



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-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-L85-730-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	8505
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3515.104
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	3515.104
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	1093.811 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L85-730-T3-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1126.5	N.A.	13.2
FM - Front-Medium (30-60)	3161.8	N.A.	37.2
FH - Front-High (60-80)	1630.5	N.A.	19.2
FVH - Front-Very High (80-90)	68.0	N.A.	0.8
BL - Back-Low (0-30)	714.4	N.A.	8.4
BM - Back-Medium (30-60)	1254.9	N.A.	14.8
BH - Back-High (60-80)	537.2	N.A.	6.3
BVH - Back-Very High (80-90)	12.1	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	8505.4	N.A.	100.0
BUG Rating	B2-U0-G2		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321
2.5	2253.566	2260.734	2272.202	2263.601	2262.167	2250.699	2239.230	2223.461	2220.594	2201.957
5.0	2316.643	2325.244	2335.279	2329.545	2328.111	2319.510	2308.041	2295.139	2290.838	2259.300
7.5	2366.817	2375.419	2381.153	2376.852	2373.985	2376.852	2371.118	2365.384	2365.384	2329.545
10.0	2454.265	2461.433	2464.300	2457.132	2448.531	2447.097	2437.062	2431.328	2439.929	2402.657
12.5	2547.447	2551.747	2551.747	2551.747	2550.314	2550.314	2527.377	2504.440	2510.174	2470.034
15.0	2566.083	2570.384	2571.817	2586.153	2610.524	2639.195	2627.726	2591.887	2576.118	2524.510
17.5	2576.118	2574.684	2576.118	2581.852	2610.524	2667.866	2695.104	2677.901	2634.894	2568.950
20.0	2703.705	2703.705	2703.705	2669.300	2644.929	2662.132	2712.307	2739.545	2690.803	2607.657
22.5	2961.747	2947.412	2934.510	2848.496	2756.747	2692.237	2695.104	2763.915	2735.244	2649.230
25.0	3201.153	3186.817	3165.314	3034.859	2892.936	2768.216	2692.237	2751.013	2769.649	2676.468
27.5	3355.978	3348.810	3330.174	3173.915	3001.887	2859.964	2730.943	2730.943	2789.719	2697.971
30.0	3466.363	3454.894	3429.090	3264.230	3082.167	2940.244	2794.020	2736.677	2802.621	2713.740
32.5	3512.237	3497.901	3462.062	3318.705	3158.146	3014.789	2862.831	2768.216	2805.489	2726.642
35.0	3515.104	3502.202	3469.230	3345.943	3221.223	3093.635	2931.642	2806.922	2814.090	2752.447
37.5	3464.929	3462.062	3430.523	3345.943	3288.600	3175.349	2997.586	2821.258	2825.559	2776.817
40.0	3264.230	3244.160	3222.656	3251.328	3312.971	3267.097	3064.964	2828.426	2838.461	2821.258
42.5	2788.286	2762.482	2749.580	2913.006	3251.328	3366.013	3145.244	2841.328	2839.894	2885.768
45.0	2250.699	2223.461	2219.160	2382.587	2980.384	3419.055	3219.789	2862.831	2845.628	2947.412
47.5	1885.139	1867.936	1867.936	1996.957	2444.230	3384.649	3297.202	2887.202	2849.929	3010.489
50.0	1678.706	1664.370	1664.370	1783.356	2143.181	3215.488	3384.649	2910.139	2864.265	3062.097
52.5	1506.678	1493.776	1496.643	1612.762	2027.062	2775.384	3398.985	2971.782	2920.174	3113.705
55.0	1360.454	1351.853	1361.888	1472.272	1945.349	2567.517	3258.495	3100.803	2973.216	3176.782
57.5	1264.405	1261.538	1265.839	1370.489	1869.370	2444.230	2913.006	3239.859	3037.726	3186.817
60.0	1135.384	1129.650	1123.916	1221.398	1747.517	2273.636	2596.188	3297.202	3044.894	3159.579
62.5	914.615	907.447	901.713	999.195	1522.447	2037.097	2286.538	3206.887	2980.384	3126.607
65.0	622.168	617.867	612.133	732.552	1227.132	1733.181	1942.482	2978.950	2941.677	3171.048
67.5	336.888	338.322	351.224	450.140	908.881	1423.531	1637.132	2570.384	2977.517	3219.789
70.0	243.706	245.140	250.874	338.322	673.776	1109.580	1343.251	2180.454	3074.999	3244.160
72.5	186.364	186.364	193.531	258.042	518.951	834.335	1043.636	1803.426	3013.356	3066.398
75.0	143.357	141.923	146.224	192.098	391.364	577.727	749.755	1341.818	2685.069	2597.622
77.5	100.350	98.916	103.217	130.455	278.112	381.329	503.182	868.741	2138.880	1856.468
80.0	60.210	58.776	61.643	77.413	174.895	242.273	292.447	577.727	1093.811	868.741
82.5	31.538	30.105	31.538	37.273	88.881	133.322	139.056	378.461	394.231	318.252
85.0	14.336	12.902	14.336	17.203	35.839	60.210	58.776	167.727	123.287	123.287
87.5	4.301	4.301	4.301	5.734	10.035	14.336	18.636	37.273	32.972	37.273
90.0	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>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	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321	2183.321
2.5	2187.622	2179.020	2173.286	2161.817	2156.083	2137.447	2127.412	2121.678	2117.377	2108.776
5.0	2233.496	2216.293	2201.957	2170.419	2143.181	2094.440	2061.468	2032.797	2011.293	1992.657
7.5	2296.573	2272.202	2247.831	2193.356	2143.181	2071.503	2015.594	1969.720	1932.447	1908.076
10.0	2359.650	2329.545	2296.573	2219.160	2148.915	2062.901	1992.657	1938.181	1892.307	1862.202
12.5	2412.692	2373.985	2335.279	2237.796	2154.650	2058.601	1989.790	1922.412	1855.034	1794.825
15.0	2455.699	2409.824	2356.782	2243.531	2146.048	2055.734	1982.622	1877.971	1767.587	1668.671
17.5	2488.671	2432.761	2366.817	2233.496	2127.412	2041.398	1939.615	1781.923	1615.629	1443.601
20.0	2511.608	2445.664	2366.817	2211.992	2103.041	2008.426	1855.034	1619.930	1328.916	1026.433
22.5	2531.678	2455.699	2369.685	2194.790	2084.405	1948.216	1724.580	1344.685	916.049	731.119
25.0	2556.048	2470.034	2372.552	2186.188	2060.034	1863.636	1519.580	953.321	736.853	712.482
27.5	2570.384	2478.636	2373.985	2181.887	2032.797	1751.818	1234.300	775.559	745.454	781.293

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**CANDELA TABULATION - (Cont.)**

30.0	2578.985	2481.503	2363.950	2170.419	1992.657	1604.160	934.685	762.657	811.398	861.573
32.5	2583.286	2474.335	2345.314	2150.349	1936.748	1413.496	822.867	802.797	875.909	918.916
35.0	2577.552	2457.132	2318.076	2128.845	1866.503	1215.664	821.433	835.769	891.678	891.678
37.5	2580.419	2442.796	2290.838	2097.307	1774.755	1016.398	812.832	832.902	841.503	847.237
40.0	2594.754	2441.363	2273.636	2057.167	1651.468	854.405	778.426	781.293	791.328	857.272
42.5	2619.125	2445.664	2260.734	2005.559	1512.412	731.119	696.713	736.853	830.035	1032.168
45.0	2656.398	2458.566	2256.433	1958.251	1344.685	622.168	610.699	696.713	980.559	1133.951
47.5	2706.573	2491.538	2273.636	1922.412	1194.160	513.217	526.119	814.265	1042.202	1169.790
50.0	2769.649	2528.810	2293.706	1895.174	1079.475	427.203	477.377	873.042	928.951	864.440
52.5	2815.524	2560.349	2315.209	1888.006	1027.867	375.594	493.147	650.839	490.280	447.273
55.0	2900.104	2623.426	2365.384	1902.342	1003.496	338.322	382.762	374.161	329.720	316.818
57.5	3009.055	2697.971	2399.789	1886.573	944.720	313.951	289.580	292.447	285.280	269.510
60.0	3029.125	2739.545	2441.363	1850.734	868.741	289.580	253.741	252.308	255.175	248.007
62.5	3069.265	2739.545	2425.594	1750.384	799.930	263.776	230.804	217.902	227.937	219.336
65.0	3163.880	2788.286	2421.293	1665.804	719.650	236.538	202.133	186.364	173.461	183.496
67.5	3305.803	2878.600	2494.405	1693.041	649.405	212.168	159.126	127.587	107.517	97.482
70.0	3367.446	2902.971	2511.608	1743.216	583.461	180.629	107.517	60.210	27.238	5.734
72.5	3161.013	2697.971	2322.377	1645.734	506.049	134.755	54.476	11.469	4.301	4.301
75.0	2514.475	2136.013	1827.797	1390.559	362.692	78.846	10.035	4.301	2.867	2.867
77.5	1439.300	1215.664	1022.133	974.825	176.329	22.937	2.867	2.867	1.434	1.434
80.0	530.419	444.405	338.322	401.398	57.343	4.301	1.434	1.434	1.434	1.434
82.5	192.098	156.259	124.720	107.517	15.769	1.434	1.434	1.434	1.434	0.000
85.0	73.112	63.077	51.608	30.105	2.867	1.434	1.434	1.434	1.434	1.434
87.5	21.503	20.070	17.203	4.301	1.434	1.434	1.434	1.434	1.434	1.434
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

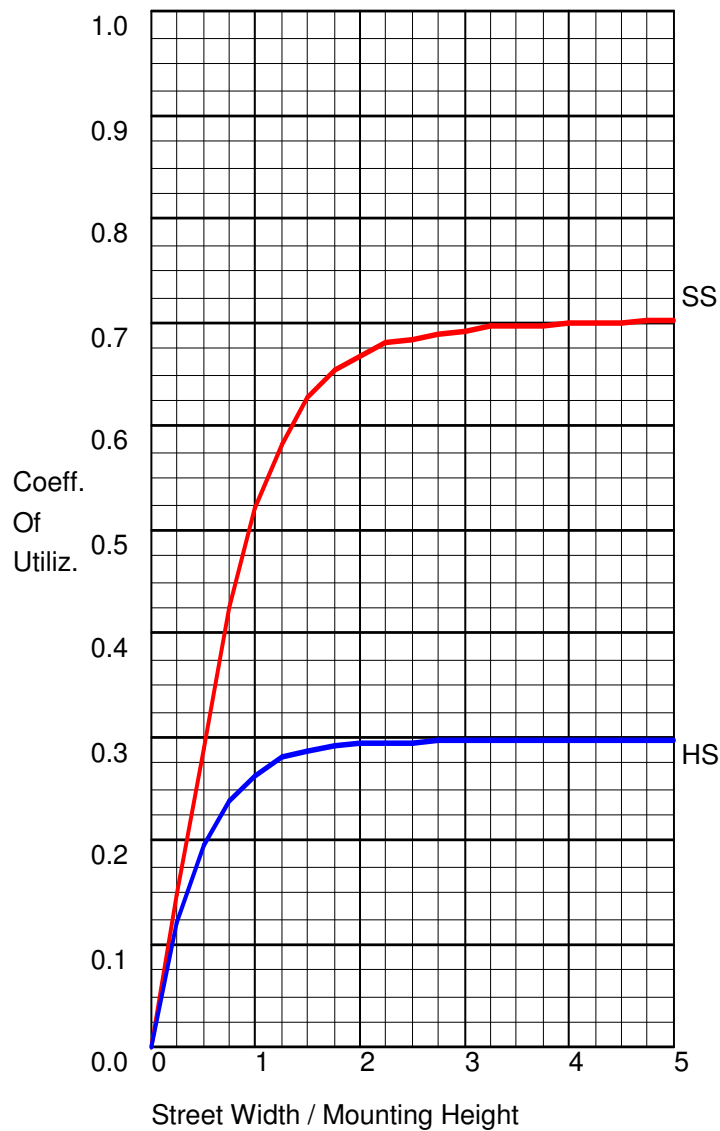
**Vert. Horizontal Angles**  
**Angles**

	<b>175.0</b>	<b>180.0</b>
0.0	2183.321	2183.321
2.5	2118.811	2115.943
5.0	1998.391	1998.391
7.5	1906.643	1919.545
10.0	1855.034	1870.804
12.5	1771.888	1790.524
15.0	1625.664	1625.664
17.5	1360.454	1338.951
20.0	906.014	875.909
22.5	696.713	698.147
25.0	716.783	716.783
27.5	795.629	795.629
30.0	877.342	877.342
32.5	927.517	927.517
35.0	888.811	885.944
37.5	851.538	850.105
40.0	951.888	949.021
42.5	1106.713	1105.279
45.0	1194.160	1192.727
47.5	1204.195	1214.230
50.0	791.328	817.133
52.5	441.538	454.440
55.0	311.084	315.385
57.5	262.343	262.343
60.0	243.706	242.273
62.5	230.804	232.238
65.0	216.468	222.203

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L85-730-T3-XXX-CGL-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

<b>67.5</b>	63.077	43.007
<b>70.0</b>	4.301	4.301
<b>72.5</b>	4.301	4.301
<b>75.0</b>	2.867	2.867
<b>77.5</b>	1.434	0.000
<b>80.0</b>	0.000	0.000
<b>82.5</b>	0.000	0.000
<b>85.0</b>	0.000	1.434
<b>87.5</b>	1.434	0.000
<b>90.0</b>	0.000	0.000

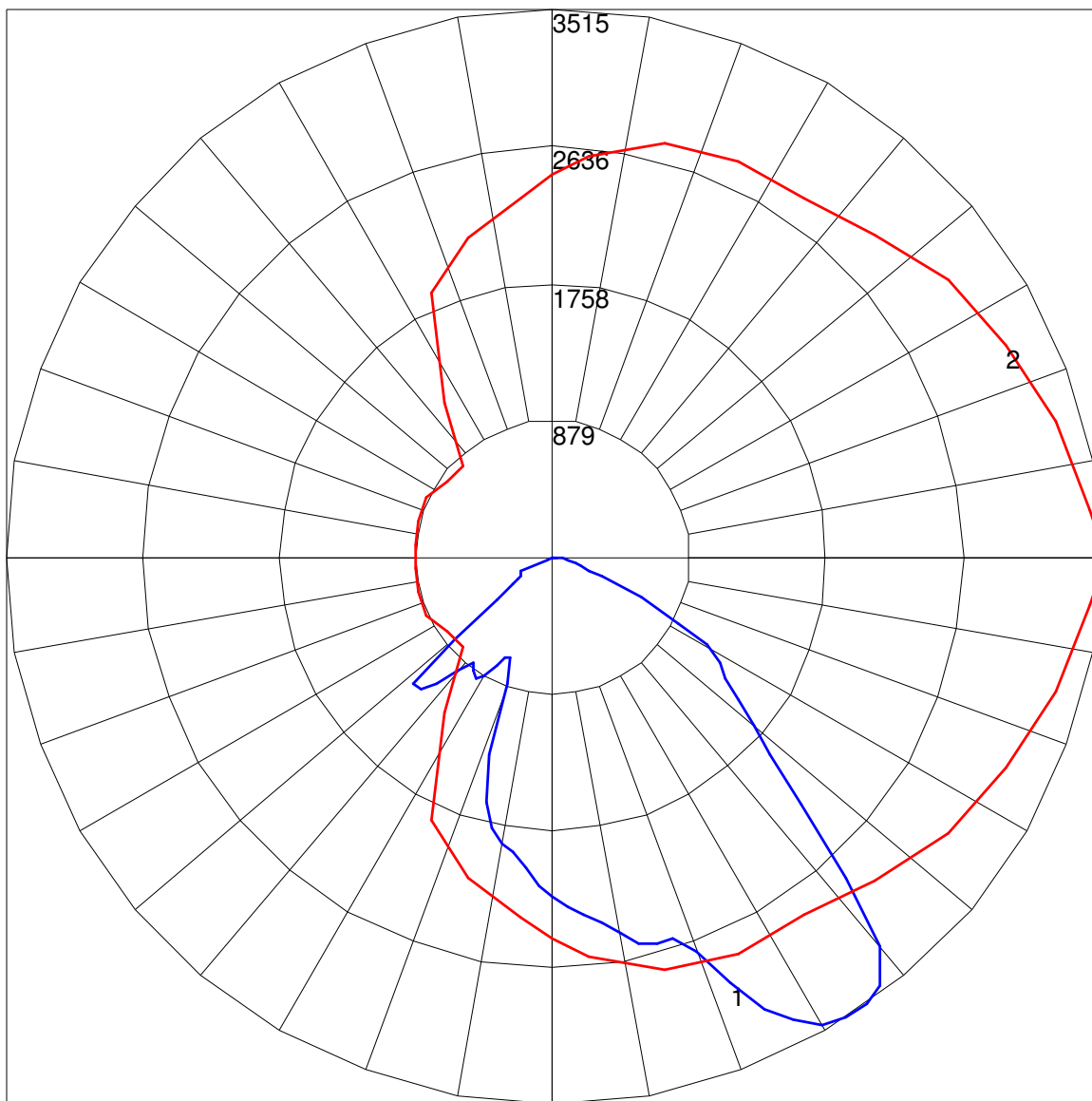
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

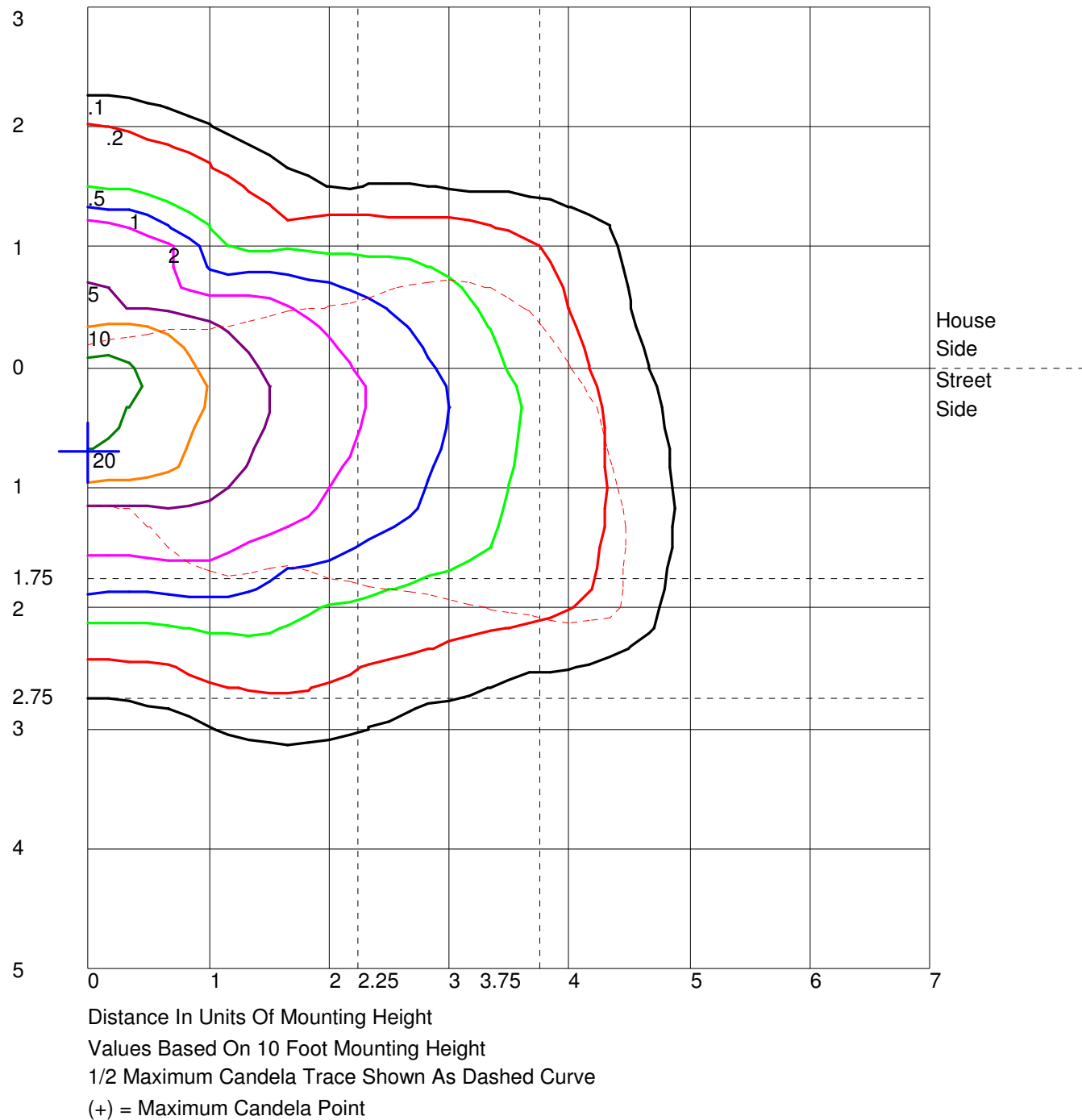
	Lumens	Percent Of Luminaire
Downward Street Side	5986.8	70.4
Downward House Side	2518.6	29.6
Downward Total	8505.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8505.4	100.0

POLAR GRAPH



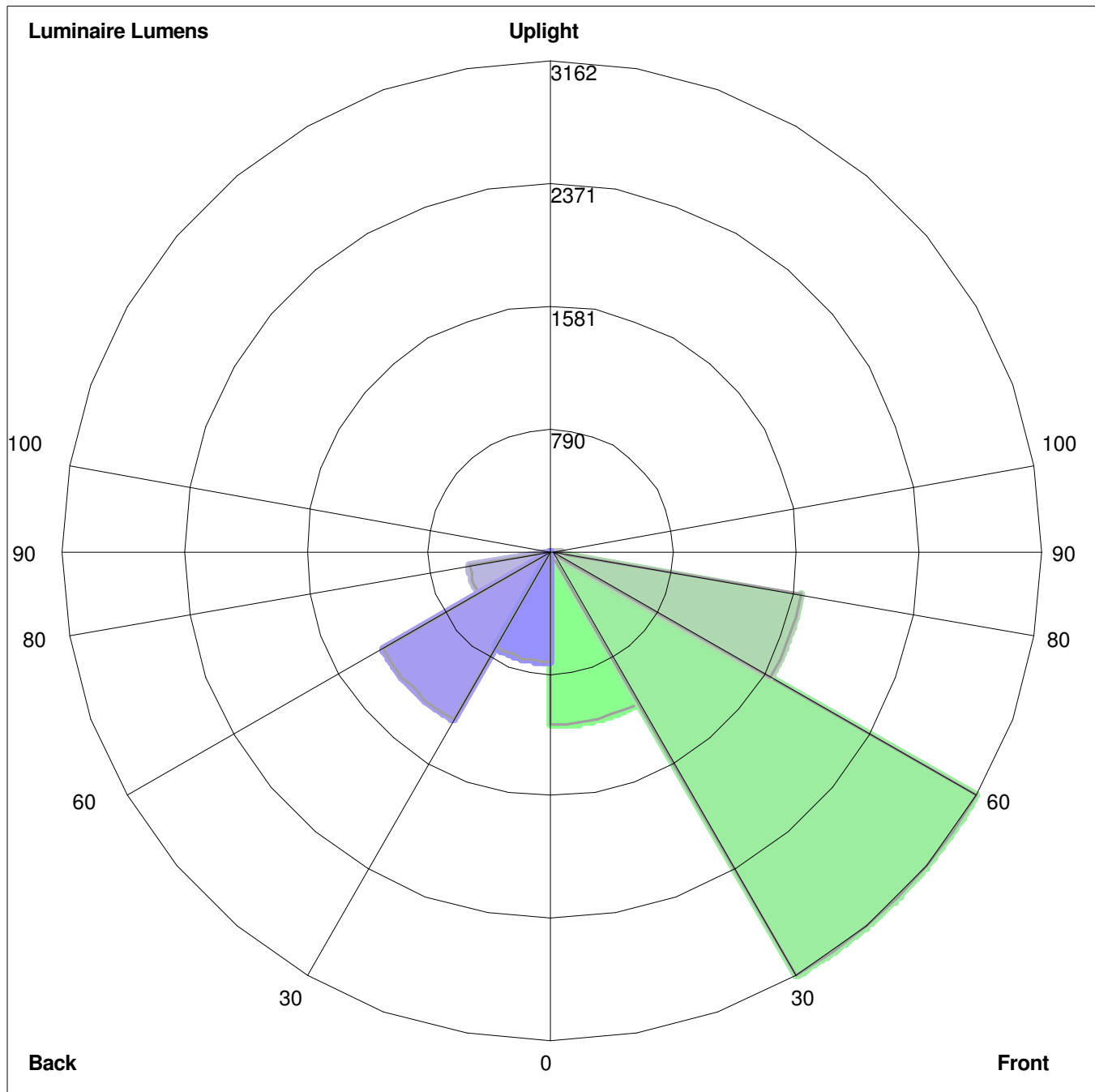
Maximum Candela = 3515.104 Located At Horizontal Angle = 0, Vertical Angle = 35  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1126.5, Medium=3161.8, High=1630.5, Very High=68.0  
Back: Low=714.4, Medium=1254.9, High=537.2, Very High=12.1  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2