



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-830-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-L85-830-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	7700
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	3182.095
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	3182.095
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	990.187 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-830-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1019.8	N.A.	13.2
FM - Front-Medium (30-60)	2862.2	N.A.	37.2
FH - Front-High (60-80)	1476.1	N.A.	19.2
FVH - Front-Very High (80-90)	61.5	N.A.	0.8
BL - Back-Low (0-30)	646.7	N.A.	8.4
BM - Back-Medium (30-60)	1136.1	N.A.	14.8
BH - Back-High (60-80)	486.3	N.A.	6.3
BVH - Back-Very High (80-90)	11.0	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	7699.7	N.A.	100.0
BUG Rating	B2-U0-G1		

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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	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481
2.5	2040.071	2046.560	2056.942	2049.155	2047.857	2037.475	2027.093	2012.818	2010.222	1993.352
5.0	2097.172	2104.959	2114.043	2108.852	2107.554	2099.768	2089.386	2077.706	2073.812	2045.262
7.5	2142.594	2150.380	2155.571	2151.678	2149.082	2151.678	2146.487	2141.296	2141.296	2108.852
10.0	2221.757	2228.245	2230.841	2224.352	2216.566	2215.268	2206.184	2200.992	2208.779	2175.037
12.5	2306.111	2310.004	2310.004	2310.004	2308.706	2308.706	2287.942	2267.178	2272.369	2236.032
15.0	2322.981	2326.875	2328.172	2341.150	2363.212	2389.167	2378.785	2346.341	2332.066	2285.347
17.5	2332.066	2330.768	2332.066	2337.257	2363.212	2415.122	2439.779	2424.206	2385.274	2325.577
20.0	2447.566	2447.566	2447.566	2416.420	2394.358	2409.931	2455.352	2480.010	2435.886	2360.616
22.5	2681.162	2668.184	2656.504	2578.639	2495.583	2437.184	2439.779	2502.072	2476.117	2398.251
25.0	2897.887	2884.909	2865.443	2747.347	2618.870	2505.965	2437.184	2490.392	2507.263	2422.909
27.5	3038.044	3031.556	3014.685	2873.230	2717.499	2589.021	2472.223	2472.223	2525.431	2442.375
30.0	3137.972	3127.590	3104.230	2954.988	2790.173	2661.696	2529.325	2477.414	2537.111	2456.650
32.5	3179.500	3166.522	3134.078	3004.303	2858.954	2729.179	2591.617	2505.965	2539.707	2468.330
35.0	3182.095	3170.415	3140.567	3028.960	2916.055	2800.555	2653.909	2541.004	2547.493	2491.690
37.5	3136.674	3134.078	3105.528	3028.960	2977.050	2874.527	2713.606	2553.982	2557.875	2513.751
40.0	2954.988	2936.820	2917.353	2943.308	2999.112	2957.584	2774.600	2560.471	2569.555	2553.982
42.5	2524.133	2500.774	2489.094	2637.038	2943.308	3047.129	2847.274	2572.150	2570.853	2612.381
45.0	2037.475	2012.818	2008.925	2156.869	2698.033	3095.146	2914.758	2591.617	2576.044	2668.184
47.5	1706.548	1690.975	1690.975	1807.773	2212.672	3064.000	2984.837	2613.679	2579.937	2725.286
50.0	1519.671	1506.694	1506.694	1614.407	1940.144	2910.864	3064.000	2634.443	2592.914	2772.005
52.5	1363.941	1352.261	1354.856	1459.974	1835.026	2512.454	3076.977	2690.246	2643.527	2818.724
55.0	1231.569	1223.783	1232.867	1332.794	1761.054	2324.279	2949.797	2807.044	2691.544	2875.825
57.5	1144.620	1142.024	1145.918	1240.654	1692.273	2212.672	2637.038	2932.926	2749.943	2884.909
60.0	1027.822	1022.631	1017.440	1105.687	1581.963	2058.239	2350.234	2984.837	2756.432	2860.252
62.5	827.968	821.479	816.288	904.535	1378.216	1844.110	2069.919	2903.078	2698.033	2830.404
65.0	563.226	559.332	554.141	663.153	1110.878	1568.986	1758.458	2696.735	2662.993	2870.634
67.5	304.972	306.270	317.950	407.495	822.777	1288.671	1482.036	2326.875	2695.437	2914.758
70.0	220.618	221.916	227.107	306.270	609.945	1004.462	1215.996	1973.885	2783.684	2936.820
72.5	168.708	168.708	175.197	233.596	469.787	755.293	944.766	1632.576	2727.881	2775.898
75.0	129.776	128.478	132.371	173.899	354.287	522.995	678.726	1214.699	2430.695	2351.532
77.5	90.843	89.545	93.438	118.096	251.764	345.203	455.512	786.440	1936.250	1680.593
80.0	54.506	53.208	55.803	70.079	158.326	219.321	264.742	522.995	990.187	786.440
82.5	28.551	27.253	28.551	33.742	80.461	120.691	125.882	342.607	356.883	288.102
85.0	12.978	11.680	12.978	15.573	32.444	54.506	53.208	151.837	111.607	111.607
87.5	3.893	3.893	3.893	5.191	9.084	12.978	16.871	33.742	29.848	33.742
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	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481	1976.481
2.5	1980.374	1972.588	1967.397	1957.015	1951.824	1934.953	1925.868	1920.677	1916.784	1908.998
5.0	2021.902	2006.329	1993.352	1964.801	1940.144	1896.020	1866.172	1840.217	1820.750	1803.879
7.5	2079.004	2056.942	2034.880	1985.565	1940.144	1875.256	1824.644	1783.115	1749.374	1727.312
10.0	2136.105	2108.852	2079.004	2008.925	1945.335	1867.469	1803.879	1754.565	1713.037	1685.784
12.5	2184.122	2149.082	2114.043	2025.796	1950.526	1863.576	1801.284	1740.289	1679.295	1624.789
15.0	2223.054	2181.526	2133.509	2030.987	1942.739	1860.981	1794.795	1700.059	1600.132	1510.587
17.5	2252.903	2202.290	2142.594	2021.902	1925.868	1848.003	1755.863	1613.109	1462.570	1306.839
20.0	2273.667	2213.970	2142.594	2002.436	1903.807	1818.155	1679.295	1466.463	1203.019	929.193
22.5	2291.835	2223.054	2145.189	1986.863	1886.936	1763.649	1561.199	1217.294	829.265	661.855
25.0	2313.897	2236.032	2147.785	1979.076	1864.874	1687.082	1375.620	863.007	667.046	644.984
27.5	2326.875	2243.818	2149.082	1975.183	1840.217	1585.857	1117.367	702.085	674.833	707.276

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CANDELA TABULATION - (Cont.)

30.0	2334.661	2246.414	2139.998	1964.801	1803.879	1452.188	846.136	690.406	734.529	779.951
32.5	2338.555	2239.925	2123.127	1946.633	1753.267	1279.586	744.911	726.743	792.928	831.861
35.0	2333.363	2224.352	2098.470	1927.166	1689.677	1100.496	743.614	756.591	807.204	807.204
37.5	2335.959	2211.375	2073.812	1898.616	1606.621	920.108	735.827	753.996	761.782	766.973
40.0	2348.937	2210.077	2058.239	1862.278	1495.014	773.462	704.681	707.276	716.361	776.057
42.5	2370.998	2213.970	2046.560	1815.559	1369.132	661.855	630.709	667.046	751.400	934.384
45.0	2404.740	2225.650	2042.666	1772.733	1217.294	563.226	552.844	630.709	887.664	1026.524
47.5	2450.161	2255.498	2058.239	1740.289	1081.030	464.596	476.276	737.125	943.468	1058.968
50.0	2507.263	2289.240	2076.408	1715.632	977.210	386.731	432.152	790.333	840.945	782.546
52.5	2548.791	2317.790	2095.874	1709.143	930.490	340.012	446.428	589.181	443.832	404.900
55.0	2625.358	2374.892	2141.296	1722.121	908.429	306.270	346.501	338.714	298.484	286.804
57.5	2723.988	2442.375	2172.442	1707.846	855.221	284.208	262.147	264.742	258.253	243.978
60.0	2742.156	2480.010	2210.077	1675.402	786.440	262.147	229.703	228.405	231.000	224.512
62.5	2778.493	2480.010	2195.801	1584.559	724.147	238.787	208.939	197.259	206.343	198.557
65.0	2864.145	2524.133	2191.908	1507.991	651.473	214.130	182.983	168.708	157.028	166.113
67.5	2992.623	2605.892	2258.094	1532.649	587.883	192.068	144.051	115.500	97.332	88.247
70.0	3048.427	2627.954	2273.667	1578.070	528.186	163.517	97.332	54.506	24.657	5.191
72.5	2861.550	2442.375	2102.363	1489.823	458.108	121.989	49.315	10.382	3.893	3.893
75.0	2276.262	1933.655	1654.638	1258.822	328.332	71.377	9.084	3.893	2.596	2.596
77.5	1302.946	1100.496	925.299	882.473	159.624	20.764	2.596	2.596	1.298	1.298
80.0	480.169	402.304	306.270	363.371	51.910	3.893	1.298	1.298	1.298	1.298
82.5	173.899	141.455	112.905	97.332	14.275	1.298	1.298	1.298	1.298	0.000
85.0	66.186	57.101	46.719	27.253	2.596	1.298	1.298	1.298	1.298	1.298
87.5	19.466	18.169	15.573	3.893	1.298	1.298	1.298	1.298	1.298	1.298
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

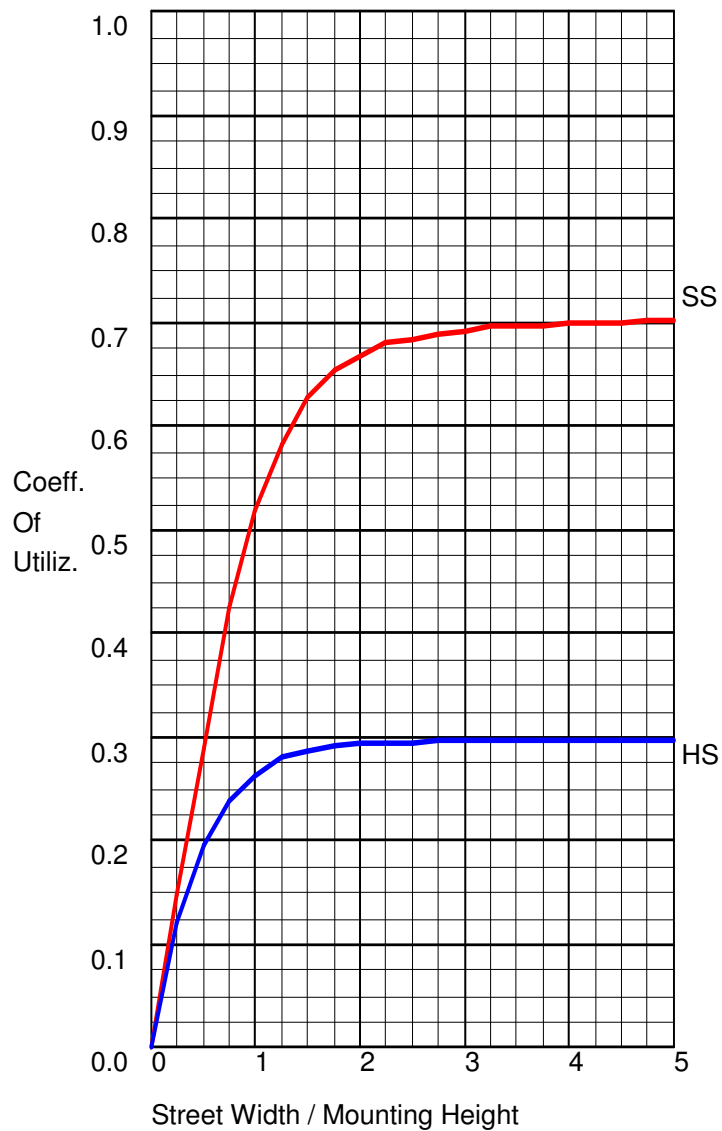
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1976.481	1976.481
2.5	1918.082	1915.486
5.0	1809.070	1809.070
7.5	1726.014	1737.694
10.0	1679.295	1693.570
12.5	1604.025	1620.896
15.0	1471.654	1471.654
17.5	1231.569	1212.103
20.0	820.181	792.928
22.5	630.709	632.007
25.0	648.878	648.878
27.5	720.254	720.254
30.0	794.226	794.226
32.5	839.647	839.647
35.0	804.608	802.013
37.5	770.866	769.569
40.0	861.709	859.114
42.5	1001.867	1000.569
45.0	1081.030	1079.732
47.5	1090.114	1099.198
50.0	716.361	739.720
52.5	399.709	411.388
55.0	281.613	285.506
57.5	237.489	237.489
60.0	220.618	219.321
62.5	208.939	210.236
65.0	195.961	201.152

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-830-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	57.101	38.933
70.0	3.893	3.893
72.5	3.893	3.893
75.0	2.596	2.596
77.5	1.298	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.298
87.5	1.298	0.000
90.0	0.000	0.000

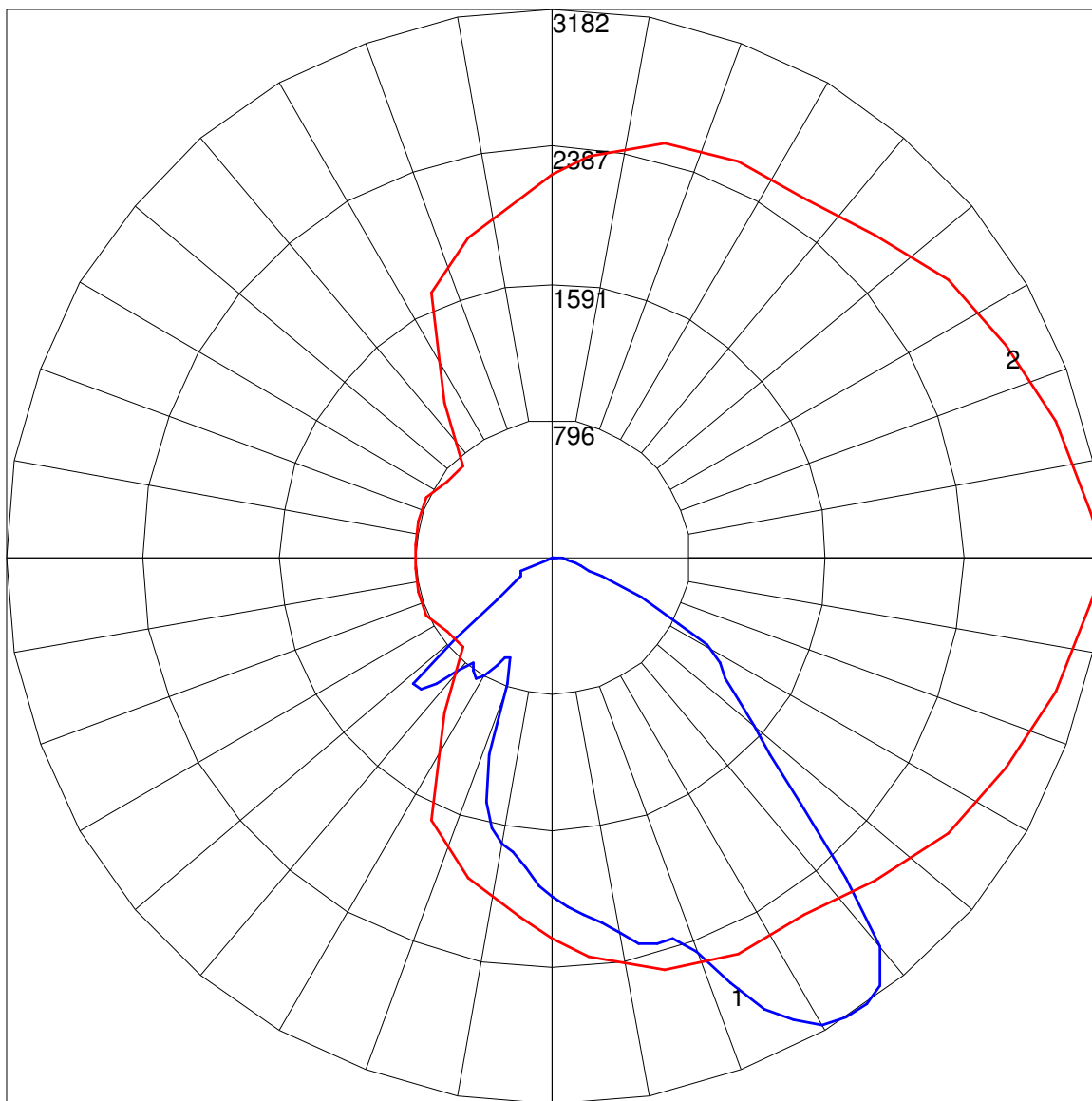
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

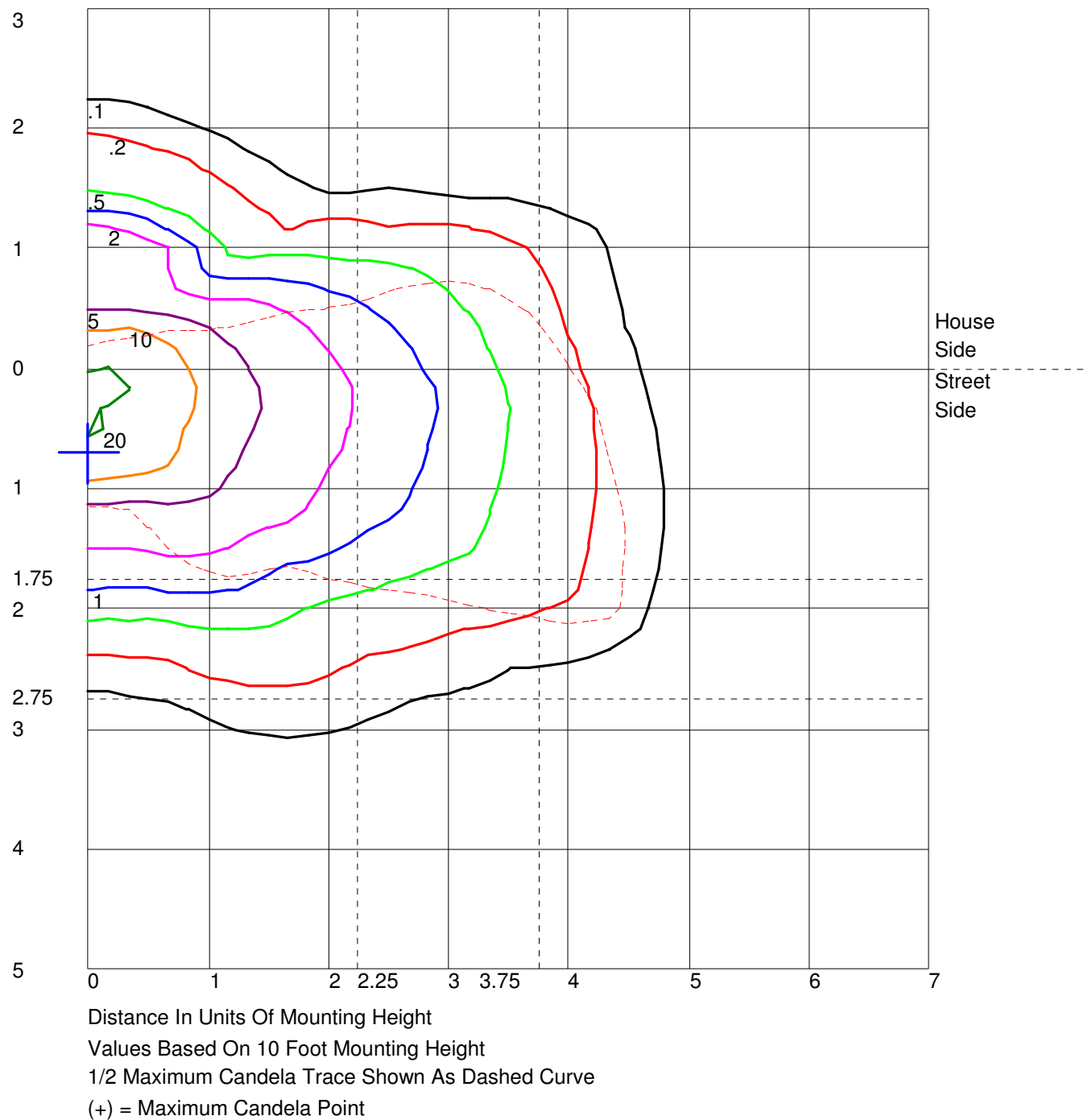
	Lumens	Percent Of Luminaire
Downward Street Side	5419.6	70.4
Downward House Side	2280.0	29.6
Downward Total	7699.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7699.6	100.0

POLAR GRAPH

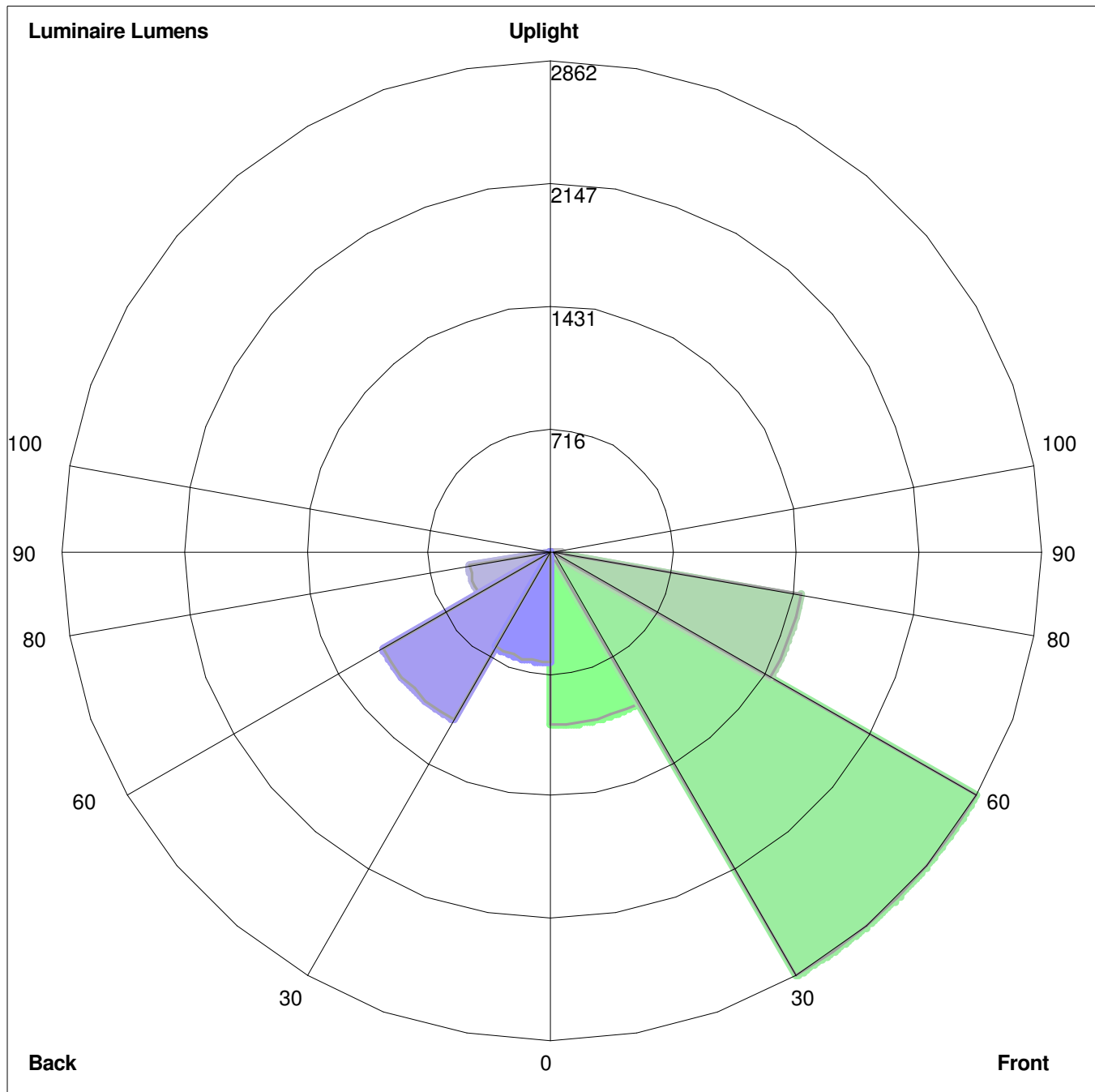


Maximum Candela = 3182.095 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1019.8, Medium=2862.2, High=1476.1, Very High=61.5
Back: Low=646.7, Medium=1136.1, High=486.3, Very High=11.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1