



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-750-T3-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009419
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L85-750-T3-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] WITH TYPE III DISTRIBUTION AND
[MORE] MICRO-PRISMATIC GLASS LENS
[LAMPCAT] X4-LUXEON M
[LAMP] 8 WHITE LED
[_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	9037
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3810.306
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	3810.306
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	858.938 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1294.8	N.A.	14.3
FM - Front-Medium (30-60)	3423.4	N.A.	37.9
FH - Front-High (60-80)	1411.8	N.A.	15.6
FVH - Front-Very High (80-90)	108.8	N.A.	1.2
BL - Back-Low (0-30)	819.1	N.A.	9.1
BM - Back-Medium (30-60)	1449.6	N.A.	16.0
BH - Back-High (60-80)	502.8	N.A.	5.6
BVH - Back-Very High (80-90)	27.1	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	9037.4	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>10.0</u>	<u>15.0</u>	<u>20.0</u>	<u>25.0</u>	<u>30.0</u>	<u>35.0</u>	<u>40.0</u>
0.0	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513
2.5	2562.734	2568.366	2562.734	2579.631	2576.815	2573.999	2568.366	2557.101	2551.469	2548.653
5.0	2669.749	2669.749	2669.749	2681.014	2678.198	2672.565	2664.117	2652.852	2641.587	2633.139
7.5	2714.808	2714.808	2714.808	2723.257	2717.624	2709.176	2700.727	2700.727	2700.727	2697.911
10.0	2807.742	2807.742	2804.926	2804.926	2793.661	2785.213	2776.764	2773.948	2765.500	2759.867
12.5	2923.206	2928.839	2920.390	2917.574	2906.309	2903.493	2892.228	2883.780	2869.699	2855.618
15.0	3030.221	3035.854	3027.405	3016.141	3004.876	2999.243	2990.795	2996.427	2990.795	2965.449
17.5	3120.340	3125.972	3117.523	3100.626	3078.097	3064.016	3061.200	3072.464	3069.648	3058.383
20.0	3294.943	3292.127	3275.230	3252.701	3227.355	3190.744	3162.582	3145.685	3128.788	3117.523
22.5	3480.812	3480.812	3461.099	3430.121	3393.510	3359.716	3325.922	3266.782	3218.906	3179.480
25.0	3624.438	3627.254	3604.724	3570.930	3531.503	3483.628	3444.202	3387.878	3340.002	3263.965
27.5	3745.534	3745.534	3725.821	3683.578	3630.070	3590.643	3539.952	3483.628	3424.488	3382.245
30.0	3810.306	3804.674	3782.144	3756.799	3703.291	3663.864	3604.724	3559.665	3517.423	3458.282
32.5	3779.328	3779.328	3762.431	3739.902	3720.188	3692.026	3652.600	3615.989	3579.379	3517.423
35.0	3680.762	3675.129	3658.232	3652.600	3649.783	3652.600	3641.335	3644.151	3610.357	3562.482
37.5	3523.055	3514.606	3500.525	3508.974	3517.423	3537.136	3576.563	3604.724	3615.989	3579.379
40.0	3244.252	3241.436	3249.884	3266.782	3309.024	3365.348	3458.282	3542.768	3596.276	3590.643
42.5	2895.044	2906.309	2911.941	2942.920	3035.854	3117.523	3280.862	3438.569	3531.503	3559.665
45.0	2517.675	2540.204	2559.918	2613.425	2709.176	2827.456	3038.670	3263.965	3424.488	3506.158
47.5	2196.629	2207.894	2230.423	2289.563	2388.130	2534.572	2765.500	3033.038	3252.701	3407.591
50.0	1931.907	1943.172	1948.804	2007.944	2114.959	2267.034	2509.226	2776.764	3035.854	3255.517
52.5	1675.634	1686.898	1692.531	1757.303	1861.502	2019.209	2264.218	2537.388	2807.742	3052.751
55.0	1453.155	1470.052	1475.684	1532.008	1636.207	1785.465	2038.922	2317.725	2571.182	2810.559
57.5	1258.837	1270.102	1275.735	1323.610	1419.360	1574.251	1805.178	2081.165	2323.358	2551.469
60.0	1081.417	1084.234	1087.050	1132.109	1219.411	1365.853	1585.516	1836.157	2058.636	2267.034
62.5	909.630	909.630	918.078	963.137	1033.542	1188.433	1377.117	1596.780	1796.730	1999.496
65.0	746.291	746.291	754.739	808.247	873.019	1013.829	1179.984	1365.853	1540.456	1726.325
67.5	608.297	605.481	611.113	661.805	726.577	847.673	991.299	1163.087	1312.345	1470.052
70.0	487.201	484.385	492.833	532.260	582.952	692.783	819.512	954.689	1095.498	1227.859
72.5	385.818	383.002	388.634	422.429	470.304	554.790	658.989	782.901	892.733	999.748
75.0	298.516	295.700	298.516	326.678	363.289	430.877	520.995	611.113	701.232	788.533
77.5	219.663	216.847	219.663	242.192	267.538	321.046	391.451	456.223	523.812	599.849
80.0	152.074	149.258	152.074	166.155	185.869	222.479	273.171	321.046	368.921	422.429
82.5	92.934	92.934	92.934	104.199	115.464	137.993	168.971	202.766	230.928	264.722
85.0	47.875	45.059	45.059	50.691	59.140	70.405	87.302	101.383	118.280	135.177
87.5	14.081	14.081	14.081	16.897	16.897	19.713	25.346	30.978	36.610	42.243
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>45.0</u>	<u>50.0</u>	<u>55.0</u>	<u>60.0</u>	<u>65.0</u>	<u>70.0</u>	<u>75.0</u>	<u>80.0</u>	<u>85.0</u>	<u>90.0</u>
0.0	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513
2.5	2551.469	2543.020	2528.939	2520.491	2520.491	2517.675	2506.410	2500.778	2492.329	2483.880
5.0	2630.322	2616.241	2596.528	2579.631	2571.182	2565.550	2545.837	2531.756	2517.675	2500.778
7.5	2700.727	2692.279	2681.014	2661.300	2650.036	2638.771	2616.241	2593.712	2573.999	2545.837
10.0	2754.235	2754.235	2745.786	2737.338	2728.889	2714.808	2695.095	2669.749	2635.955	2602.160
12.5	2847.169	2841.537	2833.088	2821.823	2804.926	2790.845	2765.500	2737.338	2692.279	2650.036
15.0	2942.920	2928.839	2909.125	2886.596	2866.882	2849.985	2824.640	2793.661	2742.970	2689.462
17.5	3033.038	3010.508	2987.979	2954.184	2931.655	2911.941	2883.780	2849.985	2785.213	2720.440
20.0	3097.810	3075.281	3069.648	3044.302	3002.060	2965.449	2928.839	2886.596	2813.375	2740.154
22.5	3142.869	3131.604	3125.972	3094.994	3044.302	3007.692	2973.898	2926.022	2861.250	2768.316
25.0	3207.642	3168.215	3156.950	3140.053	3097.810	3052.751	3013.324	2959.817	2895.044	2802.110
27.5	3309.024	3218.906	3199.193	3171.031	3137.237	3080.913	3038.670	2985.162	2909.125	2807.742

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CANDELA TABULATION - (Cont.)

30.0	3393.510	3306.208	3238.620	3204.825	3176.663	3131.604	3066.832	3010.508	2923.206	2807.742
32.5	3458.282	3379.429	3303.392	3238.620	3210.458	3165.399	3109.075	3041.486	2937.287	2816.191
35.0	3497.709	3430.121	3345.635	3289.311	3258.333	3216.090	3140.053	3058.383	2959.817	2830.272
37.5	3523.055	3449.834	3387.878	3325.922	3292.127	3255.517	3187.928	3094.994	2982.346	2833.088
40.0	3534.320	3466.731	3404.775	3356.900	3325.922	3286.495	3216.090	3103.442	2976.714	2821.823
42.5	3537.136	3466.731	3396.326	3365.348	3314.657	3292.127	3241.436	3131.604	2999.243	2833.088
45.0	3508.974	3447.018	3379.429	3337.186	3323.105	3309.024	3266.782	3159.766	3018.957	2833.088
47.5	3447.018	3404.775	3331.554	3303.392	3314.657	3311.841	3272.414	3173.847	3021.773	2827.456
50.0	3342.819	3328.738	3275.230	3272.414	3286.495	3303.392	3294.943	3202.009	3033.038	2827.456
52.5	3193.561	3224.539	3221.722	3224.539	3255.517	3278.046	3286.495	3196.377	3024.589	2804.926
55.0	2985.162	3080.913	3142.869	3179.480	3204.825	3244.252	3255.517	3185.112	3021.773	2779.580
57.5	2740.154	2903.493	3007.692	3066.832	3111.891	3154.134	3176.663	3111.891	2954.184	2714.808
60.0	2472.616	2681.014	2819.007	2906.309	2971.081	3033.038	3061.200	3002.060	2849.985	2627.506
62.5	2205.078	2436.005	2607.793	2726.073	2827.456	2889.412	2928.839	2880.963	2737.338	2514.859
65.0	1929.091	2174.099	2357.152	2503.594	2635.955	2706.360	2776.764	2740.154	2607.793	2374.049
67.5	1670.001	1889.664	2089.614	2244.504	2405.027	2492.329	2559.918	2545.837	2416.292	2207.894
70.0	1408.095	1593.964	1785.465	1960.069	2129.040	2219.158	2298.012	2275.482	2162.835	1971.334
72.5	1149.006	1309.529	1489.765	1661.553	1816.443	1906.561	1971.334	1934.723	1833.340	1678.450
75.0	906.813	1041.991	1216.594	1351.772	1484.133	1554.537	1602.413	1562.986	1470.052	1343.323
77.5	684.334	791.350	934.975	1044.807	1149.006	1185.616	1222.227	1177.168	1101.131	1005.380
80.0	484.385	560.422	670.253	746.291	822.328	836.409	858.938	825.144	768.820	706.864
82.5	304.149	363.289	430.877	478.752	526.628	560.422	551.973	523.812	501.282	453.407
85.0	154.891	188.685	222.479	247.825	275.987	295.700	290.068	273.171	270.354	242.192
87.5	47.875	59.140	73.221	78.853	90.118	101.383	98.567	90.118	92.934	84.486
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>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>110.0</u>	<u>115.0</u>	<u>120.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>	<u>140.0</u>
0.0	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513
2.5	2475.432	2466.983	2461.351	2450.086	2441.638	2436.005	2436.005	2433.189	2427.557	2424.740
5.0	2483.880	2466.983	2450.086	2427.557	2410.659	2396.579	2388.130	2382.498	2368.417	2357.152
7.5	2520.491	2492.329	2461.351	2436.005	2407.843	2388.130	2371.233	2345.887	2323.358	2303.644
10.0	2568.366	2528.939	2489.513	2455.719	2416.292	2382.498	2351.519	2312.093	2278.298	2241.688
12.5	2604.977	2559.918	2517.675	2469.799	2424.740	2379.681	2331.806	2272.666	2221.975	2171.283
15.0	2630.322	2573.999	2514.859	2466.983	2416.292	2357.152	2289.563	2221.975	2162.835	2095.246
17.5	2650.036	2582.447	2514.859	2444.454	2376.865	2306.460	2227.607	2154.386	2075.533	1991.047
20.0	2655.668	2588.079	2514.859	2427.557	2345.887	2261.401	2162.835	2055.819	1954.437	1841.789
22.5	2669.749	2588.079	2503.594	2405.027	2306.460	2199.445	2075.533	1940.356	1799.546	1661.553
25.0	2695.095	2599.344	2492.329	2382.498	2258.585	2123.408	1965.701	1799.546	1636.207	1478.500
27.5	2700.727	2593.712	2469.799	2345.887	2205.078	2033.290	1844.605	1655.920	1481.316	1320.794
30.0	2689.462	2579.631	2441.638	2289.563	2131.857	1934.723	1720.693	1509.478	1334.875	1196.881
32.5	2692.279	2557.101	2416.292	2252.953	2053.003	1822.076	1588.332	1377.117	1219.411	1112.395
35.0	2683.830	2537.388	2382.498	2190.997	1968.517	1712.244	1461.603	1258.837	1120.844	1041.991
37.5	2678.198	2523.307	2340.255	2123.408	1867.135	1593.964	1332.058	1143.374	1039.174	985.667
40.0	2661.300	2492.329	2289.563	2050.187	1774.200	1467.235	1210.962	1033.542	951.873	923.711
42.5	2658.484	2464.167	2247.320	1968.517	1664.369	1343.323	1092.682	937.792	875.835	864.571
45.0	2638.771	2436.005	2190.997	1881.216	1546.089	1210.962	982.851	847.673	799.798	805.431
47.5	2604.977	2390.946	2129.040	1802.362	1441.890	1101.131	878.652	766.004	732.210	746.291
50.0	2593.712	2362.784	2075.533	1726.325	1343.323	1005.380	794.166	695.599	667.437	684.334
52.5	2562.734	2317.725	2013.577	1653.104	1258.837	920.894	718.129	619.562	594.216	619.562
55.0	2528.939	2261.401	1948.804	1574.251	1182.800	850.490	650.540	557.606	537.892	551.973
57.5	2452.902	2179.732	1867.135	1484.133	1095.498	777.269	588.584	501.282	478.752	478.752
60.0	2362.784	2078.349	1757.303	1382.750	1005.380	706.864	529.444	450.591	419.612	411.164
62.5	2252.953	1968.517	1647.472	1278.551	915.262	642.092	478.752	399.899	366.105	354.840
65.0	2134.673	1844.605	1526.375	1168.719	830.776	582.952	425.245	352.024	318.230	304.149

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CANDELA TABULATION - (Cont.)

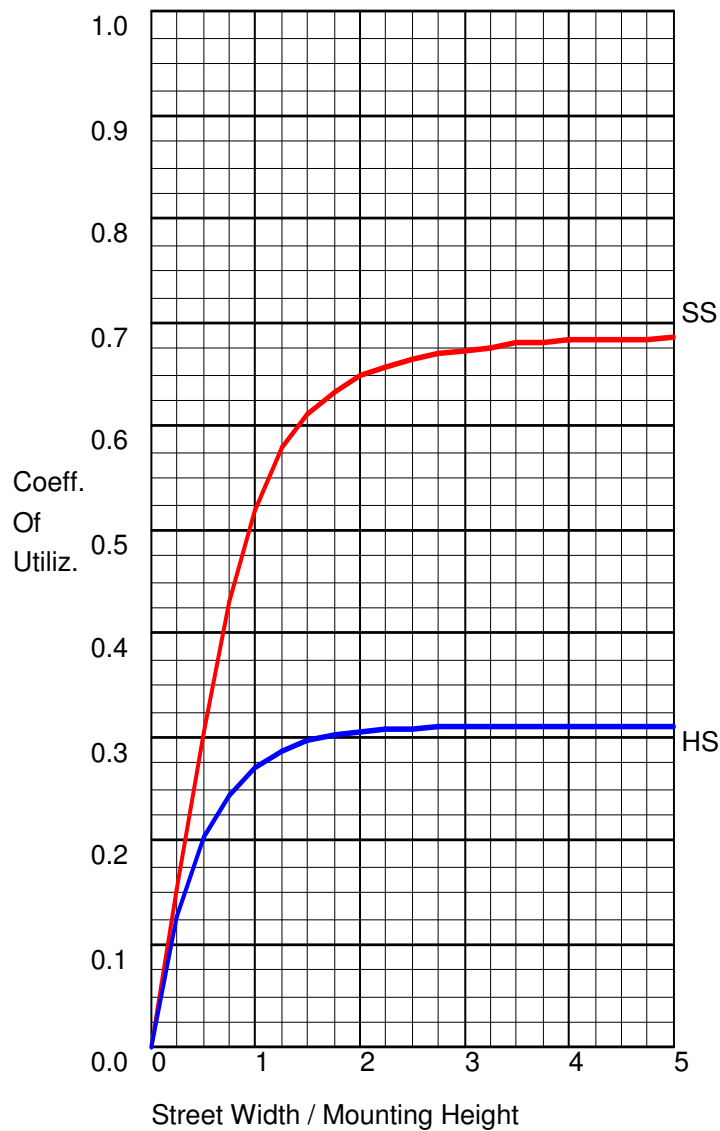
67.5	1965.701	1695.347	1391.198	1058.888	740.658	515.363	371.737	304.149	270.354	250.641
70.0	1751.671	1506.662	1236.308	926.527	644.908	442.142	315.413	253.457	214.031	180.236
72.5	1486.949	1281.367	1050.439	785.717	540.709	363.289	247.825	188.685	143.626	98.567
75.0	1194.065	1027.910	847.673	633.643	428.061	264.722	152.074	109.831	50.691	19.713
77.5	889.916	788.533	650.540	478.752	295.700	118.280	59.140	19.713	5.632	2.816
80.0	628.011	560.422	461.855	298.516	64.772	22.530	8.449	2.816	2.816	0.000
82.5	405.531	360.472	295.700	126.729	19.713	5.632	2.816	2.816	0.000	0.000
85.0	216.847	194.317	143.626	28.162	5.632	2.816	2.816	2.816	0.000	0.000
87.5	81.670	67.589	19.713	2.816	2.816	0.000	0.000	0.000	0.000	0.000
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>145.0</u>	<u>150.0</u>	<u>155.0</u>	<u>160.0</u>	<u>165.0</u>	<u>170.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513	2489.513
2.5	2421.924	2424.740	2419.108	2421.924	2427.557	2421.924	2413.476	2405.027
5.0	2351.519	2345.887	2334.622	2337.438	2343.071	2334.622	2331.806	2323.358
7.5	2286.747	2272.666	2250.137	2244.504	2244.504	2241.688	2236.056	2238.872
10.0	2210.710	2188.180	2157.202	2129.040	2117.776	2109.327	2100.878	2106.511
12.5	2126.224	2089.614	2041.738	2005.128	1982.598	1957.253	1960.069	1965.701
15.0	2019.209	1957.253	1895.297	1833.340	1802.362	1768.568	1771.384	1777.016
17.5	1886.848	1793.914	1715.060	1633.391	1582.699	1534.824	1529.192	1534.824
20.0	1717.876	1602.413	1495.397	1413.728	1354.588	1303.896	1286.999	1286.999
22.5	1515.111	1402.463	1309.529	1225.043	1177.168	1143.374	1120.844	1115.212
25.0	1329.242	1236.308	1160.271	1106.763	1072.969	1056.072	1044.807	1041.991
27.5	1199.697	1132.109	1081.417	1047.623	1027.910	1022.277	1022.277	1019.461
30.0	1118.028	1070.153	1039.174	1022.277	1025.094	1027.910	1036.358	1030.726
32.5	1056.072	1033.542	1025.094	1033.542	1050.439	1061.704	1072.969	1072.969
35.0	1005.380	1008.196	1019.461	1041.991	1061.704	1084.234	1103.947	1106.763
37.5	971.586	985.667	1008.196	1033.542	1056.072	1078.601	1098.314	1101.131
40.0	932.159	951.873	982.851	1013.829	1041.991	1070.153	1092.682	1092.682
42.5	881.468	912.446	960.321	999.748	1036.358	1064.520	1084.234	1089.866
45.0	839.225	881.468	932.159	963.137	996.932	1027.910	1047.623	1056.072
47.5	791.350	830.776	870.203	903.997	923.711	951.873	960.321	965.953
50.0	732.210	760.372	785.717	808.247	813.879	836.409	839.225	839.225
52.5	650.540	673.070	689.967	695.599	698.415	706.864	709.680	704.048
55.0	568.871	582.952	588.584	588.584	585.768	594.216	599.849	588.584
57.5	481.569	487.201	492.833	492.833	495.650	498.466	501.282	498.466
60.0	413.980	411.164	419.612	419.612	422.429	425.245	422.429	422.429
62.5	352.024	352.024	352.024	349.208	343.575	343.575	343.575	343.575
65.0	298.516	290.068	273.171	259.090	256.273	245.009	245.009	245.009
67.5	230.928	208.398	180.236	154.891	123.912	73.221	59.140	56.324
70.0	146.442	104.199	50.691	30.978	22.530	14.081	14.081	14.081
72.5	45.059	19.713	11.265	8.449	5.632	5.632	5.632	5.632
75.0	8.449	5.632	2.816	2.816	2.816	2.816	2.816	2.816
77.5	2.816	2.816	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

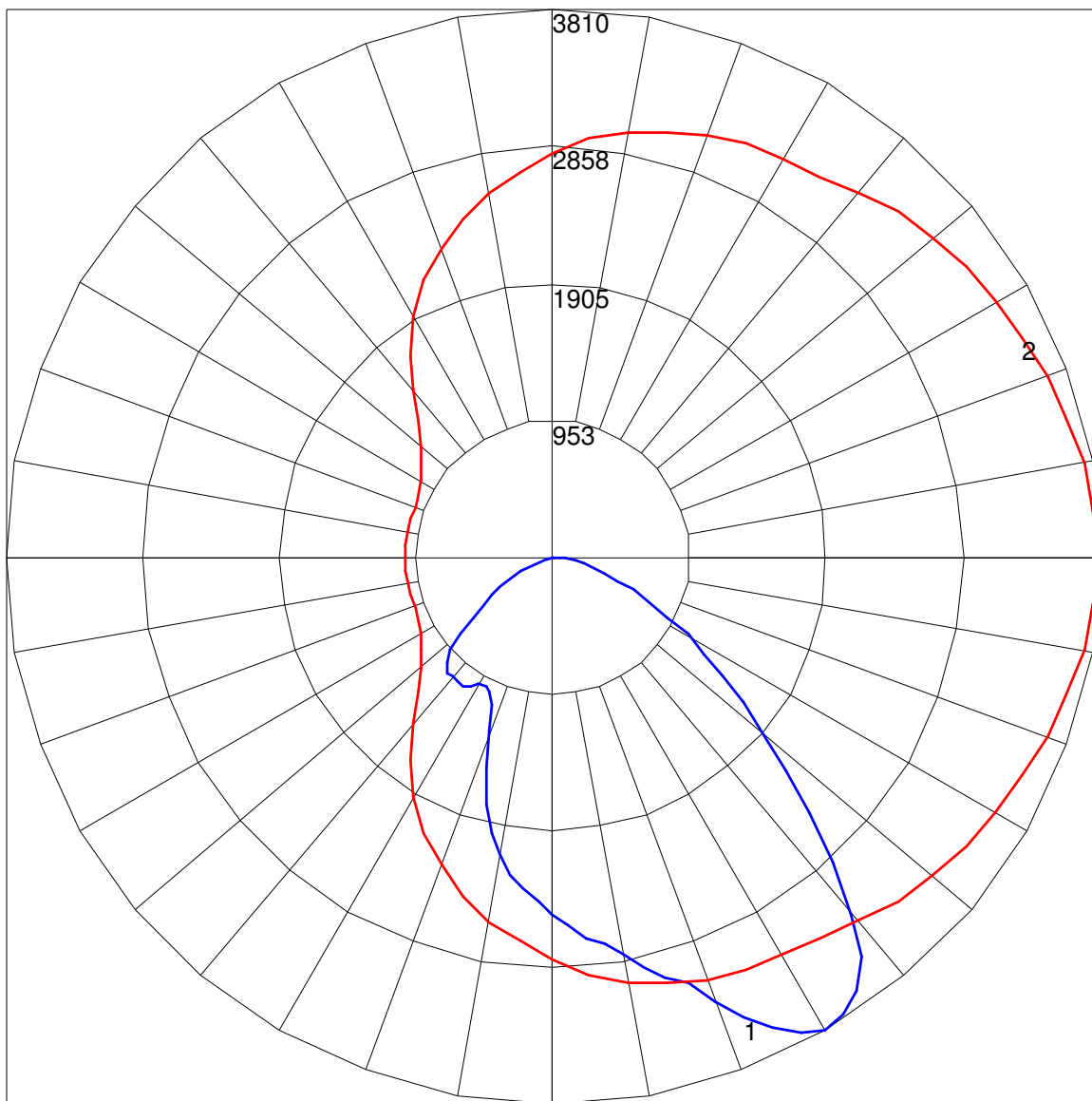
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

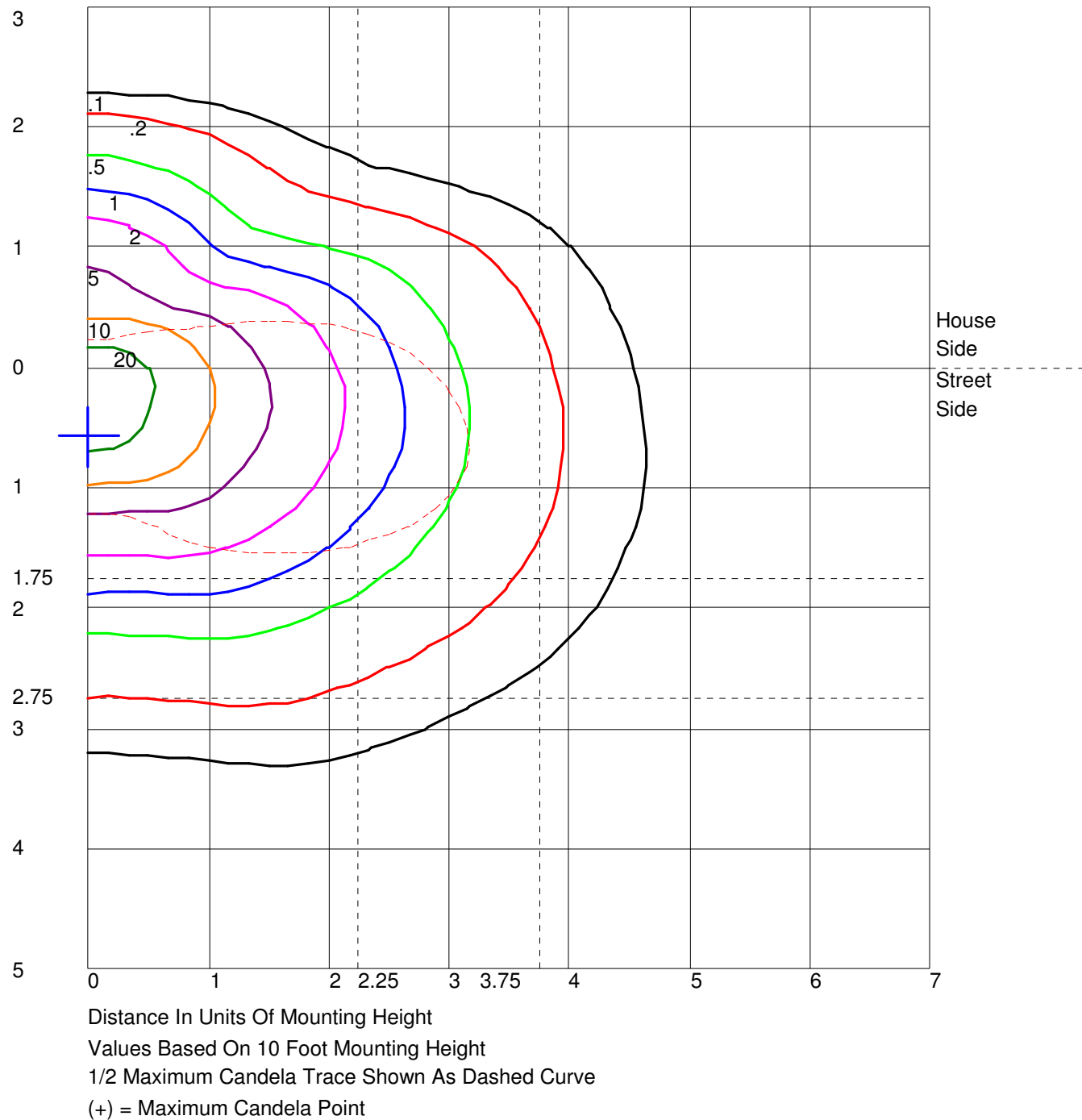
	Lumens	Percent Of Luminaire
Downward Street Side	6238.9	69.0
Downward House Side	2798.5	31.0
Downward Total	9037.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9037.4	100.0

POLAR GRAPH

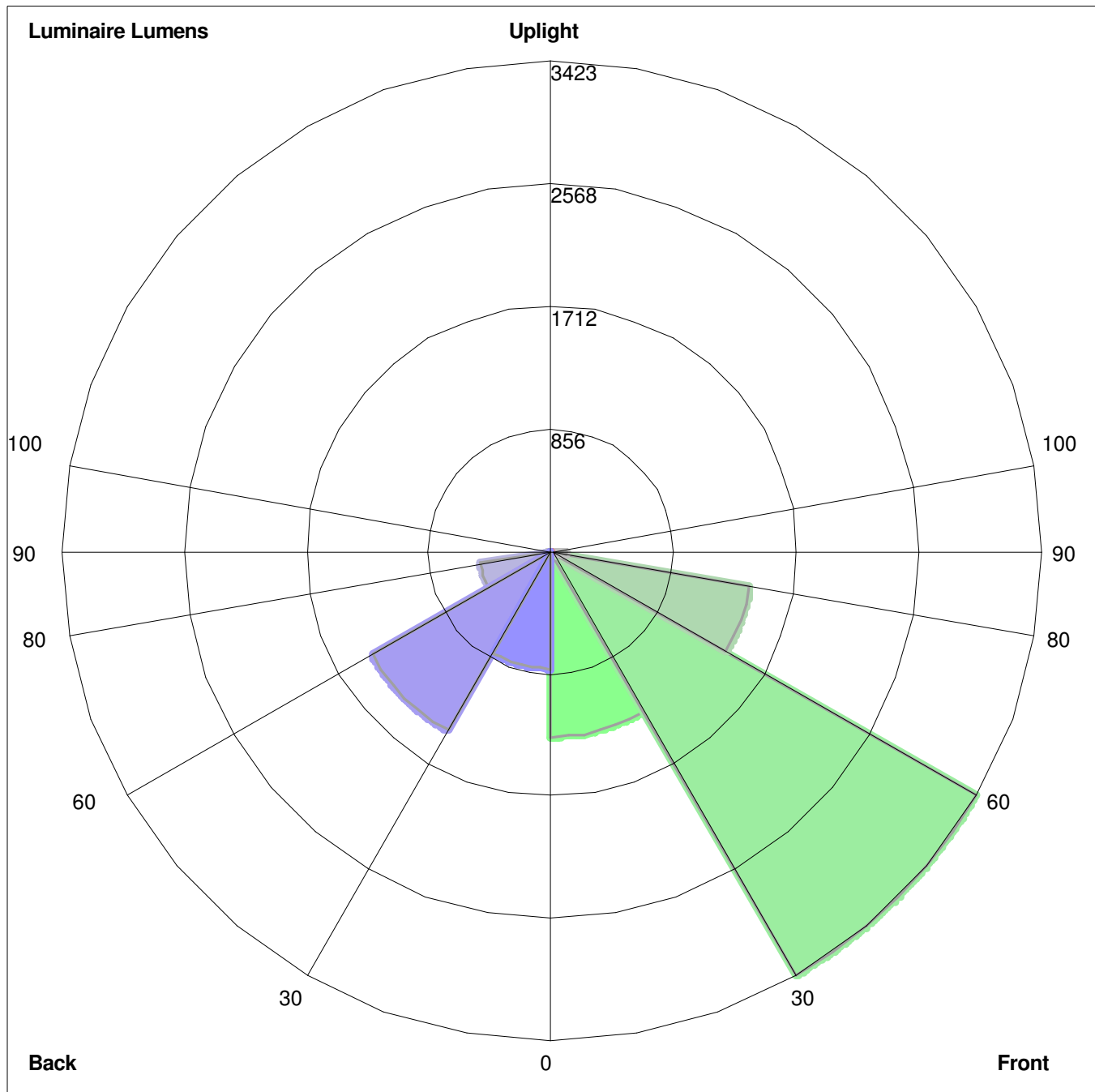


Maximum Candela = 3810.306 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1294.8, Medium=3423.4, High=1411.8, Very High=108.8
Back: Low=819.1, Medium=1449.6, High=502.8, Very High=27.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2