



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-T3-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009419
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L85-730-T3-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] WITH TYPE III DISTRIBUTION AND
[MORE] MICRO-PRISMATIC GLASS LENS
[LAMPCAT] X4-LUXEON M
[LAMP] 8 WHITE LED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8335
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3514.361
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	3514.361
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	792.225 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-730-T3-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1194.3	N.A.	14.3
FM - Front-Medium (30-60)	3157.5	N.A.	37.9
FH - Front-High (60-80)	1302.2	N.A.	15.6
FVH - Front-Very High (80-90)	100.3	N.A.	1.2
BL - Back-Low (0-30)	755.5	N.A.	9.1
BM - Back-Medium (30-60)	1337.0	N.A.	16.0
BH - Back-High (60-80)	463.8	N.A.	5.6
BVH - Back-Very High (80-90)	25.0	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	8335.6	N.A.	100.0
BUG Rating	B2-U0-G2		

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CANDELA TABULATION

Vert. Angles Horizontal Angles

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>10.0</u>	<u>15.0</u>	<u>20.0</u>	<u>25.0</u>	<u>30.0</u>	<u>35.0</u>	<u>40.0</u>
0.0	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153
2.5	2363.687	2368.882	2363.687	2379.271	2376.674	2374.077	2368.882	2358.492	2353.297	2350.699
5.0	2462.390	2462.390	2462.390	2472.780	2470.182	2464.988	2457.195	2446.805	2436.415	2428.623
7.5	2503.949	2503.949	2503.949	2511.742	2506.547	2498.754	2490.962	2490.962	2490.962	2488.365
10.0	2589.666	2589.666	2587.068	2587.068	2576.678	2568.886	2561.093	2558.496	2550.704	2545.509
12.5	2696.161	2701.356	2693.564	2690.966	2680.577	2677.979	2667.589	2659.797	2646.810	2633.822
15.0	2794.865	2800.060	2792.267	2781.877	2771.488	2766.293	2758.500	2763.695	2758.500	2735.123
17.5	2877.983	2883.178	2875.386	2859.801	2839.021	2826.034	2823.437	2833.827	2831.229	2820.839
20.0	3039.026	3036.428	3020.844	3000.064	2976.687	2942.920	2916.945	2901.360	2885.776	2875.386
22.5	3210.458	3210.458	3192.276	3163.704	3129.937	3098.767	3067.598	3013.051	2968.894	2932.530
25.0	3342.928	3345.526	3324.746	3293.577	3257.212	3213.055	3176.691	3124.742	3080.585	3010.454
27.5	3454.619	3454.619	3436.437	3397.475	3348.123	3311.759	3265.005	3213.055	3158.509	3119.547
30.0	3514.361	3509.166	3488.386	3465.009	3415.657	3379.293	3324.746	3283.187	3244.225	3189.678
32.5	3485.788	3485.788	3470.204	3449.424	3431.242	3405.267	3368.903	3335.136	3301.369	3244.225
35.0	3394.877	3389.683	3374.098	3368.903	3366.305	3368.903	3358.513	3361.111	3329.941	3285.784
37.5	3249.420	3241.627	3228.640	3236.433	3244.225	3262.407	3298.772	3324.746	3335.136	3301.369
40.0	2992.271	2989.674	2997.466	3013.051	3052.013	3103.962	3189.678	3267.602	3316.954	3311.759
42.5	2670.187	2680.577	2685.771	2714.343	2800.060	2875.386	3026.038	3171.496	3257.212	3283.187
45.0	2322.127	2342.907	2361.089	2410.441	2498.754	2607.848	2802.657	3010.454	3158.509	3233.835
47.5	2026.017	2036.407	2057.187	2111.733	2202.644	2337.712	2550.704	2797.462	3000.064	3142.924
50.0	1781.856	1792.246	1797.441	1851.987	1950.691	2090.954	2314.335	2561.093	2800.060	3002.661
52.5	1545.487	1555.877	1561.072	1620.814	1716.920	1862.377	2088.356	2340.310	2589.666	2815.644
55.0	1340.288	1355.873	1361.068	1413.017	1509.123	1646.788	1880.560	2137.708	2371.479	2592.263
57.5	1161.064	1171.454	1176.648	1220.805	1309.119	1451.979	1664.971	1919.521	2142.903	2353.297
60.0	997.424	1000.021	1002.619	1044.178	1124.699	1259.767	1462.369	1693.543	1898.742	2090.954
62.5	838.979	838.979	846.771	888.331	953.267	1096.127	1270.157	1472.759	1657.178	1844.195
65.0	688.326	688.326	696.119	745.470	805.212	935.085	1088.335	1259.767	1420.809	1592.242
67.5	561.051	558.453	563.648	610.403	670.144	781.835	914.305	1072.750	1210.415	1355.873
70.0	449.360	446.763	454.555	490.920	537.674	638.975	755.860	880.538	1010.411	1132.492
72.5	355.852	353.254	358.449	389.619	433.775	511.699	607.805	722.093	823.394	922.098
75.0	275.331	272.733	275.331	301.305	335.072	397.411	480.530	563.648	646.767	727.288
77.5	202.602	200.004	202.602	223.381	246.758	296.110	361.047	420.788	483.127	553.259
80.0	140.263	137.665	140.263	153.250	171.432	205.199	251.953	296.110	340.267	389.619
82.5	85.716	85.716	85.716	96.106	106.496	127.275	155.847	187.017	212.992	244.161
85.0	44.157	41.559	41.559	46.754	54.547	64.936	80.521	93.508	109.093	124.678
87.5	12.987	12.987	12.987	15.585	15.585	18.182	23.377	28.572	33.767	38.962
90.0	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>45.0</u>	<u>50.0</u>	<u>55.0</u>	<u>60.0</u>	<u>65.0</u>	<u>70.0</u>	<u>75.0</u>	<u>80.0</u>	<u>85.0</u>	<u>90.0</u>
0.0	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153
2.5	2353.297	2345.504	2332.517	2324.725	2324.725	2322.127	2311.738	2306.543	2298.750	2290.958
5.0	2426.026	2413.038	2394.856	2379.271	2371.479	2366.284	2348.102	2335.115	2322.127	2306.543
7.5	2490.962	2483.170	2472.780	2454.598	2444.208	2433.818	2413.038	2392.259	2374.077	2348.102
10.0	2540.314	2540.314	2532.521	2524.729	2516.937	2503.949	2485.767	2462.390	2431.221	2400.051
12.5	2626.030	2620.835	2613.043	2602.653	2587.068	2574.081	2550.704	2524.729	2483.170	2444.208
15.0	2714.343	2701.356	2683.174	2662.394	2644.212	2628.627	2605.250	2576.678	2529.924	2480.572
17.5	2797.462	2776.682	2755.903	2724.733	2703.954	2685.771	2659.797	2628.627	2568.886	2509.144
20.0	2857.204	2836.424	2831.229	2807.852	2768.890	2735.123	2701.356	2662.394	2594.860	2527.327
22.5	2898.763	2888.373	2883.178	2854.606	2807.852	2774.085	2742.916	2698.759	2639.017	2553.301
25.0	2958.505	2922.140	2911.750	2896.166	2857.204	2815.644	2779.280	2729.928	2670.187	2584.471
27.5	3052.013	2968.894	2950.712	2924.738	2893.568	2841.619	2802.657	2753.305	2683.174	2589.666

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CANDELA TABULATION - (Cont.)

30.0	3129.937	3049.416	2987.077	2955.907	2929.932	2888.373	2828.632	2776.682	2696.161	2589.666
32.5	3189.678	3116.949	3046.818	2987.077	2961.102	2919.543	2867.594	2805.255	2709.149	2597.458
35.0	3226.043	3163.704	3085.780	3033.831	3005.259	2966.297	2896.166	2820.839	2729.928	2610.445
37.5	3249.420	3181.886	3124.742	3067.598	3036.428	3002.661	2940.322	2854.606	2750.708	2613.043
40.0	3259.810	3197.471	3140.327	3096.170	3067.598	3031.233	2966.297	2862.399	2745.513	2602.653
42.5	3262.407	3197.471	3132.534	3103.962	3057.208	3036.428	2989.674	2888.373	2766.293	2613.043
45.0	3236.433	3179.288	3116.949	3077.988	3065.000	3052.013	3013.051	2914.348	2784.475	2613.043
47.5	3179.288	3140.327	3072.793	3046.818	3057.208	3054.610	3018.246	2927.335	2787.072	2607.848
50.0	3083.183	3070.195	3020.844	3018.246	3031.233	3046.818	3039.026	2953.310	2797.462	2607.848
52.5	2945.517	2974.089	2971.492	2974.089	3002.661	3023.441	3031.233	2948.115	2789.670	2587.068
55.0	2753.305	2841.619	2898.763	2932.530	2955.907	2992.271	3002.661	2937.725	2787.072	2563.691
57.5	2527.327	2677.979	2774.085	2828.632	2870.191	2909.153	2929.932	2870.191	2724.733	2503.949
60.0	2280.568	2472.780	2600.055	2680.577	2740.318	2797.462	2823.437	2768.890	2628.627	2423.428
62.5	2033.810	2246.801	2405.246	2514.339	2607.848	2664.992	2701.356	2657.199	2524.729	2319.530
65.0	1779.259	2005.237	2174.072	2309.140	2431.221	2496.157	2561.093	2527.327	2405.246	2189.657
67.5	1540.293	1742.894	1927.314	2070.174	2218.229	2298.750	2361.089	2348.102	2228.619	2036.407
70.0	1298.729	1470.161	1646.788	1807.831	1963.678	2046.797	2119.526	2098.746	1994.848	1818.221
72.5	1059.763	1207.818	1374.055	1532.500	1675.360	1758.479	1818.221	1784.454	1690.945	1548.085
75.0	836.381	961.059	1122.102	1246.780	1368.860	1433.797	1477.954	1441.589	1355.873	1238.987
77.5	631.182	729.886	862.356	963.657	1059.763	1093.530	1127.297	1085.737	1015.606	927.292
80.0	446.763	516.894	618.195	688.326	758.458	771.445	792.225	761.055	709.106	651.962
82.5	280.525	335.072	397.411	441.568	485.725	516.894	509.102	483.127	462.348	418.191
85.0	142.860	174.030	205.199	228.576	254.551	272.733	267.538	251.953	249.356	223.381
87.5	44.157	54.547	67.534	72.729	83.119	93.508	90.911	83.119	85.716	77.924
90.0	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>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>110.0</u>	<u>115.0</u>	<u>120.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>	<u>140.0</u>
0.0	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153
2.5	2283.165	2275.373	2270.178	2259.788	2251.996	2246.801	2246.801	2244.204	2239.009	2236.411
5.0	2290.958	2275.373	2259.788	2239.009	2223.424	2210.437	2202.644	2197.449	2184.462	2174.072
7.5	2324.725	2298.750	2270.178	2246.801	2220.826	2202.644	2187.060	2163.682	2142.903	2124.721
10.0	2368.882	2332.517	2296.153	2264.983	2228.619	2197.449	2168.877	2132.513	2101.343	2067.576
12.5	2402.649	2361.089	2322.127	2277.971	2236.411	2194.852	2150.695	2096.149	2049.394	2002.640
15.0	2426.026	2374.077	2319.530	2275.373	2228.619	2174.072	2111.733	2049.394	1994.848	1932.509
17.5	2444.208	2381.869	2319.530	2254.593	2192.254	2127.318	2054.589	1987.055	1914.326	1836.403
20.0	2449.403	2387.064	2319.530	2239.009	2163.682	2085.759	1994.848	1896.144	1802.636	1698.737
22.5	2462.390	2387.064	2309.140	2218.229	2127.318	2028.615	1914.326	1789.648	1659.776	1532.500
25.0	2485.767	2397.454	2298.750	2197.449	2083.161	1958.483	1813.026	1659.776	1509.123	1363.665
27.5	2490.962	2392.259	2277.971	2163.682	2033.810	1875.365	1701.335	1527.305	1366.263	1218.208
30.0	2480.572	2379.271	2251.996	2111.733	1966.276	1784.454	1587.047	1392.237	1231.195	1103.920
32.5	2483.170	2358.492	2228.619	2077.966	1893.547	1680.555	1464.966	1270.157	1124.699	1025.996
35.0	2475.377	2340.310	2197.449	2020.822	1815.623	1579.254	1348.081	1161.064	1033.788	961.059
37.5	2470.182	2327.322	2158.488	1958.483	1722.115	1470.161	1228.598	1054.568	958.462	909.110
40.0	2454.598	2298.750	2111.733	1890.949	1636.398	1353.276	1116.907	953.267	877.941	851.966
42.5	2452.000	2272.776	2072.771	1815.623	1535.098	1238.987	1007.814	864.953	807.809	797.420
45.0	2433.818	2246.801	2020.822	1735.102	1426.004	1116.907	906.513	781.835	737.678	742.873
47.5	2402.649	2205.242	1963.678	1662.373	1329.898	1015.606	810.407	706.509	675.339	688.326
50.0	2392.259	2179.267	1914.326	1592.242	1238.987	927.292	732.483	641.572	615.598	631.182
52.5	2363.687	2137.708	1857.182	1524.708	1161.064	849.369	662.352	571.441	548.064	571.441
55.0	2332.517	2085.759	1797.441	1451.979	1090.932	784.432	600.013	514.297	496.114	509.102
57.5	2262.386	2010.432	1722.115	1368.860	1010.411	716.898	542.869	462.348	441.568	441.568
60.0	2179.267	1916.924	1620.814	1275.352	927.292	651.962	488.322	415.593	387.021	379.229
62.5	2077.966	1815.623	1519.513	1179.246	844.174	592.220	441.568	368.839	337.670	327.280
65.0	1968.873	1701.335	1407.822	1077.945	766.250	537.674	392.216	324.682	293.513	280.525

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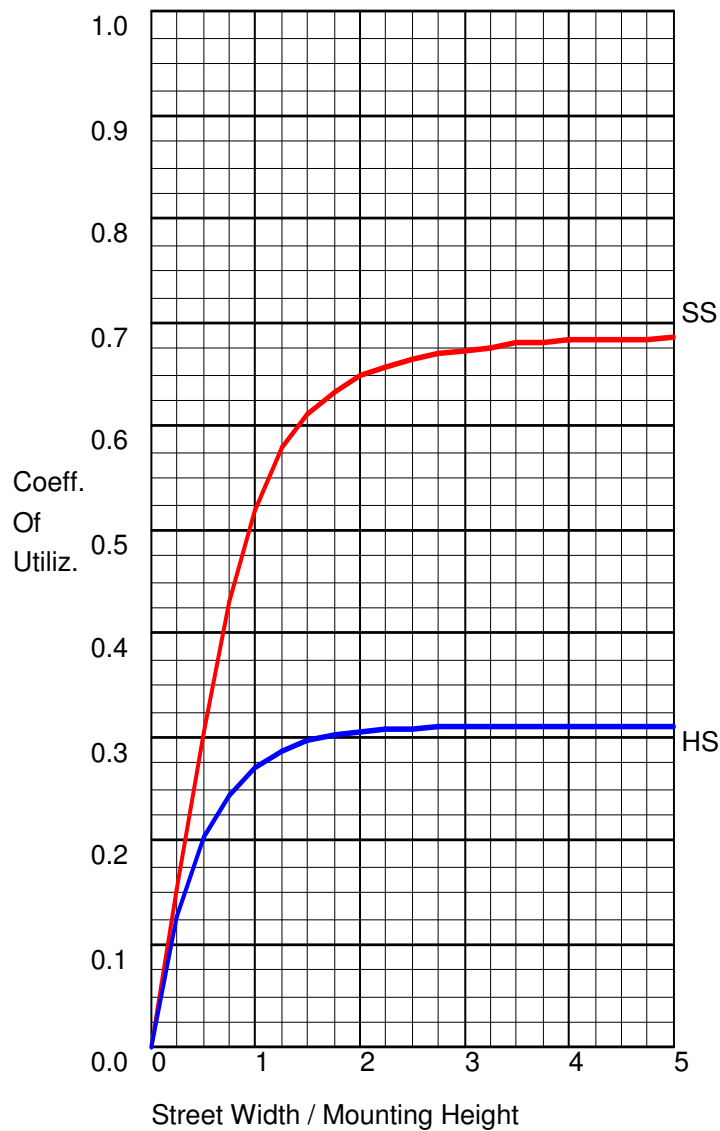
CANDELA TABULATION - (Cont.)

67.5	1813.026	1563.670	1283.144	976.644	683.131	475.335	342.864	280.525	249.356	231.174
70.0	1615.619	1389.640	1140.284	854.564	594.818	407.801	290.915	233.771	197.407	166.237
72.5	1371.458	1181.843	968.852	724.691	498.712	335.072	228.576	174.030	132.470	90.911
75.0	1101.322	948.072	781.835	584.428	394.814	244.161	140.263	101.301	46.754	18.182
77.5	820.797	727.288	600.013	441.568	272.733	109.093	54.547	18.182	5.195	2.597
80.0	579.233	516.894	425.983	275.331	59.742	20.780	7.792	2.597	2.597	0.000
82.5	374.034	332.475	272.733	116.886	18.182	5.195	2.597	2.597	0.000	0.000
85.0	200.004	179.225	132.470	25.975	5.195	2.597	2.597	2.597	0.000	0.000
87.5	75.326	62.339	18.182	2.597	2.597	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>145.0</u>	<u>150.0</u>	<u>155.0</u>	<u>160.0</u>	<u>165.0</u>	<u>170.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153	2296.153
2.5	2233.814	2236.411	2231.216	2233.814	2239.009	2233.814	2226.021	2218.229
5.0	2168.877	2163.682	2153.293	2155.890	2161.085	2153.293	2150.695	2142.903
7.5	2109.136	2096.149	2075.369	2070.174	2070.174	2067.576	2062.382	2064.979
10.0	2039.004	2018.225	1989.653	1963.678	1953.288	1945.496	1937.704	1942.898
12.5	1961.081	1927.314	1883.157	1849.390	1828.610	1805.233	1807.831	1813.026
15.0	1862.377	1805.233	1748.089	1690.945	1662.373	1631.204	1633.801	1638.996
17.5	1740.297	1654.581	1581.852	1506.526	1459.771	1415.615	1410.420	1415.615
20.0	1584.449	1477.954	1379.250	1303.924	1249.377	1202.623	1187.038	1187.038
22.5	1397.432	1293.534	1207.818	1129.894	1085.737	1054.568	1033.788	1028.593
25.0	1226.000	1140.284	1070.153	1020.801	989.631	974.047	963.657	961.059
27.5	1106.517	1044.178	997.424	966.254	948.072	942.877	942.877	940.280
30.0	1031.191	987.034	958.462	942.877	945.475	948.072	955.865	950.670
32.5	974.047	953.267	945.475	953.267	968.852	979.242	989.631	989.631
35.0	927.292	929.890	940.280	961.059	979.242	1000.021	1018.203	1020.801
37.5	896.123	909.110	929.890	953.267	974.047	994.826	1013.009	1015.606
40.0	859.759	877.941	906.513	935.085	961.059	987.034	1007.814	1007.814
42.5	813.004	841.576	885.733	922.098	955.865	981.839	1000.021	1005.216
45.0	774.042	813.004	859.759	888.331	919.500	948.072	966.254	974.047
47.5	729.886	766.250	802.614	833.784	851.966	877.941	885.733	890.928
50.0	675.339	701.314	724.691	745.470	750.665	771.445	774.042	774.042
52.5	600.013	620.792	636.377	641.572	644.170	651.962	654.559	649.364
55.0	524.686	537.674	542.869	542.869	540.271	548.064	553.259	542.869
57.5	444.165	449.360	454.555	454.555	457.153	459.750	462.348	459.750
60.0	381.826	379.229	387.021	387.021	389.619	392.216	389.619	389.619
62.5	324.682	324.682	324.682	322.085	316.890	316.890	316.890	316.890
65.0	275.331	267.538	251.953	238.966	236.369	225.979	225.979	225.979
67.5	212.992	192.212	166.237	142.860	114.288	67.534	54.547	51.949
70.0	135.068	96.106	46.754	28.572	20.780	12.987	12.987	12.987
72.5	41.559	18.182	10.390	7.792	5.195	5.195	5.195	5.195
75.0	7.792	5.195	2.597	2.597	2.597	2.597	2.597	2.597
77.5	2.597	2.597	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	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
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

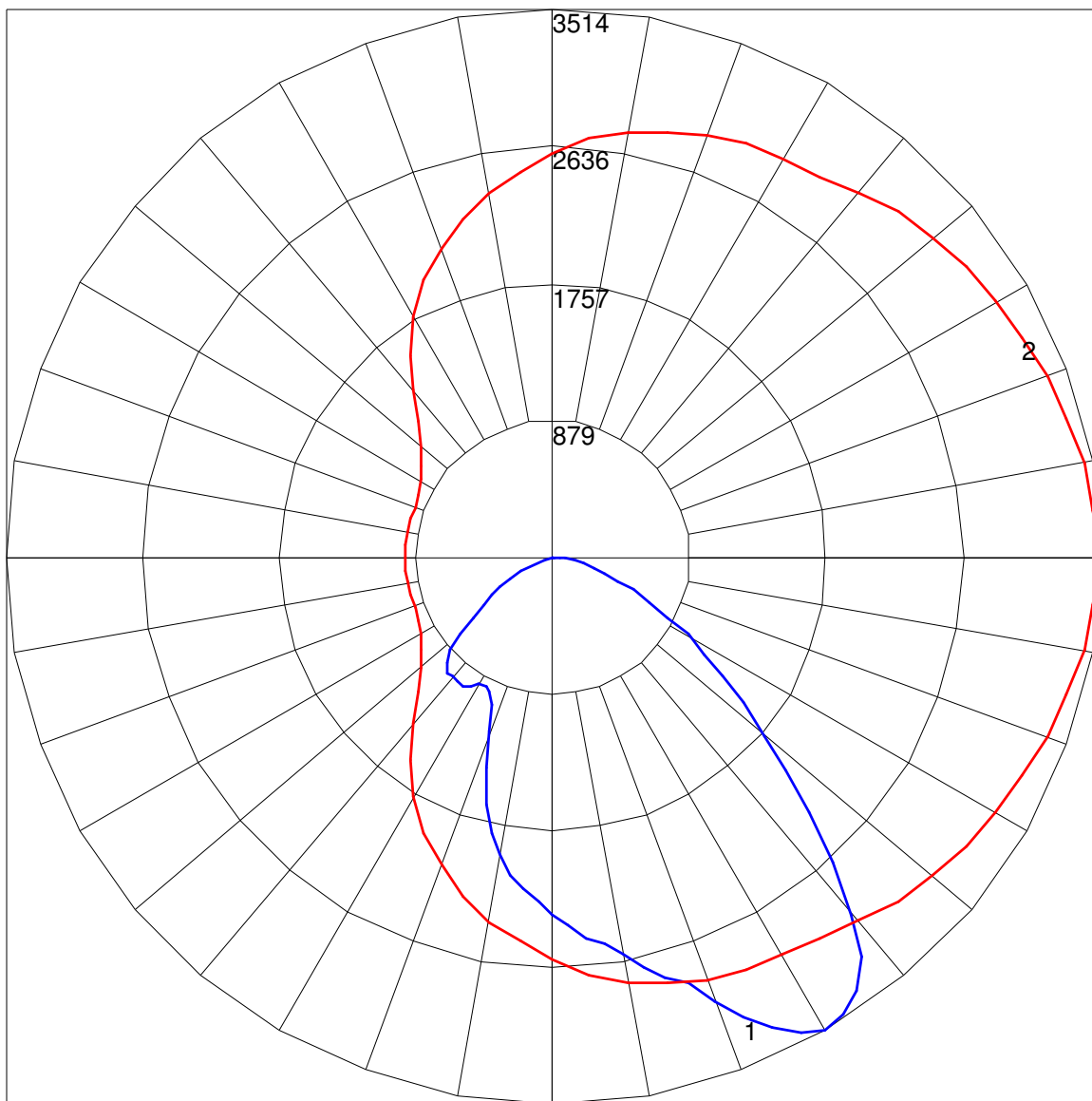
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

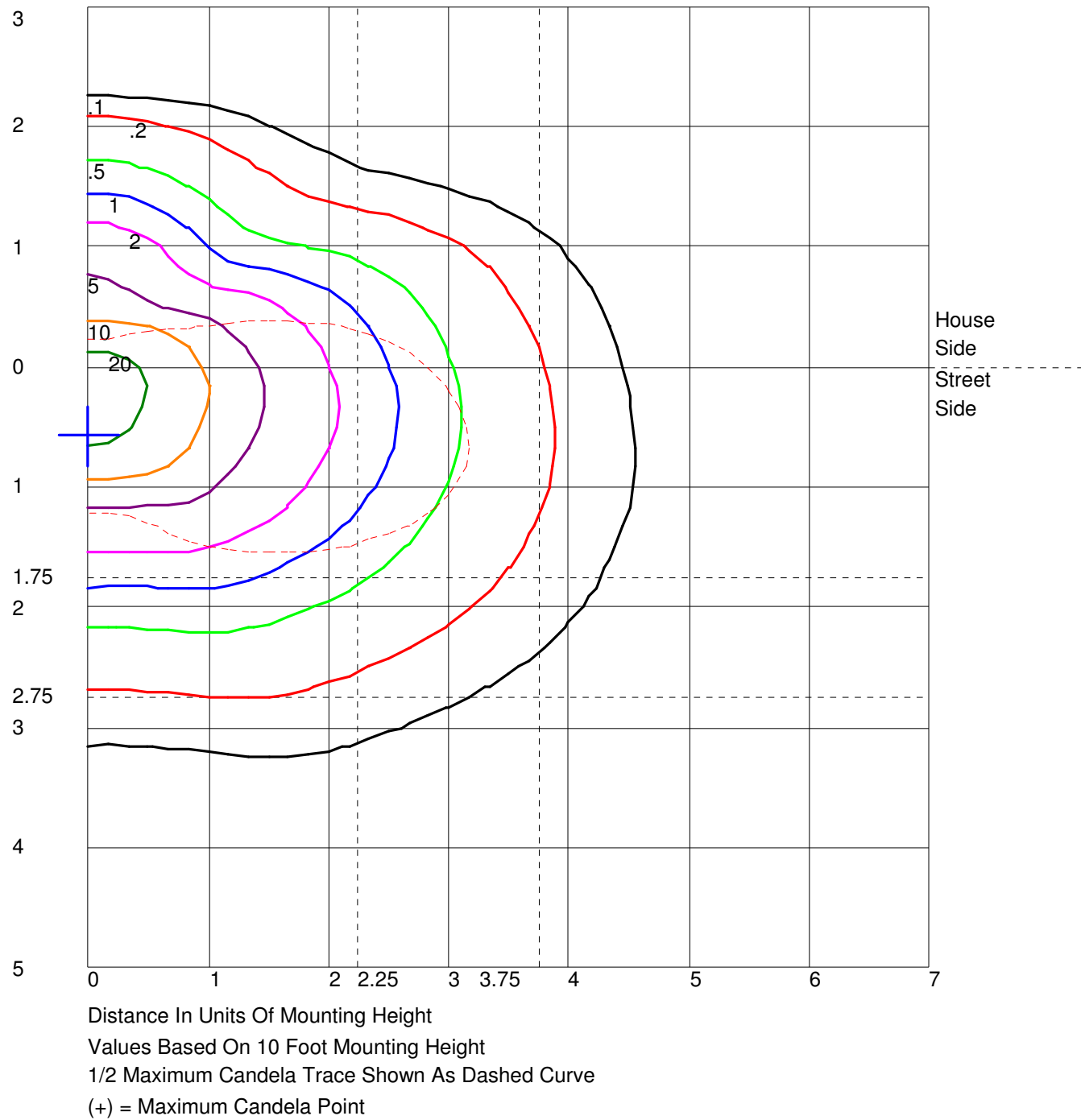
	Lumens	Percent Of Luminaire
Downward Street Side	5754.3	69.0
Downward House Side	2581.2	31.0
Downward Total	8335.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8335.5	100.0

POLAR GRAPH

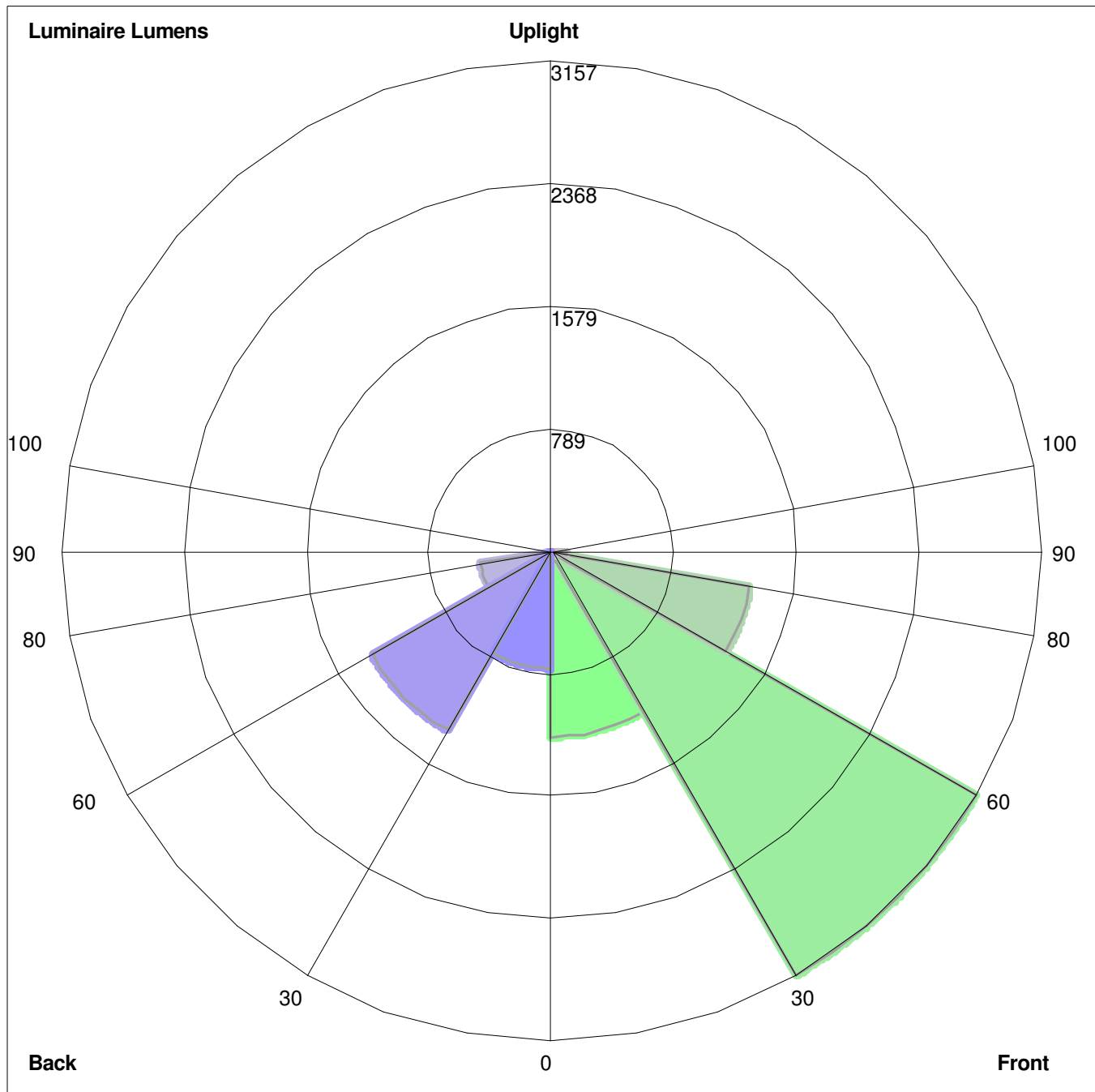


Maximum Candela = 3514.361 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1194.3, Medium=3157.5, High=1302.2, Very High=100.3
Back: Low=755.5, Medium= 1337.0, High=463.8, Very High=25.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2