



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-740-T3-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009419
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L85-740-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	8774
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3699.326
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	3699.326
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	833.921 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-740-T3-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1257.1	N.A.	14.3
FM - Front-Medium (30-60)	3323.7	N.A.	37.9
FH - Front-High (60-80)	1370.7	N.A.	15.6
FVH - Front-Very High (80-90)	105.6	N.A.	1.2
BL - Back-Low (0-30)	795.2	N.A.	9.1
BM - Back-Medium (30-60)	1407.4	N.A.	16.0
BH - Back-High (60-80)	488.2	N.A.	5.6
BVH - Back-Very High (80-90)	26.3	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	8774.2	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	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003
2.5	2488.091	2493.559	2488.091	2504.496	2501.762	2499.028	2493.559	2482.623	2477.154	2474.420
5.0	2591.989	2591.989	2591.989	2602.926	2600.192	2594.723	2586.521	2575.584	2564.648	2556.445
7.5	2635.736	2635.736	2635.736	2643.938	2638.470	2630.268	2622.065	2622.065	2622.065	2619.331
10.0	2725.963	2725.963	2723.229	2723.229	2712.293	2704.090	2695.888	2693.153	2684.951	2679.483
12.5	2838.064	2843.533	2835.330	2832.596	2821.659	2818.925	2807.988	2799.786	2786.115	2772.444
15.0	2941.963	2947.431	2939.228	2928.292	2917.355	2911.887	2903.684	2909.153	2903.684	2879.077
17.5	3029.456	3034.924	3026.722	3010.317	2988.443	2974.773	2972.038	2982.975	2980.241	2969.304
20.0	3198.974	3196.240	3179.835	3157.962	3133.354	3097.810	3070.468	3054.063	3037.658	3026.722
22.5	3379.429	3379.429	3360.290	3330.214	3294.670	3261.860	3229.050	3171.632	3125.152	3086.873
25.0	3518.872	3521.606	3499.732	3466.922	3428.644	3382.163	3343.885	3289.202	3242.721	3168.898
27.5	3636.441	3636.441	3617.301	3576.289	3524.340	3486.062	3436.847	3382.163	3324.746	3283.733
30.0	3699.326	3693.858	3671.985	3647.377	3595.428	3557.150	3499.732	3455.986	3414.973	3357.556
32.5	3669.251	3669.251	3652.846	3630.972	3611.833	3584.492	3546.213	3510.669	3475.125	3414.973
35.0	3573.555	3568.087	3551.682	3546.213	3543.479	3546.213	3535.277	3538.011	3505.201	3458.720
37.5	3420.442	3412.239	3398.568	3406.771	3414.973	3434.112	3472.391	3499.732	3510.669	3475.125
40.0	3149.759	3147.025	3155.227	3171.632	3212.645	3267.328	3357.556	3439.581	3491.530	3486.062
42.5	2810.723	2821.659	2827.128	2857.203	2947.431	3026.722	3185.303	3338.417	3428.644	3455.986
45.0	2444.344	2466.218	2485.357	2537.306	2630.268	2745.103	2950.165	3168.898	3324.746	3404.037
47.5	2132.649	2143.586	2165.459	2222.877	2318.573	2460.749	2684.951	2944.697	3157.962	3308.341
50.0	1875.638	1886.574	1892.043	1949.460	2053.359	2201.004	2436.142	2695.888	2947.431	3160.696
52.5	1626.829	1637.765	1643.234	1706.120	1807.284	1960.397	2198.269	2463.483	2725.963	2963.836
55.0	1410.830	1427.235	1432.703	1487.386	1588.550	1733.461	1979.536	2250.219	2496.293	2728.698
57.5	1222.172	1233.109	1238.577	1285.058	1378.020	1528.399	1752.600	2020.549	2255.687	2477.154
60.0	1049.920	1052.654	1055.388	1099.135	1183.894	1326.070	1539.335	1782.676	1998.675	2201.004
62.5	883.136	883.136	891.338	935.085	1003.439	1153.818	1337.007	1550.272	1744.398	1941.258
65.0	724.554	724.554	732.756	784.706	847.591	984.300	1145.616	1326.070	1495.589	1676.044
67.5	590.580	587.846	593.314	642.529	705.415	822.984	962.426	1129.211	1274.121	1427.235
70.0	473.011	470.277	478.479	516.757	565.972	672.605	795.642	926.882	1063.591	1192.096
72.5	374.581	371.847	377.315	410.125	456.606	538.631	639.795	760.098	866.731	970.629
75.0	289.822	287.087	289.822	317.163	352.707	418.327	505.821	593.314	680.807	765.566
77.5	213.265	210.531	213.265	235.138	259.746	311.695	380.049	442.935	508.555	582.377
80.0	147.645	144.911	147.645	161.316	180.455	215.999	265.214	311.695	358.176	410.125
82.5	90.227	90.227	90.227	101.164	112.101	133.974	164.050	196.860	224.202	257.012
85.0	46.481	43.747	43.747	49.215	57.417	68.354	84.759	98.430	114.835	131.240
87.5	13.671	13.671	13.671	16.405	16.405	19.139	24.607	30.076	35.544	41.012
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	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003
2.5	2477.154	2468.952	2455.281	2447.078	2447.078	2444.344	2433.408	2427.939	2419.737	2411.534
5.0	2553.711	2540.040	2520.901	2504.496	2496.293	2490.825	2471.686	2458.015	2444.344	2427.939
7.5	2622.065	2613.863	2602.926	2583.787	2572.850	2561.913	2540.040	2518.167	2499.028	2471.686
10.0	2674.014	2674.014	2665.812	2657.609	2649.407	2635.736	2616.597	2591.989	2559.179	2526.369
12.5	2764.242	2758.773	2750.571	2739.634	2723.229	2709.558	2684.951	2657.609	2613.863	2572.850
15.0	2857.203	2843.533	2824.393	2802.520	2783.381	2766.976	2742.368	2712.293	2663.078	2611.128
17.5	2944.697	2922.823	2900.950	2868.140	2846.267	2827.128	2799.786	2766.976	2704.090	2641.204
20.0	3007.582	2985.709	2980.241	2955.633	2914.621	2879.077	2843.533	2802.520	2731.432	2660.343
22.5	3051.329	3040.392	3034.924	3004.848	2955.633	2920.089	2887.279	2840.798	2777.913	2687.685
25.0	3114.215	3075.937	3065.000	3048.595	3007.582	2963.836	2925.558	2873.608	2810.723	2720.495
27.5	3212.645	3125.152	3106.012	3078.671	3045.861	2991.178	2950.165	2898.216	2824.393	2725.963

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CANDELA TABULATION - (Cont.)

30.0	3294.670	3209.911	3144.291	3111.481	3084.139	3040.392	2977.507	2922.823	2838.064	2725.963
32.5	3357.556	3280.999	3207.177	3144.291	3116.949	3073.202	3018.519	2952.899	2851.735	2734.166
35.0	3395.834	3330.214	3248.189	3193.506	3163.430	3122.417	3048.595	2969.304	2873.608	2747.837
37.5	3420.442	3349.353	3289.202	3229.050	3196.240	3160.696	3095.076	3004.848	2895.482	2750.571
40.0	3431.378	3365.758	3305.607	3259.126	3229.050	3190.772	3122.417	3013.051	2890.013	2739.634
42.5	3434.112	3365.758	3297.404	3267.328	3218.113	3196.240	3147.025	3040.392	2911.887	2750.571
45.0	3406.771	3346.619	3280.999	3239.987	3226.316	3212.645	3171.632	3067.734	2931.026	2750.571
47.5	3346.619	3305.607	3234.518	3207.177	3218.113	3215.379	3177.101	3081.405	2933.760	2745.103
50.0	3245.455	3231.784	3179.835	3177.101	3190.772	3207.177	3198.974	3108.747	2944.697	2745.103
52.5	3100.544	3130.620	3127.886	3130.620	3160.696	3182.569	3190.772	3103.278	2936.494	2723.229
55.0	2898.216	2991.178	3051.329	3086.873	3111.481	3149.759	3160.696	3092.342	2933.760	2698.622
57.5	2660.343	2818.925	2920.089	2977.507	3021.253	3062.266	3084.139	3021.253	2868.140	2635.736
60.0	2400.598	2602.926	2736.900	2821.659	2884.545	2944.697	2972.038	2914.621	2766.976	2550.977
62.5	2140.852	2365.054	2531.838	2646.673	2745.103	2805.254	2843.533	2797.052	2657.609	2441.610
65.0	1872.904	2110.776	2288.497	2430.673	2559.179	2627.533	2695.888	2660.343	2531.838	2304.902
67.5	1621.360	1834.625	2028.751	2179.130	2334.978	2419.737	2485.357	2471.686	2345.914	2143.586
70.0	1367.083	1547.538	1733.461	1902.979	2067.029	2154.523	2231.079	2209.206	2099.839	1913.916
72.5	1115.540	1271.387	1446.374	1613.158	1763.537	1851.030	1913.916	1878.372	1779.942	1629.563
75.0	880.401	1011.641	1181.160	1312.400	1440.905	1509.260	1555.740	1517.462	1427.235	1304.197
77.5	664.402	768.301	907.743	1014.376	1115.540	1151.084	1186.628	1142.881	1069.059	976.097
80.0	470.277	544.099	650.731	724.554	798.376	812.047	833.921	801.111	746.427	686.276
82.5	295.290	352.707	418.327	464.808	511.289	544.099	535.897	508.555	486.682	440.201
85.0	150.379	183.189	215.999	240.607	267.948	287.087	281.619	265.214	262.480	235.138
87.5	46.481	57.417	71.088	76.557	87.493	98.430	95.696	87.493	90.227	82.025
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	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003
2.5	2403.332	2395.129	2389.661	2378.724	2370.522	2365.054	2365.054	2362.319	2356.851	2354.117
5.0	2411.534	2395.129	2378.724	2356.851	2340.446	2326.775	2318.573	2313.104	2299.434	2288.497
7.5	2447.078	2419.737	2389.661	2365.054	2337.712	2318.573	2302.168	2277.560	2255.687	2236.548
10.0	2493.559	2455.281	2417.003	2384.193	2345.914	2313.104	2283.029	2244.750	2211.940	2176.396
12.5	2529.103	2485.357	2444.344	2397.864	2354.117	2310.370	2263.889	2206.472	2157.257	2108.042
15.0	2553.711	2499.028	2441.610	2395.129	2345.914	2288.497	2222.877	2157.257	2099.839	2034.219
17.5	2572.850	2507.230	2441.610	2373.256	2307.636	2239.282	2162.725	2091.637	2015.080	1933.055
20.0	2578.318	2512.698	2441.610	2356.851	2277.560	2195.535	2099.839	1995.941	1897.511	1788.145
22.5	2591.989	2512.698	2430.673	2334.978	2239.282	2135.384	2015.080	1883.840	1747.132	1613.158
25.0	2616.597	2523.635	2419.737	2313.104	2192.801	2061.561	1908.448	1747.132	1588.550	1435.437
27.5	2622.065	2518.167	2397.864	2277.560	2140.852	1974.068	1790.879	1607.690	1438.171	1282.324
30.0	2611.128	2504.496	2370.522	2222.877	2069.764	1878.372	1670.575	1465.513	1295.995	1162.021
32.5	2613.863	2482.623	2345.914	2187.333	1993.207	1769.005	1542.070	1337.007	1183.894	1079.996
35.0	2605.660	2463.483	2313.104	2127.181	1911.182	1662.373	1419.032	1222.172	1088.198	1011.641
37.5	2600.192	2449.813	2272.092	2061.561	1812.752	1547.538	1293.260	1110.071	1008.907	956.958
40.0	2583.787	2419.737	2222.877	1990.473	1722.525	1424.500	1175.691	1003.439	924.148	896.806
42.5	2581.053	2392.395	2181.864	1911.182	1615.892	1304.197	1060.856	910.477	850.326	839.389
45.0	2561.913	2365.054	2127.181	1826.423	1501.057	1175.691	954.224	822.984	776.503	781.971
47.5	2529.103	2321.307	2067.029	1749.866	1399.893	1069.059	853.060	743.693	710.883	724.554
50.0	2518.167	2293.965	2015.080	1676.044	1304.197	976.097	771.035	675.339	647.997	664.402
52.5	2488.091	2250.219	1954.929	1604.955	1222.172	894.072	697.212	601.516	576.909	601.516
55.0	2455.281	2195.535	1892.043	1528.399	1148.350	825.718	631.592	541.365	522.226	535.897
57.5	2381.459	2116.244	1812.752	1440.905	1063.591	754.630	571.441	486.682	464.808	464.808
60.0	2293.965	2017.814	1706.120	1342.475	976.097	686.276	514.023	437.467	407.391	399.188
62.5	2187.333	1911.182	1599.487	1241.311	888.604	623.390	464.808	388.252	355.442	344.505
65.0	2072.498	1790.879	1481.918	1134.679	806.579	565.972	412.859	341.771	308.961	295.290

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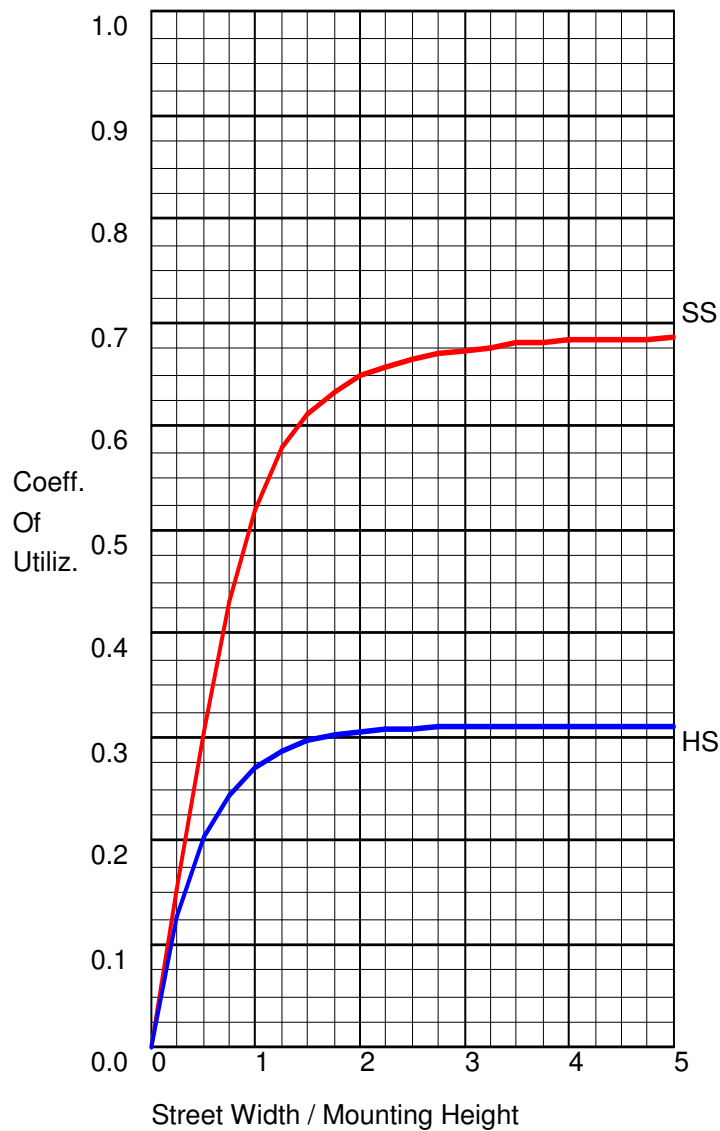
CANDELA TABULATION - (Cont.)

67.5	1908.448	1645.968	1350.678	1028.046	719.086	500.352	360.910	295.290	262.480	243.341
70.0	1700.651	1462.779	1200.299	899.541	626.124	429.264	306.227	246.075	207.797	174.987
72.5	1443.640	1244.045	1019.844	762.832	524.960	352.707	240.607	183.189	139.442	95.696
75.0	1159.286	997.971	822.984	615.187	415.593	257.012	147.645	106.632	49.215	19.139
77.5	863.996	765.566	631.592	464.808	287.087	114.835	57.417	19.139	5.468	2.734
80.0	609.719	544.099	448.403	289.822	62.886	21.873	8.202	2.734	2.734	0.000
82.5	393.720	349.973	287.087	123.037	19.139	5.468	2.734	2.734	0.000	0.000
85.0	210.531	188.657	139.442	27.342	5.468	2.734	2.734	2.734	0.000	0.000
87.5	79.291	65.620	19.139	2.734	2.734	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	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003	2417.003
2.5	2351.383	2354.117	2348.649	2351.383	2356.851	2351.383	2343.180	2334.978
5.0	2283.029	2277.560	2266.624	2269.358	2274.826	2266.624	2263.889	2255.687
7.5	2220.143	2206.472	2184.599	2179.130	2179.130	2176.396	2170.928	2173.662
10.0	2146.320	2124.447	2094.371	2067.029	2056.093	2047.890	2039.688	2045.156
12.5	2064.295	2028.751	1982.270	1946.726	1924.853	1900.245	1902.979	1908.448
15.0	1960.397	1900.245	1840.094	1779.942	1749.866	1717.056	1719.790	1725.259
17.5	1831.891	1741.664	1665.107	1585.816	1536.601	1490.120	1484.652	1490.120
20.0	1667.841	1555.740	1451.842	1372.551	1315.134	1265.919	1249.514	1249.514
22.5	1470.981	1361.615	1271.387	1189.362	1142.881	1110.071	1088.198	1082.730
25.0	1290.526	1200.299	1126.476	1074.527	1041.717	1025.312	1014.376	1011.641
27.5	1164.755	1099.135	1049.920	1017.110	997.971	992.502	992.502	989.768
30.0	1085.464	1038.983	1008.907	992.502	995.236	997.971	1006.173	1000.705
32.5	1025.312	1003.439	995.236	1003.439	1019.844	1030.781	1041.717	1041.717
35.0	976.097	978.831	989.768	1011.641	1030.781	1052.654	1071.793	1074.527
37.5	943.287	956.958	978.831	1003.439	1025.312	1047.186	1066.325	1069.059
40.0	905.009	924.148	954.224	984.300	1011.641	1038.983	1060.856	1060.856
42.5	855.794	885.870	932.351	970.629	1006.173	1033.515	1052.654	1058.122
45.0	814.781	855.794	905.009	935.085	967.895	997.971	1017.110	1025.312
47.5	768.301	806.579	844.857	877.667	896.806	924.148	932.351	937.819
50.0	710.883	738.225	762.832	784.706	790.174	812.047	814.781	814.781
52.5	631.592	653.466	669.871	675.339	678.073	686.276	689.010	683.541
55.0	552.302	565.972	571.441	571.441	568.707	576.909	582.377	571.441
57.5	467.542	473.011	478.479	478.479	481.213	483.947	486.682	483.947
60.0	401.922	399.188	407.391	407.391	410.125	412.859	410.125	410.125
62.5	341.771	341.771	341.771	339.037	333.568	333.568	333.568	333.568
65.0	289.822	281.619	265.214	251.543	248.809	237.872	237.872	237.872
67.5	224.202	202.328	174.987	150.379	120.303	71.088	57.417	54.683
70.0	142.177	101.164	49.215	30.076	21.873	13.671	13.671	13.671
72.5	43.747	19.139	10.937	8.202	5.468	5.468	5.468	5.468
75.0	8.202	5.468	2.734	2.734	2.734	2.734	2.734	2.734
77.5	2.734	2.734	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

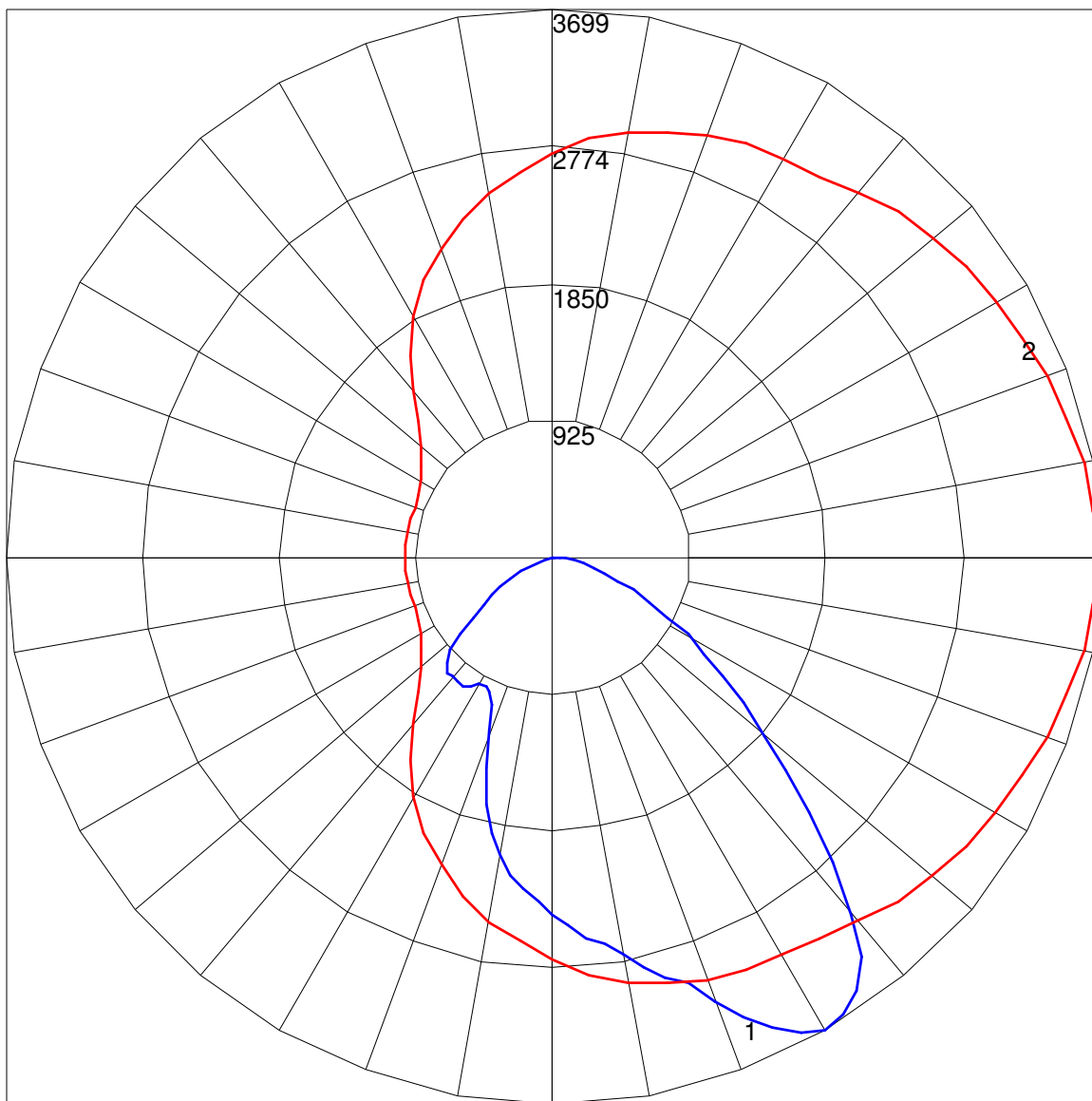
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

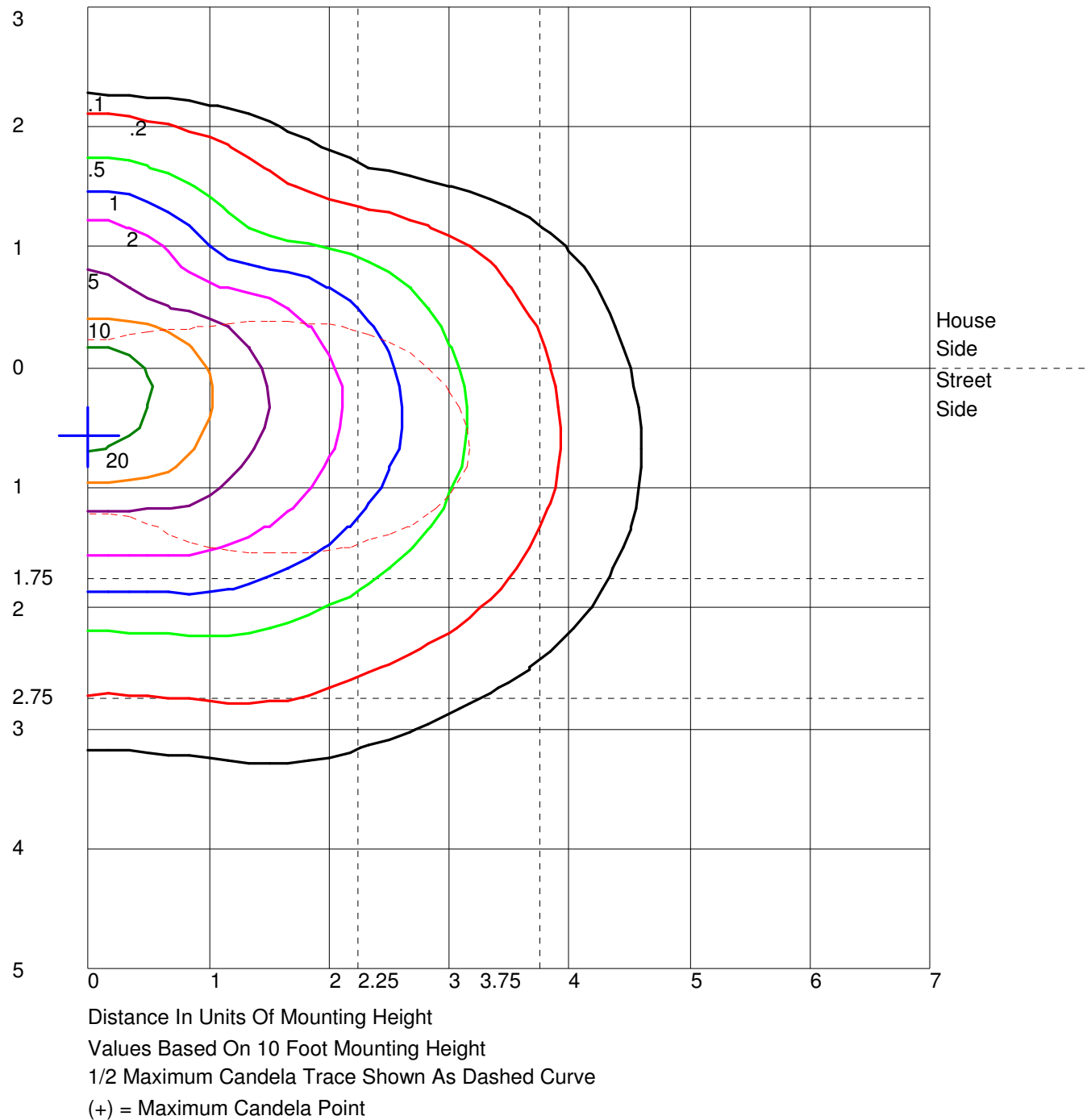
	Lumens	Percent Of Luminaire
Downward Street Side	6057.1	69.0
Downward House Side	2717.0	31.0
Downward Total	8774.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8774.1	100.0

POLAR GRAPH

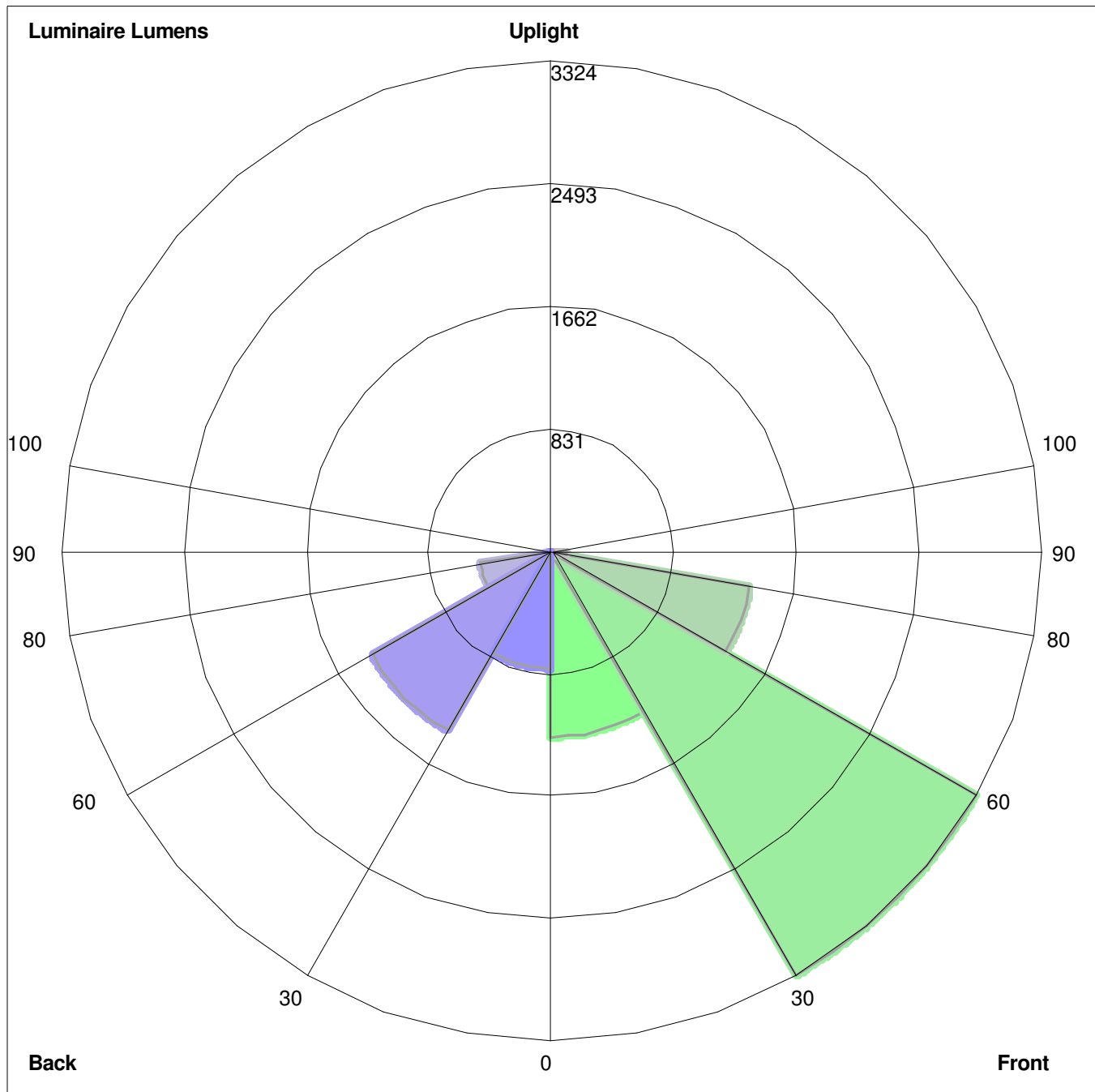


Maximum Candela = 3699.326 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1257.1, Medium=3323.7, High=1370.7, Very High=105.6
Back: Low=795.2, Medium=1407.4, High=488.2, Very High=26.3
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2