.536	3413.039	3413.039	3408.685	3403.342	3404.925	3406.211	3409.971	3413.335	3413.236
32.5	3353.768	3323.688	3321.907	3318.444	3313.991	3315.574	3316.366	3318.641	3321.016	3322.401
35.0	3258.382	3222.265	3220.187	3218.011	3213.756	3215.735	3217.021	3218.307	3220.187	3220.286
37.5	3146.669	3107.683	3107.683	3105.209	3101.845	3104.516	3104.121	3106.495	3107.386	3108.375
40.0	3023.378	2982.612	2986.174	2983.106	2982.216	2985.580	2984.294	2984.492	2985.382	2986.471
42.5	2887.027	2844.479	2852.890	2855.660	2858.233	2865.159	2861.696	2857.639	2860.509	2861.300
45.0	2737.614	2690.911	2701.300	2714.362	2728.412	2736.823	2732.964	2728.313	2729.600	2726.433
47.5	2579.593	2525.073	2536.551	2555.648	2583.650	2596.415	2593.248	2585.134	2583.057	2576.427
50.0	2404.652	2347.855	2362.005	2384.269	2417.416	2443.836	2437.998	2427.905	2422.463	2415.338
52.5	2215.759	2164.602	2176.773	2200.818	2239.507	2269.785	2265.233	2252.865	2245.345	2235.747
55.0	2035.474	1986.198	1993.025	2011.628	2044.874	2077.923	2076.241	2061.696	2058.035	2051.603
57.5	1871.219	1819.370	1819.568	1827.385	1841.832	1865.975	1874.584	1872.308	1873.297	1869.537
60.0	1704.491	1646.705	1650.069	1652.444	1645.023	1641.856	1671.937	1685.789	1689.253	1689.550
62.5	1521.634	1469.092	1472.654	1474.138	1453.458	1426.049	1469.982	1491.355	1500.459	1505.901
65.0	1338.578	1266.247	1291.083	1288.807	1254.472	1236.364	1264.664	1292.864	1307.014	1319.283
67.5	1051.231	1004.033	1018.776	1063.798	1060.928	1059.345	1067.459	1089.524	1106.840	1119.308
70.0	850.563	784.861	812.666	813.853	834.929	878.863	879.258	884.898	898.850	914.484
72.5	613.383	575.387	581.720	591.516	628.127	676.018	704.515	702.734	706.395	711.441
75.0	427.755	396.982	405.888	404.997	424.688	475.844	525.022	525.022	523.538	523.043
77.5	278.046	245.789	254.298	262.016	275.275	298.330	324.750	338.306	349.289	349.784
80.0	165.640	144.465	144.069	145.158	152.381	162.573	171.775	178.306	185.529	196.017
82.5	88.757	73.618	75.300	75.102	73.717	72.332	73.519	76.289	75.993	78.367
85.0	24.836	17.712	19.592	21.670	23.550	23.847	22.659	21.472	21.175	21.373
87.5	5.541	4.255	4.453	4.453	4.255	4.255	4.057	3.760	3.661	3.661
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704
2.5	3907.386	3908.673	3907.980	3910.553	3911.641	3910.058	3908.673	3907.287	3904.616	3900.955
5.0	3897.986	3899.965	3899.372	3901.449	3901.944	3900.757	3899.470	3897.195	3894.622	3891.752
7.5	3884.133	3886.607	3885.914	3887.300	3889.081	3886.607	3885.321	3883.936	3880.670	3877.801
10.0	3863.156	3865.531	3864.838	3865.828	3867.114	3865.036	3863.750	3862.464	3859.297	3856.725
12.5	3835.846	3837.825	3837.331	3837.628	3839.013	3835.945	3835.352	3833.571	3830.800	3828.326
15.0	3797.850	3800.324	3799.730	3799.532	3800.819	3798.246	3797.256	3794.684	3792.606	3791.122
17.5	3751.938	3753.818	3753.422	3753.620	3754.708	3751.938	3751.047	3748.475	3746.397	3744.616
20.0	3697.912	3699.594	3699.792	3699.198	3699.693	3698.011	3696.922	3694.350	3692.866	3691.381
22.5	3636.959	3638.741	3639.136	3637.157	3637.850	3636.465	3635.178	3632.507	3631.122	3629.538
25.0	3568.982	3570.763	3570.169	3568.289	3568.289	3567.003	3565.123	3562.649	3561.066	3560.373
27.5	3494.572	3496.452	3495.463	3493.286	3492.791	3491.010	3489.229	3486.854	3485.370	3485.073
30.0	3412.445	3415.116	3415.017	3412.445	3412.148	3409.278	3407.102	3405.815	3403.045	3403.539
32.5	3321.511	3325.667	3325.667	3323.886	3322.896	3320.324	3316.267	3315.475	3312.902	3313.298
35.0	3218.901	3225.135	3224.640	3224.937	3222.067	3218.901	3212.964	3212.272	3209.996	3210.787
37.5	3107.980	3112.729	3111.542	3111.245	3108.375	3104.121	3098.481	3096.600	3094.424	3095.512
40.0	2985.085	2989.340	2991.121	2990.132	2987.064	2981.721	2975.784	2973.310	2971.628	2972.816
42.5	2859.025	2861.300	2863.378	2860.113	2856.353	2851.504	2847.349	2840.818	2838.542	2840.224
45.0	2721.981	2723.069	2722.574	2719.210	2715.846	2712.383	2705.753	2698.035	2695.462	2696.848
47.5	2569.995	2569.797	2567.126	2563.762	2561.090	2558.319	2551.393	2543.180	2541.102	2541.795
50.0	2405.839	2401.782	2397.231	2391.492	2389.909	2388.029	2381.795	2369.921	2367.843	2368.833
52.5	2223.873	2219.618	2217.738	2211.009	2209.921	2210.218	2205.270	2193.199	2192.011	2193.891
55.0	2041.510	2039.630	2038.839	2031.318	2028.944	2032.803	2031.516	2020.731	2019.148	2019.346
57.5	1864.788	1863.699	1861.720	1856.476	1853.903	1857.466	1858.356	1846.878	1845.493	1845.196
60.0	1688.857	1689.648	1686.779	1681.832	1679.556	1680.545	1686.383	1674.806	1668.276	1666.791
62.5	1505.307	1513.916	1513.916	1507.088	1502.932	1502.042	1510.551	1502.734	1495.313	1495.115
65.0	1321.163	1330.267	1334.620	1324.726	1317.700	1315.919	1323.142	1318.987	1309.389	1310.081
67.5	1124.750	1134.447	1141.868	1136.327	1129.203	1129.994	1133.161	1132.666	1124.255	1123.959
70.0	925.863	936.451	945.158	945.950	943.080	939.518	937.242	937.242	932.889	930.118
72.5	721.633	734.397	747.657	749.042	750.328	745.876	743.699	740.532	738.949	733.606
75.0	520.272	525.022	536.203	538.380	539.765	539.864	536.599	530.464	530.761	528.188
77.5	342.066	343.253	348.596	353.049	357.007	362.152	358.194	349.388	351.367	350.279

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CANDELA TABULATION - (Cont.)

80.0	191.268	193.940	193.841	191.961	193.841	199.283	198.293	193.049	193.346	193.643
82.5	79.456	82.820	85.492	84.205	82.523	83.612	84.304	82.226	81.930	82.721
85.0	21.274	21.076	21.868	21.472	20.878	21.274	20.878	19.889	19.592	19.790
87.5	3.562	3.463	3.562	3.463	3.364	3.364	3.364	3.265	3.166	3.166
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>
0.0	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704
2.5	3905.209	3908.970	3909.365	3910.058	3911.641	3910.850	3908.673	3909.068	3907.980	3906.001
5.0	3896.205	3899.767	3899.470	3900.262	3901.252	3900.559	3898.085	3899.174	3897.393	3895.018
7.5	3882.550	3886.706	3886.013	3887.003	3886.904	3886.409	3884.133	3884.826	3882.748	3880.769
10.0	3861.474	3866.521	3864.937	3865.333	3865.927	3864.739	3862.464	3862.760	3860.782	3858.803
12.5	3833.274	3838.716	3837.628	3837.034	3837.726	3837.034	3834.659	3834.659	3833.175	3832.185
15.0	3795.772	3800.918	3799.928	3798.840	3799.730	3798.345	3796.960	3797.553	3796.168	3795.475
17.5	3749.563	3755.203	3753.620	3752.334	3753.422	3751.641	3750.652	3751.245	3750.157	3749.464
20.0	3696.032	3700.880	3700.089	3699.099	3698.802	3698.110	3696.428	3697.021	3695.339	3695.735
22.5	3633.397	3638.048	3637.553	3635.970	3636.366	3634.981	3634.981	3634.783	3633.496	3634.189
25.0	3564.727	3568.982	3567.300	3565.024	3566.211	3565.222	3565.617	3566.211	3564.727	3563.243

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLL-LED-11L-30.IES

CANDELA TABULATION - (Cont.)

27.5	3488.536	3492.395	3491.010	3489.130	3490.317	3489.922	3489.724	3491.208	3489.922	3487.844
30.0	3406.310	3409.872	3409.278	3407.893	3407.497	3408.784	3407.794	3408.289	3407.003	3405.617
32.5	3314.486	3318.246	3319.235	3319.433	3319.730	3319.928	3317.256	3316.069	3314.980	3314.090
35.0	3212.667	3216.724	3216.922	3217.021	3218.703	3218.703	3215.339	3212.667	3212.173	3210.886
37.5	3097.392	3100.064	3100.954	3101.746	3104.022	3104.022	3100.361	3096.106	3096.205	3095.710
40.0	2973.805	2974.992	2977.367	2978.753	2981.622	2980.830	2975.487	2972.024	2971.430	2972.420
42.5	2840.917	2841.214	2845.271	2848.041	2851.900	2851.900	2847.250	2843.984	2844.182	2844.776
45.0	2696.452	2698.530	2704.269	2708.623	2711.096	2711.492	2707.336	2704.170	2705.060	2707.732
47.5	2541.597	2545.258	2549.216	2551.393	2552.284	2554.361	2550.898	2550.107	2553.669	2558.715
50.0	2368.536	2372.889	2378.727	2380.706	2376.452	2380.706	2379.321	2382.389	2387.435	2395.747
52.5	2191.516	2194.782	2200.917	2204.479	2196.068	2198.839	2198.344	2201.016	2205.369	2216.649
55.0	2016.872	2021.621	2027.756	2026.470	2016.575	2021.523	2020.038	2020.038	2024.986	2028.152
57.5	1844.503	1849.451	1853.211	1846.185	1840.644	1846.581	1844.998	1844.404	1844.107	1837.478
60.0	1667.880	1676.488	1679.952	1670.255	1666.692	1670.749	1669.463	1667.979	1659.271	1647.397
62.5	1496.303	1505.109	1502.141	1494.720	1490.959	1495.313	1494.126	1481.757	1465.826	1452.172
65.0	1309.586	1318.492	1313.841	1310.477	1307.311	1314.732	1307.706	1290.786	1275.350	1265.158
67.5	1124.453	1129.698	1122.672	1123.068	1121.287	1124.552	1108.819	1088.733	1077.156	1068.152
70.0	932.196	934.868	929.623	930.514	930.217	924.478	904.688	889.945	883.810	872.431
72.5	737.564	736.574	734.101	740.235	732.814	721.534	708.869	698.182	691.948	690.167
75.0	530.266	526.209	527.100	530.761	518.788	512.455	504.639	498.504	504.441	508.893
77.5	347.409	343.451	350.377	347.013	339.493	336.228	332.468	330.489	332.171	333.952
80.0	189.982	189.685	189.784	185.925	182.956	184.935	184.144	182.363	180.779	175.040
82.5	80.445	80.643	78.862	78.169	77.873	79.258	76.487	71.837	71.045	68.077
85.0	18.899	18.701	18.701	18.800	18.899	18.108	17.712	16.228	16.821	16.623
87.5	3.067	3.067	3.166	3.166	3.067	3.067	3.067	2.870	2.870	2.968
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLL-LED-11L-30.IES

CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

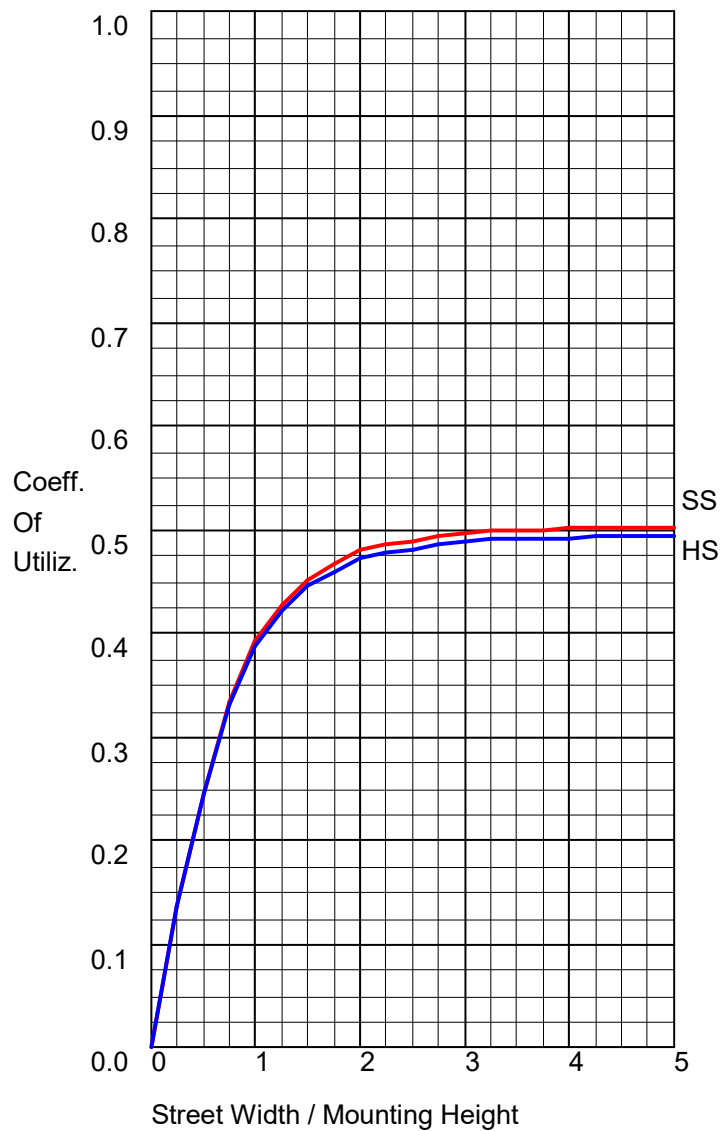
	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704	3905.704
2.5	3903.132	3902.439	3901.548	3897.491	3896.007	3897.887	3900.163	3896.106	3884.925
5.0	3892.841	3892.148	3890.961	3886.805	3885.816	3887.696	3890.862	3885.222	3870.973
7.5	3878.098	3876.613	3875.129	3871.864	3869.984	3872.655	3876.020	3870.676	3855.834
10.0	3855.636	3855.636	3853.558	3851.183	3849.501	3851.975	3855.042	3849.501	3831.691
12.5	3829.316	3827.634	3826.644	3824.665	3823.181	3824.467	3825.754	3819.025	3798.147
15.0	3792.111	3792.408	3790.528	3788.945	3787.065	3785.877	3784.294	3778.258	3754.412
17.5	3746.100	3746.397	3744.616	3742.439	3740.361	3739.371	3736.898	3730.565	3704.443
20.0	3691.876	3690.788	3688.908	3685.840	3684.158	3684.950	3682.278	3676.836	3645.469
22.5	3629.439	3627.757	3624.888	3620.732	3619.050	3621.425	3618.951	3612.618	3577.392
25.0	3558.889	3556.613	3553.447	3549.588	3548.202	3550.083	3548.598	3542.068	3504.764
27.5	3482.402	3479.235	3476.860	3472.507	3471.913	3474.288	3471.913	3465.481	3427.386
30.0	3400.175	3397.405	3393.546	3391.072	3389.489	3390.082	3388.598	3378.802	3338.728
32.5	3308.252	3305.679	3303.008	3300.534	3297.961	3293.805	3288.561	3275.104	3231.072
35.0	3205.048	3203.564	3201.585	3199.012	3193.174	3180.509	3169.823	3152.309	3105.605
37.5	3090.664	3089.278	3087.893	3083.836	3069.093	3049.006	3033.768	3012.692	2963.119
40.0	2968.561	2967.274	2966.483	2955.401	2930.960	2905.135	2887.423	2867.138	2815.685
42.5	2841.214	2840.323	2840.818	2819.346	2785.407	2757.800	2739.593	2717.429	2665.778
45.0	2706.347	2706.149	2706.545	2673.199	2634.510	2605.419	2586.124	2561.684	2508.647
47.5	2558.913	2558.517	2554.460	2515.870	2478.864	2446.705	2422.859	2402.376	2347.855
50.0	2397.825	2394.559	2384.763	2348.944	2312.135	2281.263	2256.328	2241.683	2186.767
52.5	2215.759	2210.515	2201.609	2170.539	2136.303	2110.675	2098.999	2090.391	2034.881
55.0	2020.533	2008.560	2002.228	1981.250	1957.701	1951.269	1945.431	1936.526	1878.443
57.5	1823.031	1807.991	1795.722	1777.416	1782.166	1791.269	1784.738	1775.932	1713.693
60.0	1628.696	1613.458	1594.559	1571.306	1606.828	1621.770	1612.468	1604.948	1542.017
62.5	1435.944	1422.784	1399.333	1385.579	1420.013	1440.693	1438.121	1431.095	1368.461
65.0	1248.337	1232.110	1211.330	1205.690	1221.918	1255.066	1207.174	1169.772	1096.055
67.5	1053.111	1038.665	1038.467	1026.890	1022.140	989.190	985.628	971.775	908.646
70.0	862.338	857.984	857.787	850.860	781.893	783.377	757.057	722.919	661.076
72.5	685.715	681.955	682.647	629.710	588.745	544.416	547.186	523.439	463.278
75.0	508.300	506.420	494.645	440.124	395.993	367.397	367.496	356.710	307.434
77.5	329.895	316.438	300.804	269.932	244.008	224.317	223.426	217.291	188.992
80.0	169.004	161.682	152.183	141.596	130.612	126.951	122.795	122.202	102.214
82.5	65.108	61.645	60.755	57.885	57.687	58.083	53.927	52.740	34.929
85.0	15.832	15.733	15.238	15.337	13.457	12.369	11.181	9.994	6.729
87.5	2.870	2.771	2.771	2.771	2.870	2.968	2.968	2.771	1.979
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLL-LED-11L-30.IES

CANDELA TABULATION - (Cont.)

115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

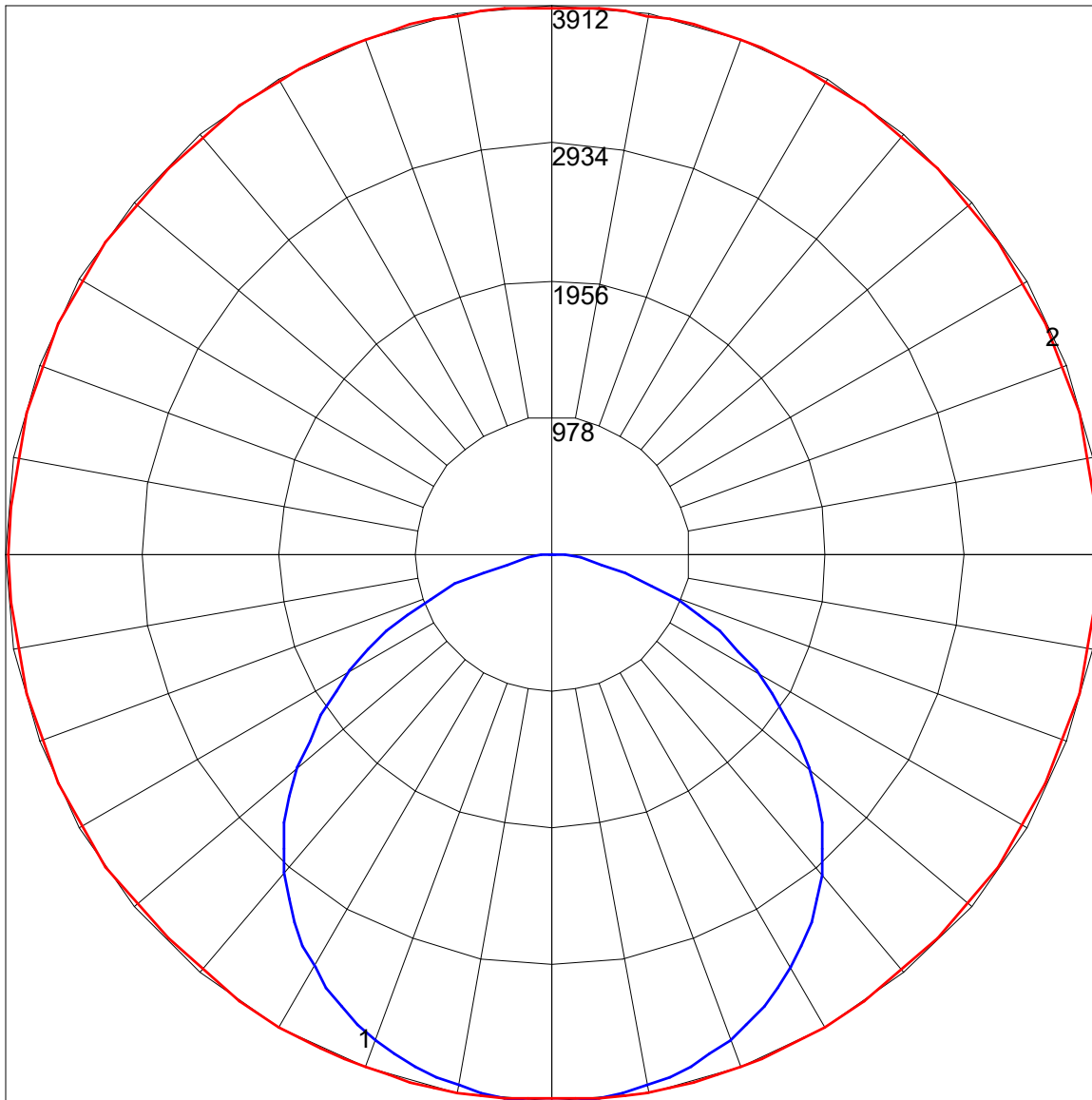
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

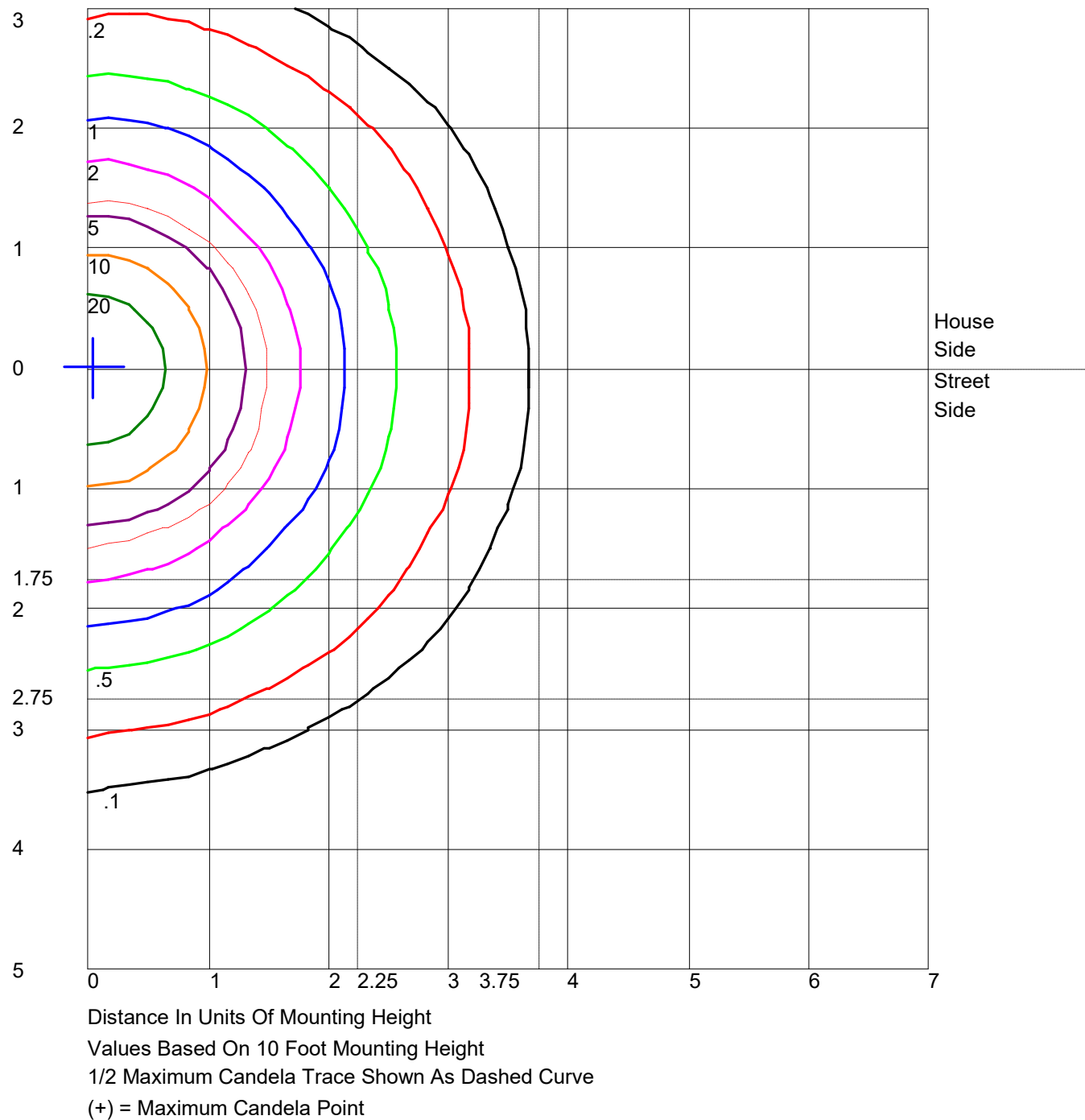
	Lumens	Percent Of Luminaire
Downward Street Side	5416.7	50.5
Downward House Side	5313.1	49.5
Downward Total	10729.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	10729.8	100.0

POLAR GRAPH

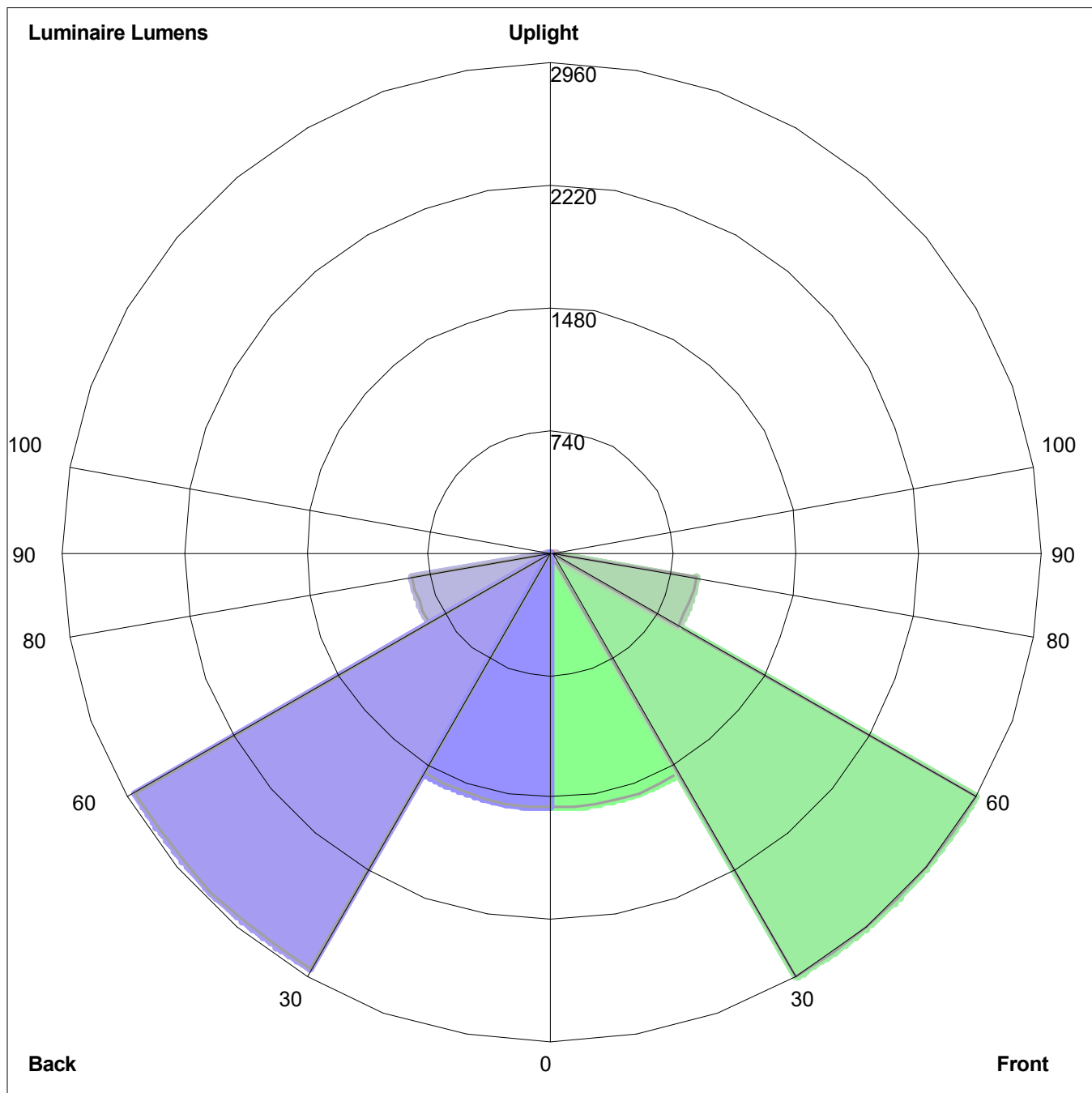


Maximum Candela = 3911.641 Located At Horizontal Angle = 102.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (102.5 - 282.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1543.2, Medium=2960.3, High=887.9, Very High=25.3
Back: Low=1539.2, Medium=2901.7, High=851.2, Very High=20.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1