



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-830-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-L85-830-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	7681
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4339.497
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	4339.497
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	284.911 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L85-830-T2-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1235.1	N.A.	16.1
FM - Front-Medium (30-60)	3061.8	N.A.	39.9
FH - Front-High (60-80)	1183.6	N.A.	15.4
FVH - Front-Very High (80-90)	20.4	N.A.	0.3
BL - Back-Low (0-30)	687.9	N.A.	9.0
BM - Back-Medium (30-60)	1046.7	N.A.	13.6
BH - Back-High (60-80)	442.8	N.A.	5.8
BVH - Back-Very High (80-90)	2.7	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	7681.0	N.A.	100.0
BUG Rating	B2-U0-G1		

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## CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</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>60.0</u>	<u>62.5</u>	<u>65.0</u>
0.0	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724
2.5	2309.154	2328.725	2315.635	2294.032	2293.015	2303.944	2285.136	2268.743	2256.671	2252.604
5.0	2408.022	2428.990	2411.961	2382.860	2374.219	2371.296	2335.968	2310.934	2293.651	2285.645
7.5	2525.697	2549.207	2525.697	2481.855	2455.422	2435.725	2383.369	2352.107	2329.487	2317.287
10.0	2751.771	2771.087	2735.251	2658.368	2583.645	2517.945	2428.228	2385.275	2356.555	2339.780
12.5	2978.099	3001.227	2955.225	2860.678	2762.319	2649.981	2485.159	2418.315	2380.319	2355.030
15.0	3228.445	3252.081	3193.244	3065.148	2930.444	2791.293	2577.164	2470.672	2416.409	2377.777
17.5	3478.282	3511.831	3439.523	3287.664	3115.598	2928.792	2683.402	2553.400	2479.313	2423.144
20.0	3712.489	3760.525	3675.763	3502.300	3295.542	3075.950	2782.016	2643.500	2561.915	2490.750
22.5	3871.846	3935.259	3851.514	3680.465	3463.160	3216.753	2886.983	2730.295	2644.516	2566.871
25.0	3904.633	3972.620	3908.953	3786.068	3595.195	3354.888	3006.692	2836.660	2741.732	2656.970
27.5	3780.349	3860.536	3838.551	3779.460	3676.780	3484.636	3135.296	2966.535	2864.744	2768.927
30.0	3593.543	3675.382	3652.253	3644.629	3663.309	3587.951	3280.801	3118.013	3006.437	2902.487
32.5	3458.204	3540.932	3497.598	3474.216	3587.443	3680.084	3465.193	3289.316	3175.580	3065.783
35.0	3341.799	3416.268	3363.021	3332.522	3481.332	3767.387	3686.184	3518.058	3378.398	3262.629
37.5	3130.721	3203.029	3201.377	3203.664	3405.085	3835.502	3942.756	3781.366	3637.258	3483.111
40.0	2702.718	2764.479	2871.607	3029.185	3337.987	3847.701	4158.791	4046.453	3905.649	3738.921
42.5	2114.215	2161.489	2369.009	2722.797	3204.045	3762.939	4258.167	4256.642	4141.762	3991.809
45.0	1566.631	1615.303	1835.531	2286.280	2939.086	3548.684	4220.678	4339.497	4264.648	4141.889
47.5	934.286	1002.781	1287.565	1801.982	2560.009	3307.488	4078.477	4231.480	4218.264	4150.912
50.0	602.228	634.887	820.550	1324.800	2178.009	3117.378	3929.032	4072.885	4094.997	4051.409
52.5	298.890	311.725	485.696	906.074	1804.396	2925.107	3692.029	3888.112	3950.635	3945.298
55.0	253.142	252.379	272.331	563.850	1435.740	2680.607	3368.359	3617.053	3703.975	3687.200
57.5	224.295	223.024	227.726	337.903	1080.172	2405.735	3177.740	3508.781	3585.918	3579.183
60.0	201.547	199.514	202.818	233.190	756.375	2153.228	3345.103	3701.179	3803.096	3839.695
62.5	185.408	182.359	182.994	196.464	525.853	1885.219	3471.166	4002.356	4197.042	4306.965
65.0	171.176	168.507	166.219	176.513	385.558	1537.276	3197.692	3928.651	4199.202	4329.204
67.5	155.545	154.274	151.605	161.009	309.183	1317.556	2698.652	3356.922	3528.987	3596.593
70.0	136.991	136.483	136.229	146.776	246.661	1065.685	2238.626	2787.607	2882.281	2852.926
72.5	115.642	115.515	116.913	133.687	204.089	879.514	1600.307	1894.877	1969.980	1960.831
75.0	91.370	92.259	95.182	121.869	166.855	638.573	908.234	1087.924	1189.333	1198.991
77.5	64.048	66.081	70.783	98.359	125.427	337.014	531.826	539.324	529.666	507.046
80.0	34.947	38.124	41.174	65.192	89.082	154.020	284.911	214.001	171.684	146.903
82.5	20.206	21.603	23.001	38.759	58.329	78.154	127.969	101.917	86.033	76.120
85.0	10.293	10.802	11.056	19.824	35.455	47.273	46.511	43.334	39.395	37.488
87.5	4.067	4.448	4.448	7.244	12.327	16.520	12.327	13.979	13.852	13.597
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	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724
2.5	2240.150	2229.730	2235.703	2228.078	2215.878	2206.220	2196.181	2202.408	2207.110	2203.043
5.0	2267.345	2254.383	2255.654	2242.692	2227.188	2212.701	2198.087	2199.739	2200.375	2193.258
7.5	2295.557	2275.478	2273.572	2256.162	2235.449	2217.276	2196.944	2195.673	2191.606	2180.423
10.0	2312.204	2289.965	2284.501	2262.771	2237.482	2212.828	2190.717	2183.982	2175.721	2160.091
12.5	2323.006	2296.574	2285.899	2259.848	2232.017	2203.552	2176.611	2166.318	2154.753	2134.929
15.0	2332.537	2299.623	2286.153	2255.019	2223.757	2191.479	2159.328	2146.112	2129.846	2107.988
17.5	2358.969	2313.602	2290.601	2253.748	2218.928	2182.457	2147.764	2129.592	2109.640	2084.733
20.0	2404.083	2340.797	2302.165	2257.814	2215.878	2175.086	2135.437	2115.613	2093.247	2064.527
22.5	2466.478	2381.971	2323.514	2265.948	2217.276	2169.494	2126.288	2102.778	2077.108	2045.974
25.0	2548.571	2450.721	2367.738	2290.601	2230.620	2174.323	2124.890	2099.347	2069.102	2035.807
27.5	2648.964	2543.488	2441.317	2337.747	2260.229	2194.275	2136.835	2106.972	2074.439	2037.078
30.0	2770.070	2654.810	2538.405	2409.928	2309.790	2228.459	2162.632	2127.940	2091.722	2051.692
32.5	2921.803	2796.503	2663.959	2515.912	2390.231	2285.009	2205.966	2166.318	2125.652	2081.937
35.0	3104.288	2963.612	2815.183	2647.947	2498.375	2361.384	2267.091	2219.309	2172.163	2124.763
37.5	3302.151	3142.412	2976.574	2787.988	2614.907	2441.825	2325.039	2263.533	2209.906	2158.312
40.0	3510.687	3324.262	3126.019	2915.322	2719.747	2518.708	2369.263	2289.457	2228.968	2172.544
42.5	3746.800	3515.516	3278.133	3037.318	2814.802	2591.651	2414.122	2313.475	2243.455	2184.998
45.0	3944.663	3688.471	3412.964	3147.114	2906.680	2667.645	2473.214	2352.107	2272.556	2209.270
47.5	4001.848	3788.736	3496.455	3203.791	2969.203	2739.826	2542.090	2409.293	2324.531	2258.958
50.0	3964.487	3793.311	3496.200	3205.189	2978.988	2779.728	2609.951	2481.855	2410.182	2354.649
52.5	3860.028	3667.122	3350.695	3124.748	2968.441	2836.151	2741.096	2671.203	2644.389	2618.211
55.0	3592.780	3428.086	3231.876	3103.780	3059.684	3019.018	2999.829	2983.309	2982.038	2959.672
57.5	3498.107	3430.628	3374.586	3330.616	3320.958	3311.427	3303.930	3270.127	3224.378	3157.789
60.0	3807.163	3816.948	3792.803	3725.197	3651.110	3602.184	3505.604	3403.687	3311.554	3209.510
62.5	4327.298	4333.016	4250.288	4077.714	3884.300	3710.964	3559.867	3401.781	3220.057	3046.976
65.0	4324.121	4236.817	4067.802	3863.205	3631.921	3449.944	3303.676	3164.524	2977.209	2804.890
67.5	3595.449	3489.084	3332.904	3174.182	3003.388	2833.483	2705.641	2603.088	2473.722	2358.969
70.0	2782.016	2660.020	2518.835	2376.506	2246.886	2095.534	1971.124	1882.042	1770.974	1682.527
72.5	1893.860	1783.047	1670.328	1574.383	1481.361	1380.587	1289.090	1228.982	1144.983	1089.195
75.0	1151.591	1059.204	970.630	896.416	819.787	723.843	626.246	577.702	526.489	498.023
77.5	462.695	385.304	315.792	245.517	189.475	153.893	130.256	121.996	113.990	110.178

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**CANDELA TABULATION - (Cont.)**

80.0	129.367	118.565	111.448	102.045	92.641	83.237	74.850	69.894	65.700	63.158
82.5	72.562	68.496	63.285	58.838	53.500	46.892	41.555	38.378	36.345	34.947
85.0	35.963	33.930	31.770	29.864	26.814	23.128	19.824	17.918	16.520	15.631
87.5	13.216	12.835	12.581	11.437	10.039	8.387	7.116	6.354	5.719	5.337
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	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724
2.5	2198.596	2187.158	2172.926	2175.976	2176.484	2181.948	2181.694	2170.257	2174.959	2180.932
5.0	2186.396	2169.749	2152.847	2152.339	2152.974	2155.135	2152.974	2140.393	2145.731	2151.322
7.5	2169.876	2150.178	2132.387	2131.371	2127.431	2128.956	2127.685	2113.834	2117.773	2120.442
10.0	2148.526	2126.415	2107.226	2102.651	2100.236	2100.109	2098.330	2082.699	2083.970	2085.495
12.5	2119.298	2097.314	2076.473	2071.389	2065.798	2065.417	2061.096	2042.542	2040.382	2035.807
15.0	2090.451	2066.942	2044.957	2037.713	2031.232	2028.310	2017.889	1997.938	1991.203	1979.257
17.5	2064.781	2040.128	2017.508	2008.104	1998.954	1992.982	1976.970	1952.316	1939.735	1920.928
20.0	2041.272	2014.966	1991.330	1980.147	1966.422	1956.129	1934.906	1904.662	1884.456	1859.421
22.5	2021.066	1993.363	1967.439	1951.935	1932.746	1917.878	1889.412	1854.592	1829.558	1803.253
25.0	2009.375	1978.622	1948.758	1927.663	1904.026	1881.660	1846.078	1808.844	1782.284	1755.598

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-830-T2-XXX-CGL-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

27.5	2009.121	1974.301	1941.006	1912.413	1882.042	1854.211	1812.275	1771.991	1742.000	1720.143
30.0	2020.685	1982.307	1943.929	1908.982	1872.892	1837.056	1788.893	1747.338	1717.601	1691.931
32.5	2048.515	2004.546	1962.483	1920.801	1877.213	1835.022	1781.522	1740.221	1704.004	1669.692
35.0	2087.910	2038.857	1992.219	1943.040	1891.445	1844.172	1789.274	1743.779	1698.666	1654.824
37.5	2118.790	2066.433	2014.966	1961.720	1905.551	1855.609	1796.899	1746.575	1693.075	1639.448
40.0	2132.387	2075.202	2020.431	1961.720	1904.407	1852.432	1790.418	1734.376	1673.759	1611.998
42.5	2140.139	2077.998	2018.143	1954.985	1895.385	1842.139	1773.135	1711.756	1648.851	1574.891
45.0	2162.759	2095.534	2029.326	1960.449	1896.910	1839.470	1762.206	1694.854	1624.198	1533.845
47.5	2207.745	2136.073	2063.002	1982.815	1915.082	1850.272	1765.256	1691.042	1605.517	1492.290
50.0	2313.475	2250.190	2184.109	2106.717	2038.222	1975.445	1878.992	1786.478	1682.782	1539.309
52.5	2598.259	2549.969	2493.546	2412.216	2330.250	2267.727	2153.483	2045.211	1910.634	1713.153
55.0	2929.936	2863.982	2783.159	2692.425	2602.072	2522.012	2384.131	2246.123	2049.532	1743.779
57.5	3098.443	3010.377	2916.847	2812.515	2703.354	2590.380	2413.868	2197.198	1907.330	1544.774
60.0	3096.537	2965.137	2840.599	2700.939	2574.496	2418.315	2210.160	1974.809	1678.715	1312.346
62.5	2877.579	2701.448	2568.904	2449.704	2347.786	2220.453	2043.940	1820.662	1518.087	1144.220
65.0	2650.362	2486.684	2369.771	2276.114	2193.385	2087.147	1933.890	1713.280	1395.583	1033.916
67.5	2277.766	2147.383	2053.980	1995.777	1957.781	1890.556	1780.760	1573.366	1279.051	956.397
70.0	1640.083	1553.288	1493.942	1470.686	1484.284	1452.260	1420.871	1282.482	1050.690	795.515
72.5	1057.679	999.731	957.414	937.208	952.331	941.021	952.077	860.453	698.300	513.781
75.0	492.686	458.501	440.964	446.302	479.851	472.861	484.044	423.555	300.796	196.973
77.5	110.559	105.094	102.807	104.078	110.559	113.482	130.002	122.504	93.911	68.877
80.0	62.650	60.871	60.363	59.092	58.456	54.390	46.765	35.328	26.814	20.460
82.5	34.820	34.693	34.566	34.057	32.786	26.178	16.520	11.818	8.006	5.464
85.0	16.139	16.139	16.012	15.504	12.962	8.260	5.591	3.939	2.796	1.906
87.5	5.591	5.337	5.083	4.321	3.050	2.287	1.779	1.525	1.271	1.144
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-L85-830-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

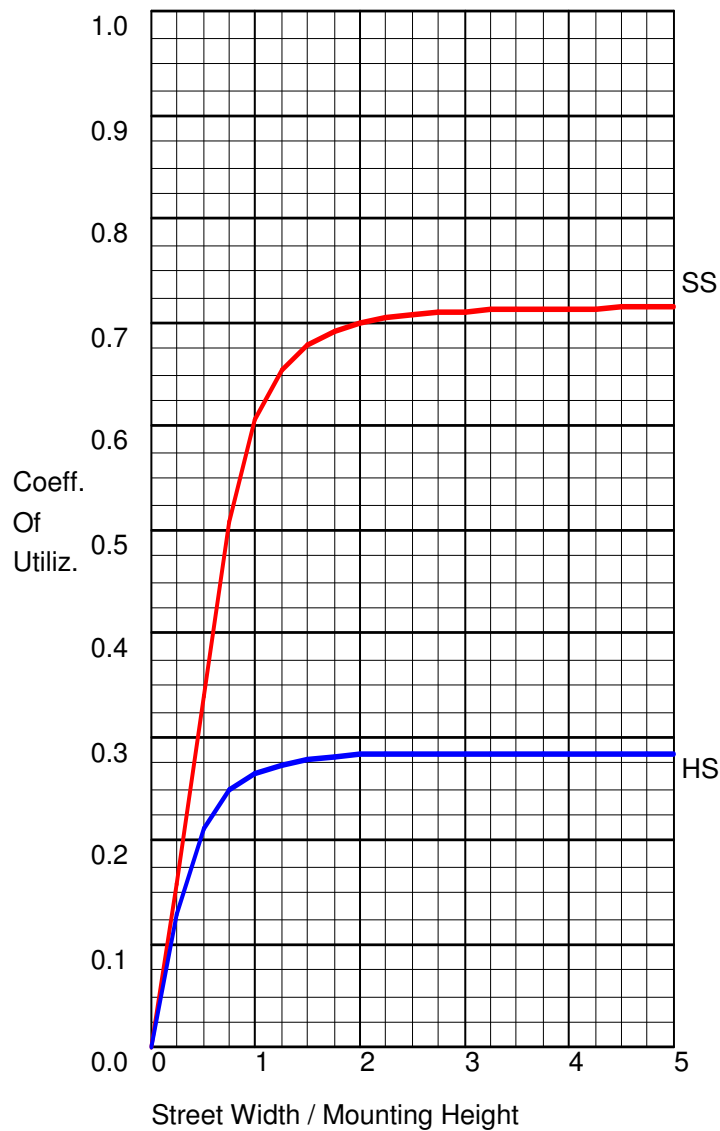
	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724	2221.724
2.5	2178.517	2183.727	2189.573	2189.319	2168.097	2160.726	2175.594	2187.413	2165.301
5.0	2148.018	2149.797	2153.864	2151.449	2123.873	2107.861	2116.503	2124.254	2106.972
7.5	2117.646	2117.900	2115.994	2101.253	2059.063	2028.818	2024.370	2024.624	2009.248
10.0	2077.489	2072.787	2064.400	2028.564	1968.455	1926.646	1921.944	1925.630	1911.270
12.5	2024.751	2015.220	1993.236	1935.669	1878.356	1862.471	1888.777	1909.618	1898.562
15.0	1964.135	1947.487	1912.922	1858.786	1843.282	1848.111	1847.349	1844.426	1834.768
17.5	1899.960	1878.865	1842.012	1824.729	1813.546	1761.825	1722.811	1701.462	1693.837
20.0	1837.183	1815.960	1793.213	1792.578	1720.778	1619.623	1539.055	1473.609	1469.289
22.5	1781.649	1767.925	1758.394	1718.110	1583.787	1388.466	1102.157	894.891	888.664
25.0	1738.950	1729.928	1714.805	1608.186	1373.725	912.809	644.926	546.567	544.661
27.5	1703.622	1689.898	1654.062	1466.112	1007.356	569.060	412.245	357.982	356.457
30.0	1668.549	1647.326	1577.814	1248.044	643.783	382.635	308.421	293.553	294.824
32.5	1636.652	1602.086	1490.003	969.614	442.108	299.398	277.795	272.458	274.364
35.0	1610.346	1554.686	1381.858	688.769	330.914	271.314	261.910	258.733	260.131
37.5	1580.483	1503.346	1244.232	484.426	281.480	255.683	249.710	248.058	248.058
40.0	1537.149	1432.690	1092.499	373.613	256.954	242.975	239.798	238.146	236.875
42.5	1481.234	1338.651	942.419	309.946	240.561	232.428	230.521	228.488	225.692
45.0	1414.772	1236.480	795.769	272.331	228.742	224.422	221.880	218.830	215.780
47.5	1342.337	1139.264	663.607	247.677	218.703	216.034	212.730	209.299	205.995
50.0	1353.774	1118.042	617.477	235.605	209.553	205.487	201.166	198.498	195.448
52.5	1479.836	1187.046	594.603	225.184	202.691	192.779	190.364	189.475	187.060
55.0	1412.357	1056.154	474.640	214.891	194.558	182.613	180.452	182.613	180.834
57.5	1204.837	871.509	384.796	202.945	183.248	172.828	171.048	175.242	174.098
60.0	1003.290	718.124	322.908	186.552	169.651	161.772	159.866	166.219	166.728
62.5	863.503	617.223	282.116	166.092	151.732	145.760	135.593	140.931	143.472
65.0	771.624	541.865	244.246	142.964	128.604	104.459	83.999	73.452	75.866
67.5	717.743	497.133	215.018	116.659	87.430	50.959	29.991	18.681	21.476
70.0	616.969	452.529	192.652	76.629	38.124	12.200	3.685	3.050	2.923
72.5	389.497	282.878	126.571	37.997	7.371	2.542	2.287	2.287	2.287
75.0	157.324	111.067	60.108	6.354	2.160	1.525	1.144	1.017	1.144
77.5	52.992	40.665	13.597	1.906	1.144	0.635	0.381	0.381	0.381
80.0	14.360	7.752	2.287	1.017	0.508	0.254	0.254	0.254	0.254
82.5	3.685	2.287	1.144	0.508	0.381	0.254	0.254	0.254	0.254
85.0	1.398	1.144	0.762	0.381	0.254	0.254	0.127	0.254	0.254
87.5	0.890	0.762	0.635	0.381	0.254	0.254	0.127	0.254	0.254
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-L85-830-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



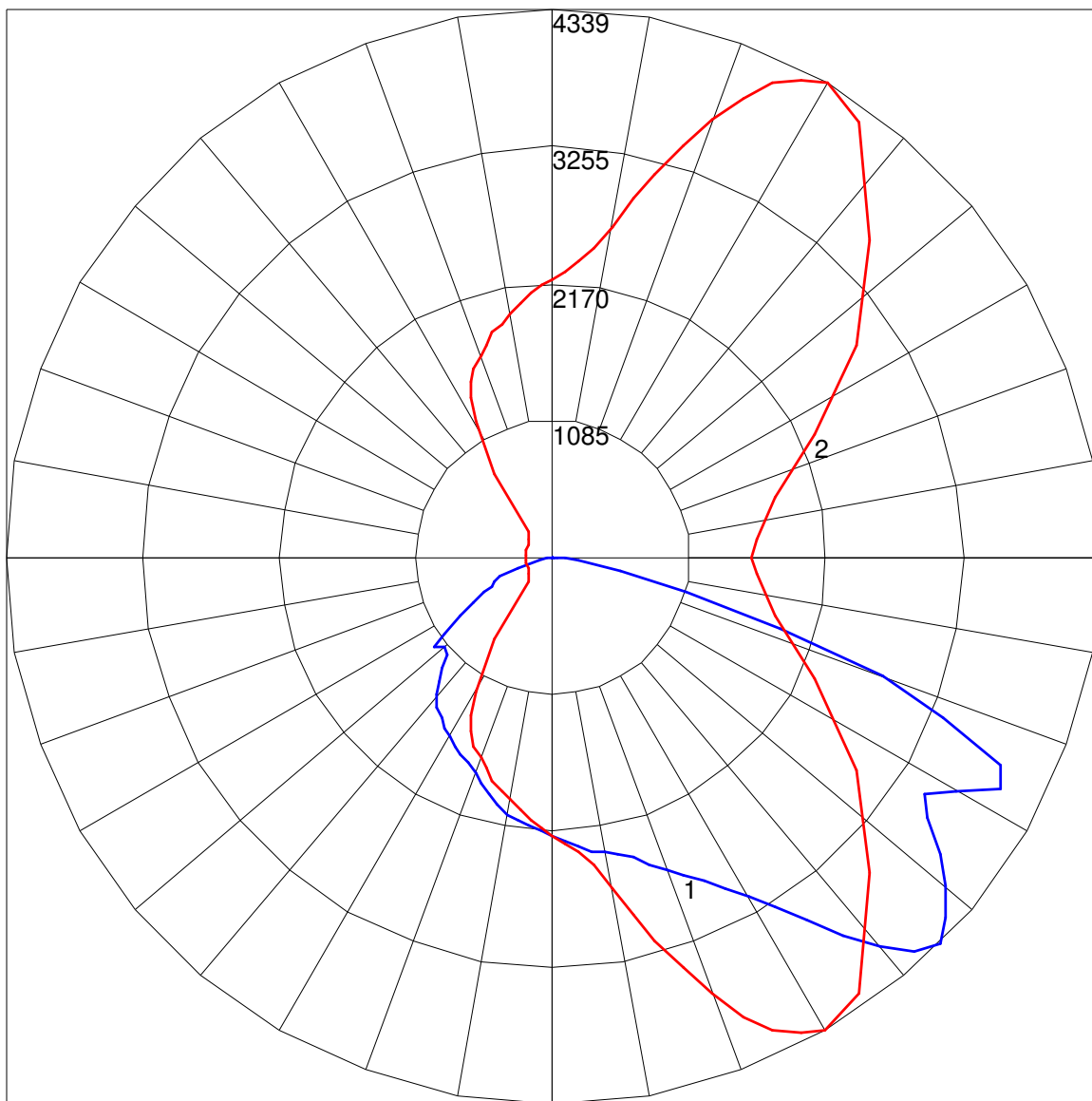
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

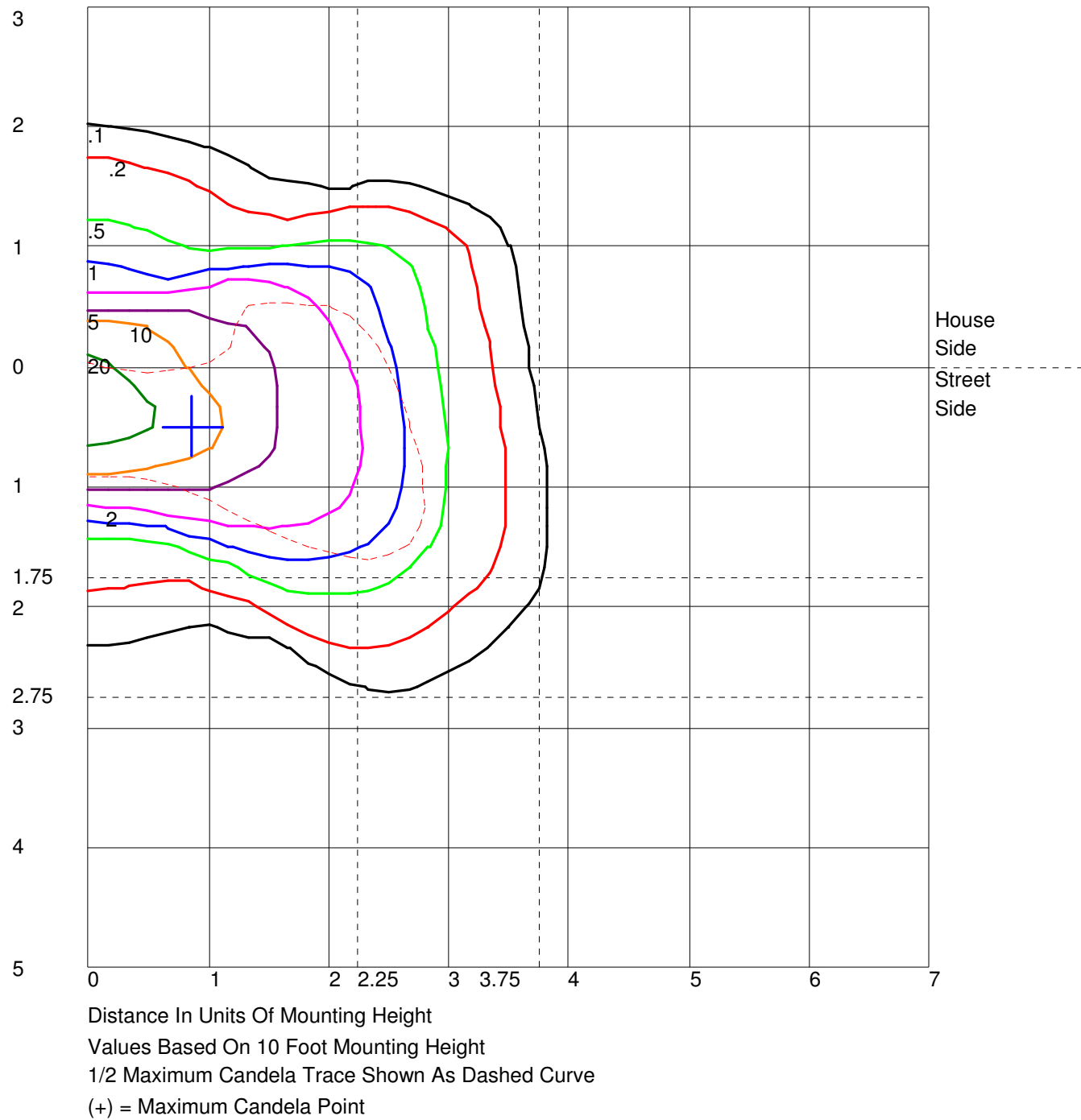
	Lumens	Percent Of Luminaire
Downward Street Side	5501.0	71.6
Downward House Side	2180.1	28.4
Downward Total	7681.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7681.1	100.0

POLAR GRAPH

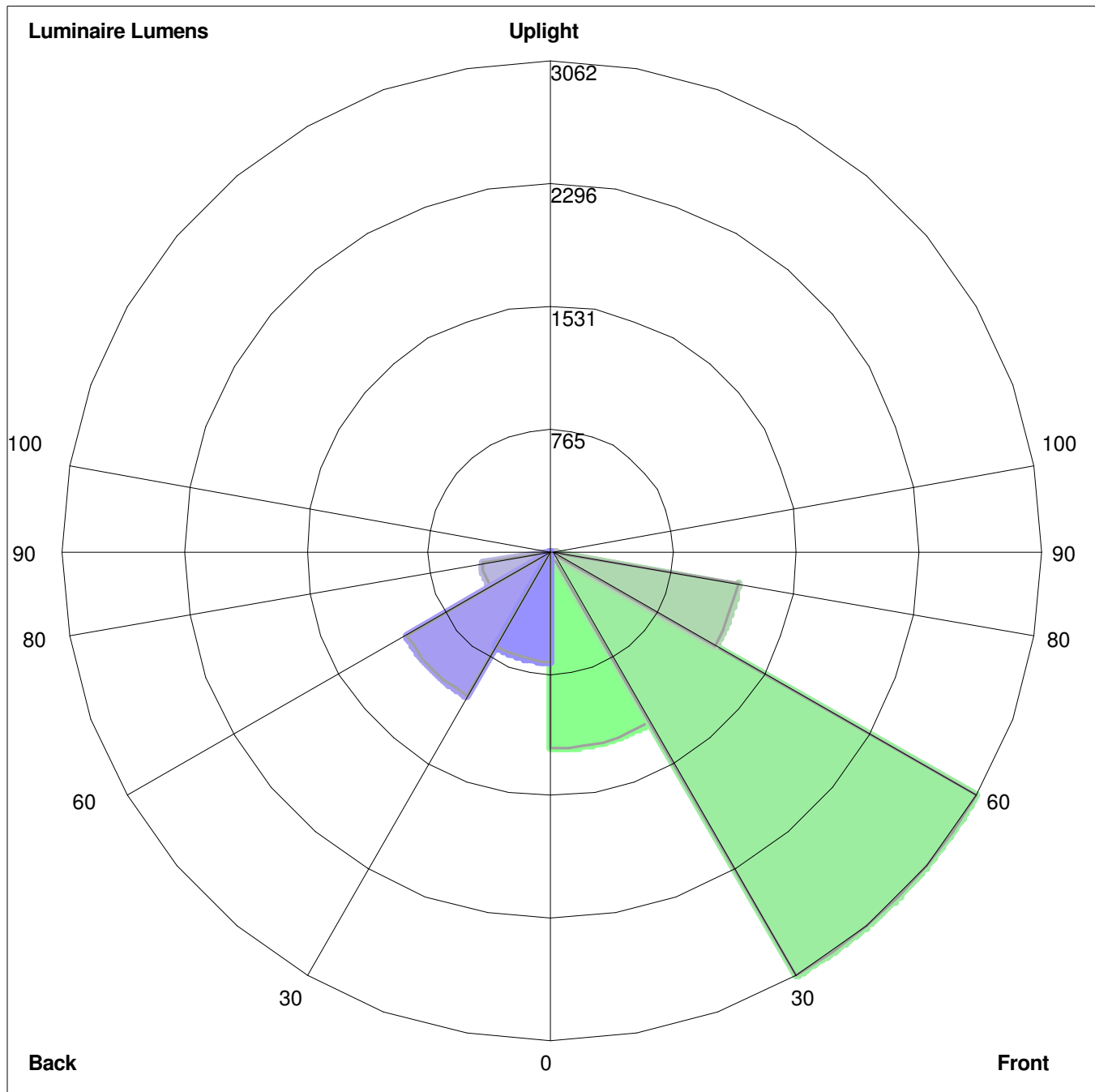


Maximum Candela = 4339.497 Located At Horizontal Angle = 60, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1235.1, Medium=3061.8, High=1183.6, Very High=20.4  
Back: Low=687.9, Medium=1046.7, High=442.8, Very High=2.7  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1