



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-740-T3-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009419
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L60-740-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	6341
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2673.366
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	2673.366
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	602.643 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-740-T3-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	908.5	N.A.	14.3
FM - Front-Medium (30-60)	2401.9	N.A.	37.9
FH - Front-High (60-80)	990.6	N.A.	15.6
FVH - Front-Very High (80-90)	76.3	N.A.	1.2
BL - Back-Low (0-30)	574.7	N.A.	9.1
BM - Back-Medium (30-60)	1017.1	N.A.	16.0
BH - Back-High (60-80)	352.8	N.A.	5.6
BVH - Back-Very High (80-90)	19.0	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	6340.9	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	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678
2.5	1798.051	1802.003	1798.051	1809.906	1807.930	1805.954	1802.003	1794.099	1790.147	1788.171
5.0	1873.134	1873.134	1873.134	1881.038	1879.062	1875.110	1869.183	1861.279	1853.375	1847.448
7.5	1904.748	1904.748	1904.748	1910.676	1906.724	1900.797	1894.869	1894.869	1894.869	1892.893
10.0	1969.952	1969.952	1967.977	1967.977	1960.073	1954.145	1948.218	1946.242	1940.314	1936.362
12.5	2050.963	2054.915	2048.988	2047.012	2039.108	2037.132	2029.229	2023.301	2013.422	2003.542
15.0	2126.047	2129.999	2124.071	2116.168	2108.264	2104.312	2098.385	2102.336	2098.385	2080.602
17.5	2189.275	2193.227	2187.299	2175.444	2159.637	2149.757	2147.782	2155.685	2153.709	2145.806
20.0	2311.780	2309.804	2297.948	2282.141	2264.359	2238.672	2218.913	2207.058	2195.203	2187.299
22.5	2442.188	2442.188	2428.357	2406.622	2380.935	2357.225	2333.514	2292.021	2258.431	2230.769
25.0	2542.958	2544.933	2529.126	2505.416	2477.754	2444.164	2416.501	2376.984	2343.394	2290.045
27.5	2627.920	2627.920	2614.089	2584.451	2546.909	2519.247	2483.681	2444.164	2402.670	2373.032
30.0	2673.366	2669.414	2653.607	2635.824	2598.282	2570.620	2529.126	2497.512	2467.874	2426.381
32.5	2651.631	2651.631	2639.776	2623.969	2610.138	2590.379	2562.716	2537.030	2511.344	2467.874
35.0	2582.475	2578.523	2566.668	2562.716	2560.741	2562.716	2554.813	2556.789	2533.078	2499.488
37.5	2471.826	2465.898	2456.019	2461.947	2467.874	2481.705	2509.368	2529.126	2537.030	2511.344
40.0	2276.214	2274.238	2280.166	2292.021	2321.659	2361.177	2426.381	2485.657	2523.199	2519.247
42.5	2031.205	2039.108	2043.060	2064.795	2129.999	2187.299	2301.900	2412.550	2477.754	2497.512
45.0	1766.437	1782.244	1796.075	1833.617	1900.797	1983.784	2131.975	2290.045	2402.670	2459.971
47.5	1541.186	1549.090	1564.897	1606.390	1675.546	1778.292	1940.314	2128.023	2282.141	2390.815
50.0	1355.454	1363.357	1367.309	1408.802	1483.886	1590.583	1760.509	1948.218	2129.999	2284.117
52.5	1175.649	1183.552	1187.504	1232.949	1306.057	1416.706	1588.608	1780.268	1969.952	2141.854
55.0	1019.554	1031.409	1035.361	1074.879	1147.986	1252.708	1430.537	1626.149	1803.978	1971.928
57.5	883.218	891.122	895.074	928.664	995.844	1104.517	1266.539	1460.175	1630.101	1790.147
60.0	758.738	760.714	762.690	794.304	855.556	958.302	1112.420	1288.274	1444.368	1590.583
62.5	638.209	638.209	644.137	675.751	725.148	833.821	966.205	1120.324	1260.611	1402.875
65.0	523.608	523.608	529.536	567.078	612.523	711.317	827.894	958.302	1080.806	1211.214
67.5	426.790	424.814	428.766	464.332	509.777	594.740	695.510	816.038	920.760	1031.409
70.0	341.827	339.851	345.779	373.441	409.007	486.066	574.981	669.823	768.617	861.484
72.5	270.696	268.720	272.671	296.382	329.972	389.248	462.356	549.295	626.354	701.437
75.0	209.443	207.467	209.443	229.202	254.889	302.310	365.538	428.766	491.994	553.246
77.5	154.119	152.143	154.119	169.926	187.709	225.250	274.647	320.093	367.514	420.862
80.0	106.698	104.722	106.698	116.577	130.408	156.095	191.660	225.250	258.840	296.382
82.5	65.204	65.204	65.204	73.108	81.011	96.818	118.553	142.263	162.022	185.733
85.0	33.590	31.614	31.614	35.566	41.493	49.397	61.252	71.132	82.987	94.842
87.5	9.879	9.879	9.879	11.855	11.855	13.831	17.783	21.735	25.686	29.638
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	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678
2.5	1790.147	1784.220	1774.340	1768.413	1768.413	1766.437	1758.533	1754.581	1748.654	1742.726
5.0	1845.472	1835.593	1821.761	1809.906	1803.978	1800.027	1786.196	1776.316	1766.437	1754.581
7.5	1894.869	1888.941	1881.038	1867.207	1859.303	1851.400	1835.593	1819.786	1805.954	1786.196
10.0	1932.411	1932.411	1926.483	1920.555	1914.628	1904.748	1890.917	1873.134	1849.424	1825.713
12.5	1997.615	1993.663	1987.735	1979.832	1967.977	1958.097	1940.314	1920.555	1888.941	1859.303
15.0	2064.795	2054.915	2041.084	2025.277	2011.446	1999.591	1981.808	1960.073	1924.507	1886.965
17.5	2128.023	2112.216	2096.409	2072.698	2056.891	2043.060	2023.301	1999.591	1954.145	1908.700
20.0	2173.468	2157.661	2153.709	2135.926	2106.288	2080.602	2054.915	2025.277	1973.904	1922.531
22.5	2205.082	2197.179	2193.227	2171.492	2135.926	2110.240	2086.529	2052.939	2007.494	1942.290
25.0	2250.527	2222.865	2214.962	2203.106	2173.468	2141.854	2114.192	2076.650	2031.205	1966.001
27.5	2321.659	2258.431	2244.600	2224.841	2201.130	2161.613	2131.975	2094.433	2041.084	1969.952

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CANDELA TABULATION - (Cont.)

30.0	2380.935	2319.683	2272.262	2248.551	2228.793	2197.179	2151.733	2112.216	2050.963	1969.952
32.5	2426.381	2371.056	2317.707	2272.262	2252.503	2220.889	2181.372	2133.950	2060.843	1975.880
35.0	2454.043	2406.622	2347.345	2307.828	2286.093	2256.455	2203.106	2145.806	2076.650	1985.759
37.5	2471.826	2420.453	2376.984	2333.514	2309.804	2284.117	2236.696	2171.492	2092.457	1987.735
40.0	2479.729	2432.308	2388.839	2355.249	2333.514	2305.852	2256.455	2177.420	2088.505	1979.832
42.5	2481.705	2432.308	2382.911	2361.177	2325.611	2309.804	2274.238	2197.179	2104.312	1987.735
45.0	2461.947	2418.477	2371.056	2341.418	2331.538	2321.659	2292.021	2216.937	2118.143	1987.735
47.5	2418.477	2388.839	2337.466	2317.707	2325.611	2323.635	2295.973	2226.817	2120.119	1983.784
50.0	2345.370	2335.490	2297.948	2295.973	2305.852	2317.707	2311.780	2246.576	2128.023	1983.784
52.5	2240.648	2262.383	2260.407	2262.383	2284.117	2299.924	2305.852	2242.624	2122.095	1967.977
55.0	2094.433	2161.613	2205.082	2230.769	2248.551	2276.214	2284.117	2234.720	2120.119	1950.194
57.5	1922.531	2037.132	2110.240	2151.733	2183.347	2212.986	2228.793	2183.347	2072.698	1904.748
60.0	1734.823	1881.038	1977.856	2039.108	2084.553	2128.023	2147.782	2106.288	1999.591	1843.496
62.5	1547.114	1709.136	1829.665	1912.652	1983.784	2027.253	2054.915	2021.325	1920.555	1764.461
65.0	1353.478	1525.379	1653.812	1756.557	1849.424	1898.821	1948.218	1922.531	1829.665	1665.667
67.5	1171.697	1325.815	1466.103	1574.776	1687.402	1748.654	1796.075	1786.196	1695.305	1549.090
70.0	987.940	1118.348	1252.708	1375.212	1493.765	1556.993	1612.318	1596.511	1517.476	1383.116
72.5	806.159	918.784	1045.241	1165.769	1274.443	1337.671	1383.116	1357.430	1286.298	1177.624
75.0	636.233	731.076	853.580	948.422	1041.289	1090.686	1124.276	1096.613	1031.409	942.495
77.5	480.139	555.222	655.992	733.051	806.159	831.845	857.532	825.918	772.569	705.389
80.0	339.851	393.200	470.259	523.608	576.957	586.836	602.643	578.933	539.415	495.946
82.5	213.395	254.889	302.310	335.900	369.490	393.200	387.272	367.514	351.707	318.117
85.0	108.673	132.384	156.095	173.877	193.636	207.467	203.516	191.660	189.684	169.926
87.5	33.590	41.493	51.373	55.325	63.228	71.132	69.156	63.228	65.204	59.276
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	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678
2.5	1736.799	1730.871	1726.919	1719.016	1713.088	1709.136	1709.136	1707.160	1703.209	1701.233
5.0	1742.726	1730.871	1719.016	1703.209	1691.353	1681.474	1675.546	1671.595	1661.715	1653.812
7.5	1768.413	1748.654	1726.919	1709.136	1689.377	1675.546	1663.691	1645.908	1630.101	1616.270
10.0	1802.003	1774.340	1746.678	1722.967	1695.305	1671.595	1649.860	1622.198	1598.487	1572.801
12.5	1827.689	1796.075	1766.437	1732.847	1701.233	1669.619	1636.029	1594.535	1558.969	1523.404
15.0	1845.472	1805.954	1764.461	1730.871	1695.305	1653.812	1606.390	1558.969	1517.476	1470.055
17.5	1859.303	1811.882	1764.461	1715.064	1667.643	1618.246	1562.921	1511.548	1456.224	1396.947
20.0	1863.255	1815.834	1764.461	1703.209	1645.908	1586.632	1517.476	1442.392	1371.261	1292.226
22.5	1873.134	1815.834	1756.557	1687.402	1618.246	1543.162	1456.224	1361.381	1262.587	1165.769
25.0	1890.917	1823.737	1748.654	1671.595	1584.656	1489.814	1379.164	1262.587	1147.986	1037.337
27.5	1894.869	1819.786	1732.847	1645.908	1547.114	1426.585	1294.201	1161.817	1039.313	926.688
30.0	1886.965	1809.906	1713.088	1606.390	1495.741	1357.430	1207.263	1059.072	936.567	839.749
32.5	1888.941	1794.099	1695.305	1580.704	1440.417	1278.394	1114.396	966.205	855.556	780.473
35.0	1883.014	1780.268	1671.595	1537.235	1381.140	1201.335	1025.482	883.218	786.400	731.076
37.5	1879.062	1770.389	1641.956	1489.814	1310.008	1118.348	934.591	802.207	729.100	691.558
40.0	1867.207	1748.654	1606.390	1438.441	1244.804	1029.433	849.628	725.148	667.847	648.089
42.5	1865.231	1728.895	1576.752	1381.140	1167.745	942.495	766.641	657.968	614.499	606.595
45.0	1851.400	1709.136	1537.235	1319.888	1084.758	849.628	689.582	594.740	561.150	565.102
47.5	1827.689	1677.522	1493.765	1264.563	1011.651	772.569	616.475	537.439	513.729	523.608
50.0	1819.786	1657.763	1456.224	1211.214	942.495	705.389	557.198	488.042	468.284	480.139
52.5	1798.051	1626.149	1412.754	1159.842	883.218	646.113	503.849	434.694	416.911	434.694
55.0	1774.340	1586.632	1367.309	1104.517	829.870	596.716	456.428	391.224	377.393	387.272
57.5	1720.992	1529.331	1310.008	1041.289	768.617	545.343	412.959	351.707	335.900	335.900
60.0	1657.763	1458.199	1232.949	970.157	705.389	495.946	371.465	316.141	294.406	288.478
62.5	1580.704	1381.140	1155.890	897.050	642.161	450.501	335.900	280.575	256.864	248.961
65.0	1497.717	1294.201	1070.927	819.990	582.885	409.007	298.358	246.985	223.274	213.395

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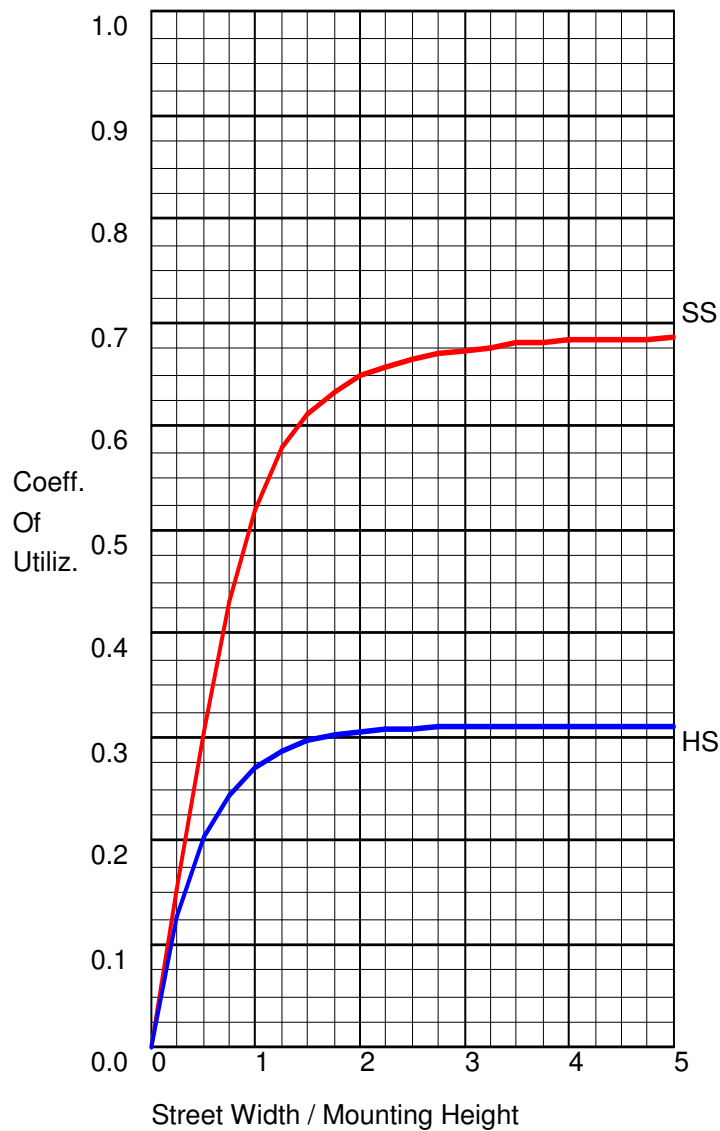
CANDELA TABULATION - (Cont.)

67.5	1379.164	1189.480	976.085	742.931	519.656	361.586	260.816	213.395	189.684	175.853
70.0	1228.997	1057.096	867.411	650.065	452.477	310.213	221.299	177.829	150.167	126.456
72.5	1043.265	899.025	737.003	551.271	379.369	254.889	173.877	132.384	100.770	69.156
75.0	837.773	721.196	594.740	444.573	300.334	185.733	106.698	77.059	35.566	13.831
77.5	624.378	553.246	456.428	335.900	207.467	82.987	41.493	13.831	3.952	1.976
80.0	440.621	393.200	324.044	209.443	45.445	15.807	5.928	1.976	1.976	0.000
82.5	284.527	252.913	207.467	88.915	13.831	3.952	1.976	1.976	0.000	0.000
85.0	152.143	136.336	100.770	19.759	3.952	1.976	1.976	1.976	0.000	0.000
87.5	57.301	47.421	13.831	1.976	1.976	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	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678	1746.678
2.5	1699.257	1701.233	1697.281	1699.257	1703.209	1699.257	1693.329	1687.402
5.0	1649.860	1645.908	1638.005	1639.980	1643.932	1638.005	1636.029	1630.101
7.5	1604.415	1594.535	1578.728	1574.776	1574.776	1572.801	1568.849	1570.825
10.0	1551.066	1535.259	1513.524	1493.765	1485.862	1479.934	1474.007	1477.958
12.5	1491.789	1466.103	1432.513	1406.827	1391.020	1373.237	1375.212	1379.164
15.0	1416.706	1373.237	1329.767	1286.298	1264.563	1240.853	1242.829	1246.780
17.5	1323.840	1258.636	1203.311	1146.010	1110.445	1076.855	1072.903	1076.855
20.0	1205.287	1124.276	1049.192	991.892	950.398	914.832	902.977	902.977
22.5	1063.023	983.988	918.784	859.508	825.918	802.207	786.400	782.448
25.0	932.615	867.411	814.063	776.521	752.810	740.955	733.051	731.076
27.5	841.725	794.304	758.738	735.027	721.196	717.244	717.244	715.269
30.0	784.424	750.834	729.100	717.244	719.220	721.196	727.124	723.172
32.5	740.955	725.148	719.220	725.148	737.003	744.907	752.810	752.810
35.0	705.389	707.365	715.269	731.076	744.907	760.714	774.545	776.521
37.5	681.679	691.558	707.365	725.148	740.955	756.762	770.593	772.569
40.0	654.016	667.847	689.582	711.317	731.076	750.834	766.641	766.641
42.5	618.450	640.185	673.775	701.437	727.124	746.883	760.714	764.666
45.0	588.812	618.450	654.016	675.751	699.462	721.196	735.027	740.955
47.5	555.222	582.885	610.547	634.257	648.089	667.847	673.775	677.727
50.0	513.729	533.488	551.271	567.078	571.029	586.836	588.812	588.812
52.5	456.428	472.235	484.091	488.042	490.018	495.946	497.922	493.970
55.0	399.128	409.007	412.959	412.959	410.983	416.911	420.862	412.959
57.5	337.875	341.827	345.779	345.779	347.755	349.731	351.707	349.731
60.0	290.454	288.478	294.406	294.406	296.382	298.358	296.382	296.382
62.5	246.985	246.985	246.985	245.009	241.057	241.057	241.057	241.057
65.0	209.443	203.516	191.660	181.781	179.805	171.902	171.902	171.902
67.5	162.022	146.215	126.456	108.673	86.939	51.373	41.493	39.518
70.0	102.746	73.108	35.566	21.735	15.807	9.879	9.879	9.879
72.5	31.614	13.831	7.904	5.928	3.952	3.952	3.952	3.952
75.0	5.928	3.952	1.976	1.976	1.976	1.976	1.976	1.976
77.5	1.976	1.976	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

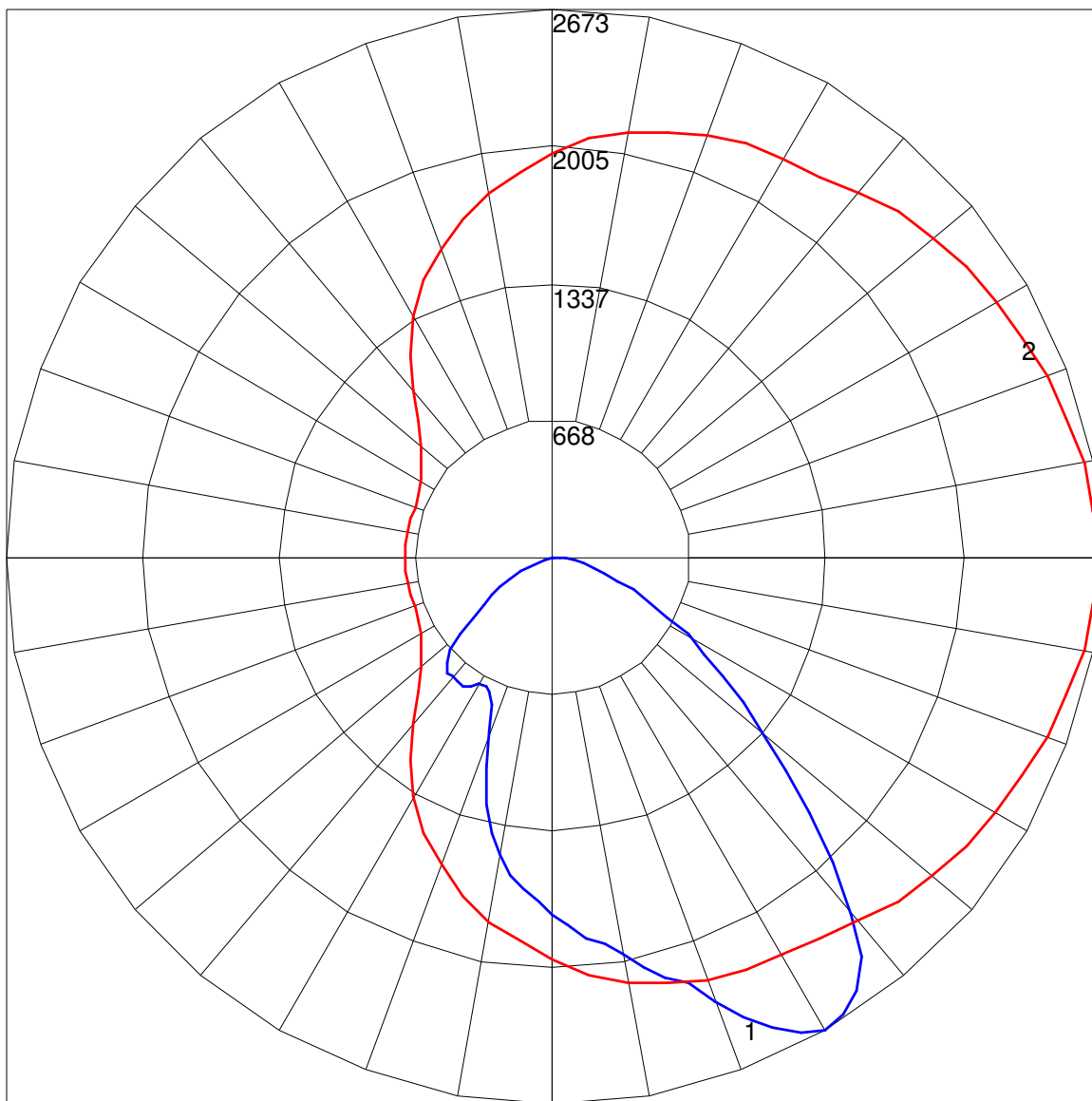
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

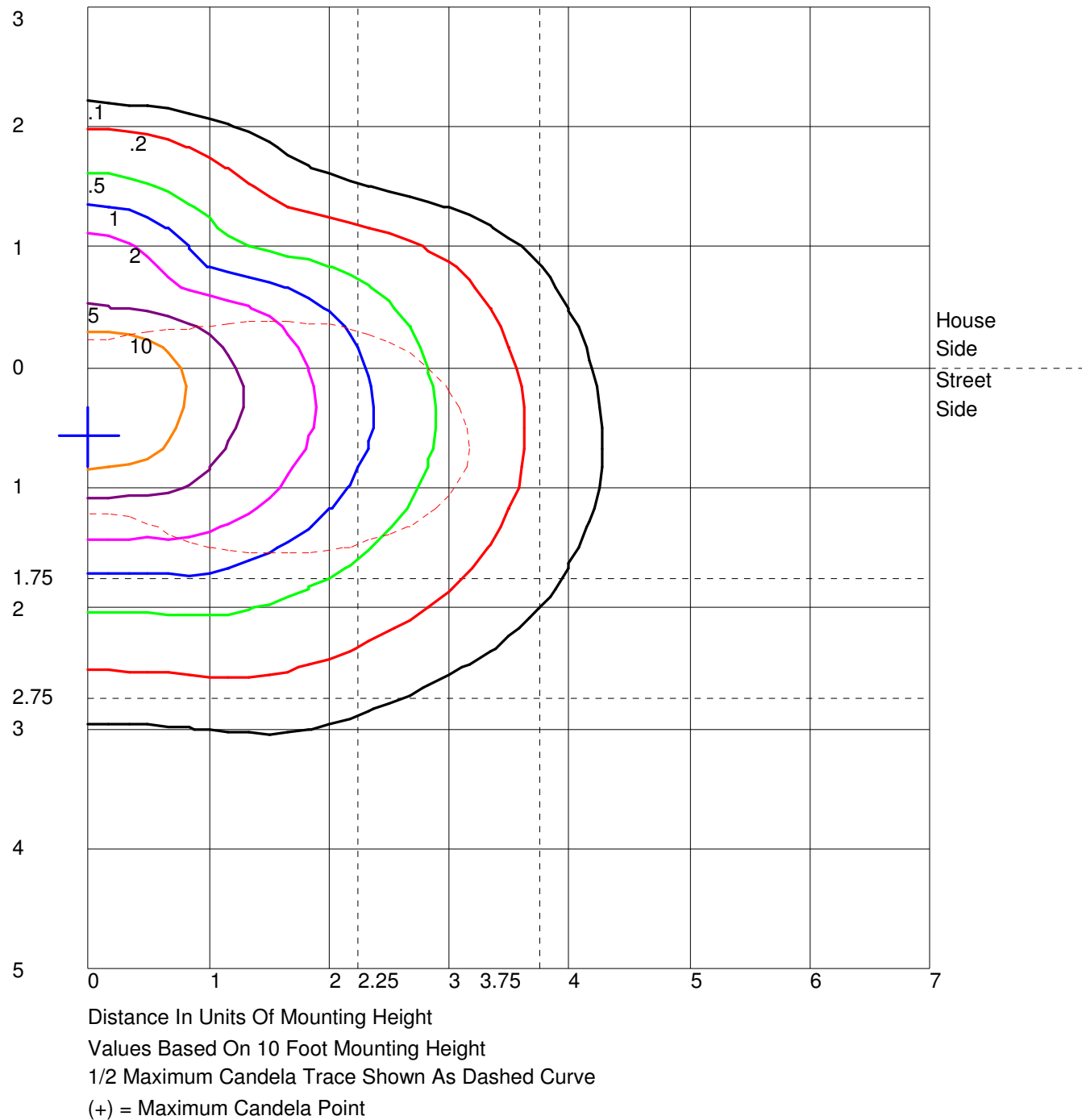
	Lumens	Percent Of Luminaire
Downward Street Side	4377.3	69.0
Downward House Side	1963.5	31.0
Downward Total	6340.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6340.8	100.0

POLAR GRAPH

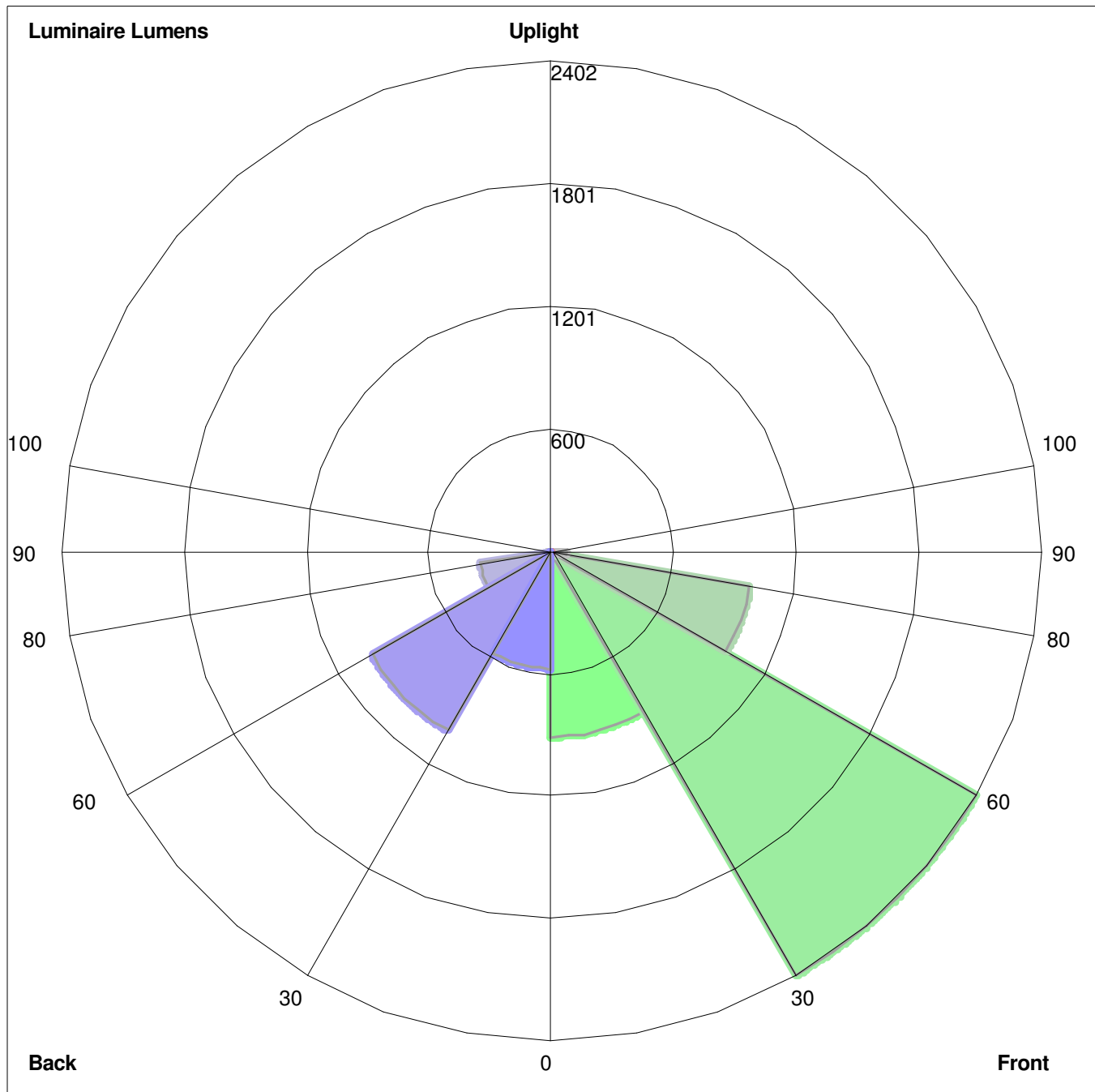


Maximum Candela = 2673.366 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=908.5, Medium=2401.9, High=990.6, Very High=76.3
Back: Low=574.7, Medium=1017.1, High=352.8, Very High=19.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1