



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-850-T2-XXX-CGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14773930.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 2024-01-31
[TEST DATE] 4/25/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L85-850-T2-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 white LEDs
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER
[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	8396
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	4743.171
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	4743.171
Maximum Candela Angle (<90 Degrees Vertical)	60H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	311.415 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-850-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1350.0	N.A.	16.1
FM - Front-Medium (30-60)	3346.7	N.A.	39.9
FH - Front-High (60-80)	1293.7	N.A.	15.4
FVH - Front-Very High (80-90)	22.3	N.A.	0.3
BL - Back-Low (0-30)	751.9	N.A.	9.0
BM - Back-Medium (30-60)	1144.1	N.A.	13.6
BH - Back-High (60-80)	484.0	N.A.	5.8
BVH - Back-Very High (80-90)	2.9	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	8395.6	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	60.0	62.5	65.0
0.0	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396
2.5	2523.959	2545.350	2531.043	2507.430	2506.319	2518.264	2497.707	2479.789	2466.593	2462.148
5.0	2632.024	2654.942	2636.330	2604.521	2595.076	2591.881	2553.267	2525.904	2507.013	2498.263
7.5	2760.645	2786.342	2760.645	2712.725	2683.834	2662.304	2605.077	2570.907	2546.183	2532.849
10.0	3007.749	3028.862	2989.692	2905.657	2823.984	2752.173	2654.109	2607.160	2575.769	2557.434
12.5	3255.131	3280.411	3230.129	3126.787	3019.278	2896.490	2716.336	2643.275	2601.743	2574.102
15.0	3528.765	3554.600	3490.289	3350.278	3203.043	3050.947	2816.900	2700.502	2641.191	2598.965
17.5	3801.843	3838.513	3759.478	3593.492	3405.421	3201.238	2933.021	2790.926	2709.947	2648.553
20.0	4057.836	4110.341	4017.694	3828.095	3602.104	3362.084	3040.808	2889.406	2800.232	2722.448
22.5	4232.017	4301.329	4209.793	4022.833	3785.314	3515.986	3155.539	2984.275	2890.517	2805.649
25.0	4267.854	4342.165	4272.576	4138.260	3929.631	3666.971	3286.383	3100.535	2996.776	2904.130
27.5	4132.009	4219.655	4195.625	4131.037	4018.805	3808.788	3426.951	3242.491	3131.232	3026.501
30.0	3927.825	4017.277	3991.997	3983.663	4004.082	3921.714	3585.992	3408.060	3286.106	3172.485
32.5	3779.897	3870.321	3822.956	3797.398	3921.158	4022.417	3787.536	3595.298	3470.982	3350.972
35.0	3652.664	3734.059	3675.860	3642.524	3805.176	4117.841	4029.084	3845.319	3692.667	3566.129
37.5	3421.950	3500.985	3499.179	3501.679	3721.836	4192.292	4309.524	4133.120	3975.607	3807.121
40.0	2954.134	3021.639	3138.732	3310.969	3648.497	4205.626	4545.654	4422.867	4268.965	4086.728
42.5	2310.886	2362.557	2589.381	2976.080	3502.096	4112.980	4654.275	4652.608	4527.042	4363.139
45.0	1712.364	1765.563	2006.277	2498.957	3212.488	3878.794	4613.299	4743.171	4661.358	4527.181
47.5	1021.196	1096.063	1407.339	1969.608	2798.149	3615.161	4457.869	4625.105	4610.660	4537.043
50.0	658.249	693.946	896.880	1448.037	2380.614	3407.366	4294.523	4451.758	4475.926	4428.284
52.5	326.694	340.723	530.877	990.360	1972.247	3197.209	4035.473	4249.797	4318.136	4312.302
55.0	276.690	275.856	297.664	616.301	1569.297	2929.965	3681.694	3953.522	4048.530	4030.195
57.5	245.159	243.770	248.910	369.336	1180.653	2629.523	3473.343	3835.179	3919.491	3912.130
60.0	220.296	218.074	221.685	254.882	826.735	2353.528	3656.275	4045.474	4156.872	4196.876
62.5	202.656	199.322	200.017	214.740	574.770	2060.587	3794.064	4374.668	4587.463	4707.612
65.0	187.099	184.182	181.682	192.933	421.424	1680.278	3495.151	4294.106	4589.825	4731.920
67.5	170.014	168.625	165.708	175.987	337.945	1440.119	2949.689	3669.193	3857.264	3931.159
70.0	149.735	149.179	148.901	160.430	269.606	1164.819	2446.869	3046.919	3150.400	3118.314
72.5	126.399	126.260	127.788	146.123	223.074	961.330	1749.173	2071.144	2153.234	2143.233
75.0	99.869	100.842	104.036	133.205	182.376	697.975	992.721	1189.126	1299.969	1310.525
77.5	70.006	72.228	77.368	107.509	137.095	368.364	581.298	589.493	578.937	554.213
80.0	38.198	41.670	45.004	71.256	97.369	168.347	311.415	233.908	187.654	160.569
82.5	22.085	23.613	25.141	42.365	63.755	85.424	139.873	111.398	94.036	83.201
85.0	11.251	11.807	12.084	21.668	38.753	51.671	50.838	47.365	43.059	40.976
87.5	4.445	4.862	4.862	7.917	13.473	18.057	13.473	15.279	15.140	14.862
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	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>67.5</u>	<u>70.0</u>	<u>72.5</u>	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396
2.5	2448.536	2437.146	2443.675	2435.341	2422.006	2411.450	2400.477	2407.283	2412.422	2407.977
5.0	2478.261	2464.093	2465.482	2451.314	2434.368	2418.534	2402.560	2404.366	2405.060	2397.282
7.5	2509.097	2487.151	2485.067	2466.038	2443.397	2423.534	2401.310	2399.921	2395.476	2383.253
10.0	2527.293	2502.985	2497.012	2473.261	2445.619	2418.673	2394.504	2387.142	2378.114	2361.029
12.5	2539.099	2510.208	2498.540	2470.066	2439.647	2408.533	2379.086	2367.835	2355.195	2333.527
15.0	2549.517	2513.542	2498.818	2464.788	2430.618	2395.337	2360.196	2345.750	2327.971	2304.080
17.5	2578.408	2528.821	2503.680	2463.399	2425.340	2385.475	2347.556	2327.693	2305.886	2278.661
20.0	2627.718	2558.545	2516.320	2467.843	2422.006	2377.419	2334.082	2312.414	2287.967	2256.576
22.5	2695.918	2603.549	2539.655	2476.733	2423.534	2371.308	2324.081	2298.385	2270.327	2236.296
25.0	2785.648	2678.694	2587.992	2503.680	2438.119	2376.586	2322.554	2294.635	2261.576	2225.184
27.5	2895.379	2780.091	2668.416	2555.212	2470.483	2398.393	2335.610	2302.969	2267.410	2226.573
30.0	3027.751	2901.768	2774.535	2634.107	2524.654	2435.757	2363.807	2325.887	2286.301	2242.547
32.5	3193.598	3056.642	2911.769	2749.950	2612.578	2497.568	2411.172	2367.835	2323.387	2275.605
35.0	3393.059	3239.296	3077.061	2894.268	2730.782	2581.047	2477.983	2425.757	2374.225	2322.415
37.5	3609.327	3434.729	3253.464	3047.336	2858.154	2668.971	2541.322	2474.094	2415.478	2359.084
40.0	3837.262	3633.496	3416.811	3186.514	2972.746	2753.006	2589.659	2502.430	2436.313	2374.641
42.5	4095.339	3842.541	3583.075	3319.858	3076.644	2832.735	2638.691	2528.682	2452.148	2388.253
45.0	4311.607	4031.584	3730.448	3439.868	3177.069	2915.797	2703.280	2570.907	2483.956	2414.783
47.5	4374.112	4141.177	3821.706	3501.818	3245.408	2994.693	2778.564	2633.413	2540.766	2469.093
50.0	4333.276	4146.177	3821.428	3503.346	3256.103	3038.307	2852.736	2712.725	2634.385	2573.685
52.5	4219.100	4008.249	3662.387	3415.422	3244.574	3099.979	2996.082	2919.686	2890.378	2861.765
55.0	3926.992	3746.977	3532.515	3392.503	3344.305	3299.857	3278.883	3260.826	3259.437	3234.990
57.5	3823.511	3749.755	3688.500	3640.441	3629.884	3619.467	3611.271	3574.324	3524.320	3451.536
60.0	4161.317	4172.012	4145.621	4071.726	3990.747	3937.271	3831.706	3720.308	3619.606	3508.068
62.5	4729.836	4736.087	4645.663	4457.036	4245.630	4056.169	3891.017	3718.225	3519.597	3330.415
65.0	4726.364	4630.939	4446.202	4222.572	3969.773	3770.868	3610.994	3458.898	3254.159	3065.810
67.5	3929.909	3813.649	3642.941	3469.454	3282.772	3097.062	2957.328	2845.236	2703.835	2578.408
70.0	3040.808	2907.463	2753.145	2597.576	2455.898	2290.468	2154.484	2057.115	1935.716	1839.041
72.5	2070.033	1948.912	1825.707	1720.837	1619.162	1509.014	1409.006	1343.306	1251.493	1190.515
75.0	1258.715	1157.735	1060.921	979.803	896.046	791.177	684.501	631.441	575.464	544.351
77.5	505.736	421.146	345.167	268.356	207.100	168.208	142.373	133.344	124.594	120.427

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CANDELA TABULATION - (Cont.)

80.0	141.401	129.594	121.816	111.537	101.258	90.980	81.812	76.395	71.812	69.033
82.5	79.312	74.867	69.172	64.311	58.477	51.254	45.420	41.948	39.726	38.198
85.0	39.309	37.086	34.725	32.642	29.308	25.280	21.668	19.585	18.057	17.085
87.5	14.446	14.029	13.751	12.501	10.973	9.167	7.778	6.945	6.251	5.834
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>
0.0	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396
2.5	2403.116	2390.615	2375.058	2378.392	2378.947	2384.920	2384.642	2372.141	2377.280	2383.809
5.0	2389.781	2371.585	2353.112	2352.556	2353.251	2355.612	2353.251	2339.499	2345.333	2351.445
7.5	2371.724	2350.195	2330.749	2329.637	2325.332	2326.998	2325.609	2310.469	2314.775	2317.692
10.0	2348.389	2324.220	2303.246	2298.246	2295.607	2295.468	2293.523	2276.439	2277.828	2279.494
12.5	2316.442	2292.412	2269.633	2264.077	2257.965	2257.548	2252.826	2232.546	2230.185	2225.184
15.0	2284.912	2259.215	2235.185	2227.268	2220.184	2216.989	2205.599	2183.792	2176.430	2163.374
17.5	2256.854	2229.907	2205.183	2194.904	2184.903	2178.375	2160.874	2133.927	2120.176	2099.618
20.0	2231.157	2202.405	2176.569	2164.346	2149.345	2138.094	2114.897	2081.839	2059.754	2032.391
22.5	2209.072	2178.792	2150.456	2133.510	2112.536	2096.285	2065.171	2027.112	1999.749	1970.997
25.0	2196.293	2162.679	2130.038	2106.980	2081.145	2056.698	2017.806	1977.108	1948.078	1918.909

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-850-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.5	2196.015	2157.957	2121.565	2090.312	2057.115	2026.696	1980.859	1936.827	1904.047	1880.156
30.0	2208.655	2166.707	2124.759	2086.562	2047.114	2007.944	1955.301	1909.880	1877.378	1849.320
32.5	2239.074	2191.015	2145.039	2099.480	2051.837	2005.722	1947.245	1902.102	1862.515	1825.012
35.0	2282.134	2228.518	2177.542	2123.787	2067.394	2015.723	1955.718	1905.991	1856.682	1808.761
37.5	2315.886	2258.659	2202.405	2144.205	2082.811	2028.224	1964.052	1909.047	1850.570	1791.954
40.0	2330.749	2268.244	2208.377	2144.205	2081.561	2024.751	1956.968	1895.713	1829.457	1761.952
42.5	2339.222	2271.299	2205.877	2136.844	2071.699	2013.500	1938.077	1870.988	1802.233	1721.393
45.0	2363.946	2290.468	2218.100	2142.816	2073.366	2010.583	1926.132	1852.515	1775.286	1676.528
47.5	2413.117	2334.777	2254.909	2167.263	2093.229	2022.390	1929.465	1848.348	1754.868	1631.107
50.0	2528.682	2459.509	2387.281	2302.691	2227.824	2159.207	2053.781	1952.662	1839.319	1682.501
52.5	2839.958	2787.175	2725.504	2636.607	2547.017	2478.678	2353.806	2235.463	2088.368	1872.516
55.0	3202.488	3130.398	3042.058	2942.883	2844.125	2756.617	2605.910	2455.065	2240.186	1905.991
57.5	3386.670	3290.412	3188.181	3074.144	2954.828	2831.346	2638.413	2401.588	2084.756	1688.473
60.0	3384.586	3240.963	3104.841	2952.189	2813.983	2643.275	2415.756	2158.512	1834.874	1434.424
62.5	3145.261	2952.745	2807.872	2677.583	2566.185	2427.007	2234.074	1990.026	1659.304	1250.659
65.0	2896.907	2718.003	2590.215	2487.845	2397.421	2281.300	2113.786	1872.655	1525.404	1130.094
67.5	2489.651	2347.139	2245.047	2181.431	2139.900	2066.421	1946.411	1719.726	1398.033	1045.364
70.0	1792.649	1697.780	1632.913	1607.494	1622.357	1587.354	1553.045	1401.783	1148.429	869.516
72.5	1156.068	1092.729	1046.476	1024.390	1040.920	1028.557	1040.642	940.495	763.258	561.574
75.0	538.517	501.153	481.984	487.818	524.488	516.848	529.072	462.955	328.777	215.296
77.5	120.843	114.871	112.370	113.759	120.843	124.038	142.095	133.900	102.647	75.284
80.0	68.478	66.533	65.978	64.589	63.894	59.449	51.115	38.614	29.308	22.363
82.5	38.059	37.920	37.781	37.225	35.836	28.613	18.057	12.918	8.751	5.973
85.0	17.640	17.640	17.501	16.946	14.168	9.029	6.112	4.306	3.056	2.084
87.5	6.112	5.834	5.556	4.723	3.334	2.500	1.945	1.667	1.389	1.250
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : VWPX-L85-850-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

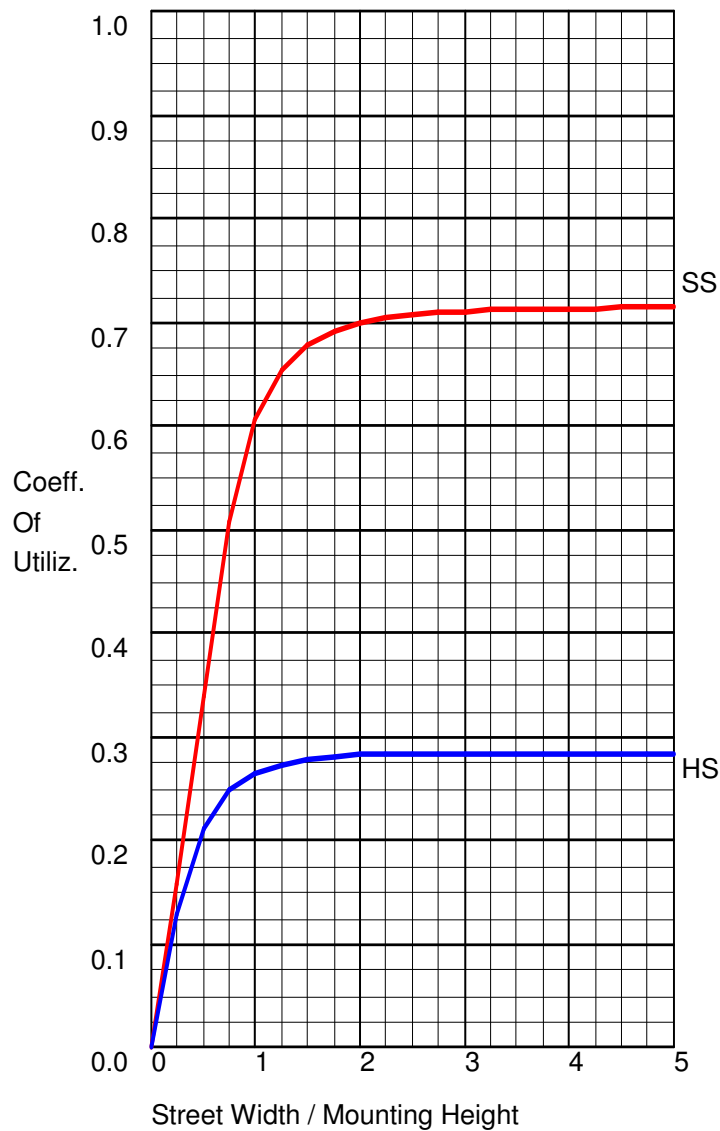
Vert. Horizontal Angles

	<u>117.5</u>	<u>120.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396	2428.396
2.5	2381.170	2386.864	2393.254	2392.976	2369.780	2361.723	2377.975	2390.893	2366.724
5.0	2347.833	2349.778	2354.223	2351.584	2321.442	2303.941	2313.386	2321.859	2302.969
7.5	2314.636	2314.914	2312.831	2296.718	2250.603	2217.545	2212.683	2212.961	2196.154
10.0	2270.744	2265.604	2256.437	2217.267	2151.567	2105.869	2100.730	2104.758	2089.062
12.5	2213.100	2202.683	2178.653	2115.731	2053.087	2035.724	2064.477	2087.256	2075.172
15.0	2146.845	2128.649	2090.868	2031.696	2014.750	2020.029	2019.195	2016.000	2005.444
17.5	2076.700	2053.642	2013.361	1994.471	1982.248	1925.715	1883.073	1859.737	1851.403
20.0	2008.083	1984.887	1960.024	1959.329	1880.850	1770.286	1682.223	1610.689	1605.966
22.5	1947.384	1932.382	1921.965	1877.933	1731.116	1517.626	1204.683	978.137	971.330
25.0	1900.713	1890.851	1874.322	1757.785	1501.513	997.722	704.920	597.411	595.327
27.5	1862.099	1847.098	1807.928	1602.494	1101.063	621.996	450.593	391.282	389.616
30.0	1823.762	1800.566	1724.587	1364.141	703.669	418.229	337.111	320.860	322.249
32.5	1788.898	1751.117	1628.607	1059.810	483.234	327.249	303.636	297.802	299.886
35.0	1760.146	1699.307	1510.403	752.840	361.697	296.552	286.274	282.801	284.329
37.5	1727.504	1643.192	1359.974	529.488	307.664	279.468	272.939	271.134	271.134
40.0	1680.139	1565.963	1194.127	408.367	280.857	265.578	262.105	260.299	258.910
42.5	1619.023	1463.177	1030.085	338.778	262.938	254.049	251.965	249.743	246.687
45.0	1546.378	1351.501	869.794	297.664	250.021	245.298	242.520	239.186	235.853
47.5	1467.205	1245.242	725.338	270.717	239.048	236.131	232.519	228.769	225.158
50.0	1479.706	1222.046	674.917	257.521	229.047	224.602	219.879	216.962	213.629
52.5	1617.495	1297.469	649.915	246.132	221.546	210.712	208.073	207.100	204.461
55.0	1543.739	1154.401	518.793	234.881	212.657	199.600	197.239	199.600	197.655
57.5	1316.915	952.579	420.590	221.824	200.294	188.905	186.960	191.544	190.294
60.0	1096.619	784.926	352.946	203.906	185.432	176.820	174.737	181.682	182.237
62.5	943.828	674.639	308.359	181.543	165.847	159.319	148.207	154.041	156.819
65.0	843.403	592.271	266.967	156.263	140.567	114.176	91.813	80.284	82.924
67.5	784.509	543.378	235.019	127.511	95.563	55.699	32.780	20.418	23.474
70.0	674.361	494.624	210.573	83.757	41.670	13.334	4.028	3.334	3.195
72.5	425.730	309.192	138.345	41.531	8.056	2.778	2.500	2.500	2.500
75.0	171.959	121.399	65.700	6.945	2.361	1.667	1.250	1.111	1.250
77.5	57.921	44.448	14.862	2.084	1.250	0.695	0.417	0.417	0.417
80.0	15.696	8.473	2.500	1.111	0.556	0.278	0.278	0.278	0.278
82.5	4.028	2.500	1.250	0.556	0.417	0.278	0.278	0.278	0.278
85.0	1.528	1.250	0.833	0.417	0.278	0.278	0.139	0.278	0.278
87.5	0.972	0.833	0.695	0.417	0.278	0.278	0.139	0.278	0.278
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-850-T2-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

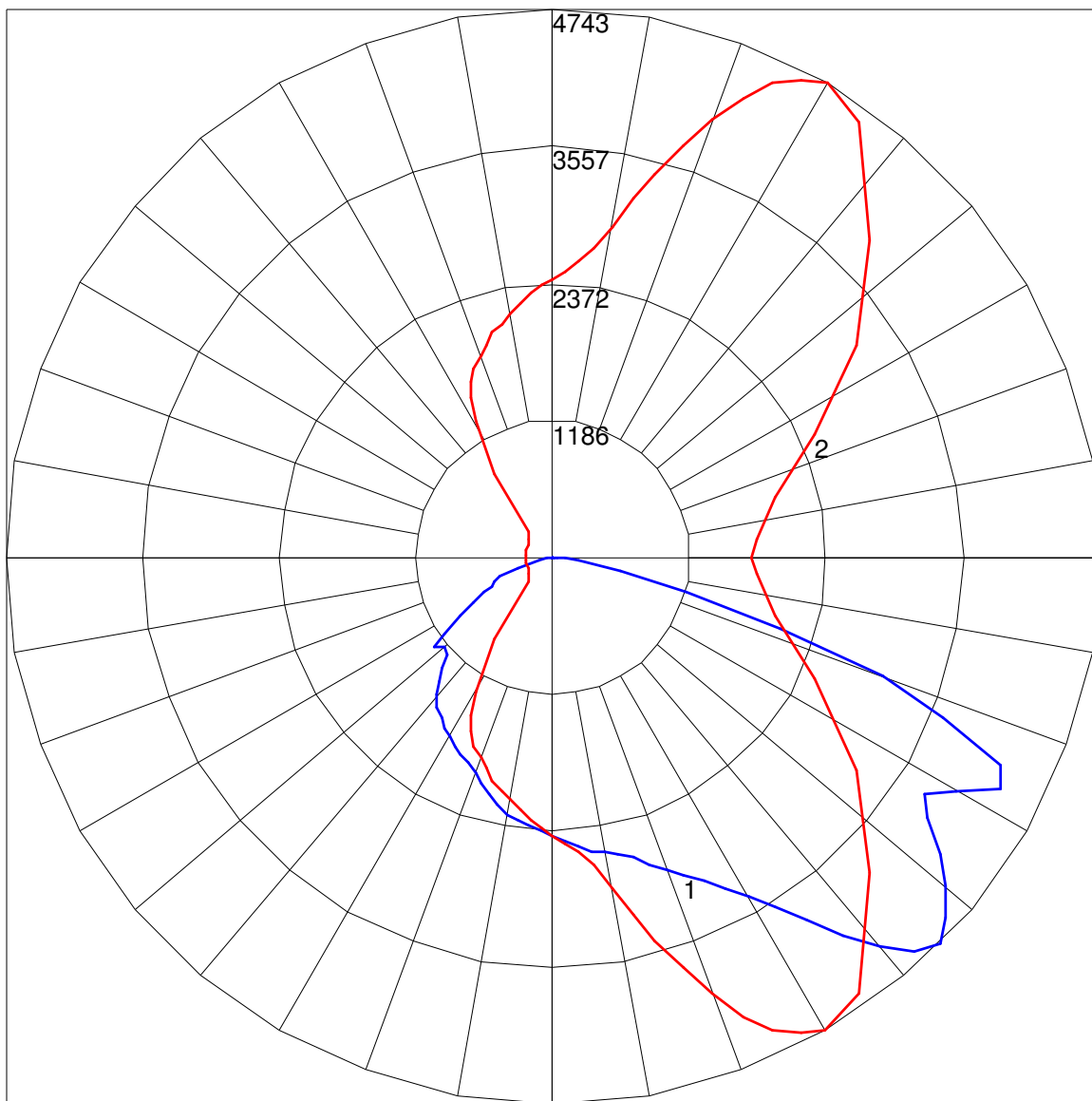
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

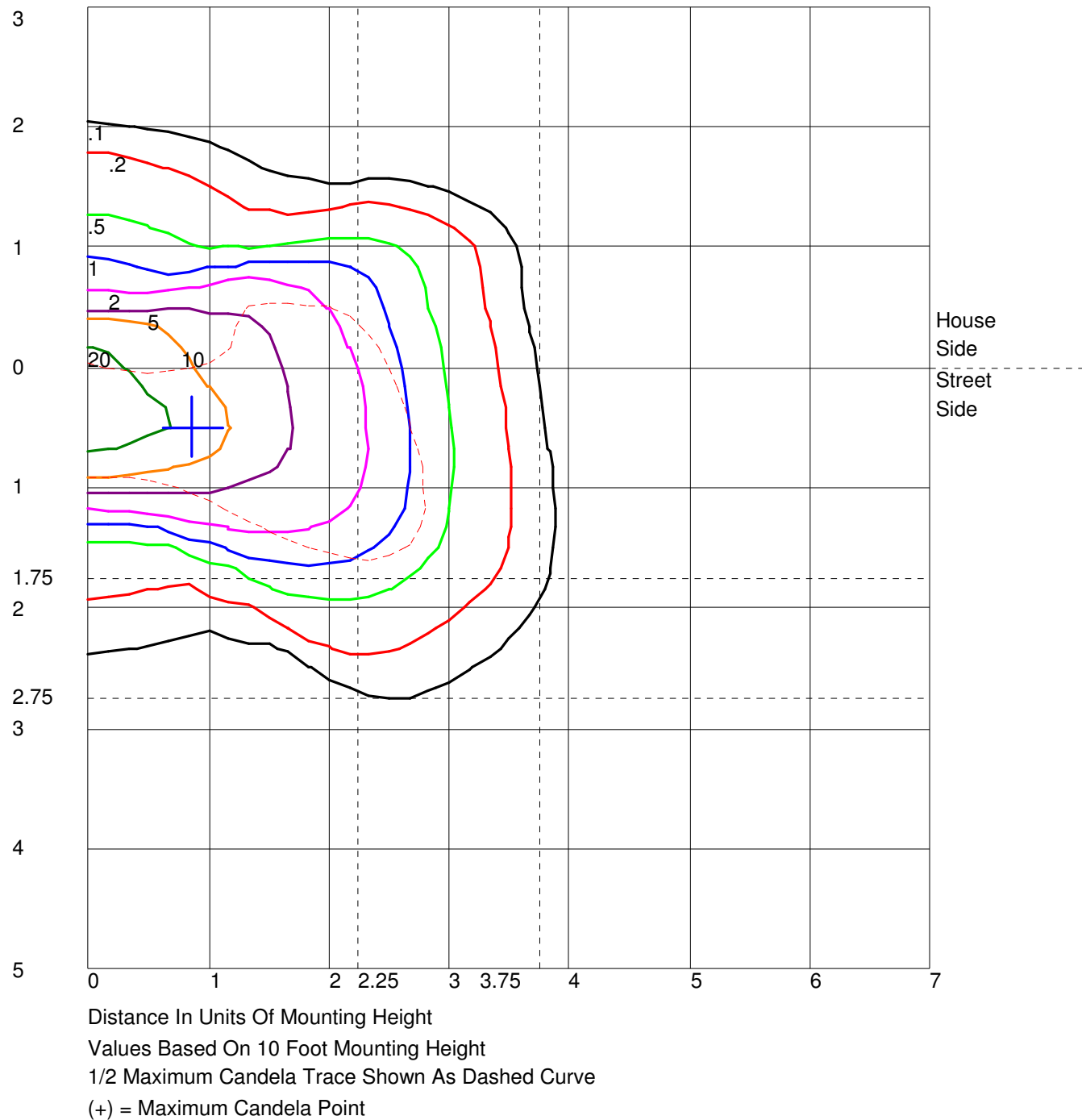
	Lumens	Percent Of Luminaire
Downward Street Side	6012.7	71.6
Downward House Side	2382.9	28.4
Downward Total	8395.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8395.6	100.0

POLAR GRAPH

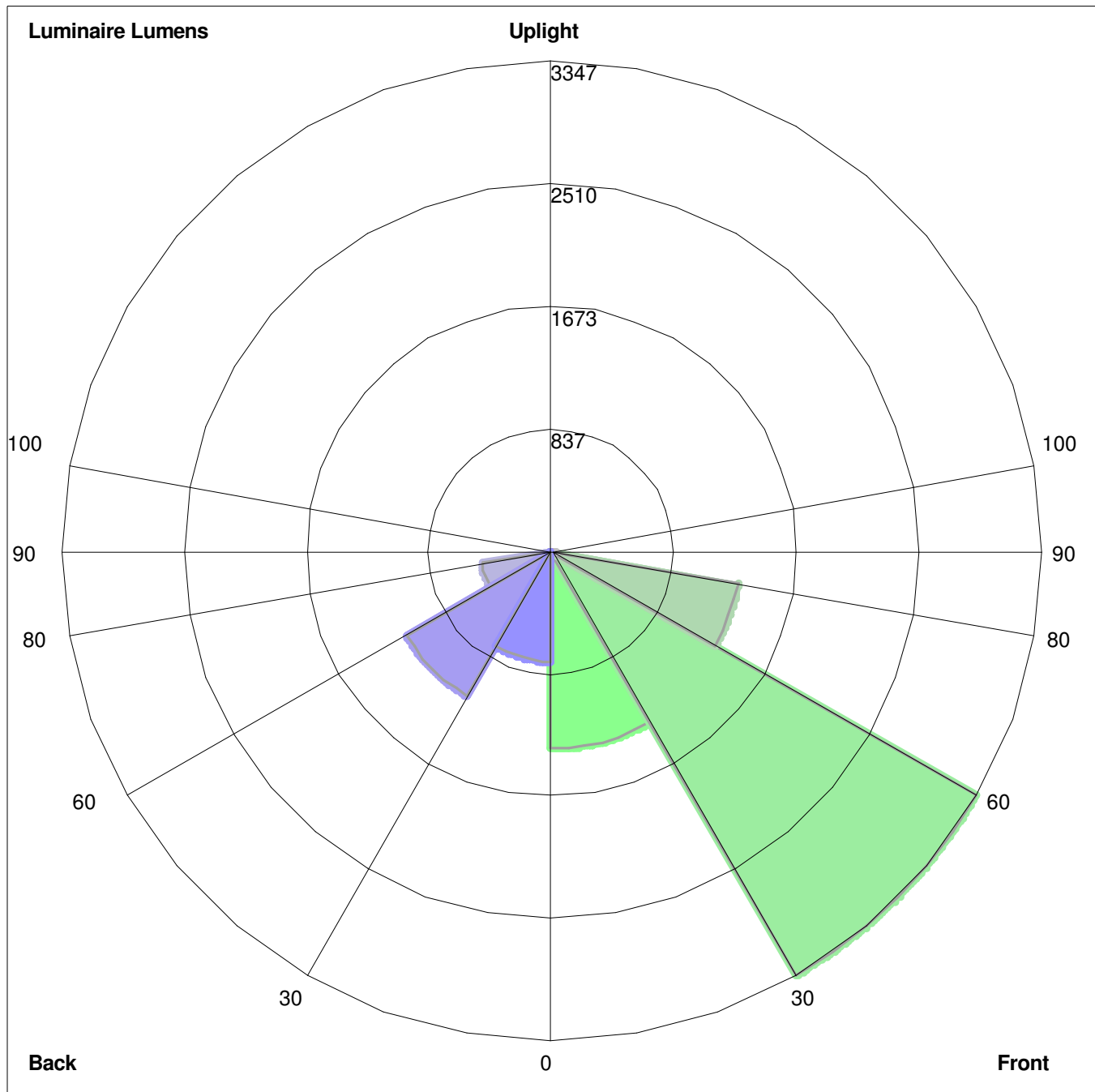


Maximum Candela = 4743.171 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1350.0, Medium=3346.7, High=1293.7, Very High=22.3
Back: Low=751.9, Medium=1144.1, High=484.0, Very High=2.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1