



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-850-T3-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009827  
[TESTLAB] ATAL-LABS  
[ISSUEDATE] 2024-01-31  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPX-L85-850-T3-xxx-CGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[MORE] WITH TYPE III DISTRIBUTION AND CLEAR  
[MORE] GLASS LENS  
[LAMPCAT] X8-LUXEON M  
[LAMP] 8 WHITE LEDS  
[\_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	8416
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3478.103
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	3478.103
Maximum Candela Angle (<90 Degrees Vertical)	0H 35V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1082.297 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L85-850-T3-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1114.6	N.A.	13.2
FM - Front-Medium (30-60)	3128.5	N.A.	37.2
FH - Front-High (60-80)	1613.4	N.A.	19.2
FVH - Front-Very High (80-90)	67.3	N.A.	0.8
BL - Back-Low (0-30)	706.9	N.A.	8.4
BM - Back-Medium (30-60)	1241.7	N.A.	14.8
BH - Back-High (60-80)	531.5	N.A.	6.3
BVH - Back-Very High (80-90)	12.0	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	8415.9	N.A.	100.0
BUG Rating	B2-U0-G2		

**IES ROAD REPORT**  
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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>2.5</b></u>	<u><b>5.0</b></u>	<u><b>15.0</b></u>	<u><b>25.0</b></u>	<u><b>35.0</b></u>	<u><b>45.0</b></u>	<u><b>55.0</b></u>	<u><b>65.0</b></u>	<u><b>75.0</b></u>
<b>0.0</b>	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339
<b>2.5</b>	2229.844	2236.937	2248.284	2239.774	2238.355	2227.007	2215.659	2200.056	2197.219	2178.779
<b>5.0</b>	2292.257	2300.768	2310.697	2305.023	2303.605	2295.094	2283.746	2270.980	2266.725	2235.518
<b>7.5</b>	2341.904	2350.415	2356.089	2351.833	2348.996	2351.833	2346.159	2340.485	2340.485	2305.023
<b>10.0</b>	2428.431	2435.523	2438.360	2431.268	2422.757	2421.339	2411.409	2405.735	2414.246	2377.366
<b>12.5</b>	2520.632	2524.887	2524.887	2524.887	2523.469	2523.469	2500.773	2478.078	2483.751	2444.034
<b>15.0</b>	2539.072	2543.327	2544.746	2558.931	2583.045	2611.414	2600.066	2564.605	2549.001	2497.936
<b>17.5</b>	2549.001	2547.583	2549.001	2554.675	2583.045	2639.784	2666.735	2649.713	2607.159	2541.909
<b>20.0</b>	2675.246	2675.246	2675.246	2641.202	2617.088	2634.110	2683.757	2710.708	2662.479	2580.208
<b>22.5</b>	2930.571	2916.387	2903.620	2818.512	2727.729	2663.898	2666.735	2734.822	2706.452	2621.344
<b>25.0</b>	3167.457	3153.272	3131.995	3002.914	2862.485	2739.077	2663.898	2722.055	2740.496	2648.295
<b>27.5</b>	3320.652	3313.560	3295.120	3140.506	2970.289	2829.860	2702.197	2702.197	2760.354	2669.572
<b>30.0</b>	3429.875	3418.527	3392.995	3229.870	3049.723	2909.294	2764.610	2707.871	2773.121	2685.175
<b>32.5</b>	3475.266	3461.081	3425.620	3283.772	3124.903	2983.055	2832.697	2739.077	2775.958	2697.941
<b>35.0</b>	3478.103	3465.337	3432.712	3310.723	3187.316	3061.071	2900.783	2777.376	2784.468	2723.474
<b>37.5</b>	3428.456	3425.620	3394.413	3310.723	3253.984	3141.924	2966.033	2791.561	2795.816	2747.588
<b>40.0</b>	3229.870	3210.011	3188.734	3217.104	3278.098	3232.707	3032.702	2798.653	2808.582	2791.561
<b>42.5</b>	2758.936	2733.403	2720.637	2882.343	3217.104	3330.582	3112.136	2811.419	2810.001	2855.392
<b>45.0</b>	2227.007	2200.056	2195.801	2357.507	2949.012	3383.065	3185.897	2832.697	2815.675	2916.387
<b>47.5</b>	1865.296	1848.274	1848.274	1975.937	2418.502	3349.022	3262.495	2856.811	2819.930	2978.800
<b>50.0</b>	1661.035	1646.851	1646.851	1764.584	2120.622	3181.642	3349.022	2879.506	2834.115	3029.865
<b>52.5</b>	1490.818	1478.052	1480.889	1595.785	2005.725	2746.170	3363.207	2940.501	2889.436	3080.930
<b>55.0</b>	1346.134	1337.623	1347.552	1456.775	1924.872	2540.490	3224.196	3068.164	2941.919	3143.343
<b>57.5</b>	1251.096	1248.259	1252.514	1356.063	1849.693	2418.502	2882.343	3205.756	3005.751	3153.272
<b>60.0</b>	1123.433	1117.759	1112.085	1208.542	1729.122	2249.703	2568.860	3262.495	3012.843	3126.321
<b>62.5</b>	904.988	897.895	892.221	988.678	1506.421	2015.654	2262.469	3173.131	2949.012	3093.696
<b>65.0</b>	615.619	611.363	605.689	724.841	1214.215	1714.937	1922.035	2947.593	2910.713	3137.669
<b>67.5</b>	333.342	334.760	347.527	445.401	899.314	1408.547	1619.900	2543.327	2946.175	3185.897
<b>70.0</b>	241.141	242.559	248.233	334.760	666.684	1097.900	1329.112	2157.502	3042.631	3210.011
<b>72.5</b>	184.402	184.402	191.494	255.326	513.488	825.553	1032.651	1784.443	2981.637	3034.120
<b>75.0</b>	141.848	140.429	144.685	190.076	387.244	571.646	741.863	1327.694	2656.806	2570.278
<b>77.5</b>	99.293	97.875	102.130	129.081	275.184	377.315	497.885	859.596	2116.366	1836.926
<b>80.0</b>	59.576	58.158	60.994	76.598	173.054	239.722	289.369	571.646	1082.297	859.596
<b>82.5</b>	31.206	29.788	31.206	36.880	87.946	131.918	137.592	374.478	390.081	314.902
<b>85.0</b>	14.185	12.766	14.185	17.022	35.462	59.576	58.158	165.962	121.989	121.989
<b>87.5</b>	4.255	4.255	4.255	5.674	9.929	14.185	18.440	36.880	32.625	36.880
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>85.0</b></u>	<u><b>90.0</b></u>	<u><b>95.0</b></u>	<u><b>105.0</b></u>	<u><b>115.0</b></u>	<u><b>125.0</b></u>	<u><b>135.0</b></u>	<u><b>145.0</b></u>	<u><b>155.0</b></u>	<u><b>165.0</b></u>
<b>0.0</b>	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339	2160.339
<b>2.5</b>	2164.594	2156.083	2150.410	2139.062	2133.388	2114.948	2105.018	2099.344	2095.089	2086.578
<b>5.0</b>	2209.986	2192.964	2178.779	2147.573	2120.622	2072.393	2039.768	2011.399	1990.122	1971.682
<b>7.5</b>	2272.399	2248.284	2224.170	2170.268	2120.622	2049.698	1994.377	1948.986	1912.106	1887.992
<b>10.0</b>	2334.811	2305.023	2272.399	2195.801	2126.296	2041.187	1971.682	1917.780	1872.388	1842.600
<b>12.5</b>	2387.295	2348.996	2310.697	2214.241	2131.969	2036.932	1968.845	1902.176	1835.508	1775.932
<b>15.0</b>	2429.849	2384.458	2331.975	2219.915	2123.459	2034.095	1961.752	1858.204	1748.981	1651.106
<b>17.5</b>	2462.474	2407.154	2341.904	2209.986	2105.018	2019.910	1919.198	1763.166	1598.622	1428.405
<b>20.0</b>	2485.170	2419.920	2341.904	2188.708	2080.904	1987.285	1835.508	1602.878	1314.927	1015.629
<b>22.5</b>	2505.029	2429.849	2344.741	2171.687	2062.464	1927.709	1706.427	1330.530	906.406	723.423
<b>25.0</b>	2529.143	2444.034	2347.578	2163.176	2038.350	1844.019	1503.585	943.287	729.097	704.983
<b>27.5</b>	2543.327	2452.545	2348.996	2158.920	2011.399	1733.378	1221.308	767.396	737.608	773.069

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## CANDELA TABULATION - (Cont.)

30.0	2551.838	2455.382	2339.067	2147.573	1971.682	1587.275	924.846	754.629	802.857	852.504
32.5	2556.094	2448.290	2320.627	2127.714	1916.361	1398.617	814.205	794.347	866.689	909.243
35.0	2550.420	2431.268	2293.676	2106.437	1846.856	1202.868	812.787	826.971	882.292	882.292
37.5	2553.257	2417.083	2266.725	2075.230	1756.073	1005.699	804.276	824.135	832.645	838.319
40.0	2567.442	2415.665	2249.703	2035.513	1634.084	845.412	770.232	773.069	782.999	848.249
42.5	2591.556	2419.920	2236.937	1984.448	1496.492	723.423	689.379	729.097	821.298	1021.303
45.0	2628.436	2432.686	2232.681	1937.638	1330.530	615.619	604.271	689.379	970.238	1122.015
47.5	2678.083	2465.311	2249.703	1902.176	1181.590	507.814	520.581	805.694	1031.232	1157.476
50.0	2740.496	2502.192	2269.562	1875.225	1068.112	422.706	472.353	863.852	919.172	855.341
52.5	2785.887	2533.398	2290.839	1868.133	1017.047	371.641	487.956	643.988	485.119	442.565
55.0	2869.577	2595.811	2340.485	1882.318	992.933	334.760	378.733	370.222	326.249	313.483
57.5	2977.381	2669.572	2374.529	1866.714	934.776	310.646	286.532	289.369	282.277	266.673
60.0	2997.240	2710.708	2415.665	1831.252	859.596	286.532	251.070	249.652	252.489	245.396
62.5	3036.957	2710.708	2400.061	1731.959	791.510	261.000	228.375	215.608	225.538	217.027
65.0	3130.577	2758.936	2395.806	1648.269	712.075	234.049	200.005	184.402	171.636	181.565
67.5	3271.006	2848.300	2468.148	1675.220	642.570	209.934	157.451	126.244	106.386	96.456
70.0	3332.000	2872.414	2485.170	1724.867	577.320	178.728	106.386	59.576	26.951	5.674
72.5	3127.740	2669.572	2297.931	1628.410	500.722	133.337	53.902	11.348	4.255	4.255
75.0	2488.007	2113.529	1808.557	1375.922	358.874	78.016	9.929	4.255	2.837	2.837
77.5	1424.150	1202.868	1011.373	964.564	174.473	22.696	2.837	2.837	1.418	1.418
80.0	524.836	439.728	334.760	397.173	56.739	4.255	1.418	1.418	1.418	1.418
82.5	190.076	154.614	123.407	106.386	15.603	1.418	1.418	1.418	1.418	0.000
85.0	72.342	62.413	51.065	29.788	2.837	1.418	1.418	1.418	1.418	1.418
87.5	21.277	19.859	17.022	4.255	1.418	1.418	1.418	1.418	1.418	1.418
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

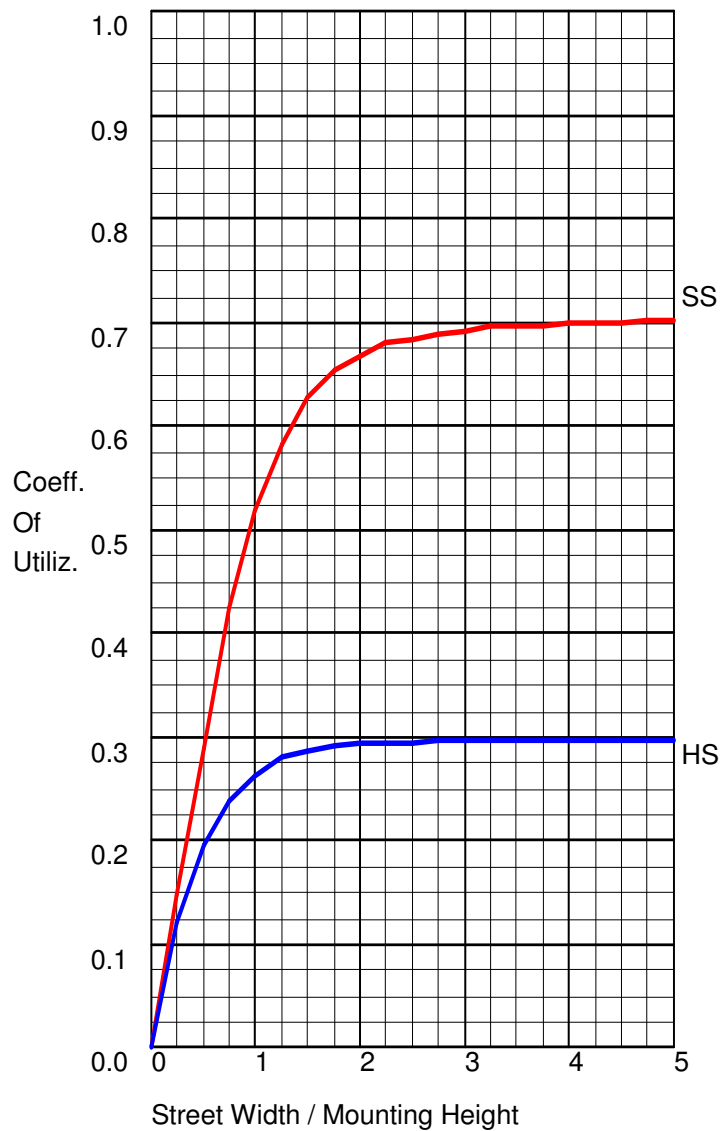
## Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	2160.339	2160.339
2.5	2096.508	2093.671
5.0	1977.356	1977.356
7.5	1886.573	1899.339
10.0	1835.508	1851.111
12.5	1753.236	1771.677
15.0	1608.552	1608.552
17.5	1346.134	1324.857
20.0	896.477	866.689
22.5	689.379	690.798
25.0	709.238	709.238
27.5	787.254	787.254
30.0	868.107	868.107
32.5	917.754	917.754
35.0	879.455	876.618
37.5	842.575	841.156
40.0	941.868	939.031
42.5	1095.063	1093.645
45.0	1181.590	1180.172
47.5	1191.520	1201.449
50.0	782.999	808.531
52.5	436.891	449.657
55.0	307.809	312.065
57.5	259.581	259.581
60.0	241.141	239.722
62.5	228.375	229.793
65.0	214.190	219.864

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L85-850-T3-XXX-CGL-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

<b>67.5</b>	62.413	42.554
<b>70.0</b>	4.255	4.255
<b>72.5</b>	4.255	4.255
<b>75.0</b>	2.837	2.837
<b>77.5</b>	1.418	0.000
<b>80.0</b>	0.000	0.000
<b>82.5</b>	0.000	0.000
<b>85.0</b>	0.000	1.418
<b>87.5</b>	1.418	0.000
<b>90.0</b>	0.000	0.000

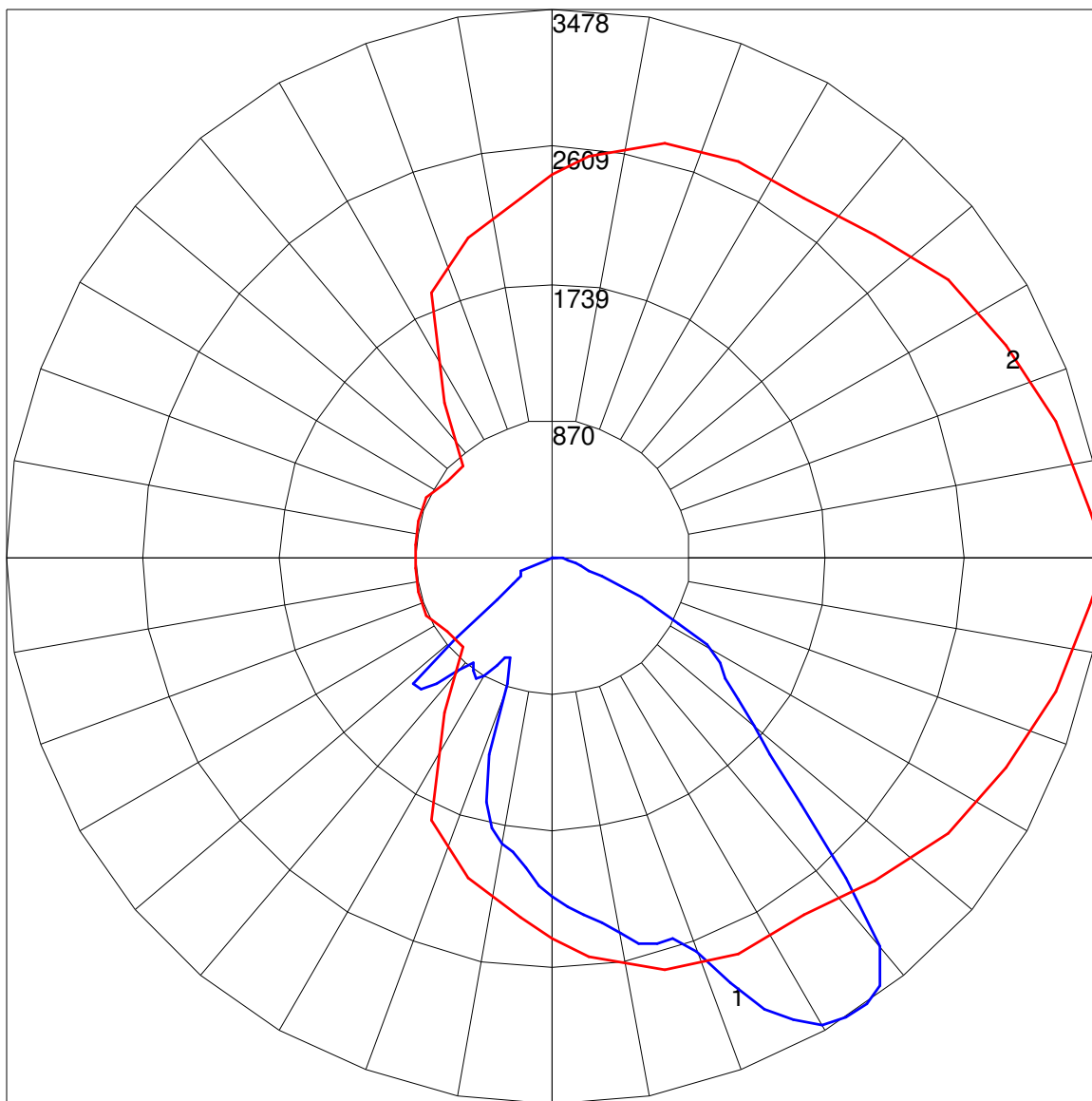
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

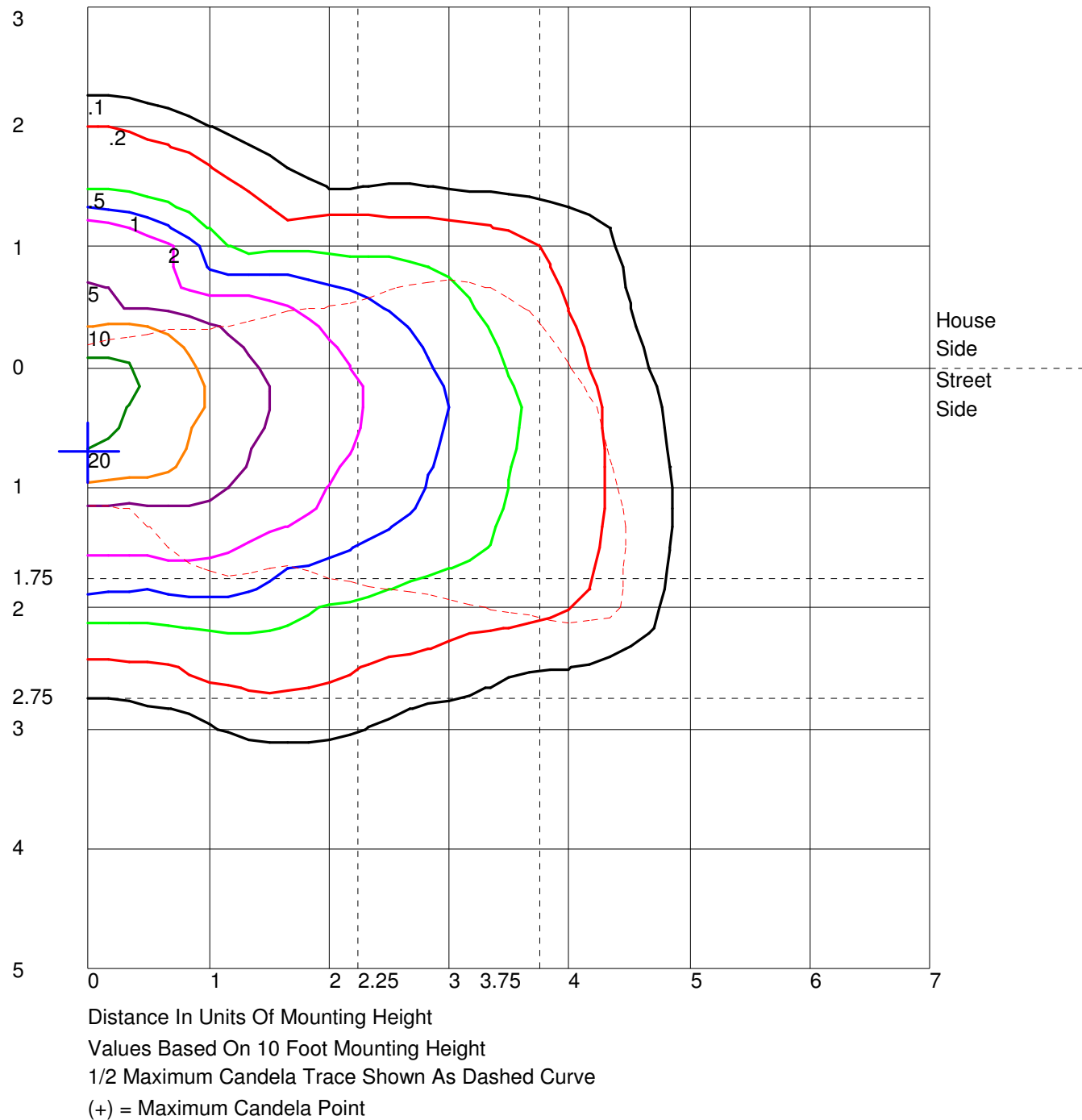
	Lumens	Percent Of Luminaire
Downward Street Side	5923.8	70.4
Downward House Side	2492.1	29.6
Downward Total	8415.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8415.9	100.0

POLAR GRAPH



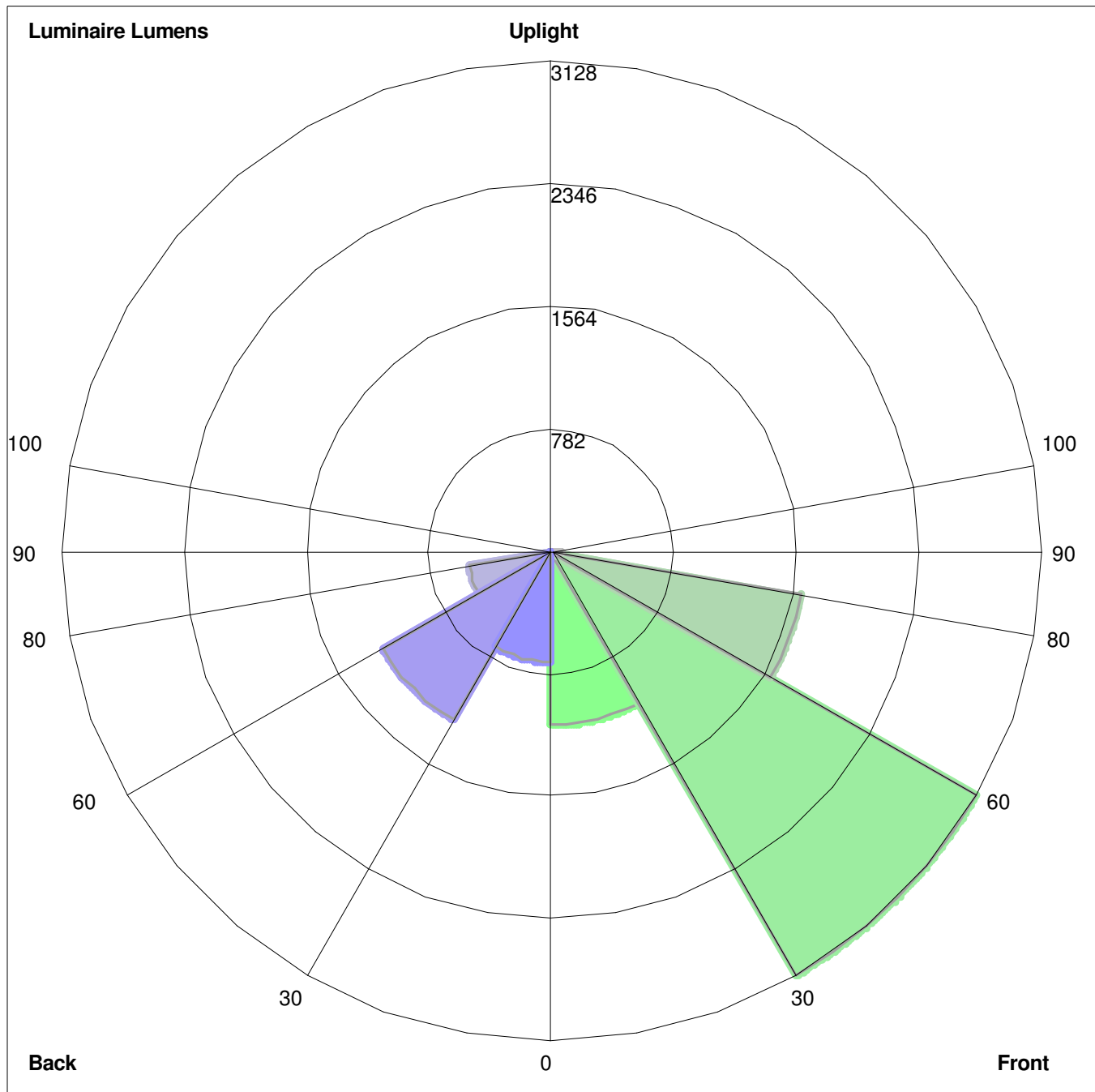
Maximum Candela = 3478.103 Located At Horizontal Angle = 0, Vertical Angle = 35  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1114.6, Medium=3128.5, High=1613.4, Very High=67.3  
Back: Low=706.9, Medium=1241.7, High=531.5, Very High=12.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2