



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-730-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-L60-730-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	6024
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2539.697
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	2539.697
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	572.511 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-730-T3-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	863.1	N.A.	14.3
FM - Front-Medium (30-60)	2281.8	N.A.	37.9
FH - Front-High (60-80)	941.0	N.A.	15.6
FVH - Front-Very High (80-90)	72.5	N.A.	1.2
BL - Back-Low (0-30)	546.0	N.A.	9.1
BM - Back-Medium (30-60)	966.2	N.A.	16.0
BH - Back-High (60-80)	335.1	N.A.	5.6
BVH - Back-Very High (80-90)	18.0	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	6023.7	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>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	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344
2.5	1708.148	1711.902	1708.148	1719.411	1717.534	1715.657	1711.902	1704.394	1700.640	1698.763
5.0	1779.478	1779.478	1779.478	1786.986	1785.109	1781.355	1775.723	1768.215	1760.707	1755.075
7.5	1809.511	1809.511	1809.511	1815.142	1811.388	1805.757	1800.126	1800.126	1800.126	1798.248
10.0	1871.455	1871.455	1869.578	1869.578	1862.069	1856.438	1850.807	1848.930	1843.298	1839.544
12.5	1948.415	1952.169	1946.538	1944.661	1937.153	1935.276	1927.767	1922.136	1912.751	1903.365
15.0	2019.745	2023.499	2017.867	2010.359	2002.851	1999.097	1993.465	1997.220	1993.465	1976.572
17.5	2079.811	2083.566	2077.934	2066.672	2051.655	2042.270	2040.393	2047.901	2046.024	2038.515
20.0	2196.191	2194.314	2183.051	2168.034	2151.141	2126.738	2107.968	2096.705	2085.443	2077.934
22.5	2320.078	2320.078	2306.939	2286.291	2261.889	2239.364	2216.839	2177.420	2145.509	2119.230
25.0	2415.810	2417.687	2402.670	2380.145	2353.866	2321.955	2295.676	2258.135	2226.224	2175.543
27.5	2496.524	2496.524	2483.385	2455.229	2419.564	2393.285	2359.497	2321.955	2282.537	2254.380
30.0	2539.697	2535.943	2520.927	2504.033	2468.368	2442.089	2402.670	2372.637	2344.480	2305.062
32.5	2519.049	2519.049	2507.787	2492.770	2479.631	2460.860	2434.581	2410.178	2385.776	2344.480
35.0	2453.351	2449.597	2438.335	2434.581	2432.704	2434.581	2427.072	2428.949	2406.424	2374.514
37.5	2348.235	2342.603	2333.218	2338.849	2344.480	2357.620	2383.899	2402.670	2410.178	2385.776
40.0	2162.403	2160.526	2166.157	2177.420	2205.576	2243.118	2305.062	2361.374	2397.039	2393.285
42.5	1929.644	1937.153	1940.907	1961.555	2023.499	2077.934	2186.805	2291.922	2353.866	2372.637
45.0	1678.115	1693.132	1706.271	1741.936	1805.757	1884.594	2025.376	2175.543	2282.537	2336.972
47.5	1464.127	1471.635	1486.652	1526.071	1591.769	1689.377	1843.298	2021.622	2168.034	2271.274
50.0	1287.681	1295.189	1298.944	1338.362	1409.692	1511.054	1672.484	1850.807	2023.499	2169.911
52.5	1116.866	1124.375	1128.129	1171.302	1240.754	1345.871	1509.177	1691.255	1871.455	2034.761
55.0	968.576	979.839	983.593	1021.135	1090.587	1190.073	1359.010	1544.842	1713.780	1873.332
57.5	839.057	846.566	850.320	882.230	946.051	1049.291	1203.212	1387.167	1548.596	1700.640
60.0	720.801	722.678	724.555	754.589	812.778	910.387	1056.799	1223.860	1372.150	1511.054
62.5	606.299	606.299	611.930	641.963	688.891	792.130	917.895	1064.308	1197.581	1332.731
65.0	497.428	497.428	503.059	538.724	581.897	675.751	786.499	910.387	1026.766	1150.654
67.5	405.451	403.573	407.328	441.115	484.288	565.003	660.734	775.237	874.722	979.839
70.0	324.736	322.859	328.490	354.769	388.557	461.763	546.232	636.332	730.186	818.410
72.5	257.161	255.284	259.038	281.563	313.473	369.786	439.238	521.830	595.036	666.366
75.0	198.971	197.094	198.971	217.742	242.144	287.194	347.261	407.328	467.394	525.584
77.5	146.413	144.536	146.413	161.429	178.323	213.988	260.915	304.088	349.138	399.819
80.0	101.363	99.486	101.363	110.748	123.888	148.290	182.077	213.988	245.898	281.563
82.5	61.944	61.944	61.944	69.452	76.961	91.977	112.625	135.150	153.921	176.446
85.0	31.910	30.033	30.033	33.788	39.419	46.927	58.190	67.575	78.838	90.100
87.5	9.385	9.385	9.385	11.263	11.263	13.140	16.894	20.648	24.402	28.156
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	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344
2.5	1700.640	1695.009	1685.623	1679.992	1679.992	1678.115	1670.607	1666.852	1661.221	1655.590
5.0	1753.198	1743.813	1730.673	1719.411	1713.780	1710.025	1696.886	1687.500	1678.115	1666.852
7.5	1800.126	1794.494	1786.986	1773.846	1766.338	1758.830	1743.813	1728.796	1715.657	1696.886
10.0	1835.790	1835.790	1830.159	1824.528	1818.896	1809.511	1796.371	1779.478	1756.953	1734.428
12.5	1897.734	1893.980	1888.349	1880.840	1869.578	1860.192	1843.298	1824.528	1794.494	1766.338
15.0	1961.555	1952.169	1939.030	1924.013	1910.874	1899.611	1882.717	1862.069	1828.282	1792.617
17.5	2021.622	2006.605	1991.588	1969.063	1954.047	1940.907	1922.136	1899.611	1856.438	1813.265
20.0	2064.795	2049.778	2046.024	2029.130	2000.974	1976.572	1952.169	1924.013	1875.209	1826.405
22.5	2094.828	2087.320	2083.566	2062.918	2029.130	2004.728	1982.203	1950.292	1907.119	1845.176
25.0	2138.001	2111.722	2104.213	2092.951	2064.795	2034.761	2008.482	1972.817	1929.644	1867.701
27.5	2205.576	2145.509	2132.370	2113.599	2091.074	2053.532	2025.376	1989.711	1939.030	1871.455

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CANDELA TABULATION - (Cont.)

30.0	2261.889	2203.699	2158.649	2136.124	2117.353	2087.320	2044.147	2006.605	1948.415	1871.455
32.5	2305.062	2252.503	2201.822	2158.649	2139.878	2109.845	2072.303	2027.253	1957.801	1877.086
35.0	2331.341	2286.291	2229.978	2192.436	2171.789	2143.632	2092.951	2038.515	1972.817	1886.471
37.5	2348.235	2299.430	2258.135	2216.839	2194.314	2169.911	2124.861	2062.918	1987.834	1888.349
40.0	2355.743	2310.693	2269.397	2237.487	2216.839	2190.559	2143.632	2068.549	1984.080	1880.840
42.5	2357.620	2310.693	2263.766	2243.118	2209.330	2194.314	2160.526	2087.320	1999.097	1888.349
45.0	2338.849	2297.553	2252.503	2224.347	2214.962	2205.576	2177.420	2106.091	2012.236	1888.349
47.5	2297.553	2269.397	2220.593	2201.822	2209.330	2207.453	2181.174	2115.476	2014.113	1884.594
50.0	2228.101	2218.716	2183.051	2181.174	2190.559	2201.822	2196.191	2134.247	2021.622	1884.594
52.5	2128.616	2149.264	2147.386	2149.264	2169.911	2184.928	2190.559	2130.493	2015.990	1869.578
55.0	1989.711	2053.532	2094.828	2119.230	2136.124	2162.403	2169.911	2122.984	2014.113	1852.684
57.5	1826.405	1935.276	2004.728	2044.147	2074.180	2102.336	2117.353	2074.180	1969.063	1809.511
60.0	1648.082	1786.986	1878.963	1937.153	1980.326	2021.622	2040.393	2000.974	1899.611	1751.321
62.5	1469.758	1623.679	1738.182	1817.019	1884.594	1925.890	1952.169	1920.259	1824.528	1676.238
65.0	1285.804	1449.110	1571.121	1668.729	1756.953	1803.880	1850.807	1826.405	1738.182	1582.384
67.5	1113.112	1259.525	1392.798	1496.038	1603.031	1661.221	1706.271	1696.886	1610.540	1471.635
70.0	938.543	1062.431	1190.073	1306.452	1419.077	1479.144	1531.702	1516.686	1441.602	1313.960
72.5	765.851	872.845	992.979	1107.481	1210.720	1270.787	1313.960	1289.558	1221.983	1118.743
75.0	604.422	694.522	810.901	901.001	989.224	1036.151	1068.062	1041.783	979.839	895.370
77.5	456.132	527.461	623.193	696.399	765.851	790.253	814.655	784.622	733.941	670.120
80.0	322.859	373.540	446.746	497.428	548.109	557.495	572.511	549.986	512.444	471.149
82.5	202.725	242.144	287.194	319.105	351.015	373.540	367.909	349.138	334.121	302.211
85.0	103.240	125.765	148.290	165.184	183.954	197.094	193.340	182.077	180.200	161.429
87.5	31.910	39.419	48.804	52.558	60.067	67.575	65.698	60.067	61.944	56.313
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	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344
2.5	1649.959	1644.327	1640.573	1633.065	1627.434	1623.679	1623.679	1621.802	1618.048	1616.171
5.0	1655.590	1644.327	1633.065	1618.048	1606.786	1597.400	1591.769	1588.015	1578.629	1571.121
7.5	1679.992	1661.221	1640.573	1623.679	1604.909	1591.769	1580.506	1563.613	1548.596	1535.456
10.0	1711.902	1685.623	1659.344	1636.819	1610.540	1588.015	1567.367	1541.088	1518.563	1494.160
12.5	1736.305	1706.271	1678.115	1646.204	1616.171	1586.138	1554.227	1514.808	1481.021	1447.233
15.0	1753.198	1715.657	1676.238	1644.327	1610.540	1571.121	1526.071	1481.021	1441.602	1396.552
17.5	1766.338	1721.288	1676.238	1629.311	1584.261	1537.333	1484.775	1435.971	1383.412	1327.100
20.0	1770.092	1725.042	1676.238	1618.048	1563.613	1507.300	1441.602	1370.273	1302.698	1227.614
22.5	1779.478	1725.042	1668.729	1603.031	1537.333	1466.004	1383.412	1293.312	1199.458	1107.481
25.0	1796.371	1732.550	1661.221	1588.015	1505.423	1415.323	1310.206	1199.458	1090.587	985.470
27.5	1800.126	1728.796	1646.204	1563.613	1469.758	1355.256	1229.491	1103.727	987.347	880.353
30.0	1792.617	1719.411	1627.434	1526.071	1420.954	1289.558	1146.900	1006.118	889.739	797.762
32.5	1794.494	1704.394	1610.540	1501.669	1368.396	1214.475	1058.677	917.895	812.778	741.449
35.0	1788.863	1691.255	1588.015	1460.373	1312.083	1141.268	974.208	839.057	747.080	694.522
37.5	1785.109	1681.869	1559.859	1415.323	1244.508	1062.431	887.862	762.097	692.645	656.980
40.0	1773.846	1661.221	1526.071	1366.519	1182.564	977.962	807.147	688.891	634.455	615.684
42.5	1771.969	1642.450	1497.915	1312.083	1109.358	895.370	728.309	625.070	583.774	576.265
45.0	1758.830	1623.679	1460.373	1253.893	1030.520	807.147	655.103	565.003	533.092	536.847
47.5	1736.305	1593.646	1419.077	1201.335	961.068	733.941	585.651	510.567	488.042	497.428
50.0	1728.796	1574.875	1383.412	1150.654	895.370	670.120	529.338	463.640	444.869	456.132
52.5	1708.148	1544.842	1342.117	1101.850	839.057	613.807	478.657	412.959	396.065	412.959
55.0	1685.623	1507.300	1298.944	1049.291	788.376	566.880	433.607	371.663	358.523	367.909
57.5	1634.942	1452.865	1244.508	989.224	730.186	518.076	392.311	334.121	319.105	319.105
60.0	1574.875	1385.289	1171.302	921.649	670.120	471.149	352.892	300.334	279.686	274.055
62.5	1501.669	1312.083	1098.095	852.197	610.053	427.976	319.105	266.546	244.021	236.513
65.0	1422.831	1229.491	1017.381	778.991	553.740	388.557	283.440	234.636	212.111	202.725

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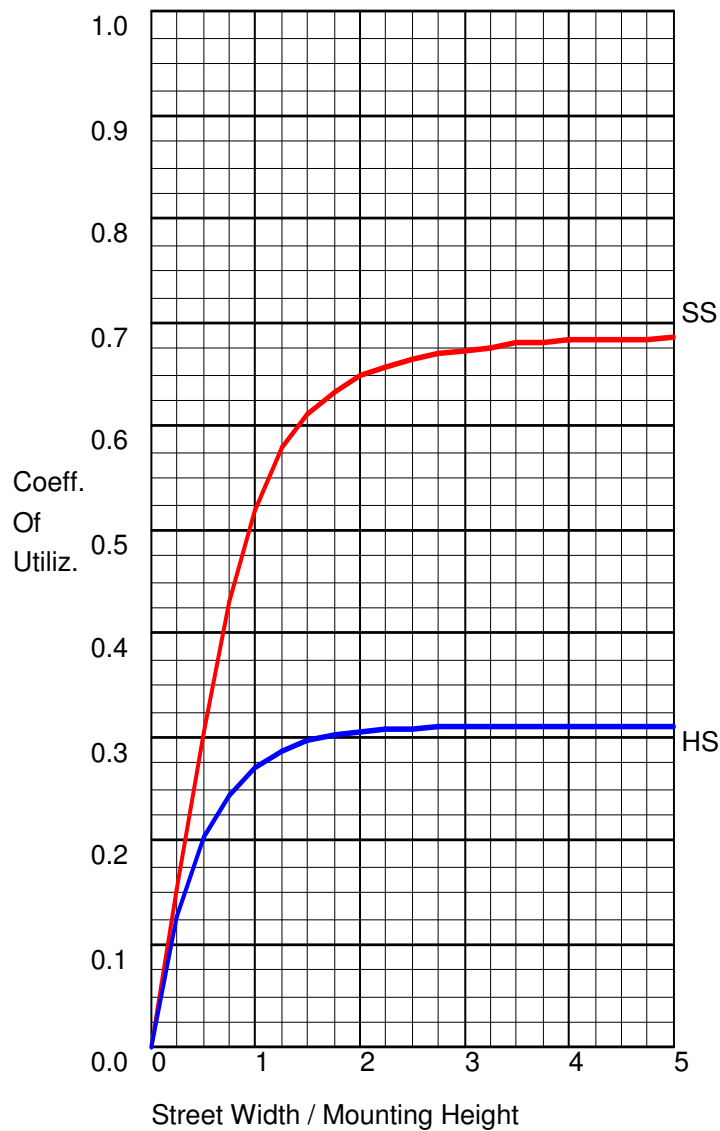
CANDELA TABULATION - (Cont.)

67.5	1310.206	1130.006	927.281	705.784	493.674	343.507	247.775	202.725	180.200	167.061
70.0	1167.548	1004.241	824.041	617.561	429.853	294.703	210.234	168.938	142.659	120.134
72.5	991.101	854.074	700.153	523.707	360.401	242.144	165.184	125.765	95.731	65.698
75.0	795.884	685.136	565.003	422.344	285.317	176.446	101.363	73.206	33.788	13.140
77.5	593.159	525.584	433.607	319.105	197.094	78.838	39.419	13.140	3.754	1.877
80.0	418.590	373.540	307.842	198.971	43.173	15.017	5.631	1.877	1.877	0.000
82.5	270.300	240.267	197.094	84.469	13.140	3.754	1.877	1.877	0.000	0.000
85.0	144.536	129.519	95.731	18.771	3.754	1.877	1.877	1.877	0.000	0.000
87.5	54.435	45.050	13.140	1.877	1.877	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>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	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344	1659.344
2.5	1614.294	1616.171	1612.417	1614.294	1618.048	1614.294	1608.663	1603.031
5.0	1567.367	1563.613	1556.104	1557.981	1561.736	1556.104	1554.227	1548.596
7.5	1524.194	1514.808	1499.792	1496.038	1496.038	1494.160	1490.406	1492.283
10.0	1473.513	1458.496	1437.848	1419.077	1411.569	1405.937	1400.306	1404.060
12.5	1417.200	1392.798	1360.887	1336.485	1321.469	1304.575	1306.452	1310.206
15.0	1345.871	1304.575	1263.279	1221.983	1201.335	1178.810	1180.687	1184.441
17.5	1257.648	1195.704	1143.145	1088.710	1054.922	1023.012	1019.258	1023.012
20.0	1145.022	1068.062	996.733	942.297	902.878	869.091	857.828	857.828
22.5	1009.872	934.789	872.845	816.532	784.622	762.097	747.080	743.326
25.0	885.985	824.041	773.359	737.695	715.170	703.907	696.399	694.522
27.5	799.639	754.589	720.801	698.276	685.136	681.382	681.382	679.505
30.0	745.203	713.293	692.645	681.382	683.259	685.136	690.768	687.013
32.5	703.907	688.891	683.259	688.891	700.153	707.661	715.170	715.170
35.0	670.120	671.997	679.505	694.522	707.661	722.678	735.818	737.695
37.5	647.595	656.980	671.997	688.891	703.907	718.924	732.064	733.941
40.0	621.315	634.455	655.103	675.751	694.522	713.293	728.309	728.309
42.5	587.528	608.176	640.086	666.366	690.768	709.539	722.678	726.432
45.0	559.372	587.528	621.315	641.963	664.488	685.136	698.276	703.907
47.5	527.461	553.740	580.020	602.545	615.684	634.455	640.086	643.841
50.0	488.042	506.813	523.707	538.724	542.478	557.495	559.372	559.372
52.5	433.607	448.624	459.886	463.640	465.517	471.149	473.026	469.272
55.0	379.171	388.557	392.311	392.311	390.434	396.065	399.819	392.311
57.5	320.982	324.736	328.490	328.490	330.367	332.244	334.121	332.244
60.0	275.932	274.055	279.686	279.686	281.563	283.440	281.563	281.563
62.5	234.636	234.636	234.636	232.759	229.004	229.004	229.004	229.004
65.0	198.971	193.340	182.077	172.692	170.815	163.306	163.306	163.306
67.5	153.921	138.904	120.134	103.240	82.592	48.804	39.419	37.542
70.0	97.608	69.452	33.788	20.648	15.017	9.385	9.385	9.385
72.5	30.033	13.140	7.508	5.631	3.754	3.754	3.754	3.754
75.0	5.631	3.754	1.877	1.877	1.877	1.877	1.877	1.877
77.5	1.877	1.877	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

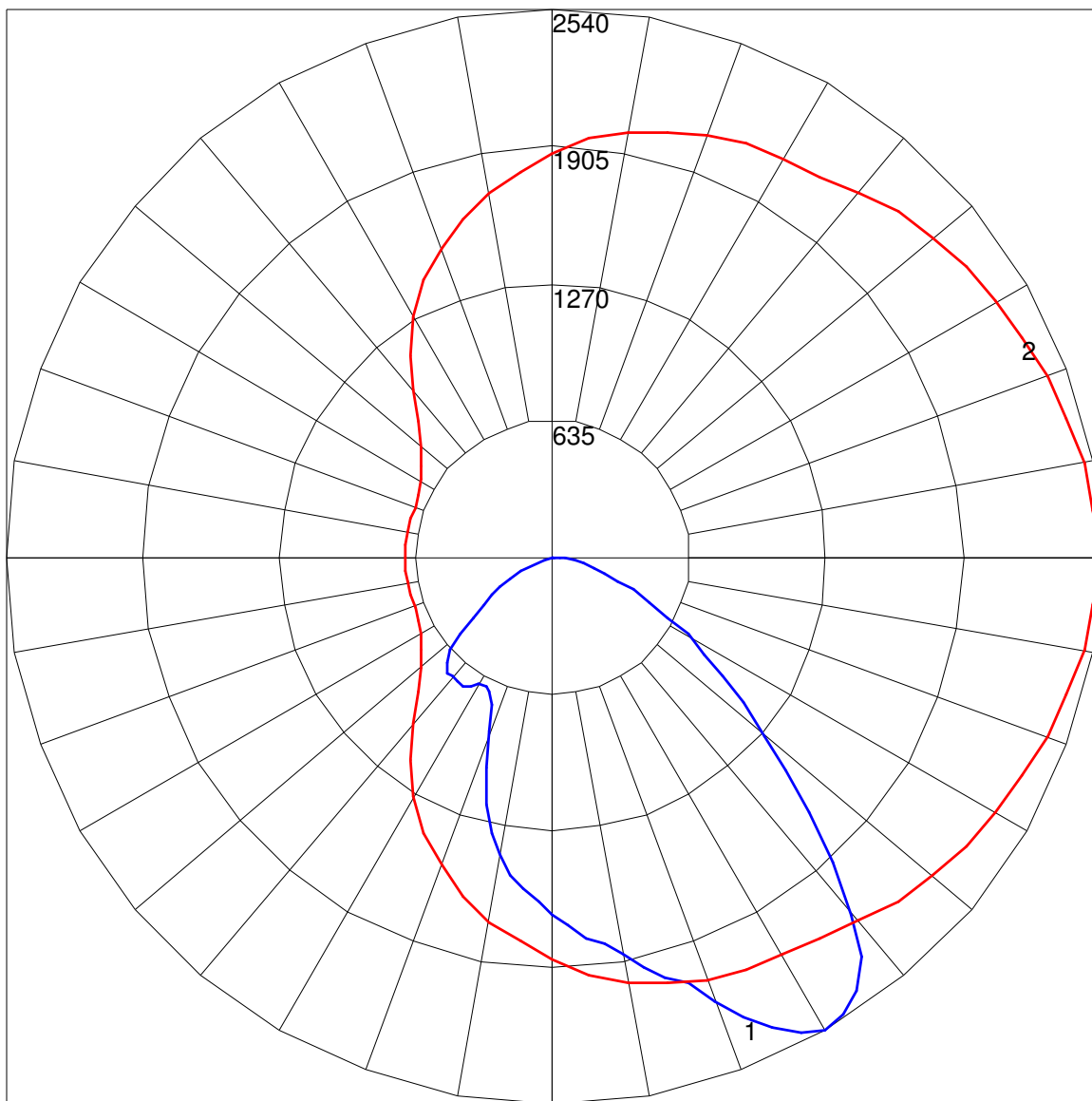
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

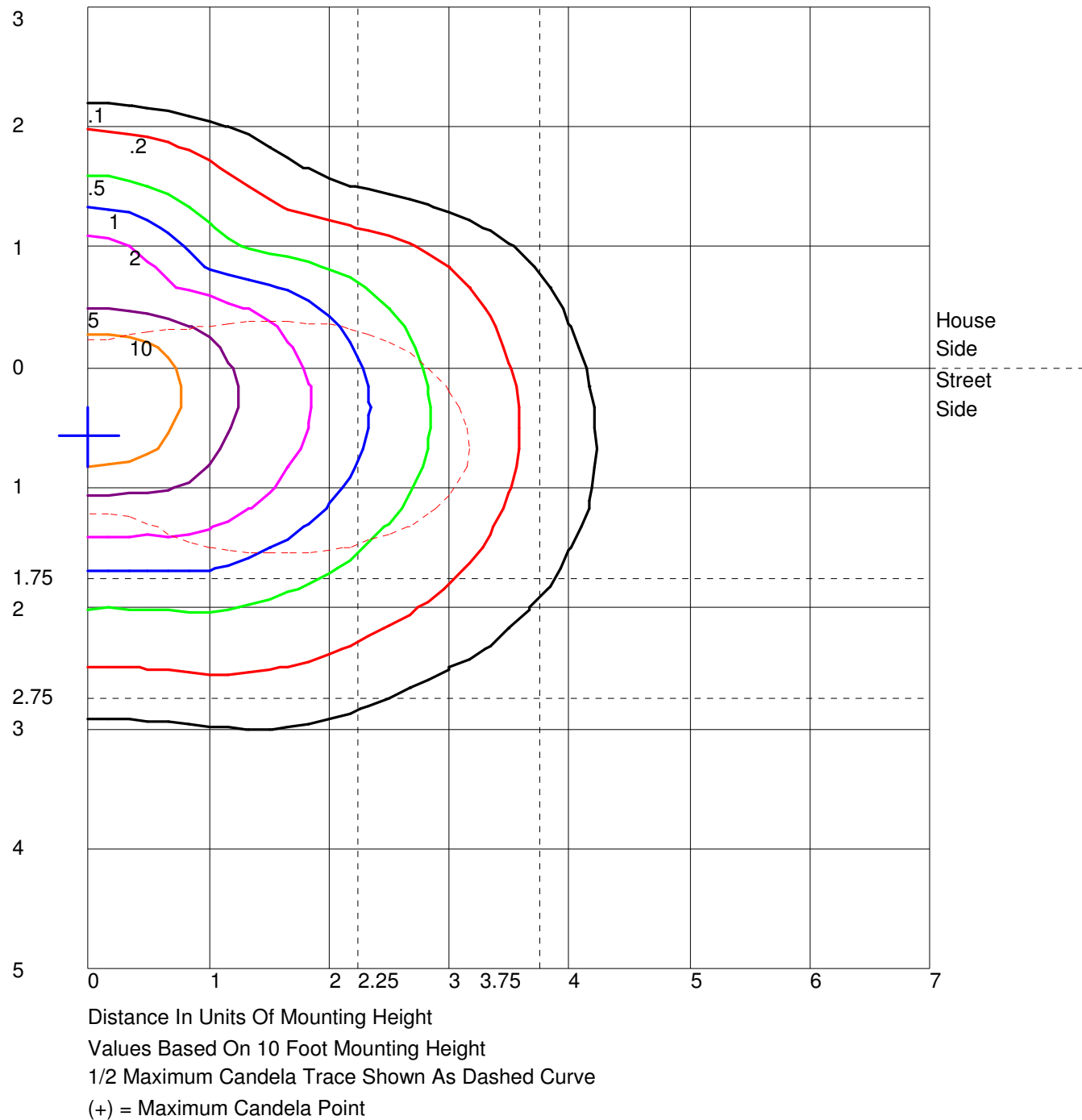
	Lumens	Percent Of Luminaire
Downward Street Side	4158.4	69.0
Downward House Side	1865.3	31.0
Downward Total	6023.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6023.7	100.0

POLAR GRAPH

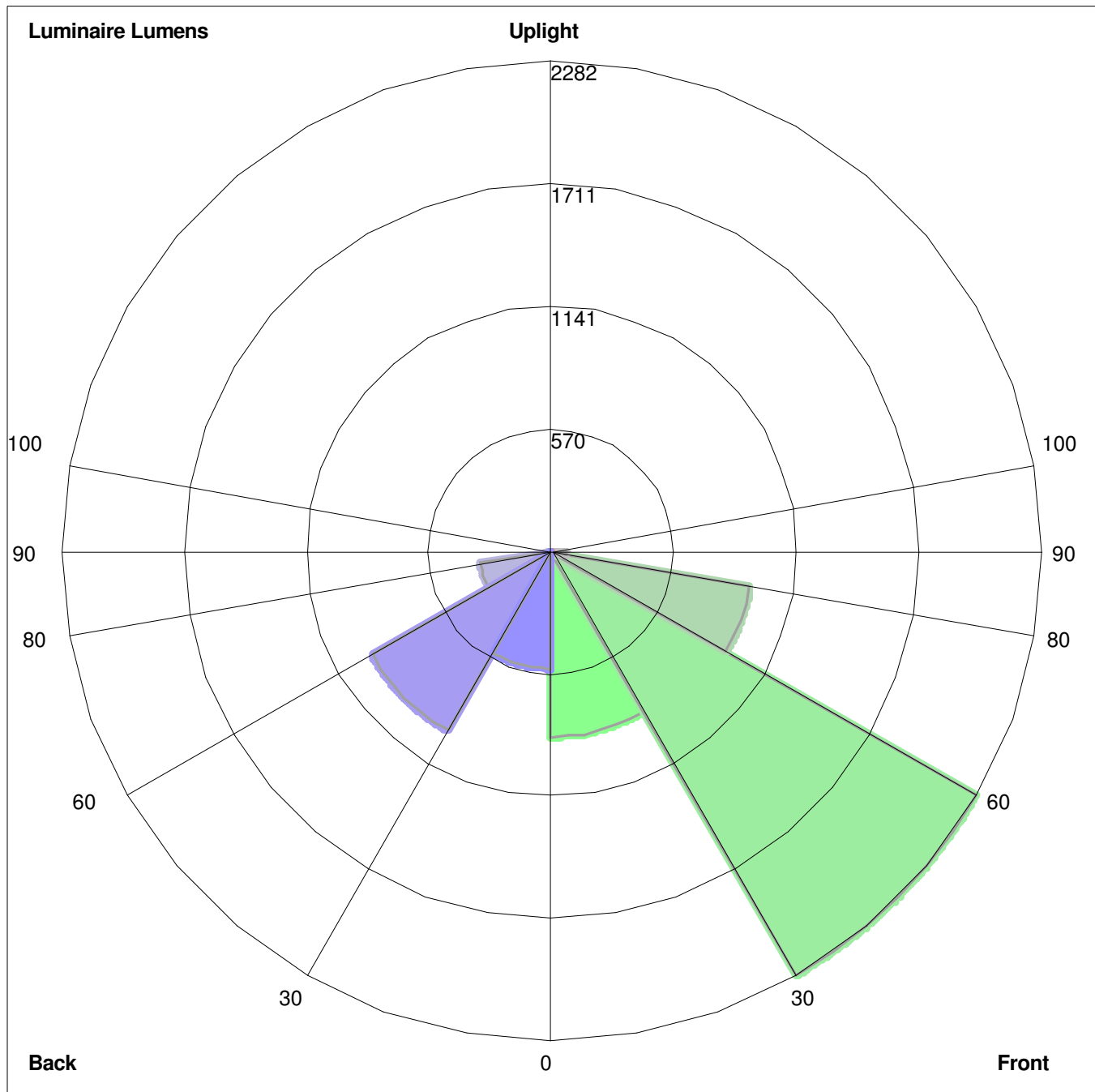


Maximum Candela = 2539.697 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=863.1, Medium=2281.8, High=941.0, Very High=72.5
Back: Low=546.0, Medium=966.2, High=335.1, Very High=18.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1