



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-750-TFT-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009828  
[TESTLAB] ATAL-LABS  
[ISSUE DATE] 2024-02-01  
[TEST DATE] 07/14/15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPX-L85-750-TFT-xxx-CGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[MORE] FORWARD THROW DISTRIBUTION WITH  
[MORE] CLEAR GLASS LENS  
[LAMPCAT] X8-LUXEON M  
[LAMP] (8) LEDS  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Outdoor  
[\_SEARCH\_MOUNTING] Wall

### CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8925
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3116.39
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	3116.39
Maximum Candela Angle (<90 Degrees Vertical)	45H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	554.75 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L85-750-TFT-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	525.3	N.A.	5.9
FM - Front-Medium (30-60)	2273.4	N.A.	25.5
FH - Front-High (60-80)	2048.0	N.A.	22.9
FVH - Front-Very High (80-90)	46.5	N.A.	0.5
BL - Back-Low (0-30)	509.2	N.A.	5.7
BM - Back-Medium (30-60)	2102.2	N.A.	23.6
BH - Back-High (60-80)	1413.1	N.A.	15.8
BVH - Back-Very High (80-90)	6.8	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	8924.5	N.A.	100.0
BUG Rating	B3-U0-G3		

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## CANDELA TABULATION

Vert. Angles Horizontal Angles

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080
2.5	1142.133	1138.869	1137.238	1133.975	1130.711	1129.080	1129.080	1130.711	1127.448	1125.816
5.0	1140.501	1135.606	1132.343	1130.711	1129.080	1129.080	1127.448	1129.080	1125.816	1125.816
7.5	1140.501	1135.606	1130.711	1130.711	1129.080	1129.080	1127.448	1125.816	1122.553	1120.922
10.0	1145.396	1138.869	1133.975	1135.606	1132.343	1132.343	1130.711	1129.080	1124.185	1120.922
12.5	1160.080	1151.922	1148.659	1150.291	1147.027	1145.396	1143.764	1138.869	1132.343	1127.448
15.0	1181.291	1169.870	1168.239	1174.765	1174.765	1171.502	1169.870	1164.975	1156.817	1148.659
17.5	1209.029	1195.976	1187.818	1195.976	1197.608	1199.239	1202.502	1199.239	1189.450	1181.291
20.0	1254.714	1243.293	1230.240	1231.872	1228.608	1233.503	1236.766	1238.398	1230.240	1222.082
22.5	1313.453	1302.031	1285.715	1282.452	1274.294	1277.557	1279.189	1280.820	1275.925	1269.399
25.0	1377.086	1368.928	1347.716	1341.190	1329.769	1331.400	1328.137	1331.400	1324.874	1321.611
27.5	1442.350	1429.297	1408.086	1401.560	1386.875	1388.507	1378.717	1378.717	1377.086	1381.980
30.0	1520.668	1510.878	1483.141	1470.088	1453.772	1447.245	1430.929	1432.561	1429.297	1430.929
32.5	1608.775	1592.459	1571.248	1553.300	1532.089	1514.142	1492.930	1489.667	1479.878	1474.983
35.0	1703.409	1690.356	1667.514	1647.934	1618.565	1595.722	1567.985	1553.300	1538.616	1522.300
37.5	1791.517	1781.727	1758.884	1742.568	1709.936	1682.198	1649.566	1616.933	1597.354	1579.406
40.0	1876.361	1869.834	1845.360	1830.675	1799.675	1768.674	1732.778	1696.883	1670.777	1646.303
42.5	1964.468	1956.310	1933.467	1915.520	1886.150	1851.886	1817.622	1784.990	1755.621	1734.410
45.0	2044.417	2037.891	2021.575	2003.627	1974.258	1938.362	1905.730	1873.097	1851.886	1837.202
47.5	2119.472	2112.945	2104.787	2093.366	2065.628	2024.838	1995.469	1962.836	1949.784	1948.152
50.0	2161.894	2163.525	2166.789	2173.315	2160.262	2119.472	2098.261	2072.155	2060.734	2065.628
52.5	2171.684	2181.473	2207.579	2236.948	2246.738	2219.001	2212.474	2197.789	2186.368	2192.895
55.0	2189.631	2201.053	2246.738	2300.581	2334.845	2328.319	2333.214	2341.372	2333.214	2334.845
57.5	2274.476	2295.687	2336.477	2406.637	2455.585	2470.270	2484.954	2515.955	2519.218	2509.429
60.0	2374.004	2400.110	2447.427	2533.903	2599.168	2639.958	2669.327	2737.855	2772.119	2760.698
62.5	2387.057	2416.426	2475.165	2561.640	2617.115	2685.643	2759.066	2915.701	3002.177	3008.704
65.0	2303.845	2338.109	2405.005	2493.112	2566.535	2649.748	2750.908	2976.071	3096.811	3116.390
67.5	2254.896	2295.687	2401.742	2481.691	2514.323	2535.534	2623.642	2886.332	3034.810	3038.073
70.0	2178.210	2228.790	2364.215	2463.743	2511.060	2481.691	2502.902	2607.326	2723.170	2719.907
72.5	1840.465	1882.887	2114.577	2272.844	2349.530	2290.792	2364.215	2259.791	2112.945	2024.838
75.0	786.440	814.177	988.761	1194.344	1377.086	1535.353	1744.200	1843.728	1607.144	1528.826
77.5	283.902	290.428	326.324	367.114	463.380	660.805	954.497	1125.816	1111.132	1153.554
80.0	115.845	119.108	135.424	158.267	200.689	261.059	381.799	494.380	523.749	554.750
82.5	47.317	48.949	57.107	63.633	84.844	112.582	161.530	203.952	215.374	239.848
85.0	17.948	17.948	19.579	22.843	29.369	39.159	58.738	75.054	76.686	89.739
87.5	4.895	4.895	4.895	4.895	4.895	4.895	6.526	6.526	9.790	13.053
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>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080
2.5	1124.185	1122.553	1125.816	1127.448	1124.185	1120.922	1120.922	1120.922	1120.922	1120.922
5.0	1120.922	1119.290	1122.553	1122.553	1119.290	1114.395	1111.132	1111.132	1109.500	1111.132
7.5	1119.290	1114.395	1117.658	1116.027	1112.763	1106.237	1101.342	1101.342	1099.711	1099.711
10.0	1119.290	1111.132	1114.395	1116.027	1116.027	1109.500	1102.974	1101.342	1099.711	1098.079
12.5	1125.816	1120.922	1124.185	1124.185	1125.816	1119.290	1112.763	1109.500	1106.237	1104.605
15.0	1148.659	1145.396	1147.027	1145.396	1143.764	1138.869	1129.080	1120.922	1117.658	1116.027
17.5	1178.028	1176.397	1174.765	1171.502	1164.975	1155.186	1148.659	1142.133	1140.501	1138.869
20.0	1217.187	1215.555	1213.924	1204.134	1195.976	1184.555	1179.660	1178.028	1178.028	1176.397
22.5	1264.504	1254.714	1251.451	1243.293	1235.135	1228.608	1226.977	1225.345	1225.345	1223.714
25.0	1318.347	1302.031	1298.768	1292.241	1285.715	1287.347	1287.347	1285.715	1285.715	1279.189
27.5	1372.191	1352.611	1344.453	1339.558	1337.927	1344.453	1344.453	1346.085	1349.348	1339.558

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## CANDELA TABULATION - (Cont.)

30.0	1430.929	1408.086	1391.770	1393.402	1395.033	1406.455	1406.455	1409.718	1417.876	1408.086
32.5	1481.509	1470.088	1445.614	1448.877	1453.772	1468.456	1476.614	1484.772	1494.562	1481.509
35.0	1528.826	1530.458	1509.247	1514.142	1525.563	1543.511	1554.932	1569.617	1582.669	1567.985
37.5	1579.406	1590.828	1585.933	1594.091	1610.407	1633.250	1647.934	1664.250	1667.514	1662.619
40.0	1644.671	1664.250	1670.777	1687.093	1701.778	1722.989	1745.831	1762.147	1762.147	1758.884
42.5	1724.620	1745.831	1755.621	1778.464	1796.411	1812.728	1833.939	1846.992	1842.097	1843.728
45.0	1820.886	1835.570	1848.623	1869.834	1887.782	1902.467	1913.888	1913.888	1907.361	1910.625
47.5	1931.836	1933.467	1936.731	1961.205	1977.521	2000.364	2005.259	1995.469	1985.679	1993.837
50.0	2055.839	2047.681	2039.523	2055.839	2072.155	2096.629	2091.734	2070.523	2057.470	2068.892
52.5	2189.631	2174.947	2156.999	2168.420	2174.947	2181.473	2150.473	2112.945	2101.524	2117.840
55.0	2334.845	2328.319	2295.687	2285.897	2272.844	2251.633	2179.842	2112.945	2093.366	2112.945
57.5	2520.850	2511.060	2455.585	2429.479	2385.426	2338.109	2232.053	2156.999	2140.683	2147.209
60.0	2768.856	2754.171	2662.801	2602.431	2535.534	2455.585	2329.951	2256.528	2241.843	2243.475
62.5	2994.019	2941.807	2781.909	2659.537	2574.693	2465.375	2334.845	2259.791	2241.843	2245.106
65.0	3087.021	2995.651	2790.067	2635.063	2550.219	2444.164	2334.845	2264.686	2251.633	2245.106
67.5	3038.073	2928.754	2693.801	2582.851	2563.272	2486.586	2382.162	2266.317	2240.212	2238.580
70.0	2783.540	2687.275	2574.693	2577.956	2628.537	2574.693	2426.216	2238.580	2192.895	2201.053
72.5	2108.050	2320.161	2488.217	2442.532	2494.744	2405.005	2179.842	1915.520	1858.413	1904.098
75.0	1641.408	1925.309	1891.045	1711.567	1447.245	1279.189	1005.077	814.177	819.072	812.546
77.5	1135.606	1151.922	1016.498	760.334	484.591	427.484	358.956	310.007	316.534	310.007
80.0	540.066	513.960	406.273	305.113	223.532	200.689	164.793	143.582	141.951	135.424
82.5	225.163	221.900	182.741	140.319	107.687	88.107	73.423	63.633	65.265	65.265
85.0	86.476	89.739	75.054	58.738	44.054	37.527	31.001	29.369	27.738	27.738
87.5	16.316	21.211	16.316	14.685	13.053	11.421	9.790	8.158	8.158	8.158
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>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080
2.5	1120.922	1119.290	1119.290	1117.658	1119.290	1124.185	1120.922	1120.922	1124.185	1129.080
5.0	1109.500	1107.869	1109.500	1112.763	1112.763	1117.658	1116.027	1116.027	1119.290	1122.553
7.5	1098.079	1098.079	1102.974	1106.237	1107.869	1111.132	1111.132	1109.500	1112.763	1117.658
10.0	1098.079	1099.711	1104.605	1107.869	1106.237	1107.869	1107.869	1107.869	1111.132	1114.395
12.5	1106.237	1109.500	1116.027	1117.658	1116.027	1111.132	1111.132	1111.132	1116.027	1120.922
15.0	1119.290	1125.816	1130.711	1135.606	1133.975	1132.343	1130.711	1130.711	1132.343	1138.869
17.5	1138.869	1140.501	1148.659	1156.817	1156.817	1160.080	1158.449	1156.817	1156.817	1161.712
20.0	1173.133	1171.502	1174.765	1186.186	1187.818	1191.081	1191.081	1192.713	1189.450	1189.450
22.5	1218.819	1217.187	1217.187	1225.345	1228.608	1228.608	1228.608	1230.240	1226.977	1223.714
25.0	1280.820	1277.557	1269.399	1274.294	1274.294	1272.662	1277.557	1275.925	1272.662	1266.136
27.5	1344.453	1336.295	1326.505	1326.505	1319.979	1318.347	1333.032	1328.137	1319.979	1306.926
30.0	1408.086	1396.665	1383.612	1375.454	1368.928	1370.559	1380.349	1370.559	1359.138	1344.453
32.5	1476.614	1458.667	1445.614	1432.561	1421.139	1426.034	1421.139	1408.086	1395.033	1385.244
35.0	1559.827	1538.616	1517.405	1501.089	1479.878	1471.719	1461.930	1439.087	1429.297	1421.139
37.5	1656.092	1633.250	1612.039	1579.406	1545.142	1528.826	1505.983	1484.772	1470.088	1463.561
40.0	1750.726	1727.883	1706.672	1669.145	1620.197	1587.564	1559.827	1540.247	1523.931	1520.668
42.5	1835.570	1811.096	1794.780	1750.726	1705.041	1659.356	1625.092	1605.512	1590.828	1590.828
45.0	1915.520	1900.835	1876.361	1830.675	1784.990	1737.673	1700.146	1683.830	1672.408	1665.882
47.5	2003.627	1997.100	1964.468	1915.520	1868.203	1815.991	1789.885	1767.042	1755.621	1742.568
50.0	2086.839	2090.103	2057.470	2008.522	1959.573	1905.730	1891.045	1864.939	1843.728	1827.412
52.5	2153.736	2170.052	2153.736	2099.892	2065.628	2019.943	1998.732	1962.836	1946.520	1926.941
55.0	2168.420	2219.001	2235.317	2207.579	2186.368	2147.209	2119.472	2078.681	2065.628	2050.944
57.5	2201.053	2259.791	2318.529	2325.056	2313.634	2294.055	2267.949	2217.369	2202.684	2194.526
60.0	2285.897	2341.372	2429.479	2471.901	2471.901	2491.481	2480.059	2426.216	2405.005	2388.689
62.5	2282.634	2346.267	2440.901	2525.745	2599.168	2687.275	2708.486	2664.432	2649.748	2608.957
65.0	2263.054	2310.371	2411.531	2515.955	2594.273	2763.961	2855.332	2853.700	2791.698	2716.644

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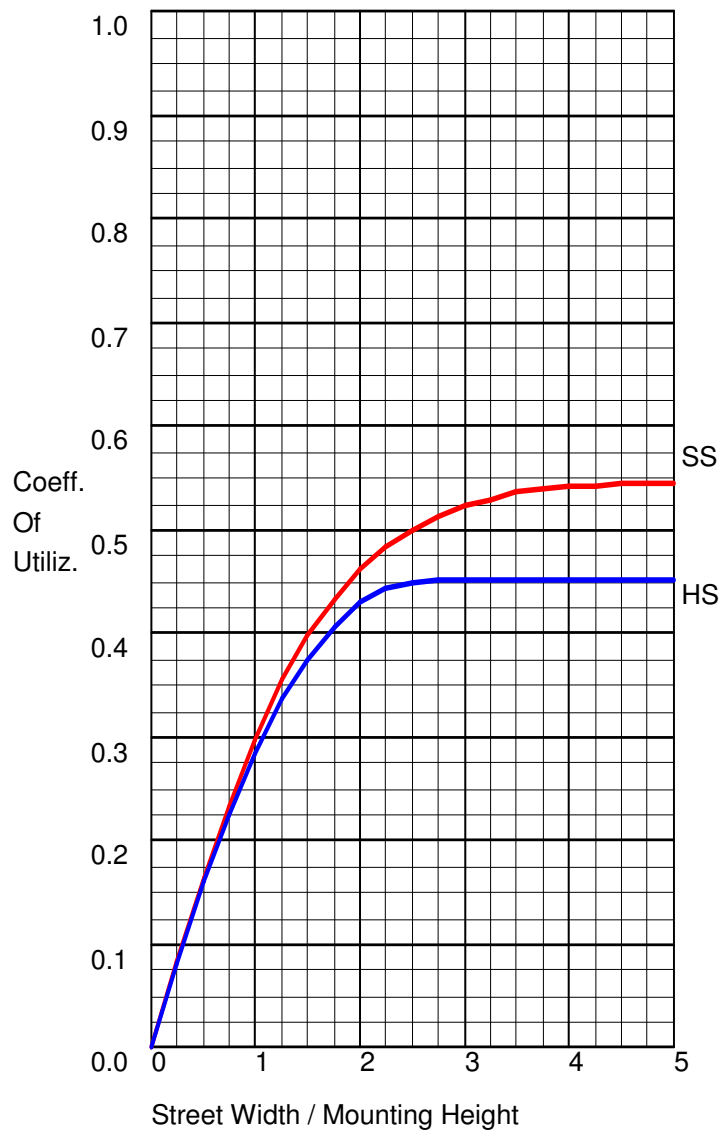
## CANDELA TABULATION - (Cont.)

67.5	2285.897	2356.056	2408.268	2442.532	2509.429	2752.540	2876.543	2695.433	2504.534	2408.268
70.0	2284.265	2408.268	2455.585	2436.006	2421.321	2556.745	2250.001	2063.997	2238.580	1354.243
72.5	2094.998	2320.161	2442.532	2374.004	2416.426	1763.779	1558.195	1094.816	203.952	37.527
75.0	1013.235	1275.925	1554.932	1625.092	1481.509	1228.608	282.270	27.738	6.526	4.895
77.5	362.219	417.694	507.433	606.962	704.859	19.579	6.526	4.895	3.263	3.263
80.0	161.530	182.741	172.952	140.319	53.843	3.263	3.263	1.632	1.632	1.632
82.5	70.160	70.160	45.685	19.579	3.263	1.632	1.632	1.632	1.632	1.632
85.0	29.369	16.316	8.158	1.632	1.632	1.632	1.632	0.000	0.000	0.000
87.5	6.526	1.632	1.632	1.632	1.632	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. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080	1129.080
2.5	1127.448	1129.080	1132.343	1132.343	1135.606	1132.343	1127.448
5.0	1120.922	1120.922	1124.185	1124.185	1125.816	1124.185	1117.658
7.5	1114.395	1114.395	1116.027	1114.395	1116.027	1114.395	1107.869
10.0	1112.763	1112.763	1112.763	1114.395	1117.658	1114.395	1111.132
12.5	1120.922	1124.185	1120.922	1124.185	1127.448	1124.185	1120.922
15.0	1140.501	1140.501	1137.238	1138.869	1137.238	1132.343	1130.711
17.5	1160.080	1158.449	1150.291	1148.659	1147.027	1147.027	1145.396
20.0	1186.186	1182.923	1171.502	1171.502	1173.133	1174.765	1176.397
22.5	1218.819	1213.924	1200.871	1202.502	1207.397	1212.292	1218.819
25.0	1257.977	1246.556	1238.398	1240.030	1246.556	1254.714	1259.609
27.5	1290.610	1280.820	1274.294	1277.557	1284.083	1293.873	1300.400
30.0	1326.505	1319.979	1319.979	1323.242	1331.400	1344.453	1352.611
32.5	1370.559	1364.033	1364.033	1370.559	1381.980	1398.297	1408.086
35.0	1416.244	1406.455	1416.244	1426.034	1442.350	1460.298	1473.351
37.5	1461.930	1466.825	1483.141	1497.825	1514.142	1536.984	1554.932
40.0	1522.300	1536.984	1551.669	1571.248	1594.091	1620.197	1638.144
42.5	1594.091	1610.407	1628.355	1646.303	1669.145	1698.514	1718.094
45.0	1669.145	1683.830	1701.778	1719.725	1742.568	1773.569	1789.885
47.5	1744.200	1752.358	1775.200	1791.517	1814.359	1845.360	1856.781
50.0	1827.412	1832.307	1853.518	1869.834	1891.045	1918.783	1925.309
52.5	1925.309	1925.309	1938.362	1951.415	1957.942	1975.889	1977.521
55.0	2039.523	2029.733	2031.364	2032.996	2019.943	2016.680	2010.153
57.5	2174.947	2160.262	2147.209	2121.103	2070.523	2041.154	2028.101
60.0	2365.846	2333.214	2287.528	2219.001	2134.156	2108.050	2098.261
62.5	2527.376	2431.111	2343.003	2251.633	2168.420	2142.314	2127.630
65.0	2556.745	2432.742	2323.424	2197.789	2011.785	1765.411	1763.779
67.5	2385.426	1868.203	1230.240	678.753	341.008	197.426	146.846
70.0	465.011	233.321	27.738	9.790	6.526	6.526	6.526
72.5	9.790	6.526	4.895	4.895	4.895	4.895	3.263
75.0	4.895	3.263	3.263	3.263	1.632	1.632	1.632
77.5	1.632	1.632	1.632	1.632	1.632	0.000	0.000
80.0	1.632	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
85.0	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
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

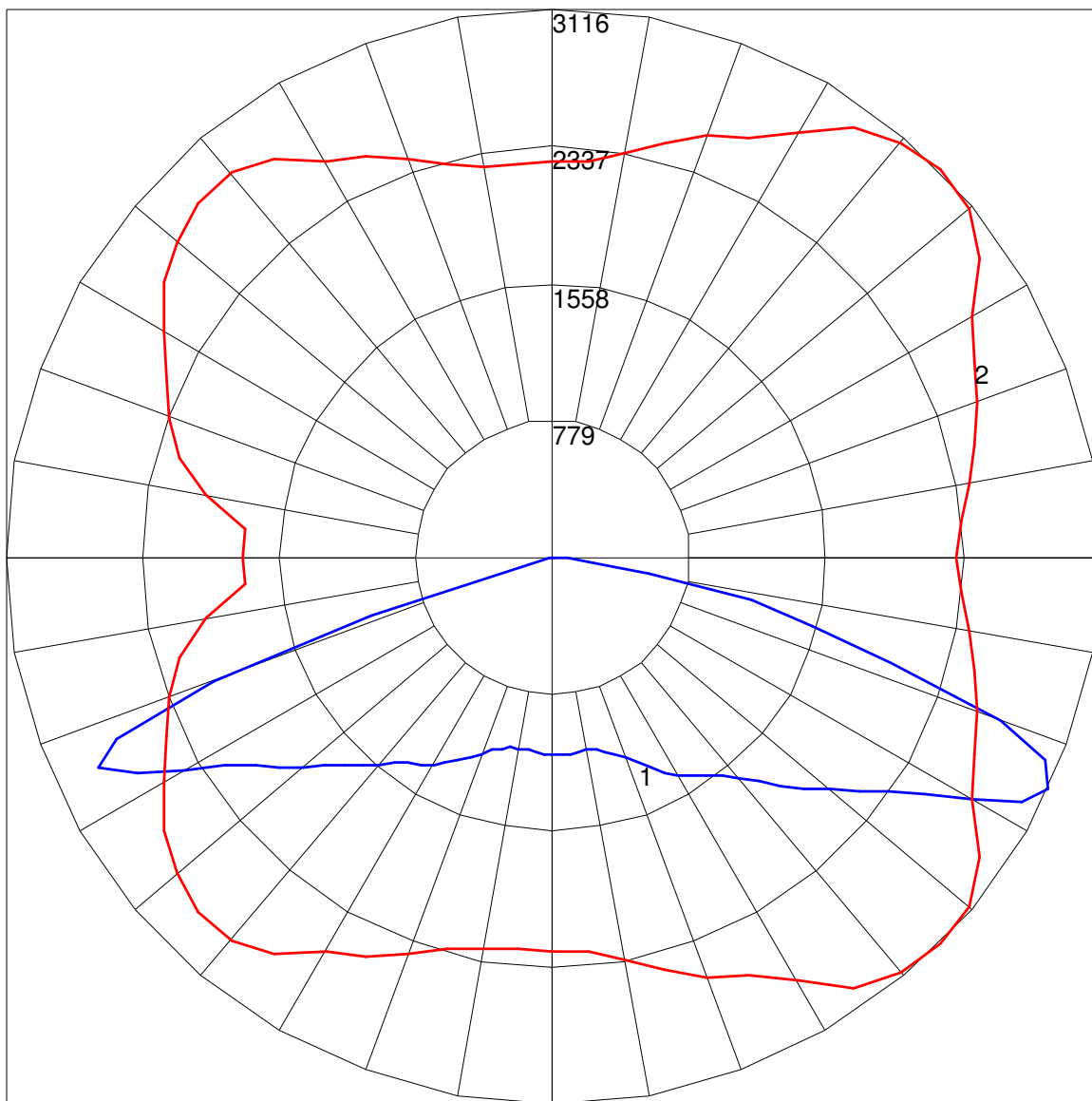
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

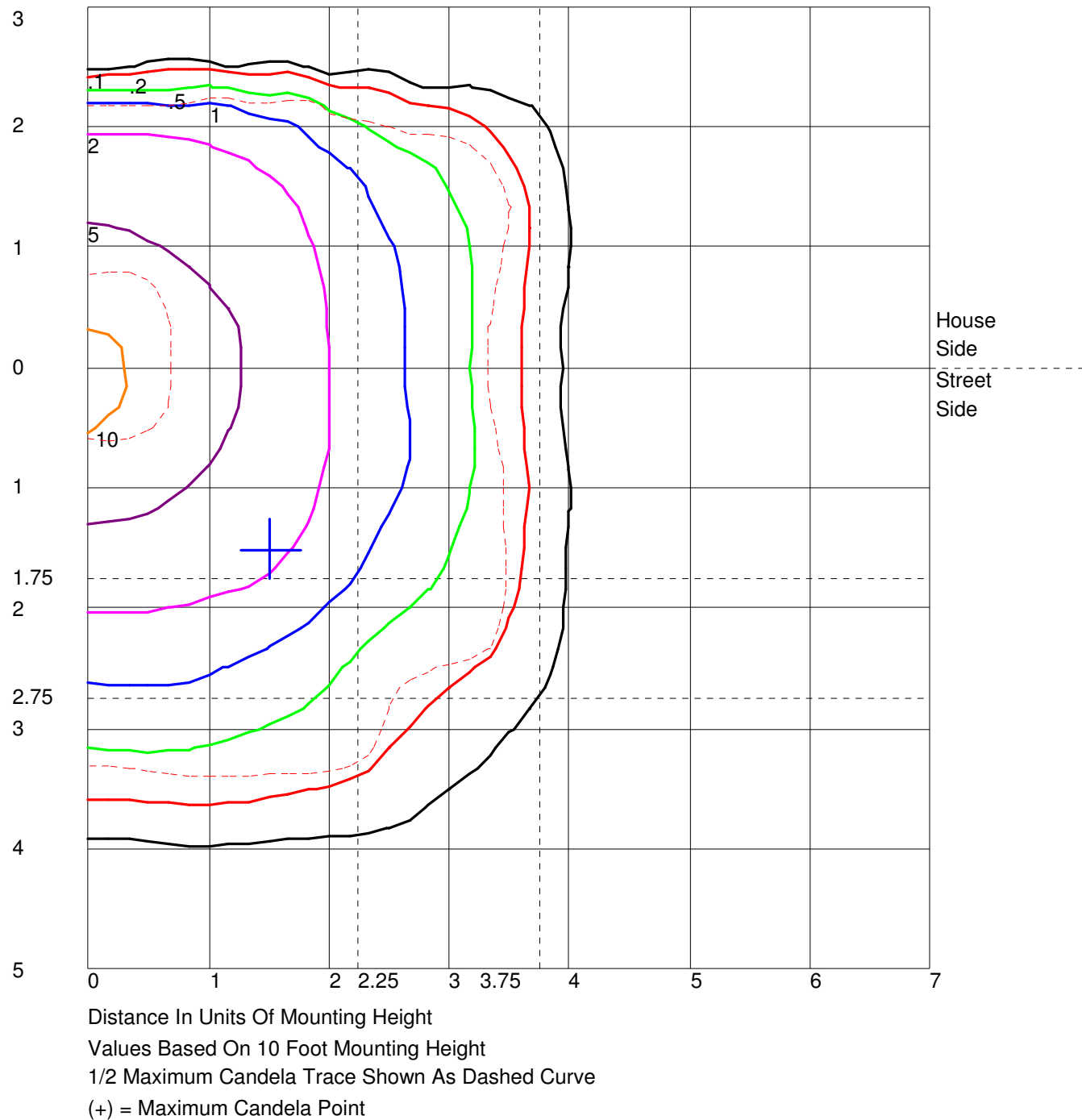
	Lumens	Percent Of Luminaire
Downward Street Side	4893.3	54.8
Downward House Side	4031.5	45.2
Downward Total	8924.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8924.8	100.0

POLAR GRAPH



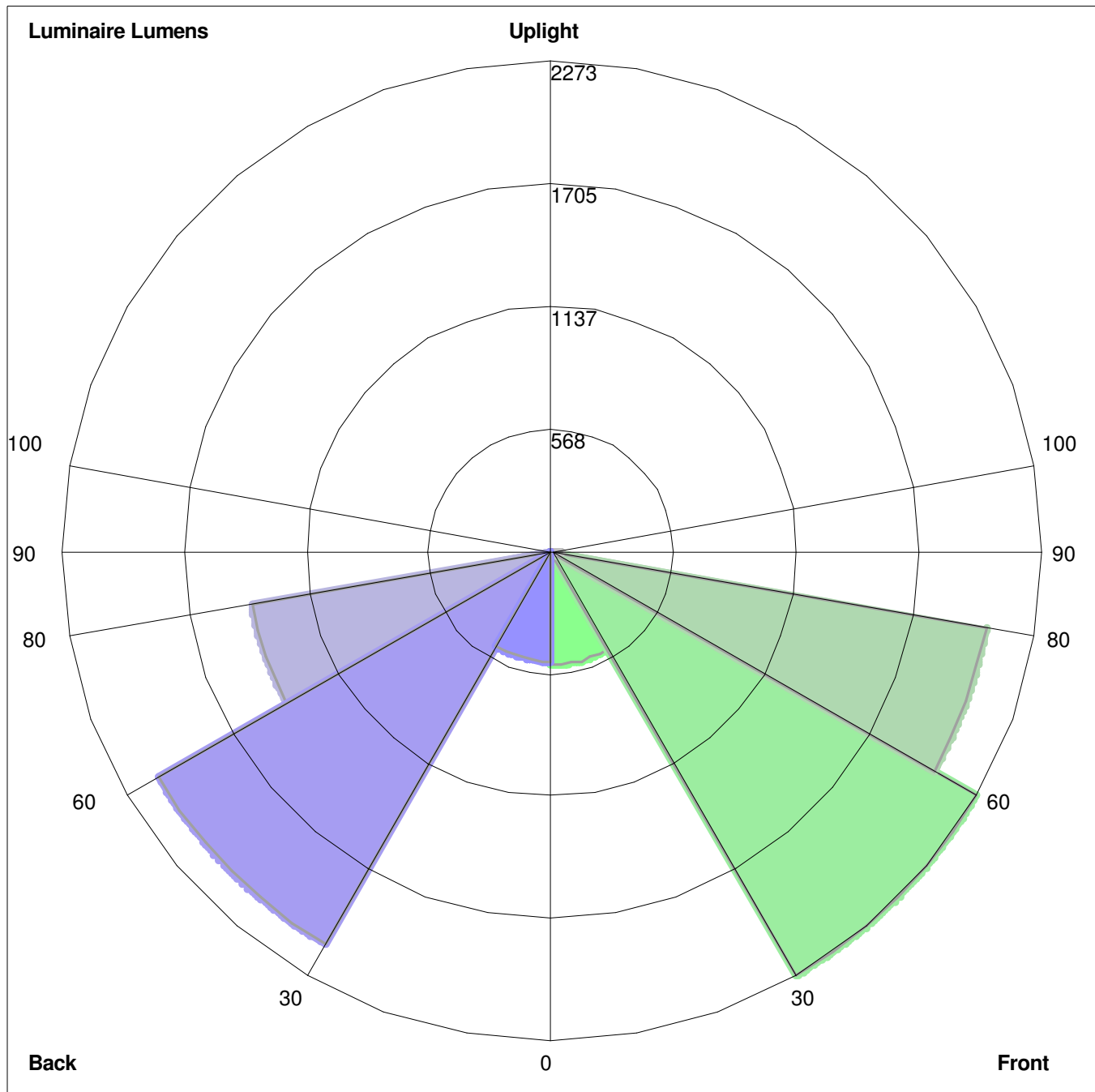
Maximum Candela = 3116.39 Located At Horizontal Angle = 45, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=525.3, Medium=2273.4, High= 2048.0, Very High=46.5  
 Back: Low=509.2, Medium=2102.2, High=1413.1, Very High=6.8  
 Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3