



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-840-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-L85-840-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	8147
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3367.101
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	3367.101
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	1047.756 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-840-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1079.1	N.A.	13.2
FM - Front-Medium (30-60)	3028.6	N.A.	37.2
FH - Front-High (60-80)	1561.9	N.A.	19.2
FVH - Front-Very High (80-90)	65.1	N.A.	0.8
BL - Back-Low (0-30)	684.3	N.A.	8.4
BM - Back-Medium (30-60)	1202.1	N.A.	14.8
BH - Back-High (60-80)	514.6	N.A.	6.3
BVH - Back-Very High (80-90)	11.6	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	8147.3	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>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393
2.5	2158.680	2165.546	2176.532	2168.292	2166.919	2155.933	2144.948	2129.843	2127.096	2109.244
5.0	2219.101	2227.340	2236.953	2231.460	2230.087	2221.847	2210.862	2198.503	2194.383	2164.173
7.5	2267.163	2275.402	2280.895	2276.776	2274.029	2276.776	2271.283	2265.790	2265.790	2231.460
10.0	2350.929	2357.795	2360.541	2353.675	2345.436	2344.063	2334.450	2328.957	2337.197	2301.493
12.5	2440.187	2444.307	2444.307	2444.307	2442.934	2442.934	2420.962	2398.991	2404.484	2366.034
15.0	2458.039	2462.158	2463.532	2477.264	2500.608	2528.072	2517.087	2482.756	2467.651	2418.216
17.5	2467.651	2466.278	2467.651	2473.144	2500.608	2555.536	2581.627	2565.149	2523.953	2460.785
20.0	2589.867	2589.867	2589.867	2556.910	2533.565	2550.044	2598.106	2624.197	2577.508	2497.862
22.5	2837.044	2823.312	2810.953	2728.560	2640.675	2578.881	2581.627	2647.541	2620.077	2537.685
25.0	3066.369	3052.637	3032.039	2907.077	2771.130	2651.661	2578.881	2635.182	2653.034	2563.776
27.5	3214.675	3207.809	3189.958	3040.278	2875.493	2739.546	2615.957	2615.957	2672.259	2584.374
30.0	3320.412	3309.427	3284.709	3126.790	2952.393	2816.446	2676.379	2621.450	2684.618	2599.479
32.5	3364.355	3350.623	3316.293	3178.972	3025.173	2887.852	2742.292	2651.661	2687.364	2611.838
35.0	3367.101	3354.742	3323.159	3205.063	3085.594	2963.379	2808.206	2688.737	2695.603	2636.556
37.5	3319.039	3316.293	3286.082	3205.063	3150.135	3041.651	2871.374	2702.469	2706.589	2659.900
40.0	3126.790	3107.565	3086.967	3114.431	3173.479	3129.537	2935.914	2709.335	2718.948	2702.469
42.5	2670.886	2646.168	2633.809	2790.355	3114.431	3224.288	3012.814	2721.694	2720.321	2764.264
45.0	2155.933	2129.843	2125.723	2282.268	2854.895	3275.096	3084.221	2742.292	2725.814	2823.312
47.5	1805.766	1789.287	1789.287	1912.876	2341.316	3242.139	3158.374	2765.637	2729.934	2883.733
50.0	1608.024	1594.292	1594.292	1708.268	2052.943	3080.101	3242.139	2787.608	2743.666	2933.168
52.5	1443.240	1430.881	1433.627	1544.857	1941.713	2658.527	3255.871	2846.656	2797.221	2982.603
55.0	1303.173	1294.933	1304.546	1410.283	1863.441	2459.412	3121.297	2970.245	2848.029	3043.025
57.5	1211.168	1208.421	1212.541	1312.785	1790.661	2341.316	2790.355	3103.446	2909.824	3052.637
60.0	1087.579	1082.086	1076.594	1169.972	1673.938	2177.905	2486.876	3158.374	2916.690	3026.546
62.5	876.105	869.239	863.747	957.125	1458.345	1951.326	2190.264	3071.862	2854.895	2994.962
65.0	595.971	591.852	586.359	701.708	1175.464	1660.206	1860.694	2853.522	2817.819	3037.532
67.5	322.703	324.077	336.435	431.187	870.613	1363.594	1568.201	2462.158	2852.149	3084.221
70.0	233.445	234.818	240.311	324.077	645.407	1062.861	1286.694	2088.646	2945.527	3107.565
72.5	178.517	178.517	185.383	247.177	497.101	799.206	999.694	1727.493	2886.479	2937.288
75.0	137.321	135.947	140.067	184.010	374.885	553.402	718.187	1285.321	2572.015	2488.249
77.5	96.124	94.751	98.871	124.962	266.402	365.273	481.995	832.163	2048.823	1778.302
80.0	57.675	56.301	59.048	74.153	167.531	232.072	280.134	553.402	1047.756	832.163
82.5	30.211	28.837	30.211	35.703	85.139	127.708	133.201	362.526	377.632	304.852
85.0	13.732	12.359	13.732	16.478	34.330	57.675	56.301	160.665	118.096	118.096
87.5	4.120	4.120	4.120	5.493	9.612	13.732	17.852	35.703	31.584	35.703
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>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393	2091.393
2.5	2095.512	2087.273	2081.780	2070.795	2065.302	2047.450	2037.838	2032.345	2028.225	2019.986
5.0	2139.455	2122.977	2109.244	2079.034	2052.943	2006.254	1974.670	1947.206	1926.608	1908.756
7.5	2199.876	2176.532	2153.187	2101.005	2052.943	1984.283	1930.728	1886.785	1851.082	1827.737
10.0	2260.297	2231.460	2199.876	2125.723	2058.436	1976.043	1908.756	1856.575	1812.632	1783.795
12.5	2311.106	2274.029	2236.953	2143.575	2063.929	1971.924	1906.010	1841.469	1776.929	1719.254
15.0	2352.302	2308.359	2257.551	2149.067	2055.689	1969.177	1899.144	1798.900	1693.163	1598.412
17.5	2383.886	2330.331	2267.163	2139.455	2037.838	1955.445	1857.948	1706.895	1547.603	1382.818
20.0	2405.857	2342.689	2267.163	2118.857	2014.493	1923.862	1776.929	1551.723	1272.962	983.216
22.5	2425.082	2352.302	2269.910	2102.378	1996.642	1866.187	1651.967	1288.067	877.479	700.335
25.0	2448.426	2366.034	2272.656	2094.139	1973.297	1785.168	1455.598	913.182	705.828	682.483
27.5	2462.158	2374.273	2274.029	2090.020	1947.206	1678.058	1182.330	742.904	714.067	748.397

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CANDELA TABULATION - (Cont.)

30.0	2470.398	2377.020	2264.417	2079.034	1908.756	1536.618	895.330	730.546	777.235	825.297
32.5	2474.517	2370.154	2246.565	2059.809	1855.201	1353.981	788.220	768.995	839.029	880.225
35.0	2469.024	2353.675	2220.474	2039.211	1787.914	1164.479	786.847	800.579	854.134	854.134
37.5	2471.771	2339.943	2194.383	2009.000	1700.029	973.603	778.608	797.833	806.072	811.565
40.0	2485.503	2338.570	2177.905	1970.551	1581.933	818.431	745.651	748.397	758.010	821.177
42.5	2508.847	2342.689	2165.546	1921.115	1448.732	700.335	667.378	705.828	795.086	988.708
45.0	2544.551	2355.048	2161.426	1875.799	1288.067	595.971	584.986	667.378	939.273	1086.206
47.5	2592.613	2386.632	2177.905	1841.469	1143.881	491.608	503.967	779.981	998.321	1120.536
50.0	2653.034	2422.335	2197.130	1815.378	1034.024	409.215	457.278	836.282	889.838	828.043
52.5	2696.977	2452.546	2217.728	1808.512	984.589	359.780	472.383	623.436	469.636	428.440
55.0	2777.996	2512.967	2265.790	1822.244	961.244	324.077	366.646	358.407	315.837	303.479
57.5	2882.359	2584.374	2298.747	1807.139	904.943	300.732	277.388	280.134	273.268	258.163
60.0	2901.584	2624.197	2338.570	1772.809	832.163	277.388	243.057	241.684	244.431	237.565
62.5	2940.034	2624.197	2323.465	1676.685	766.249	252.670	221.086	208.727	218.340	210.101
65.0	3030.666	2670.886	2319.345	1595.665	689.349	226.579	193.622	178.517	166.158	175.770
67.5	3166.613	2757.398	2389.378	1621.756	622.062	203.234	152.426	122.215	102.990	93.378
70.0	3225.661	2780.742	2405.857	1669.819	558.895	173.024	102.990	57.675	26.091	5.493
72.5	3027.919	2584.374	2224.594	1576.441	484.742	129.081	52.182	10.986	4.120	4.120
75.0	2408.603	2046.077	1750.838	1332.010	347.421	75.526	9.612	4.120	2.746	2.746
77.5	1378.699	1164.479	979.096	933.780	168.904	21.971	2.746	2.746	1.373	1.373
80.0	508.086	425.694	324.077	384.498	54.928	4.120	1.373	1.373	1.373	1.373
82.5	184.010	149.679	119.469	102.990	15.105	1.373	1.373	1.373	1.373	0.000
85.0	70.034	60.421	49.435	28.837	2.746	1.373	1.373	1.373	1.373	1.373
87.5	20.598	19.225	16.478	4.120	1.373	1.373	1.373	1.373	1.373	1.373
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

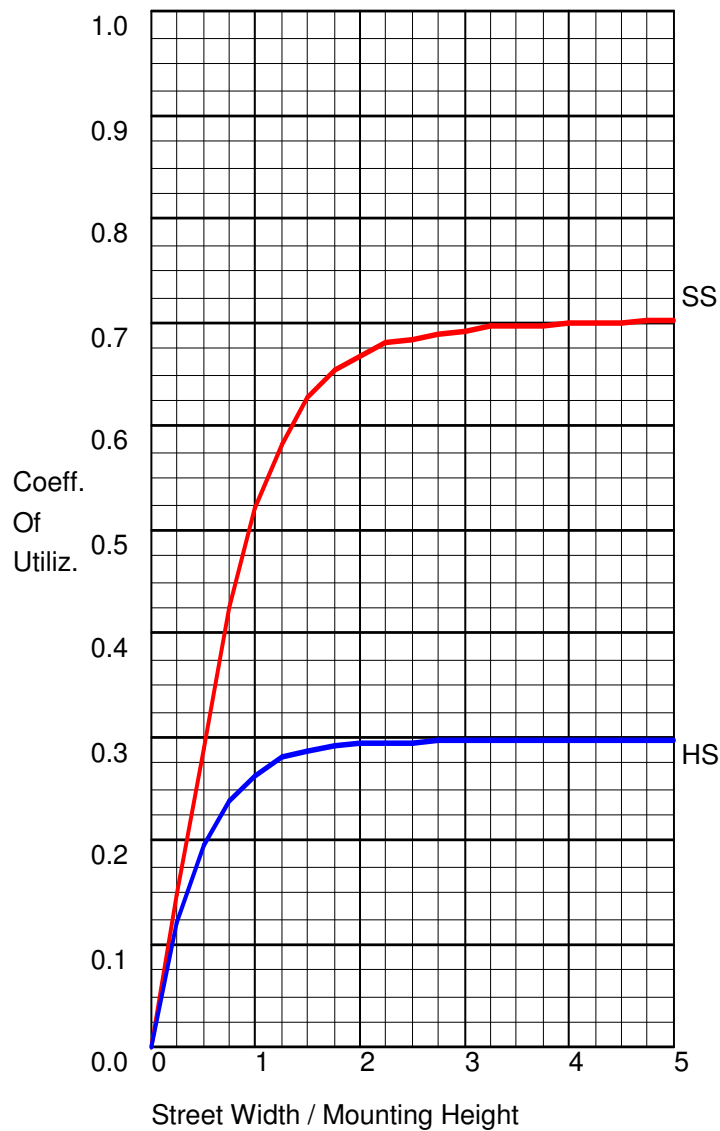
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	2091.393	2091.393
2.5	2029.598	2026.852
5.0	1914.249	1914.249
7.5	1826.364	1838.723
10.0	1776.929	1792.034
12.5	1697.283	1715.134
15.0	1557.216	1557.216
17.5	1303.173	1282.574
20.0	867.866	839.029
22.5	667.378	668.751
25.0	686.603	686.603
27.5	762.129	762.129
30.0	840.402	840.402
32.5	888.464	888.464
35.0	851.388	848.641
37.5	815.684	814.311
40.0	911.809	909.062
42.5	1060.115	1058.742
45.0	1143.881	1142.507
47.5	1153.493	1163.105
50.0	758.010	782.727
52.5	422.947	435.306
55.0	297.986	302.105
57.5	251.297	251.297
60.0	233.445	232.072
62.5	221.086	222.459
65.0	207.354	212.847

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-840-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	60.421	41.196
70.0	4.120	4.120
72.5	4.120	4.120
75.0	2.746	2.746
77.5	1.373	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.373
87.5	1.373	0.000
90.0	0.000	0.000

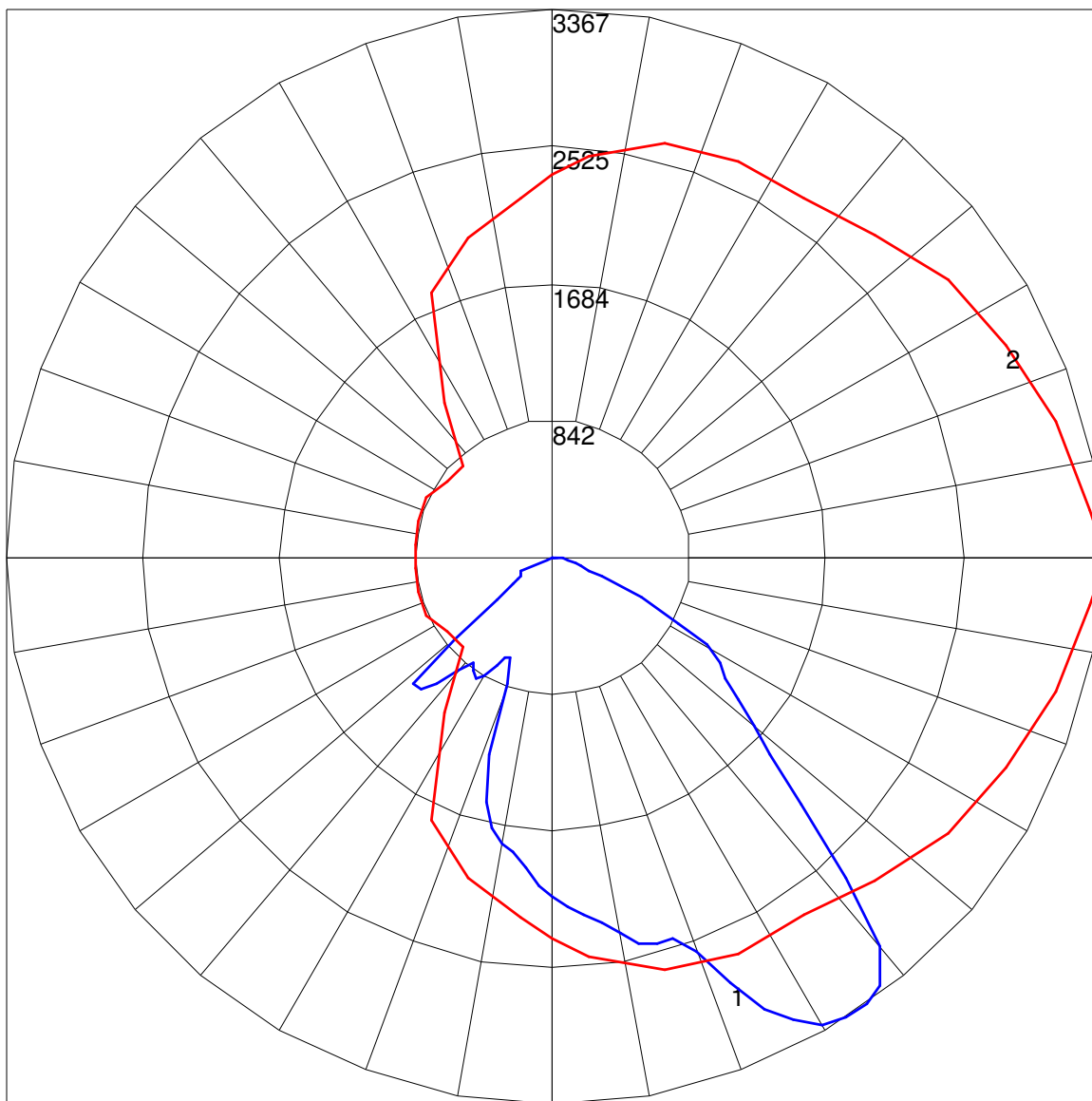
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

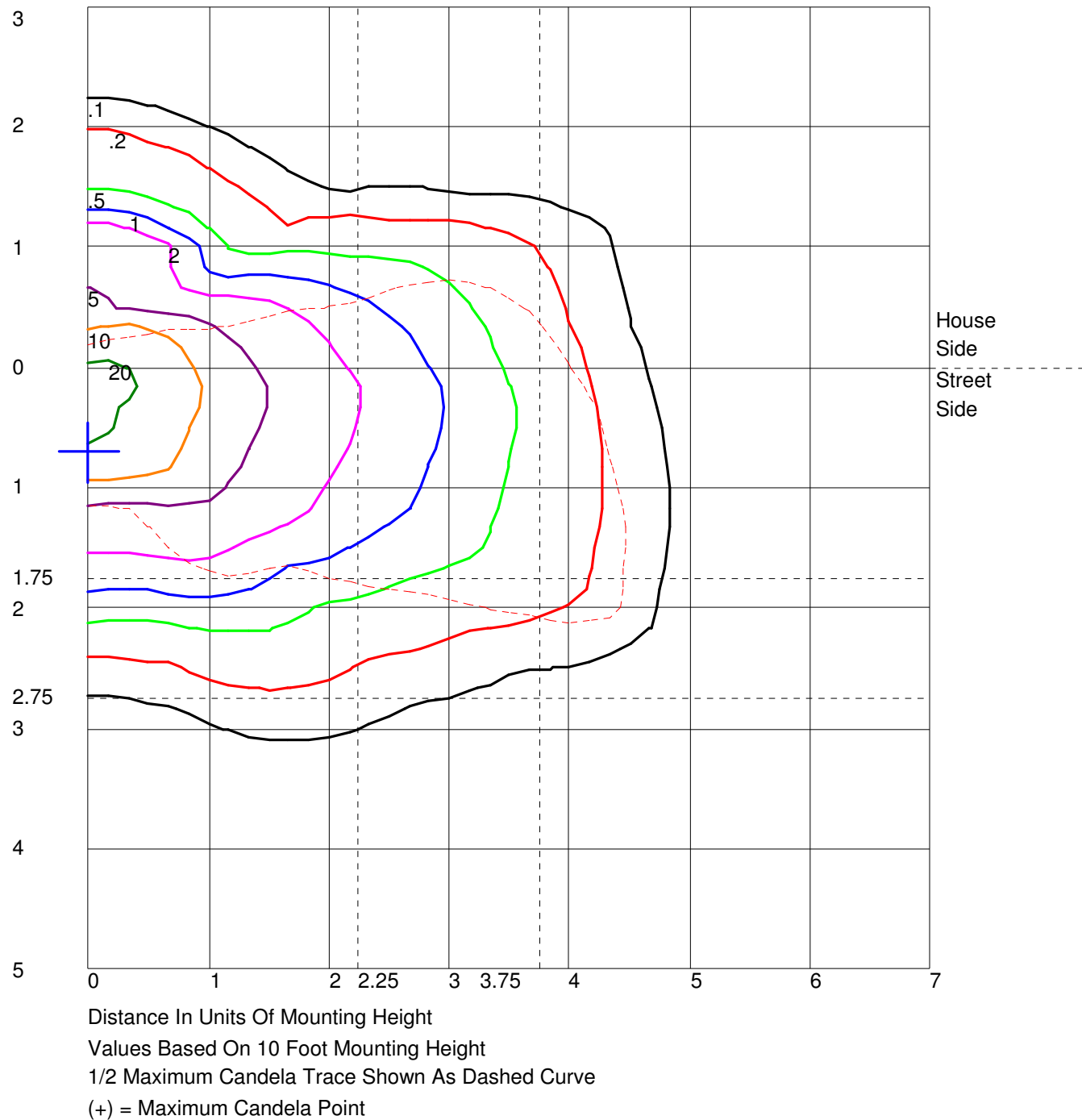
	Lumens	Percent Of Luminaire
Downward Street Side	5734.7	70.4
Downward House Side	2412.6	29.6
Downward Total	8147.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8147.3	100.0

POLAR GRAPH

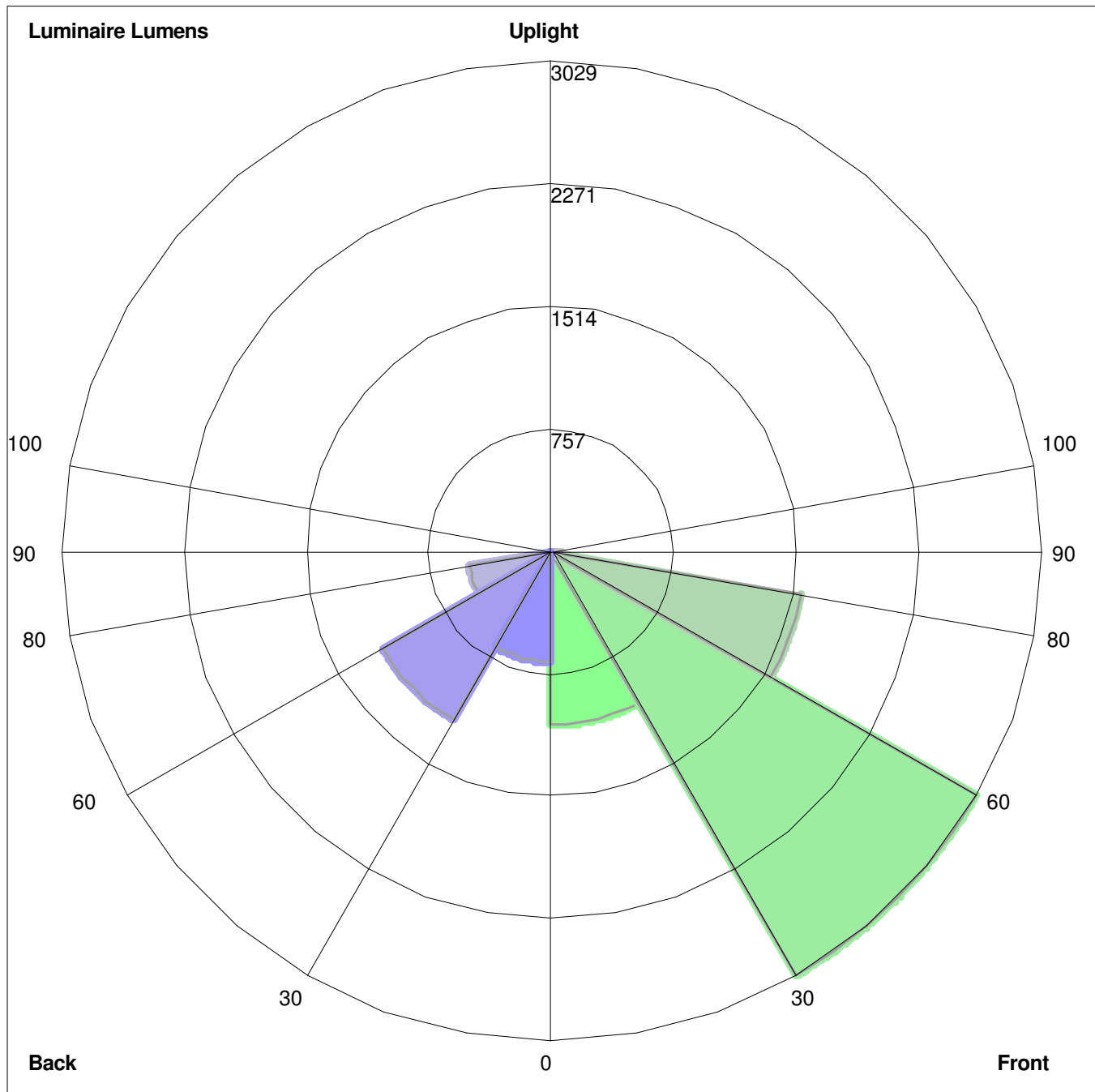


Maximum Candela = 3367.101 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1079.1, Medium=3028.6, High=1561.9, Very High=65.1
Back: Low=684.3, Medium=1202.1, High=514.6, Very High=11.6
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2