



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-750-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-L85-750-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	9222
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3811.114
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	3811.114
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	1185.922 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-750-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1221.4	N.A.	13.2
FM - Front-Medium (30-60)	3428.0	N.A.	37.2
FH - Front-High (60-80)	1767.8	N.A.	19.2
FVH - Front-Very High (80-90)	73.7	N.A.	0.8
BL - Back-Low (0-30)	774.5	N.A.	8.4
BM - Back-Medium (30-60)	1360.6	N.A.	14.8
BH - Back-High (60-80)	582.4	N.A.	6.3
BVH - Back-Very High (80-90)	13.2	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	9221.6	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	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181
2.5	2443.341	2451.112	2463.547	2454.221	2452.667	2440.232	2427.798	2410.701	2407.592	2387.386
5.0	2511.729	2521.055	2531.935	2525.718	2524.164	2514.838	2502.404	2488.415	2483.752	2449.558
7.5	2566.130	2575.455	2581.672	2577.010	2573.901	2577.010	2570.792	2564.575	2564.575	2525.718
10.0	2660.941	2668.713	2671.821	2664.050	2654.724	2653.170	2642.290	2636.072	2645.398	2604.987
12.5	2761.970	2766.633	2766.633	2766.633	2765.078	2765.078	2740.210	2715.341	2721.558	2678.038
15.0	2782.176	2786.838	2788.393	2803.936	2830.359	2861.444	2849.010	2810.153	2793.056	2737.101
17.5	2793.056	2791.501	2793.056	2799.273	2830.359	2892.530	2922.061	2903.410	2856.781	2785.284
20.0	2931.387	2931.387	2931.387	2894.084	2867.661	2886.313	2940.713	2970.244	2917.399	2827.250
22.5	3211.159	3195.616	3181.628	3088.370	2988.896	2918.953	2922.061	2996.667	2965.582	2872.324
25.0	3470.725	3455.182	3431.868	3290.428	3136.553	3001.330	2918.953	2982.679	3002.884	2901.856
27.5	3638.588	3630.817	3610.611	3441.194	3254.679	3100.805	2960.919	2960.919	3024.645	2925.170
30.0	3758.268	3745.834	3717.857	3539.114	3341.719	3187.845	3029.307	2967.136	3038.633	2942.267
32.5	3808.006	3792.463	3753.606	3598.177	3424.097	3268.668	3103.913	3001.330	3041.742	2956.256
35.0	3811.114	3797.126	3761.377	3627.708	3492.485	3354.154	3178.519	3043.296	3051.067	2984.233
37.5	3756.714	3753.606	3719.411	3627.708	3565.537	3442.748	3250.016	3058.839	3063.502	3010.656
40.0	3539.114	3517.354	3494.039	3525.125	3591.960	3542.222	3323.068	3066.610	3077.490	3058.839
42.5	3023.090	2995.113	2981.124	3158.313	3525.125	3649.468	3410.108	3080.599	3079.045	3128.782
45.0	2440.232	2410.701	2406.038	2583.227	3231.365	3706.977	3490.931	3103.913	3085.262	3195.616
47.5	2043.889	2025.237	2025.237	2165.123	2650.061	3669.674	3574.862	3130.336	3089.925	3264.005
50.0	1820.071	1804.528	1804.528	1933.534	2323.661	3486.268	3669.674	3155.205	3105.467	3319.959
52.5	1633.557	1619.568	1622.677	1748.574	2197.763	3009.102	3685.217	3222.039	3166.085	3375.914
55.0	1475.019	1465.694	1476.574	1596.254	2109.169	2783.730	3532.897	3361.925	3223.593	3444.302
57.5	1370.882	1367.773	1372.436	1485.899	2026.792	2650.061	3158.313	3512.691	3293.536	3455.182
60.0	1230.996	1224.779	1218.562	1324.253	1894.677	2465.101	2814.816	3574.862	3301.308	3425.651
62.5	991.636	983.864	977.647	1083.339	1650.654	2208.643	2479.089	3476.942	3231.365	3389.902
65.0	674.561	669.898	663.681	794.241	1330.471	1879.134	2106.060	3229.811	3189.399	3438.085
67.5	365.258	366.812	380.801	488.046	985.419	1543.408	1774.997	2786.838	3228.256	3490.931
70.0	264.229	265.783	272.000	366.812	730.515	1203.019	1456.368	2364.072	3333.948	3517.354
72.5	202.057	202.057	209.829	279.772	562.652	904.596	1131.522	1955.294	3267.113	3324.622
75.0	155.429	153.875	158.537	208.275	424.321	626.378	812.893	1454.814	2911.181	2816.370
77.5	108.800	107.246	111.909	141.440	301.532	413.441	545.555	941.899	2318.998	2012.803
80.0	65.280	63.726	66.834	83.932	189.623	262.675	317.075	626.378	1185.922	941.899
82.5	34.194	32.640	34.194	40.411	96.366	144.549	150.766	410.332	427.429	345.052
85.0	15.543	13.989	15.543	18.651	38.857	65.280	63.726	181.852	133.669	133.669
87.5	4.663	4.663	4.663	6.217	10.880	15.543	20.206	40.411	35.749	40.411
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	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181	2367.181
2.5	2371.844	2362.518	2356.301	2343.866	2337.649	2317.443	2306.563	2300.346	2295.683	2286.358
5.0	2421.581	2402.929	2387.386	2353.192	2323.661	2270.815	2235.066	2203.980	2180.666	2160.460
7.5	2489.969	2463.547	2437.124	2378.061	2323.661	2245.946	2185.329	2135.592	2095.180	2068.757
10.0	2558.358	2525.718	2489.969	2406.038	2329.878	2236.620	2160.460	2101.397	2051.660	2019.020
12.5	2615.867	2573.901	2531.935	2426.244	2336.095	2231.958	2157.352	2084.300	2011.249	1945.969
15.0	2662.495	2612.758	2555.250	2432.461	2326.769	2228.849	2149.580	2036.117	1916.437	1809.191
17.5	2698.244	2637.627	2566.130	2421.581	2306.563	2213.306	2102.952	1931.980	1751.683	1565.168
20.0	2723.113	2651.615	2566.130	2398.266	2280.141	2177.558	2011.249	1756.345	1440.825	1112.870
22.5	2744.873	2662.495	2569.238	2379.615	2259.935	2112.277	1869.808	1457.922	993.190	792.687
25.0	2771.296	2678.038	2572.347	2370.289	2233.512	2020.574	1647.545	1033.602	798.904	772.481
27.5	2786.838	2687.364	2573.901	2365.626	2203.980	1899.340	1338.242	840.870	808.230	847.087

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CANDELA TABULATION - (Cont.)

30.0	2796.164	2690.473	2563.021	2353.192	2160.460	1739.248	1013.396	826.881	879.727	934.127
32.5	2800.827	2682.701	2542.815	2331.432	2099.843	1532.528	892.161	870.401	949.670	996.299
35.0	2794.610	2664.050	2513.284	2308.118	2023.683	1318.036	890.607	906.150	966.767	966.767
37.5	2797.718	2648.507	2483.752	2273.923	1924.209	1101.990	881.281	903.041	912.367	918.584
40.0	2813.261	2646.953	2465.101	2230.403	1790.540	926.356	843.978	847.087	857.967	929.464
42.5	2839.684	2651.615	2451.112	2174.449	1639.774	792.687	755.384	798.904	899.933	1119.087
45.0	2880.096	2665.604	2446.449	2123.157	1457.922	674.561	662.127	755.384	1063.133	1229.442
47.5	2934.496	2701.353	2465.101	2084.300	1294.722	556.435	570.424	882.836	1129.967	1268.299
50.0	3002.884	2741.764	2486.861	2054.769	1170.379	463.178	517.578	946.561	1007.179	937.236
52.5	3052.622	2775.958	2510.175	2046.997	1114.425	407.223	534.675	705.647	531.567	484.938
55.0	3144.325	2844.347	2564.575	2062.540	1088.002	366.812	414.995	405.669	357.486	343.498
57.5	3262.451	2925.170	2601.878	2045.443	1024.276	340.389	313.966	317.075	309.303	292.206
60.0	3284.211	2970.244	2646.953	2006.586	941.899	313.966	275.109	273.555	276.663	268.892
62.5	3327.731	2970.244	2629.855	1897.786	867.293	285.989	250.240	236.252	247.132	237.806
65.0	3430.314	3023.090	2625.192	1806.083	780.253	256.458	219.155	202.057	188.069	198.949
67.5	3584.188	3121.010	2704.461	1835.614	704.092	230.035	172.526	138.332	116.572	105.692
70.0	3651.023	3147.433	2723.113	1890.014	632.595	195.840	116.572	65.280	29.531	6.217
72.5	3427.205	2925.170	2517.947	1784.323	548.664	146.103	59.063	12.434	4.663	4.663
75.0	2726.221	2315.889	1981.717	1507.659	393.235	85.486	10.880	4.663	3.109	3.109
77.5	1560.505	1318.036	1108.207	1056.916	191.177	24.869	3.109	3.109	1.554	1.554
80.0	575.087	481.829	366.812	435.201	62.172	4.663	1.554	1.554	1.554	1.554
82.5	208.275	169.417	135.223	116.572	17.097	1.554	1.554	1.554	1.554	0.000
85.0	79.269	68.389	55.954	32.640	3.109	1.554	1.554	1.554	1.554	1.554
87.5	23.314	21.760	18.651	4.663	1.554	1.554	1.554	1.554	1.554	1.554
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

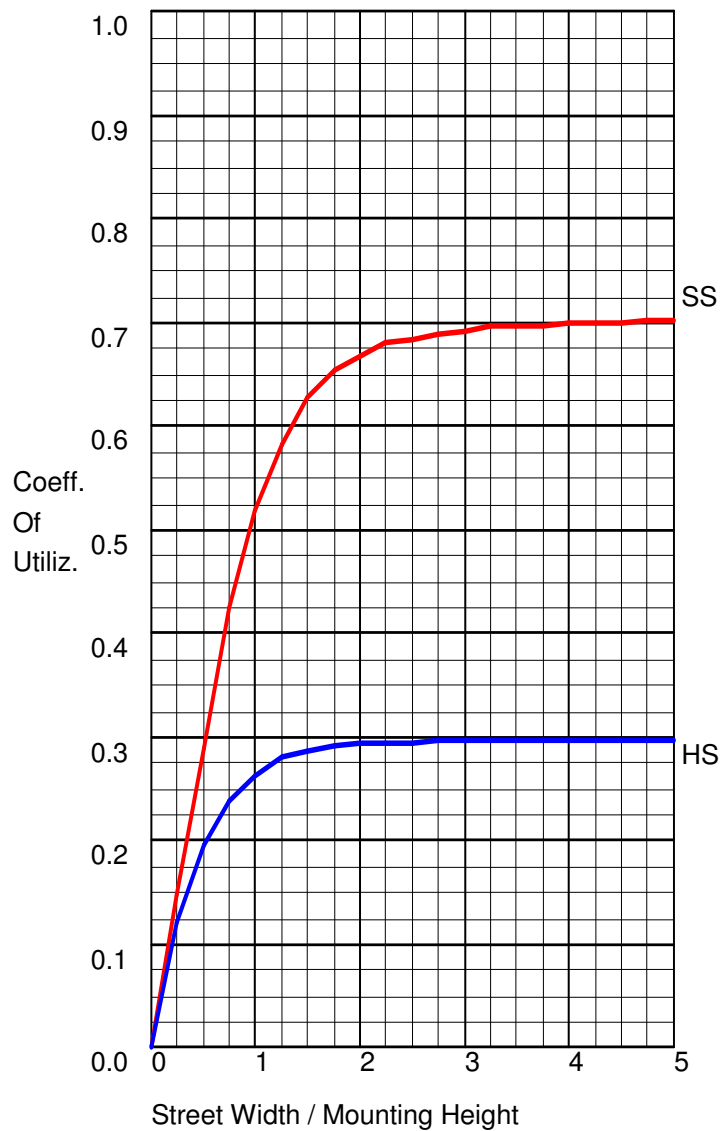
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	2367.181	2367.181
2.5	2297.238	2294.129
5.0	2166.678	2166.678
7.5	2067.203	2081.192
10.0	2011.249	2028.346
12.5	1921.100	1941.306
15.0	1762.563	1762.563
17.5	1475.019	1451.705
20.0	982.310	949.670
22.5	755.384	756.938
25.0	777.144	777.144
27.5	862.630	862.630
30.0	951.224	951.224
32.5	1005.624	1005.624
35.0	963.659	960.550
37.5	923.247	921.693
40.0	1032.047	1028.939
42.5	1199.910	1198.356
45.0	1294.722	1293.168
47.5	1305.602	1316.482
50.0	857.967	885.944
52.5	478.721	492.709
55.0	337.281	341.943
57.5	284.435	284.435
60.0	264.229	262.675
62.5	250.240	251.795
65.0	234.697	240.915

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-750-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	68.389	46.629
70.0	4.663	4.663
72.5	4.663	4.663
75.0	3.109	3.109
77.5	1.554	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.554
87.5	1.554	0.000
90.0	0.000	0.000

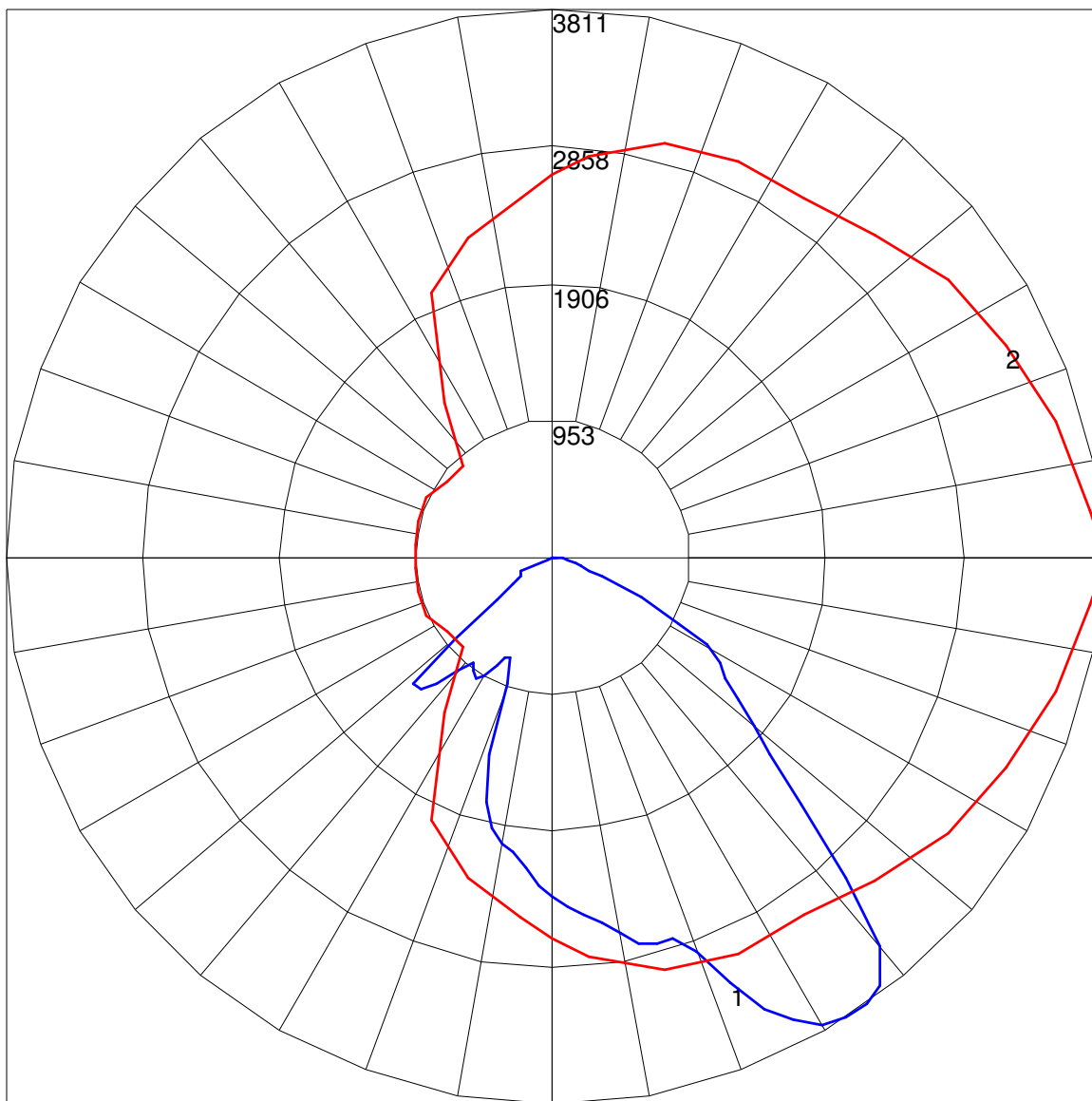
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

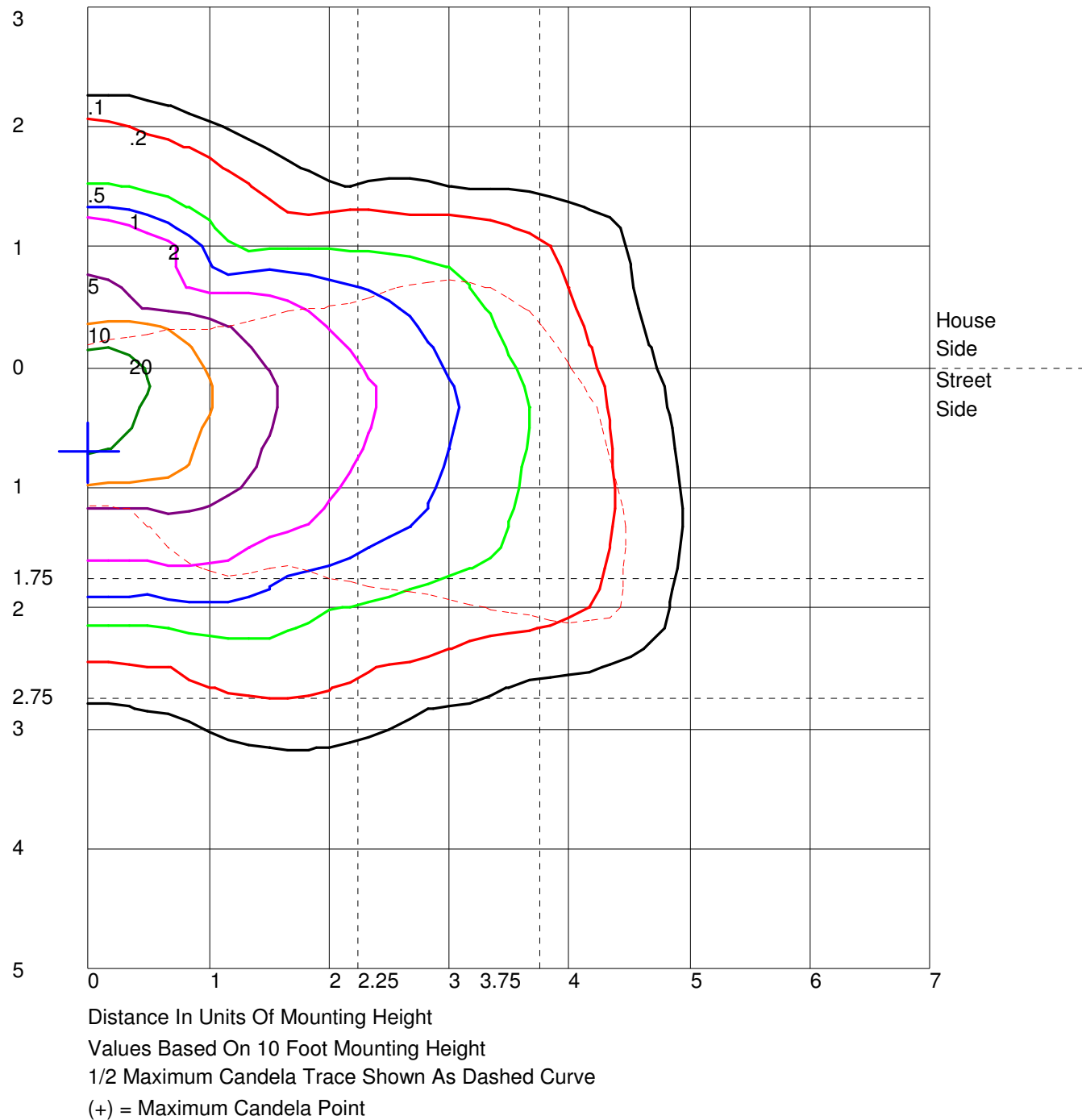
	Lumens	Percent Of Luminaire
Downward Street Side	6490.9	70.4
Downward House Side	2730.7	29.6
Downward Total	9221.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9221.6	100.0

POLAR GRAPH

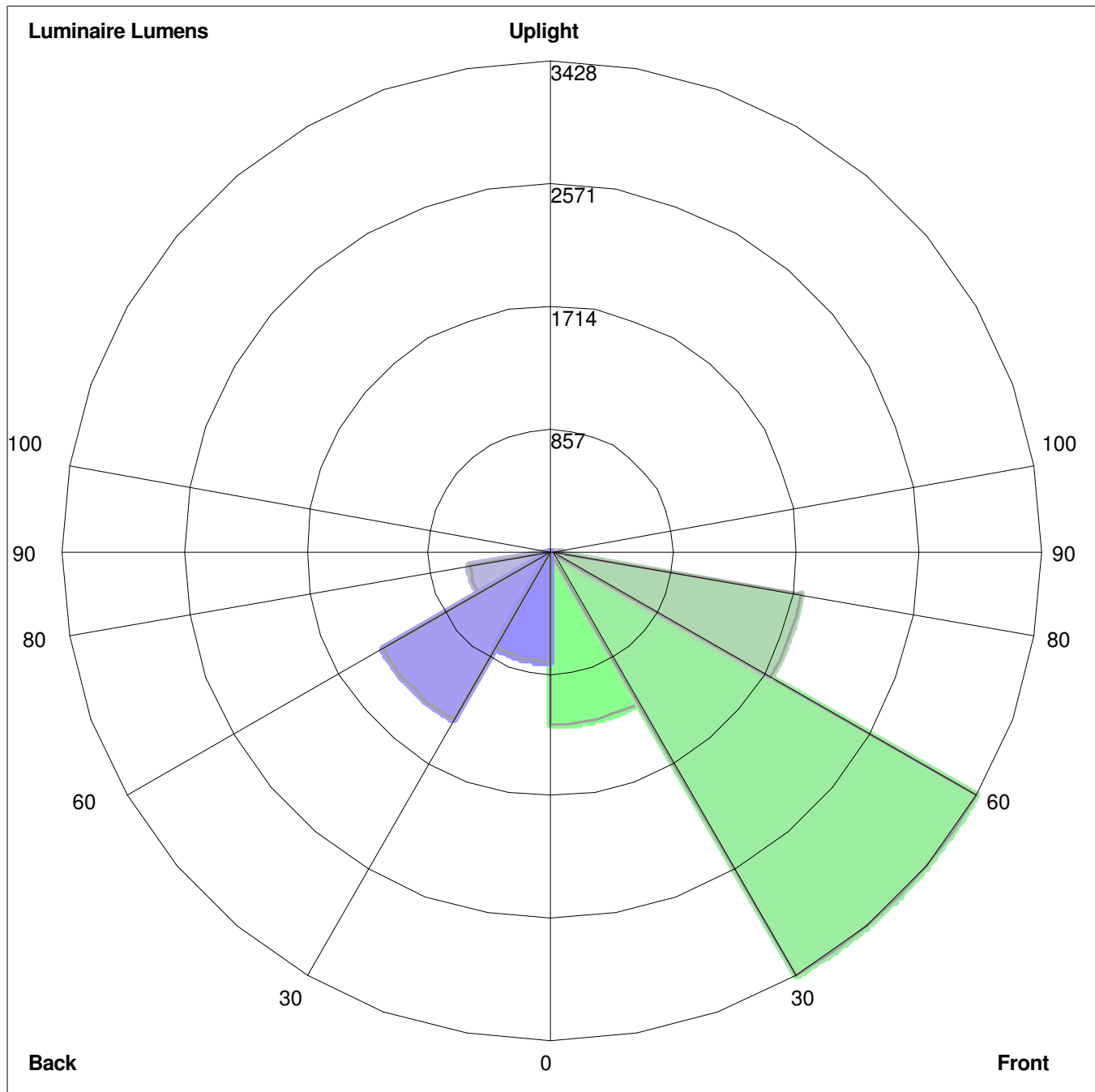


Maximum Candela = 3811.114 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1221.4, Medium= 3428.0, High=1767.8, Very High=73.7
Back: Low=774.5, Medium=1360.6, High=582.4, Very High=13.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2