



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-740-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-L85-740-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	8953
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3700.11
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	3700.11
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	1151.38 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1185.8	N.A.	13.2
FM - Front-Medium (30-60)	3328.2	N.A.	37.2
FH - Front-High (60-80)	1716.3	N.A.	19.2
FVH - Front-Very High (80-90)	71.6	N.A.	0.8
BL - Back-Low (0-30)	752.0	N.A.	8.4
BM - Back-Medium (30-60)	1321.0	N.A.	14.8
BH - Back-High (60-80)	565.4	N.A.	6.3
BVH - Back-Very High (80-90)	12.8	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	8953.1	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	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233
2.5	2372.175	2379.720	2391.792	2382.738	2381.229	2369.157	2357.085	2340.485	2337.467	2317.850
5.0	2438.571	2447.626	2458.189	2452.153	2450.644	2441.589	2429.517	2415.936	2411.409	2378.211
7.5	2491.387	2500.441	2506.477	2501.950	2498.932	2501.950	2495.914	2489.878	2489.878	2452.153
10.0	2583.437	2590.982	2594.000	2586.455	2577.401	2575.892	2565.329	2559.293	2568.347	2529.112
12.5	2681.523	2686.050	2686.050	2686.050	2684.541	2684.541	2660.397	2636.253	2642.289	2600.036
15.0	2701.140	2705.667	2707.176	2722.267	2747.920	2778.100	2766.028	2728.303	2711.704	2657.379
17.5	2711.704	2710.195	2711.704	2717.740	2747.920	2808.281	2836.952	2818.844	2773.573	2704.158
20.0	2846.006	2846.006	2846.006	2809.790	2784.136	2802.245	2855.060	2883.731	2832.425	2744.902
22.5	3117.629	3102.539	3088.958	2998.417	2901.840	2833.934	2836.952	2909.385	2879.204	2788.663
25.0	3369.635	3354.545	3331.910	3194.589	3045.196	2913.912	2833.934	2895.804	2915.421	2817.335
27.5	3532.609	3525.064	3505.446	3340.964	3159.882	3010.489	2874.677	2874.677	2936.547	2839.970
30.0	3648.803	3636.731	3609.569	3436.032	3244.387	3094.994	2941.074	2880.713	2950.128	2856.569
32.5	3697.092	3682.001	3644.276	3493.374	3324.364	3173.463	3013.507	2913.912	2953.146	2870.150
35.0	3700.110	3686.529	3651.821	3522.046	3390.761	3256.459	3085.940	2954.655	2962.200	2897.313
37.5	3647.294	3644.276	3611.078	3522.046	3461.685	3342.473	3155.355	2969.745	2974.272	2922.966
40.0	3436.032	3414.905	3392.270	3422.451	3487.338	3439.050	3226.278	2977.291	2987.854	2969.745
42.5	2935.038	2907.876	2894.295	3066.323	3422.451	3543.172	3310.783	2990.872	2989.363	3037.651
45.0	2369.157	2340.485	2335.958	2507.986	3137.246	3599.006	3389.252	3013.507	2995.399	3102.539
47.5	1984.357	1966.249	1966.249	2102.061	2572.874	3562.789	3470.739	3039.160	2999.926	3168.936
50.0	1767.059	1751.969	1751.969	1877.217	2255.980	3384.725	3562.789	3063.304	3015.016	3223.260
52.5	1585.977	1572.396	1575.414	1697.644	2133.750	2921.457	3577.879	3128.192	3073.868	3277.585
55.0	1432.057	1423.003	1433.566	1549.760	2047.736	2702.649	3429.996	3264.004	3129.701	3343.982
57.5	1330.953	1327.935	1332.462	1442.620	1967.758	2572.874	3066.323	3410.378	3197.607	3354.545
60.0	1195.141	1189.105	1183.069	1285.682	1839.492	2393.301	2732.830	3470.739	3205.152	3325.873
62.5	962.753	955.208	949.172	1051.785	1602.576	2144.313	2406.882	3375.671	3137.246	3291.166
65.0	654.913	650.386	644.350	771.108	1291.719	1824.402	2044.718	3135.737	3096.503	3337.946
67.5	354.619	356.128	369.709	473.831	956.717	1498.454	1723.297	2705.667	3134.228	3389.252
70.0	256.533	258.042	264.078	356.128	709.238	1167.979	1413.949	2295.215	3236.841	3414.905
72.5	196.172	196.172	203.717	271.623	546.264	878.248	1098.564	1898.343	3171.954	3227.787
75.0	150.902	149.393	153.920	202.208	411.962	608.134	789.216	1412.440	2826.389	2734.339
77.5	105.631	104.122	108.649	137.321	292.749	401.399	529.665	914.464	2251.453	1954.177
80.0	63.379	61.870	64.888	81.487	184.100	255.024	307.839	608.134	1151.380	914.464
82.5	33.198	31.689	33.198	39.234	93.559	140.339	146.375	398.380	414.980	335.002
85.0	15.090	13.581	15.090	18.108	37.725	63.379	61.870	176.555	129.775	129.775
87.5	4.527	4.527	4.527	6.036	10.563	15.090	19.617	39.234	34.707	39.234
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	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233	2298.233
2.5	2302.760	2293.706	2287.670	2275.598	2269.562	2249.944	2239.381	2233.345	2228.818	2219.764
5.0	2351.048	2332.940	2317.850	2284.652	2255.980	2204.674	2169.966	2139.786	2117.151	2097.534
7.5	2417.445	2391.792	2366.139	2308.796	2255.980	2180.530	2121.678	2073.389	2034.155	2008.502
10.0	2483.842	2452.153	2417.445	2335.958	2262.016	2171.475	2097.534	2040.191	1991.902	1960.213
12.5	2539.676	2498.932	2458.189	2355.576	2268.053	2166.948	2094.516	2023.592	1952.668	1889.289
15.0	2584.946	2536.658	2480.824	2361.612	2258.998	2163.930	2086.970	1976.812	1860.618	1756.496
17.5	2619.653	2560.802	2491.387	2351.048	2239.381	2148.840	2041.700	1875.708	1700.662	1519.580
20.0	2643.798	2574.383	2491.387	2328.413	2213.728	2114.133	1952.668	1705.189	1398.859	1080.456
22.5	2664.924	2584.946	2494.405	2310.305	2194.111	2050.754	1815.347	1415.458	964.262	769.599
25.0	2690.577	2600.036	2497.423	2301.251	2168.457	1961.722	1599.558	1003.496	775.635	749.981
27.5	2705.667	2609.090	2498.932	2296.724	2139.786	1844.019	1299.264	816.378	784.689	822.414

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CANDELA TABULATION - (Cont.)

30.0	2714.722	2612.108	2488.369	2284.652	2097.534	1688.590	983.879	802.797	854.104	906.919
32.5	2719.249	2604.563	2468.752	2263.525	2038.682	1487.891	866.176	845.050	922.009	967.280
35.0	2713.213	2586.455	2440.080	2240.890	1964.740	1279.646	864.667	879.757	938.609	938.609
37.5	2716.231	2571.365	2411.409	2207.692	1868.163	1069.893	855.613	876.739	885.793	891.829
40.0	2731.321	2569.856	2393.301	2165.439	1738.388	899.374	819.396	822.414	832.977	902.392
42.5	2756.974	2574.383	2379.720	2111.115	1592.013	769.599	733.382	775.635	873.721	1086.492
45.0	2796.208	2587.964	2375.193	2061.317	1415.458	654.913	642.841	733.382	1032.168	1193.632
47.5	2849.024	2622.672	2393.301	2023.592	1257.011	540.228	553.809	857.122	1097.055	1231.358
50.0	2915.421	2661.906	2414.427	1994.920	1136.290	449.687	502.503	918.991	977.843	909.937
52.5	2963.709	2695.104	2437.062	1987.375	1081.965	395.362	519.102	685.094	516.084	470.813
55.0	3052.741	2761.501	2489.878	2002.466	1056.312	356.128	402.908	393.853	347.074	333.493
57.5	3167.427	2839.970	2526.094	1985.866	994.442	330.475	304.821	307.839	300.294	283.695
60.0	3188.553	2883.731	2569.856	1948.141	914.464	304.821	267.096	265.587	268.605	261.060
62.5	3230.805	2883.731	2553.257	1842.510	842.031	277.659	242.952	229.371	239.934	230.880
65.0	3330.400	2935.038	2548.730	1753.478	757.527	248.988	212.771	196.172	182.591	193.154
67.5	3479.793	3030.106	2625.690	1782.149	683.585	223.335	167.501	134.303	113.176	102.613
70.0	3544.681	3055.759	2643.798	1834.965	614.170	190.136	113.176	63.379	28.671	6.036
72.5	3327.382	2839.970	2444.608	1732.352	532.683	141.848	57.343	12.072	4.527	4.527
75.0	2646.816	2248.435	1923.997	1463.746	381.781	82.996	10.563	4.527	3.018	3.018
77.5	1515.053	1279.646	1075.929	1026.132	185.609	24.144	3.018	3.018	1.509	1.509
80.0	558.336	467.795	356.128	422.525	60.361	4.527	1.509	1.509	1.509	1.509
82.5	202.208	164.483	131.284	113.176	16.599	1.509	1.509	1.509	1.509	0.000
85.0	76.960	66.397	54.325	31.689	3.018	1.509	1.509	1.509	1.509	1.509
87.5	22.635	21.126	18.108	4.527	1.509	1.509	1.509	1.509	1.509	1.509
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

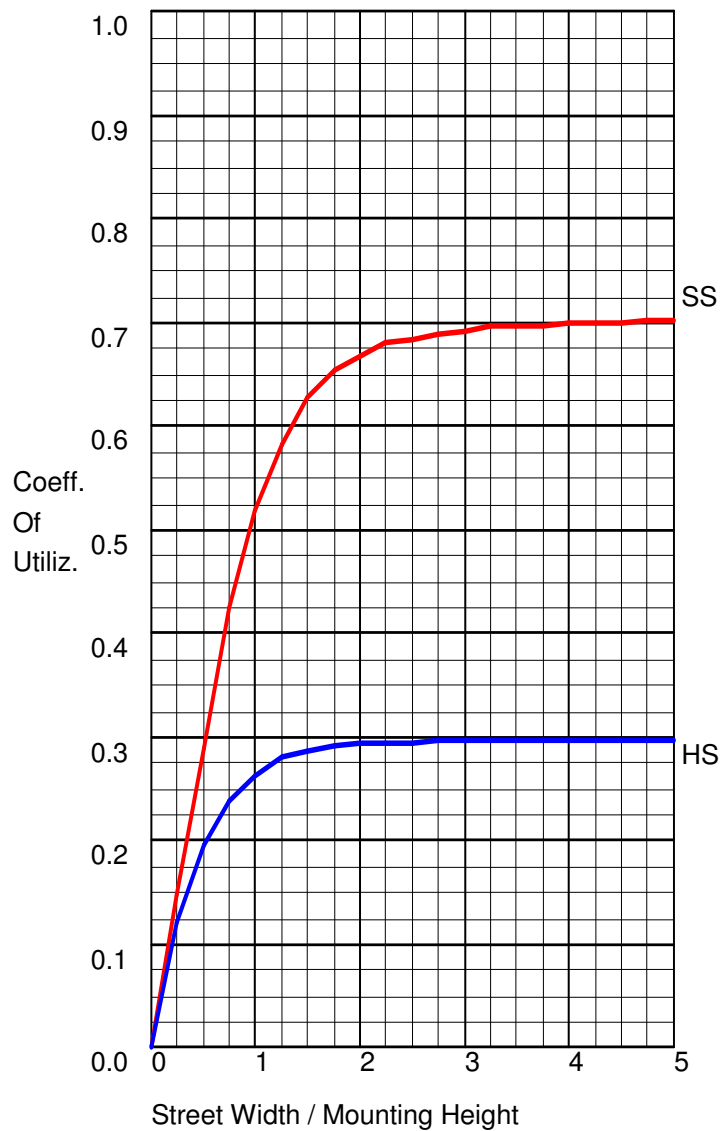
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	2298.233	2298.233
2.5	2230.327	2227.309
5.0	2103.570	2103.570
7.5	2006.993	2020.574
10.0	1952.668	1969.267
12.5	1865.145	1884.762
15.0	1711.225	1711.225
17.5	1432.057	1409.422
20.0	953.699	922.009
22.5	733.382	734.891
25.0	754.508	754.508
27.5	837.504	837.504
30.0	923.518	923.518
32.5	976.334	976.334
35.0	935.591	932.573
37.5	896.356	894.847
40.0	1001.987	998.969
42.5	1164.961	1163.452
45.0	1257.011	1255.502
47.5	1267.574	1278.137
50.0	832.977	860.140
52.5	464.777	478.358
55.0	327.457	331.984
57.5	276.150	276.150
60.0	256.533	255.024
62.5	242.952	244.461
65.0	227.862	233.898

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67.5	66.397	45.271
70.0	4.527	4.527
72.5	4.527	4.527
75.0	3.018	3.018
77.5	1.509	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.509
87.5	1.509	0.000
90.0	0.000	0.000

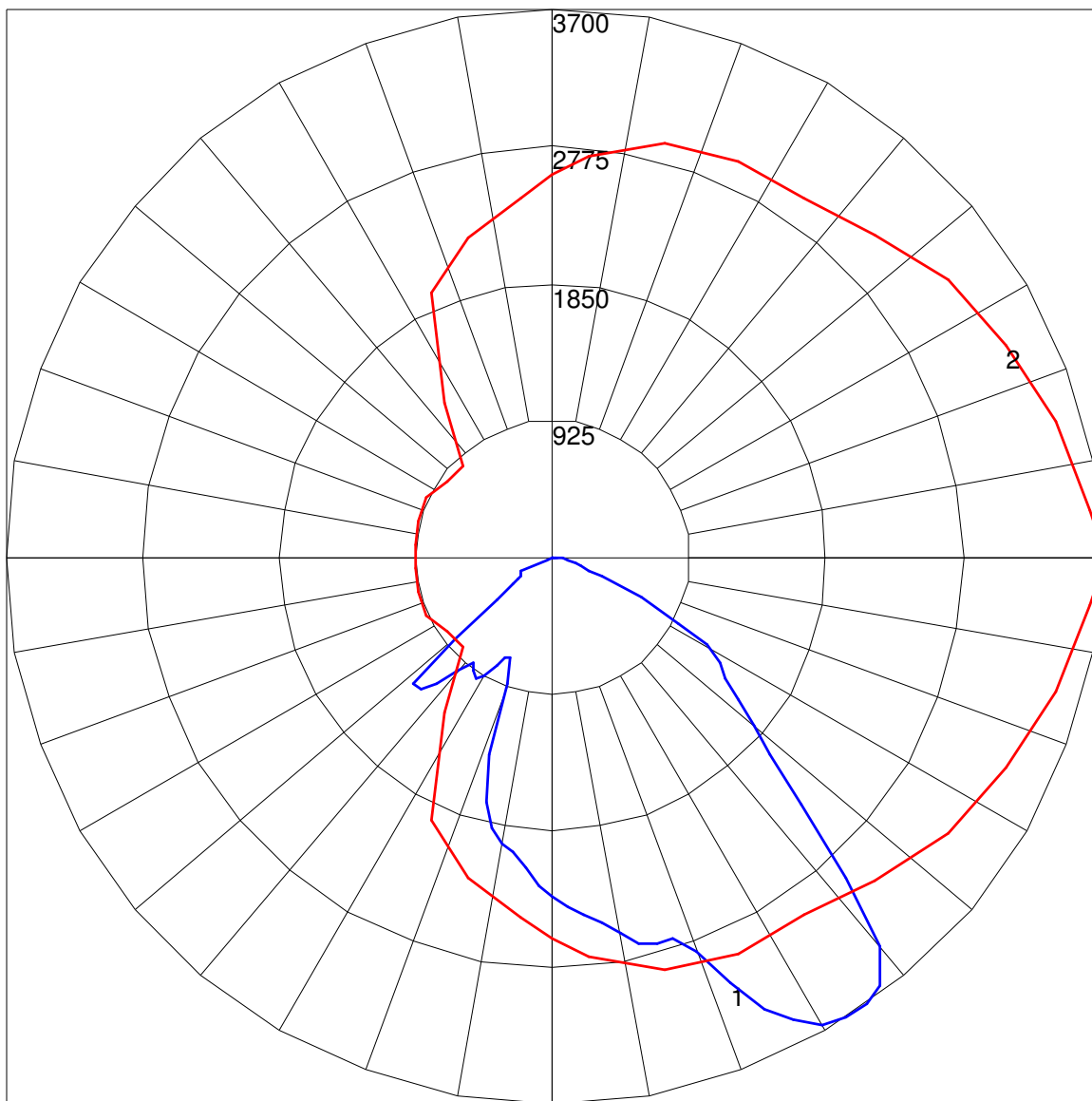
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

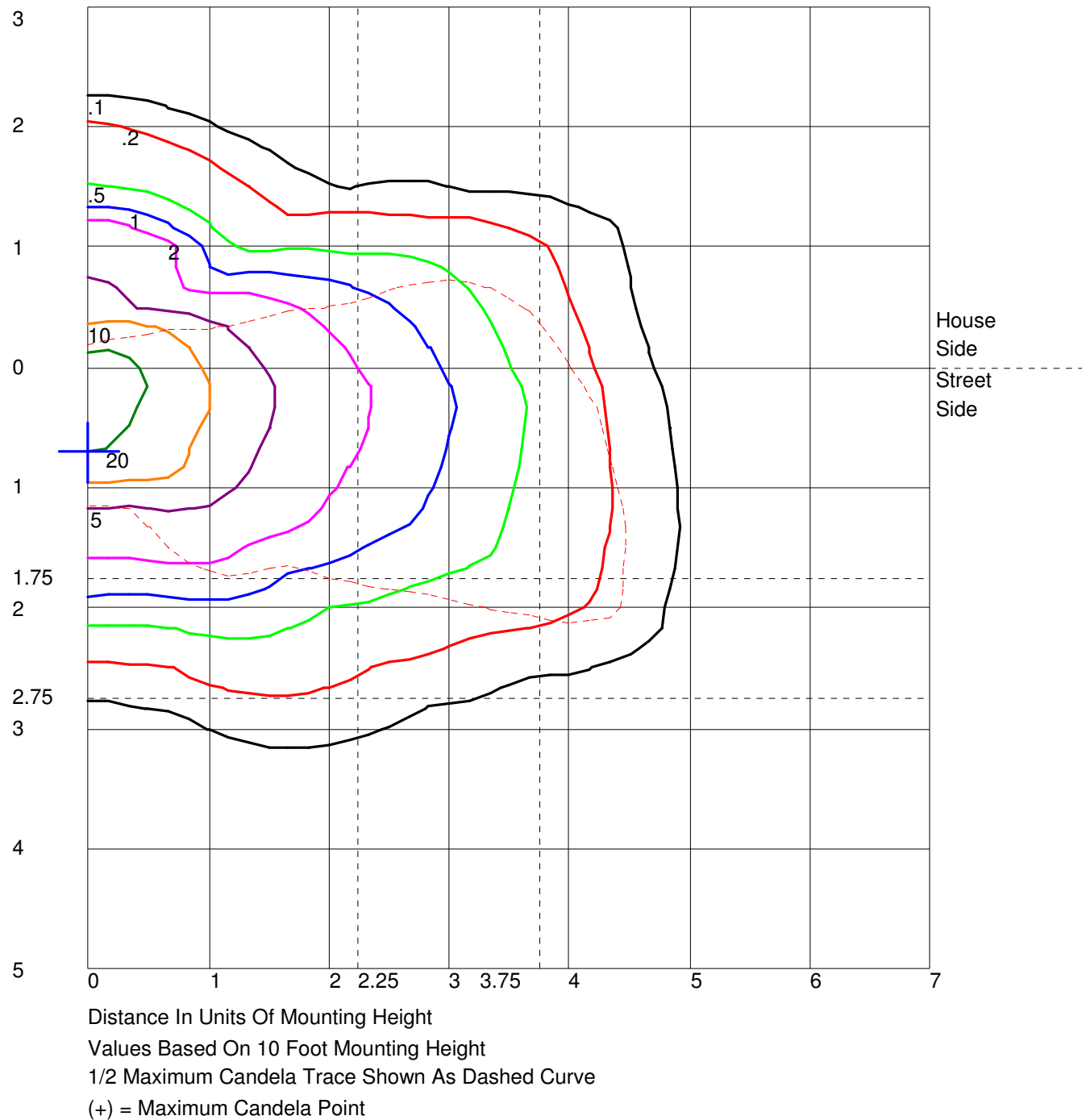
	Lumens	Percent Of Luminaire
Downward Street Side	6301.9	70.4
Downward House Side	2651.2	29.6
Downward Total	8953.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8953.1	100.0

POLAR GRAPH

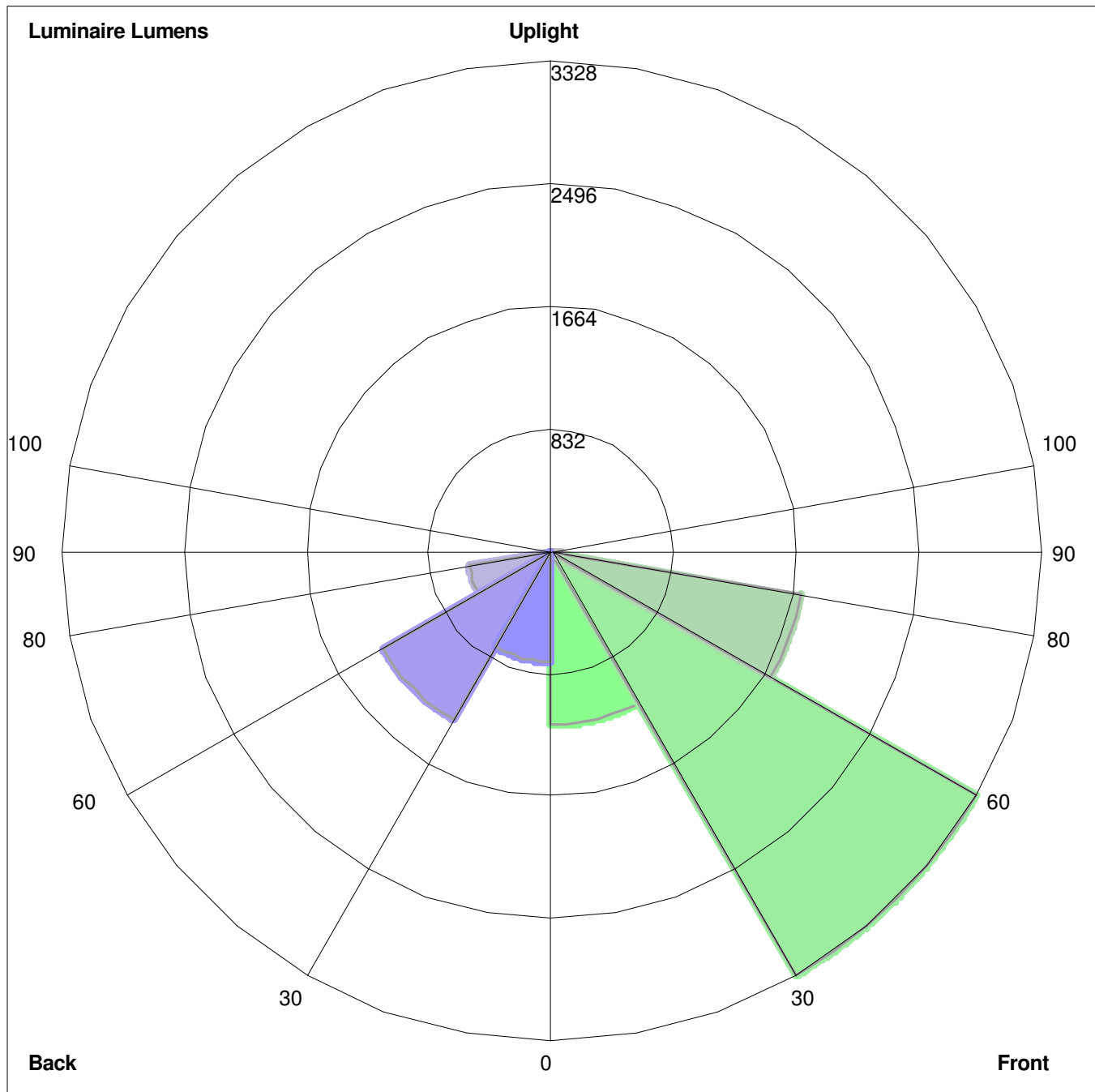


Maximum Candela = 3700.11 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1185.8, Medium=3328.2, High=1716.3, Very High=71.6
Back: Low=752.0, Medium= 1321.0, High=565.4, Very High=12.8
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2