



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-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-L85-730-T2-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 white LEDs
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER
[_SEARCH_SOURCE TYPE] 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	8485
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	4793.632
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	4793.632
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	314.728 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-730-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1364.4	N.A.	16.1
FM - Front-Medium (30-60)	3382.3	N.A.	39.9
FH - Front-High (60-80)	1307.4	N.A.	15.4
FVH - Front-Very High (80-90)	22.6	N.A.	0.3
BL - Back-Low (0-30)	759.9	N.A.	9.0
BM - Back-Medium (30-60)	1156.2	N.A.	13.6
BH - Back-High (60-80)	489.2	N.A.	5.8
BVH - Back-Very High (80-90)	3.0	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	8485.0	N.A.	100.0
BUG Rating	B2-U0-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : VWPX-L85-730-T2-XXX-CGL-DIM-UNV_.IES

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	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230
2.5	2550.811	2572.429	2557.970	2534.106	2532.983	2545.055	2524.279	2506.170	2492.834	2488.342
5.0	2660.025	2683.187	2664.376	2632.230	2622.684	2619.455	2580.430	2552.776	2533.684	2524.841
7.5	2790.015	2815.985	2790.015	2741.584	2712.386	2690.627	2632.791	2598.258	2573.271	2559.795
10.0	3039.747	3061.085	3021.498	2936.570	2854.027	2781.452	2682.345	2634.897	2603.172	2584.642
12.5	3289.761	3315.310	3264.493	3160.052	3051.399	2927.305	2745.234	2671.395	2629.422	2601.487
15.0	3566.306	3592.416	3527.421	3385.920	3237.119	3083.405	2846.868	2729.231	2669.290	2626.615
17.5	3842.289	3879.349	3799.474	3631.722	3441.650	3235.294	2964.224	2820.617	2738.777	2676.730
20.0	4101.006	4154.069	4060.437	3868.821	3640.425	3397.852	3073.157	2920.145	2830.023	2751.411
22.5	4277.040	4347.089	4254.580	4065.631	3825.584	3553.391	3189.110	3016.024	2921.268	2835.497
25.0	4313.258	4388.360	4318.031	4182.285	3971.437	3705.982	3321.346	3133.520	3028.658	2935.025
27.5	4175.968	4264.546	4240.261	4174.985	4061.560	3849.308	3463.409	3276.986	3164.544	3058.699
30.0	3969.612	4060.016	4034.467	4026.044	4046.680	3963.435	3624.142	3444.317	3321.065	3206.236
32.5	3820.109	3911.496	3863.627	3837.797	3962.874	4065.210	3827.830	3633.547	3507.908	3386.622
35.0	3691.523	3773.785	3714.966	3681.275	3845.658	4161.649	4071.948	3886.227	3731.952	3604.067
37.5	3458.355	3538.230	3536.405	3538.932	3761.431	4236.892	4355.371	4177.091	4017.902	3847.623
40.0	2985.562	3053.785	3172.124	3346.193	3687.312	4250.368	4594.014	4469.920	4314.381	4130.205
42.5	2335.471	2387.691	2616.929	3007.741	3539.353	4156.736	4703.790	4702.105	4575.203	4409.557
45.0	1730.581	1784.346	2027.621	2525.542	3246.665	3920.059	4662.378	4793.632	4710.949	4575.344
47.5	1032.060	1107.724	1422.311	1990.562	2827.917	3653.621	4505.295	4674.310	4659.711	4585.310
50.0	665.252	701.329	906.421	1463.442	2405.940	3443.615	4340.210	4499.118	4523.544	4475.394
52.5	330.169	344.347	536.525	1000.896	1993.229	3231.223	4078.405	4295.009	4364.075	4358.179
55.0	279.633	278.791	300.830	622.858	1585.992	2961.136	3720.862	3995.582	4091.601	4073.071
57.5	247.767	246.364	251.558	373.265	1193.214	2657.498	3510.295	3875.980	3961.189	3953.749
60.0	222.640	220.394	224.043	257.594	835.530	2378.567	3695.173	4088.512	4201.096	4241.524
62.5	204.812	201.443	202.144	217.025	580.885	2082.509	3834.428	4421.208	4636.268	4757.695
65.0	189.089	186.141	183.615	194.985	425.907	1698.154	3532.334	4339.789	4638.654	4782.261
67.5	171.823	170.419	167.471	177.859	341.540	1455.440	2981.069	3708.228	3898.300	3972.981
70.0	151.328	150.766	150.485	162.137	272.474	1177.211	2472.901	3079.334	3183.916	3151.488
72.5	127.744	127.604	129.148	147.678	225.447	971.557	1767.781	2093.178	2176.141	2166.034
75.0	100.932	101.915	105.143	134.623	184.316	705.400	1003.282	1201.777	1313.799	1324.467
77.5	70.751	72.997	78.191	108.653	138.553	372.283	587.482	595.765	585.096	560.109
80.0	38.604	42.113	45.483	72.014	98.405	170.138	314.728	236.397	189.651	162.277
82.5	22.320	23.864	25.408	42.815	64.434	86.333	141.361	112.583	95.036	84.086
85.0	11.371	11.932	12.213	21.899	39.165	52.221	51.378	47.869	43.517	41.412
87.5	4.492	4.913	4.913	8.002	13.617	18.249	13.617	15.442	15.301	15.020
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

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-T2-XXX-CGL-DIM-UNV_.IES

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	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230
2.5	2474.585	2463.074	2469.672	2461.249	2447.773	2437.104	2426.014	2432.893	2438.087	2433.595
5.0	2504.626	2490.308	2491.711	2477.393	2460.267	2444.264	2428.120	2429.945	2430.647	2422.786
7.5	2535.790	2513.610	2511.505	2492.273	2469.391	2449.317	2426.857	2425.453	2420.961	2408.608
10.0	2554.180	2529.613	2523.577	2499.573	2471.637	2444.404	2419.978	2412.538	2403.414	2386.147
12.5	2566.112	2536.913	2525.121	2496.344	2465.601	2434.156	2404.396	2393.026	2380.251	2358.352
15.0	2576.640	2540.282	2525.402	2491.009	2456.476	2420.820	2385.305	2370.705	2352.737	2328.592
17.5	2605.839	2555.724	2530.315	2489.606	2451.142	2410.854	2372.530	2352.456	2330.417	2302.903
20.0	2655.673	2585.765	2543.090	2494.098	2447.773	2402.712	2358.914	2337.015	2312.308	2280.583
22.5	2724.599	2631.247	2566.673	2503.082	2449.317	2396.535	2348.806	2322.837	2294.480	2260.088
25.0	2815.283	2707.192	2615.525	2530.315	2464.057	2401.869	2347.262	2319.046	2285.636	2248.857
27.5	2926.182	2809.668	2696.804	2582.396	2496.765	2423.909	2360.458	2327.469	2291.532	2250.261
30.0	3059.962	2932.639	2804.053	2662.130	2551.512	2461.670	2388.955	2350.631	2310.624	2266.405
32.5	3227.573	3089.161	2942.746	2779.206	2640.372	2524.139	2436.824	2393.026	2348.105	2299.815
35.0	3429.156	3273.758	3109.796	2925.059	2759.834	2608.506	2504.345	2451.563	2399.483	2347.122
37.5	3647.725	3471.270	3288.076	3079.755	2888.560	2697.365	2568.358	2500.415	2441.175	2384.182
40.0	3878.086	3672.151	3453.161	3220.414	3004.372	2782.294	2617.209	2529.052	2462.232	2399.904
42.5	4138.908	3883.420	3621.194	3355.177	3109.375	2862.871	2666.763	2555.583	2478.235	2413.661
45.0	4357.477	4074.475	3770.135	3476.464	3210.868	2946.817	2732.039	2598.258	2510.382	2440.473
47.5	4420.647	4185.233	3862.363	3539.072	3279.934	3026.552	2808.124	2661.429	2567.796	2495.361
50.0	4379.376	4190.286	3862.082	3540.617	3290.744	3070.631	2883.086	2741.584	2662.411	2601.066
52.5	4263.985	4050.891	3701.350	3451.757	3279.092	3132.959	3027.956	2950.748	2921.128	2892.210
55.0	3968.770	3786.840	3570.096	3428.595	3379.884	3334.963	3313.766	3295.516	3294.113	3269.406
57.5	3864.188	3789.647	3727.741	3679.170	3668.501	3657.973	3649.690	3612.350	3561.814	3488.256
60.0	4205.588	4216.397	4189.725	4115.044	4033.203	3979.158	3872.470	3759.887	3658.113	3545.389
62.5	4780.155	4786.472	4695.086	4504.453	4290.797	4099.321	3932.412	3757.782	3557.041	3365.846
65.0	4776.646	4680.206	4493.503	4267.494	4012.006	3810.985	3649.410	3495.696	3288.778	3098.426
67.5	3971.718	3854.221	3681.697	3506.364	3317.696	3130.011	2988.790	2875.505	2732.600	2605.839
70.0	3073.157	2938.395	2782.434	2625.211	2482.025	2314.835	2177.405	2079.000	1956.309	1858.606
72.5	2092.055	1969.645	1845.130	1739.144	1636.388	1525.068	1423.996	1357.597	1264.807	1203.181
75.0	1272.106	1170.052	1072.208	990.227	905.579	799.594	691.783	638.159	581.586	550.142
77.5	511.117	425.626	348.840	271.211	209.304	169.998	143.888	134.763	125.919	121.708

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

80.0	142.905	130.973	123.112	112.724	102.336	91.948	82.683	77.208	72.575	69.768
82.5	80.156	75.664	69.908	64.995	59.099	51.800	45.904	42.394	40.148	38.604
85.0	39.727	37.481	35.095	32.989	29.620	25.549	21.899	19.793	18.249	17.267
87.5	14.599	14.178	13.897	12.634	11.090	9.265	7.861	7.019	6.317	5.896
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

	<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	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230
2.5	2428.682	2416.048	2400.325	2403.694	2404.256	2410.292	2410.011	2397.377	2402.571	2409.169
5.0	2415.205	2396.816	2378.145	2377.584	2378.286	2380.672	2378.286	2364.388	2370.284	2376.461
7.5	2396.956	2375.198	2355.545	2354.422	2350.070	2351.754	2350.351	2335.049	2339.401	2342.349
10.0	2373.373	2348.947	2327.750	2322.696	2320.029	2319.889	2317.923	2300.657	2302.061	2303.745
12.5	2341.086	2316.800	2293.778	2288.163	2281.986	2281.565	2276.792	2256.297	2253.911	2248.857
15.0	2309.220	2283.250	2258.964	2250.963	2243.804	2240.575	2229.064	2207.025	2199.585	2186.389
17.5	2280.863	2253.630	2228.643	2218.255	2208.148	2201.550	2183.862	2156.629	2142.731	2121.955
20.0	2254.894	2225.835	2199.725	2187.372	2172.211	2160.840	2137.397	2103.987	2081.667	2054.012
22.5	2232.573	2201.971	2173.334	2156.208	2135.011	2118.586	2087.142	2048.678	2021.024	1991.965
25.0	2219.659	2185.687	2152.698	2129.395	2103.285	2078.579	2039.273	1998.142	1968.803	1939.324

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.5	2219.378	2180.914	2144.135	2112.550	2079.000	2048.257	2001.932	1957.432	1924.303	1900.158
30.0	2232.152	2189.758	2147.364	2108.760	2068.893	2029.306	1976.103	1930.199	1897.350	1868.994
32.5	2262.895	2214.324	2167.859	2121.815	2073.665	2027.060	1967.961	1922.338	1882.330	1844.428
35.0	2306.412	2252.226	2200.708	2146.381	2089.388	2037.167	1976.524	1926.268	1876.434	1828.004
37.5	2340.524	2282.688	2225.835	2167.017	2104.970	2049.801	1984.946	1929.357	1870.258	1811.018
40.0	2355.545	2292.374	2231.872	2167.017	2103.706	2046.292	1977.787	1915.880	1848.920	1780.696
42.5	2364.108	2295.463	2229.345	2159.577	2093.739	2034.921	1958.696	1890.893	1821.406	1739.706
45.0	2389.095	2314.835	2241.698	2165.613	2095.424	2031.973	1946.623	1872.223	1794.173	1694.364
47.5	2438.789	2359.616	2278.898	2190.320	2115.498	2043.905	1949.992	1868.011	1773.537	1648.460
50.0	2555.583	2485.675	2412.679	2327.188	2251.524	2182.178	2075.631	1973.435	1858.887	1700.400
52.5	2870.171	2816.827	2754.499	2664.657	2574.113	2505.047	2378.847	2259.245	2110.585	1892.437
55.0	3236.558	3163.701	3074.421	2974.191	2874.382	2785.944	2633.634	2481.183	2264.018	1926.268
57.5	3422.699	3325.417	3222.099	3106.848	2986.263	2861.467	2666.482	2427.137	2106.935	1706.436
60.0	3420.593	3275.442	3137.872	2983.596	2843.920	2671.395	2441.456	2181.476	1854.395	1449.685
62.5	3178.722	2984.158	2837.743	2706.069	2593.486	2452.827	2257.841	2011.197	1676.957	1263.964
65.0	2927.726	2746.919	2617.771	2514.312	2422.926	2305.570	2136.274	1892.578	1541.632	1142.116
67.5	2516.137	2372.109	2268.931	2204.638	2162.665	2088.405	1967.118	1738.021	1412.906	1056.486
70.0	1811.720	1715.842	1650.285	1624.596	1639.616	1604.241	1569.568	1416.696	1160.646	878.767
72.5	1168.367	1104.355	1057.609	1035.289	1051.994	1039.500	1051.713	950.500	771.378	567.549
75.0	544.246	506.484	487.112	493.008	530.068	522.347	534.700	467.880	332.275	217.586
77.5	122.129	116.093	113.566	114.970	122.129	125.358	143.607	135.324	103.739	76.085
80.0	69.206	67.241	66.680	65.276	64.574	60.082	51.659	39.025	29.620	22.601
82.5	38.464	38.323	38.183	37.621	36.218	28.918	18.249	13.055	8.844	6.036
85.0	17.828	17.828	17.688	17.126	14.319	9.125	6.177	4.352	3.088	2.106
87.5	6.177	5.896	5.615	4.773	3.369	2.527	1.965	1.685	1.404	1.263
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-L85-730-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.
Angles

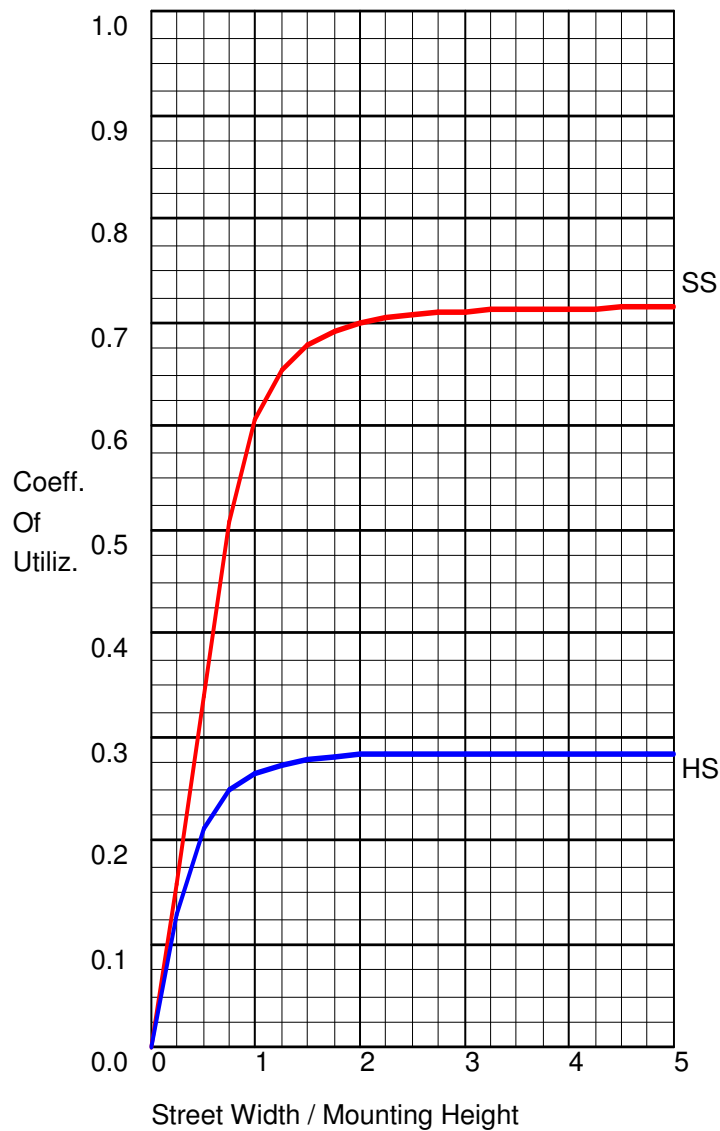
Horizontal Angles

	<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	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230	2454.230
2.5	2406.502	2412.257	2418.715	2418.434	2394.991	2386.849	2403.273	2416.328	2391.903
5.0	2372.811	2374.776	2379.269	2376.601	2346.139	2328.452	2337.997	2346.560	2327.469
7.5	2339.261	2339.542	2337.436	2321.152	2274.546	2241.136	2236.223	2236.504	2219.518
10.0	2294.901	2289.707	2280.442	2240.856	2174.457	2128.272	2123.078	2127.149	2111.287
12.5	2236.644	2226.116	2201.831	2138.239	2074.929	2057.382	2086.440	2109.462	2097.249
15.0	2169.684	2151.294	2113.112	2053.311	2036.184	2041.519	2040.677	2037.448	2026.779
17.5	2098.793	2075.490	2034.781	2015.689	2003.336	1946.202	1903.106	1879.522	1871.100
20.0	2029.446	2006.003	1980.875	1980.174	1900.860	1789.119	1700.119	1627.825	1623.052
22.5	1968.101	1952.940	1942.412	1897.912	1749.532	1533.771	1217.499	988.543	981.664
25.0	1920.934	1910.967	1894.262	1776.485	1517.487	1008.336	712.419	603.766	601.661
27.5	1881.909	1866.748	1827.161	1619.542	1112.777	628.613	455.387	395.445	393.761
30.0	1843.165	1819.721	1742.935	1378.653	711.155	422.678	340.698	324.273	325.677
32.5	1807.930	1769.747	1645.933	1071.085	488.375	330.731	306.867	300.971	303.076
35.0	1778.871	1717.386	1526.472	760.849	365.545	299.707	289.319	285.810	287.354
37.5	1745.882	1660.673	1374.442	535.121	310.938	282.441	275.843	274.018	274.018
40.0	1698.014	1582.623	1206.831	412.712	283.845	268.403	264.893	263.069	261.665
42.5	1636.247	1478.743	1041.044	342.382	265.736	256.752	254.646	252.400	249.312
45.0	1562.829	1365.879	879.048	300.830	252.681	247.908	245.100	241.731	238.362
47.5	1482.814	1258.490	733.054	273.597	241.591	238.643	234.993	231.203	227.553
50.0	1495.448	1235.047	682.097	260.261	231.483	226.991	222.219	219.271	215.902
52.5	1634.703	1311.272	656.829	248.750	223.903	212.954	210.286	209.304	206.637
55.0	1560.162	1166.682	524.312	237.379	214.919	201.723	199.337	201.723	199.758
57.5	1330.925	962.713	425.065	224.184	202.425	190.914	188.949	193.581	192.318
60.0	1108.285	793.277	356.701	206.075	187.405	178.701	176.596	183.615	184.176
62.5	953.869	681.816	311.639	183.474	167.611	161.014	149.783	155.679	158.487
65.0	852.376	598.572	269.807	157.925	142.063	115.391	92.790	81.139	83.806
67.5	792.856	549.159	237.520	128.867	96.580	56.292	33.129	20.636	23.724
70.0	681.536	499.886	212.813	84.648	42.113	13.476	4.071	3.369	3.229
72.5	430.259	312.482	139.817	41.973	8.142	2.808	2.527	2.527	2.527
75.0	173.788	122.690	66.399	7.019	2.386	1.685	1.263	1.123	1.263
77.5	58.538	44.921	15.020	2.106	1.263	0.702	0.421	0.421	0.421
80.0	15.863	8.563	2.527	1.123	0.562	0.281	0.281	0.281	0.281
82.5	4.071	2.527	1.263	0.562	0.421	0.281	0.281	0.281	0.281
85.0	1.544	1.263	0.842	0.421	0.281	0.281	0.140	0.281	0.281
87.5	0.983	0.842	0.702	0.421	0.281	0.281	0.140	0.281	0.281
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-L85-730-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

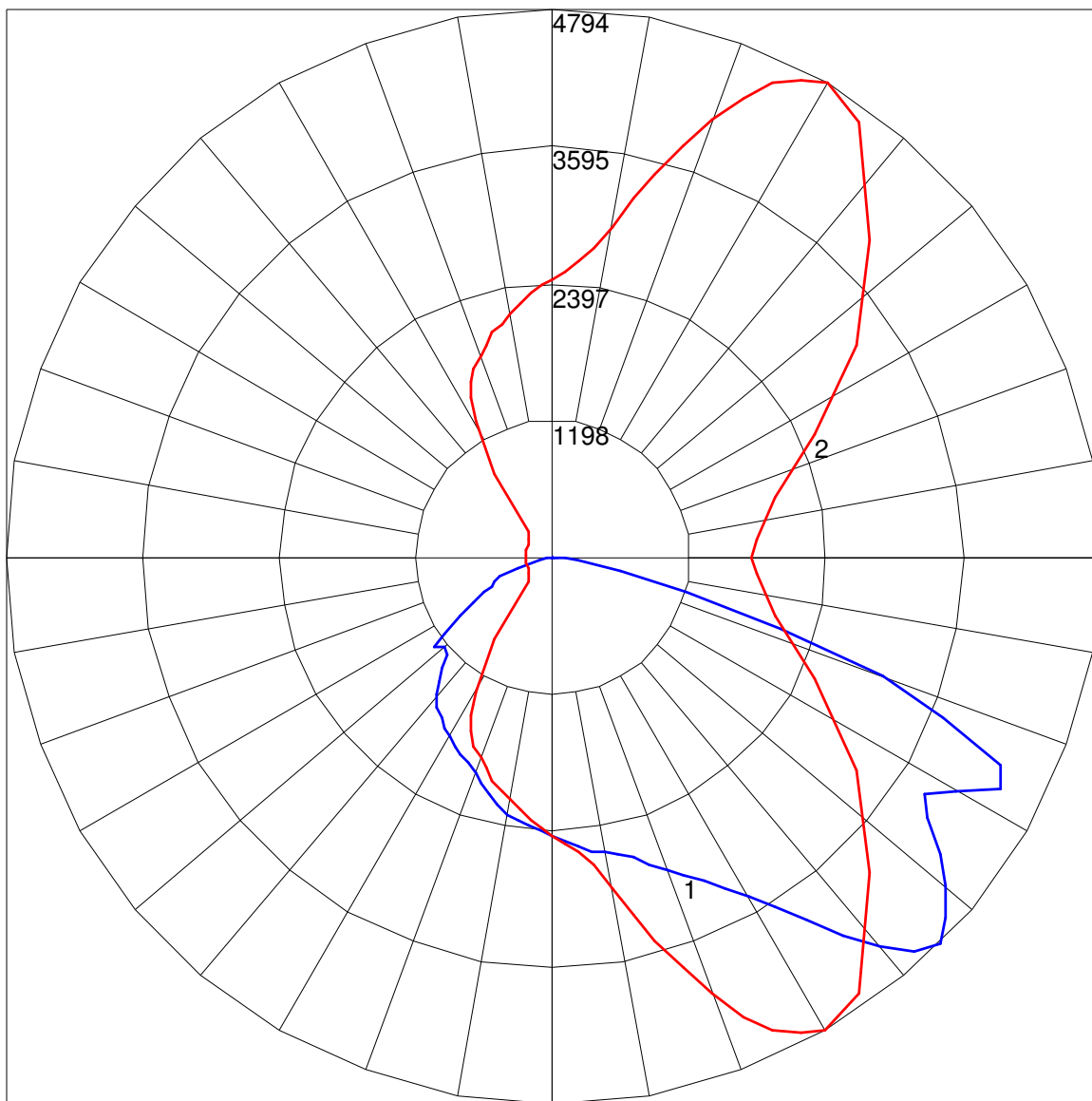
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

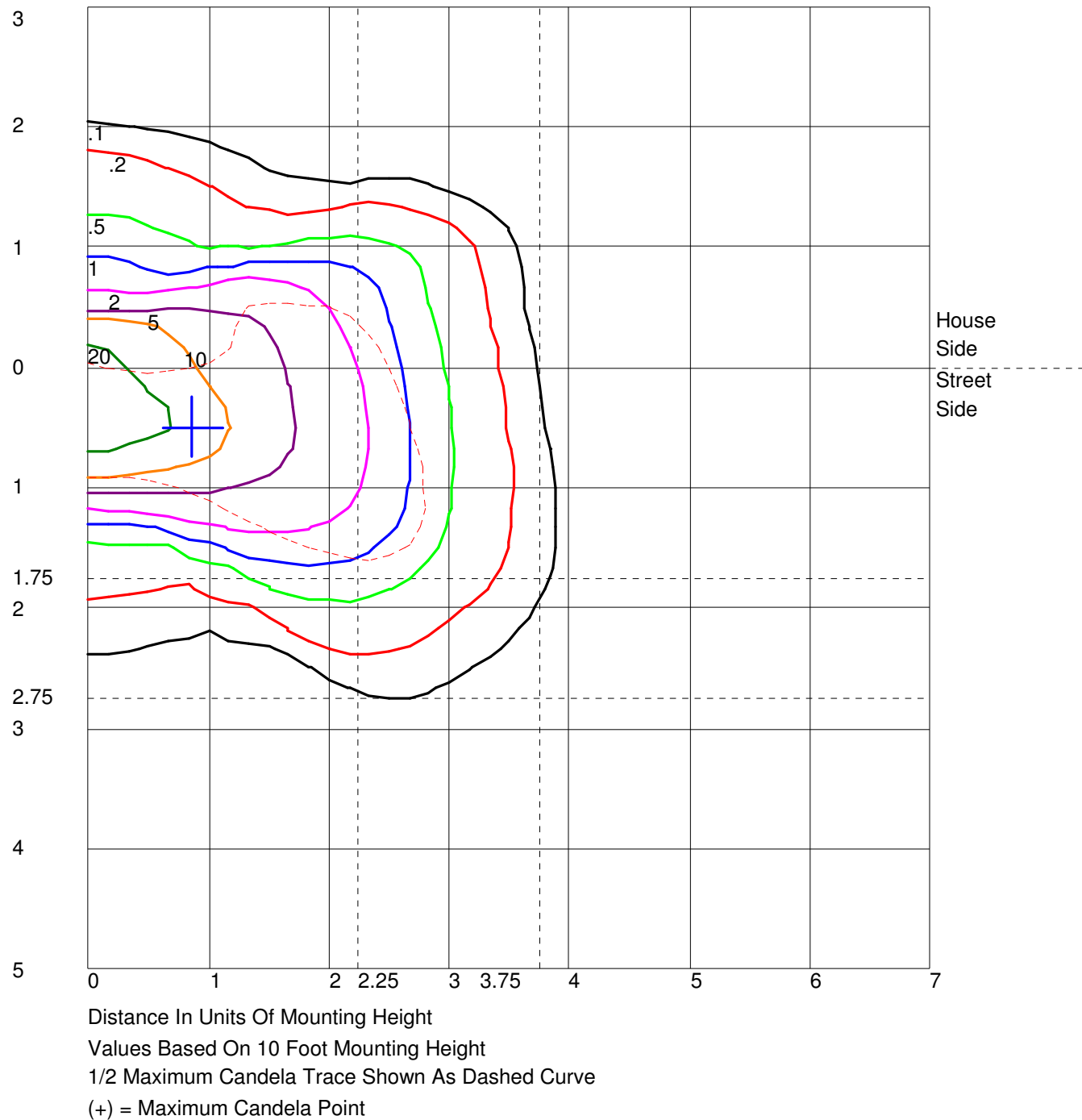
	Lumens	Percent Of Luminaire
Downward Street Side	6076.6	71.6
Downward House Side	2408.3	28.4
Downward Total	8484.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8484.9	100.0

POLAR GRAPH

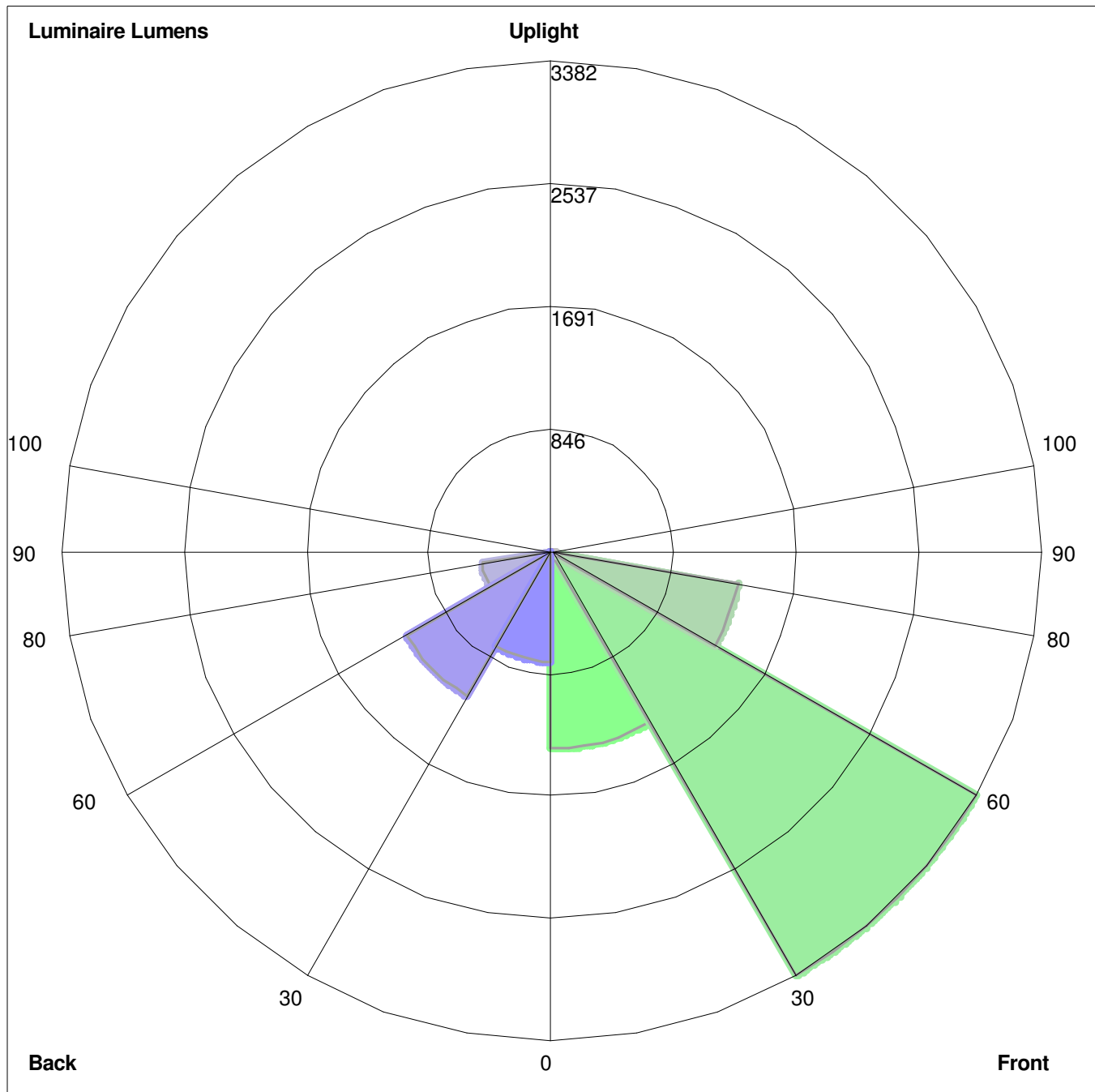


Maximum Candela = 4793.632 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1364.4, Medium=3382.3, High=1307.4, Very High=22.6
Back: Low=759.9, Medium=1156.2, High=489.2, Very High=3.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1