



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-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-L85-730-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	8232
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2874.34
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	2874.34
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	511.663 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-730-TFT-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	484.5	N.A.	5.9
FM - Front-Medium (30-60)	2096.9	N.A.	25.5
FH - Front-High (60-80)	1889.0	N.A.	22.9
FVH - Front-Very High (80-90)	42.8	N.A.	0.5
BL - Back-Low (0-30)	469.7	N.A.	5.7
BM - Back-Medium (30-60)	1939.0	N.A.	23.6
BH - Back-High (60-80)	1303.4	N.A.	15.8
BVH - Back-Very High (80-90)	6.3	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	8231.6	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	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384
2.5	1053.423	1050.413	1048.908	1045.899	1042.889	1041.384	1041.384	1042.889	1039.879	1038.374
5.0	1051.918	1047.403	1044.394	1042.889	1041.384	1041.384	1039.879	1041.384	1038.374	1038.374
7.5	1051.918	1047.403	1042.889	1042.889	1041.384	1041.384	1039.879	1038.374	1035.364	1033.859
10.0	1056.433	1050.413	1045.899	1047.403	1044.394	1044.394	1042.889	1041.384	1036.869	1033.859
12.5	1069.977	1062.452	1059.443	1060.947	1057.938	1056.433	1054.928	1050.413	1044.394	1039.879
15.0	1089.540	1079.006	1077.501	1083.521	1083.521	1080.511	1079.006	1074.491	1066.967	1059.443
17.5	1115.123	1103.084	1095.560	1103.084	1104.589	1106.094	1109.104	1106.094	1097.065	1089.540
20.0	1157.260	1146.726	1134.687	1136.192	1133.182	1137.697	1140.707	1142.211	1134.687	1127.163
22.5	1211.436	1200.902	1185.853	1182.844	1175.319	1178.329	1179.834	1181.339	1176.824	1170.804
25.0	1270.127	1262.603	1243.039	1237.020	1226.485	1227.990	1224.980	1227.990	1221.971	1218.961
27.5	1330.323	1318.284	1298.720	1292.700	1279.156	1280.661	1271.632	1271.632	1270.127	1274.642
30.0	1402.557	1393.528	1367.945	1355.906	1340.857	1334.837	1319.788	1321.293	1318.284	1319.788
32.5	1483.822	1468.773	1449.209	1432.655	1413.092	1396.538	1376.974	1373.965	1364.935	1360.421
35.0	1571.105	1559.066	1537.998	1519.939	1492.851	1471.782	1446.199	1432.655	1419.111	1404.062
37.5	1652.369	1643.340	1622.271	1607.222	1577.125	1551.542	1521.444	1491.346	1473.287	1456.733
40.0	1730.623	1724.604	1702.031	1688.487	1659.894	1631.301	1598.193	1565.086	1541.007	1518.434
42.5	1811.888	1804.363	1783.295	1766.741	1739.653	1708.050	1676.447	1646.350	1619.262	1599.698
45.0	1885.627	1879.608	1864.559	1848.005	1820.917	1787.809	1757.711	1727.614	1708.050	1694.506
47.5	1954.852	1948.833	1941.308	1930.774	1905.191	1867.568	1840.480	1810.383	1798.344	1796.839
50.0	1993.979	1995.484	1998.494	2004.513	1992.474	1954.852	1935.288	1911.210	1900.676	1905.191
52.5	2003.009	2012.038	2036.116	2063.204	2072.233	2046.650	2040.631	2027.087	2016.553	2022.572
55.0	2019.562	2030.097	2072.233	2121.895	2153.498	2147.478	2151.993	2159.517	2151.993	2153.498
57.5	2097.817	2117.380	2155.002	2219.713	2264.859	2278.403	2291.947	2320.540	2323.550	2314.521
60.0	2189.615	2213.693	2257.335	2337.094	2397.290	2434.912	2462.000	2525.205	2556.808	2546.274
62.5	2201.654	2228.742	2282.918	2362.677	2413.844	2477.049	2544.769	2689.238	2768.998	2775.017
65.0	2124.905	2156.507	2218.208	2299.472	2367.192	2443.941	2537.244	2744.919	2856.281	2874.340
67.5	2079.758	2117.380	2215.198	2288.938	2319.035	2338.599	2419.863	2662.150	2799.095	2802.105
70.0	2009.028	2055.680	2180.586	2272.384	2316.026	2288.938	2308.501	2404.814	2511.661	2508.652
72.5	1697.516	1736.643	1950.337	2096.312	2167.042	2112.866	2180.586	2084.273	1948.833	1867.568
75.0	725.357	750.940	911.963	1101.579	1270.127	1416.101	1608.727	1700.526	1482.317	1410.082
77.5	261.851	267.870	300.978	338.600	427.389	609.480	880.361	1038.374	1024.830	1063.957
80.0	106.847	109.857	124.906	145.974	185.101	240.782	352.144	455.982	483.070	511.663
82.5	43.642	45.147	52.671	58.691	78.254	103.837	148.984	188.111	198.645	221.219
85.0	16.554	16.554	18.059	21.068	27.088	36.117	54.176	69.225	70.730	82.769
87.5	4.515	4.515	4.515	4.515	4.515	4.515	6.020	6.020	9.029	12.039
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	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384
2.5	1036.869	1035.364	1038.374	1039.879	1036.869	1033.859	1033.859	1033.859	1033.859	1033.859
5.0	1033.859	1032.355	1035.364	1035.364	1032.355	1027.840	1024.830	1024.830	1023.325	1024.830
7.5	1032.355	1027.840	1030.850	1029.345	1026.335	1020.315	1015.801	1015.801	1014.296	1014.296
10.0	1032.355	1024.830	1027.840	1029.345	1029.345	1023.325	1017.306	1015.801	1014.296	1012.791
12.5	1038.374	1033.859	1036.869	1036.869	1038.374	1032.355	1026.335	1023.325	1020.315	1018.811
15.0	1059.443	1056.433	1057.938	1056.433	1054.928	1050.413	1041.384	1033.859	1030.850	1029.345
17.5	1086.531	1085.026	1083.521	1080.511	1074.491	1065.462	1059.443	1053.423	1051.918	1050.413
20.0	1122.648	1121.143	1119.638	1110.609	1103.084	1092.550	1088.035	1086.531	1086.531	1085.026
22.5	1166.290	1157.260	1154.251	1146.726	1139.202	1133.182	1131.677	1130.172	1130.172	1128.667
25.0	1215.951	1200.902	1197.892	1191.873	1185.853	1187.358	1187.358	1185.853	1185.853	1179.834
27.5	1265.612	1247.554	1240.029	1235.515	1234.010	1240.029	1240.029	1241.534	1244.544	1235.515

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CANDELA TABULATION - (Cont.)

30.0	1319.788	1298.720	1283.671	1285.176	1286.681	1297.215	1297.215	1300.225	1307.749	1298.720
32.5	1366.440	1355.906	1333.333	1336.342	1340.857	1354.401	1361.925	1369.450	1378.479	1366.440
35.0	1410.082	1411.587	1392.023	1396.538	1407.072	1423.626	1434.160	1447.704	1459.743	1446.199
37.5	1456.733	1467.268	1462.753	1470.277	1485.326	1506.395	1519.939	1534.988	1537.998	1533.483
40.0	1516.929	1534.988	1541.007	1556.056	1569.600	1589.164	1610.232	1625.281	1625.281	1622.271
42.5	1590.669	1610.232	1619.262	1640.330	1656.884	1671.933	1691.496	1703.535	1699.021	1700.526
45.0	1679.457	1693.001	1705.040	1724.604	1741.158	1754.702	1765.236	1765.236	1759.216	1762.226
47.5	1781.790	1783.295	1786.304	1808.878	1823.927	1844.995	1849.510	1840.480	1831.451	1838.976
50.0	1896.161	1888.637	1881.112	1896.161	1911.210	1933.784	1929.269	1909.705	1897.666	1908.200
52.5	2019.562	2006.018	1989.465	1999.999	2006.018	2012.038	1983.445	1948.833	1938.298	1953.347
55.0	2153.498	2147.478	2117.380	2108.351	2096.312	2076.748	2010.533	1948.833	1930.774	1948.833
57.5	2325.055	2316.026	2264.859	2240.781	2200.149	2156.507	2058.689	1989.465	1974.416	1980.435
60.0	2553.798	2540.254	2455.980	2400.299	2338.599	2264.859	2148.983	2081.263	2067.719	2069.224
62.5	2761.473	2713.317	2565.837	2452.971	2374.716	2273.889	2153.498	2084.273	2067.719	2070.729
65.0	2847.252	2762.978	2573.362	2430.397	2352.143	2254.325	2153.498	2088.787	2076.748	2070.729
67.5	2802.105	2701.277	2484.573	2382.241	2364.182	2293.452	2197.139	2090.292	2066.214	2064.709
70.0	2567.342	2478.554	2374.716	2377.726	2424.378	2374.716	2237.771	2064.709	2022.572	2030.097
72.5	1944.318	2139.954	2294.957	2252.820	2300.977	2218.208	2010.533	1766.741	1714.070	1756.207
75.0	1513.919	1775.770	1744.167	1578.630	1334.837	1179.834	927.012	750.940	755.455	749.435
77.5	1047.403	1062.452	937.546	701.279	446.952	394.281	331.076	285.929	291.949	285.929
80.0	498.119	474.040	374.718	281.414	206.170	185.101	151.994	132.430	130.925	124.906
82.5	207.675	204.665	168.548	129.421	99.323	81.264	67.720	58.691	60.196	60.196
85.0	79.759	82.769	69.225	54.176	40.632	34.612	28.593	27.088	25.583	25.583
87.5	15.049	19.564	15.049	13.544	12.039	10.534	9.029	7.524	7.524	7.524
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	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384
2.5	1033.859	1032.355	1032.355	1030.850	1032.355	1036.869	1033.859	1033.859	1036.869	1041.384
5.0	1023.325	1021.820	1023.325	1026.335	1026.335	1030.850	1029.345	1029.345	1032.355	1035.364
7.5	1012.791	1012.791	1017.306	1020.315	1021.820	1024.830	1024.830	1023.325	1026.335	1030.850
10.0	1012.791	1014.296	1018.811	1021.820	1020.315	1021.820	1021.820	1021.820	1024.830	1027.840
12.5	1020.315	1023.325	1029.345	1030.850	1029.345	1024.830	1024.830	1024.830	1029.345	1033.859
15.0	1032.355	1038.374	1042.889	1047.403	1045.899	1044.394	1042.889	1042.889	1044.394	1050.413
17.5	1050.413	1051.918	1059.443	1066.967	1066.967	1069.977	1068.472	1066.967	1066.967	1071.482
20.0	1082.016	1080.511	1083.521	1094.055	1095.560	1098.570	1098.570	1100.075	1097.065	1097.065
22.5	1124.153	1122.648	1122.648	1130.172	1133.182	1133.182	1133.182	1134.687	1131.677	1128.667
25.0	1181.339	1178.329	1170.804	1175.319	1175.319	1173.814	1178.329	1176.824	1173.814	1167.795
27.5	1240.029	1232.505	1223.476	1223.476	1217.456	1215.951	1229.495	1224.980	1217.456	1205.417
30.0	1298.720	1288.186	1276.147	1268.622	1262.603	1264.108	1273.137	1264.108	1253.573	1240.029
32.5	1361.925	1345.372	1333.333	1321.293	1310.759	1315.274	1310.759	1298.720	1286.681	1277.652
35.0	1438.675	1419.111	1399.548	1384.499	1364.935	1357.411	1348.381	1327.313	1318.284	1310.759
37.5	1527.463	1506.395	1486.831	1456.733	1425.131	1410.082	1389.013	1369.450	1355.906	1349.886
40.0	1614.747	1593.678	1574.115	1539.502	1494.356	1464.258	1438.675	1420.616	1405.567	1402.557
42.5	1693.001	1670.428	1655.379	1614.747	1572.610	1530.473	1498.870	1480.812	1467.268	1467.268
45.0	1766.741	1753.197	1730.623	1688.487	1646.350	1602.708	1568.095	1553.046	1542.512	1536.493
47.5	1848.005	1841.985	1811.888	1766.741	1723.099	1674.943	1650.864	1629.796	1619.262	1607.222
50.0	1924.754	1927.764	1897.666	1852.520	1807.373	1757.711	1744.167	1720.089	1700.526	1685.477
52.5	1986.455	2001.504	1986.455	1936.793	1905.191	1863.054	1843.490	1810.383	1795.334	1777.275
55.0	1999.999	2046.650	2061.699	2036.116	2016.553	1980.435	1954.852	1917.230	1905.191	1891.647
57.5	2030.097	2084.273	2138.449	2144.468	2133.934	2115.875	2091.797	2045.145	2031.601	2024.077
60.0	2108.351	2159.517	2240.781	2279.908	2279.908	2297.967	2287.433	2237.771	2218.208	2203.159
62.5	2105.341	2164.032	2251.315	2329.570	2397.290	2478.554	2498.117	2457.485	2443.941	2406.319
65.0	2087.282	2130.924	2224.227	2320.540	2392.775	2549.284	2633.557	2632.053	2574.867	2505.642

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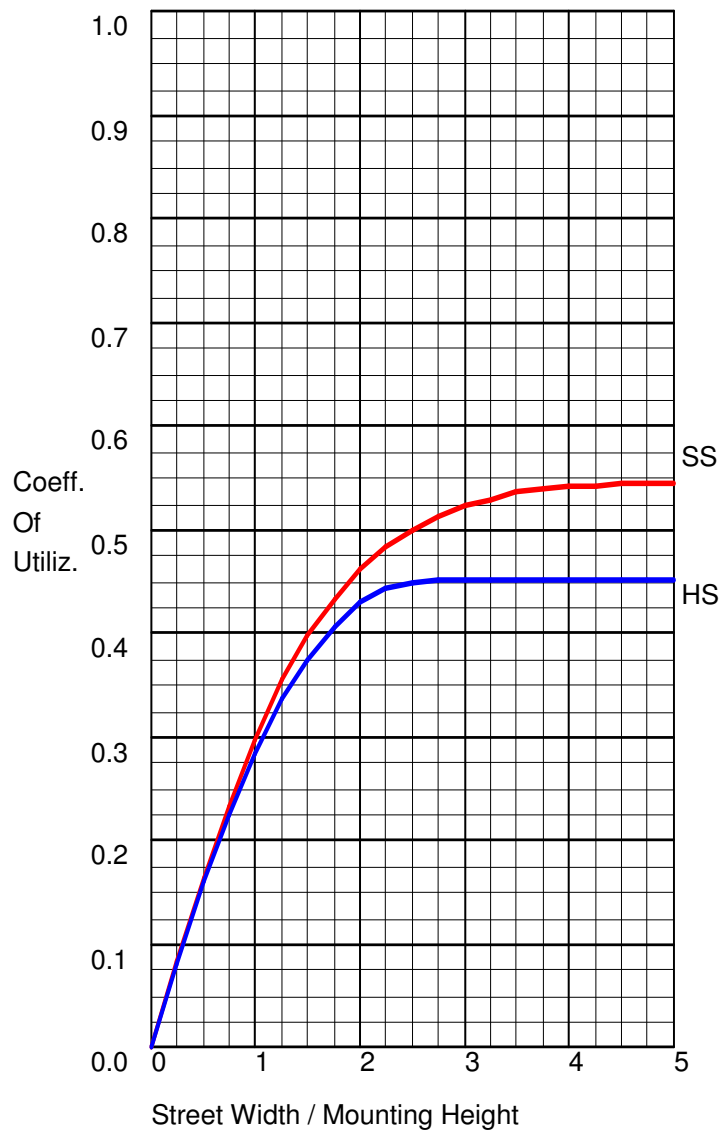
CANDELA TABULATION - (Cont.)

67.5	2108.351	2173.061	2221.218	2252.820	2314.521	2538.749	2653.121	2486.078	2310.006	2221.218
70.0	2106.846	2221.218	2264.859	2246.801	2233.257	2358.163	2075.243	1903.686	2064.709	1249.059
72.5	1932.279	2139.954	2252.820	2189.615	2228.742	1626.786	1437.170	1009.781	188.111	34.612
75.0	934.537	1176.824	1434.160	1498.870	1366.440	1133.182	260.346	25.583	6.020	4.515
77.5	334.086	385.252	468.021	559.819	650.112	18.059	6.020	4.515	3.010	3.010
80.0	148.984	168.548	159.518	129.421	49.661	3.010	3.010	1.505	1.505	1.505
82.5	64.710	64.710	42.137	18.059	3.010	1.505	1.505	1.505	1.505	1.505
85.0	27.088	15.049	7.524	1.505	1.505	1.505	1.505	0.000	0.000	0.000
87.5	6.020	1.505	1.505	1.505	1.505	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	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384	1041.384
2.5	1039.879	1041.384	1044.394	1044.394	1047.403	1044.394	1039.879
5.0	1033.859	1033.859	1036.869	1036.869	1038.374	1036.869	1030.850
7.5	1027.840	1027.840	1029.345	1027.840	1029.345	1027.840	1021.820
10.0	1026.335	1026.335	1026.335	1027.840	1030.850	1027.840	1024.830
12.5	1033.859	1036.869	1033.859	1036.869	1039.879	1036.869	1033.859
15.0	1051.918	1051.918	1048.908	1050.413	1048.908	1044.394	1042.889
17.5	1069.977	1068.472	1060.947	1059.443	1057.938	1057.938	1056.433
20.0	1094.055	1091.045	1080.511	1080.511	1082.016	1083.521	1085.026
22.5	1124.153	1119.638	1107.599	1109.104	1113.619	1118.133	1124.153
25.0	1160.270	1149.736	1142.211	1143.716	1149.736	1157.260	1161.775
27.5	1190.368	1181.339	1175.319	1178.329	1184.348	1193.378	1199.397
30.0	1223.476	1217.456	1217.456	1220.466	1227.990	1240.029	1247.554
32.5	1264.108	1258.088	1258.088	1264.108	1274.642	1289.691	1298.720
35.0	1306.244	1297.215	1306.244	1315.274	1330.323	1346.877	1358.916
37.5	1348.381	1352.896	1367.945	1381.489	1396.538	1417.606	1434.160
40.0	1404.062	1417.606	1431.150	1449.209	1470.277	1494.356	1510.910
42.5	1470.277	1485.326	1501.880	1518.434	1539.502	1566.590	1584.649
45.0	1539.502	1553.046	1569.600	1586.154	1607.222	1635.815	1650.864
47.5	1608.727	1616.252	1637.320	1652.369	1673.438	1702.031	1712.565
50.0	1685.477	1689.991	1709.555	1724.604	1744.167	1769.751	1775.770
52.5	1775.770	1775.770	1787.809	1799.848	1805.868	1822.422	1823.927
55.0	1881.112	1872.083	1873.588	1875.093	1863.054	1860.044	1854.024
57.5	2006.018	1992.474	1980.435	1956.357	1909.705	1882.617	1870.578
60.0	2182.090	2151.993	2109.856	2046.650	1968.396	1944.318	1935.288
62.5	2331.075	2242.286	2161.022	2076.748	1999.999	1975.921	1962.377
65.0	2358.163	2243.791	2142.963	2027.087	1855.529	1628.291	1626.786
67.5	2200.149	1723.099	1134.687	626.034	314.522	182.092	135.440
70.0	428.894	215.199	25.583	9.029	6.020	6.020	6.020
72.5	9.029	6.020	4.515	4.515	4.515	4.515	3.010
75.0	4.515	3.010	3.010	3.010	1.505	1.505	1.505
77.5	1.505	1.505	1.505	1.505	1.505	0.000	0.000
80.0	1.505	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

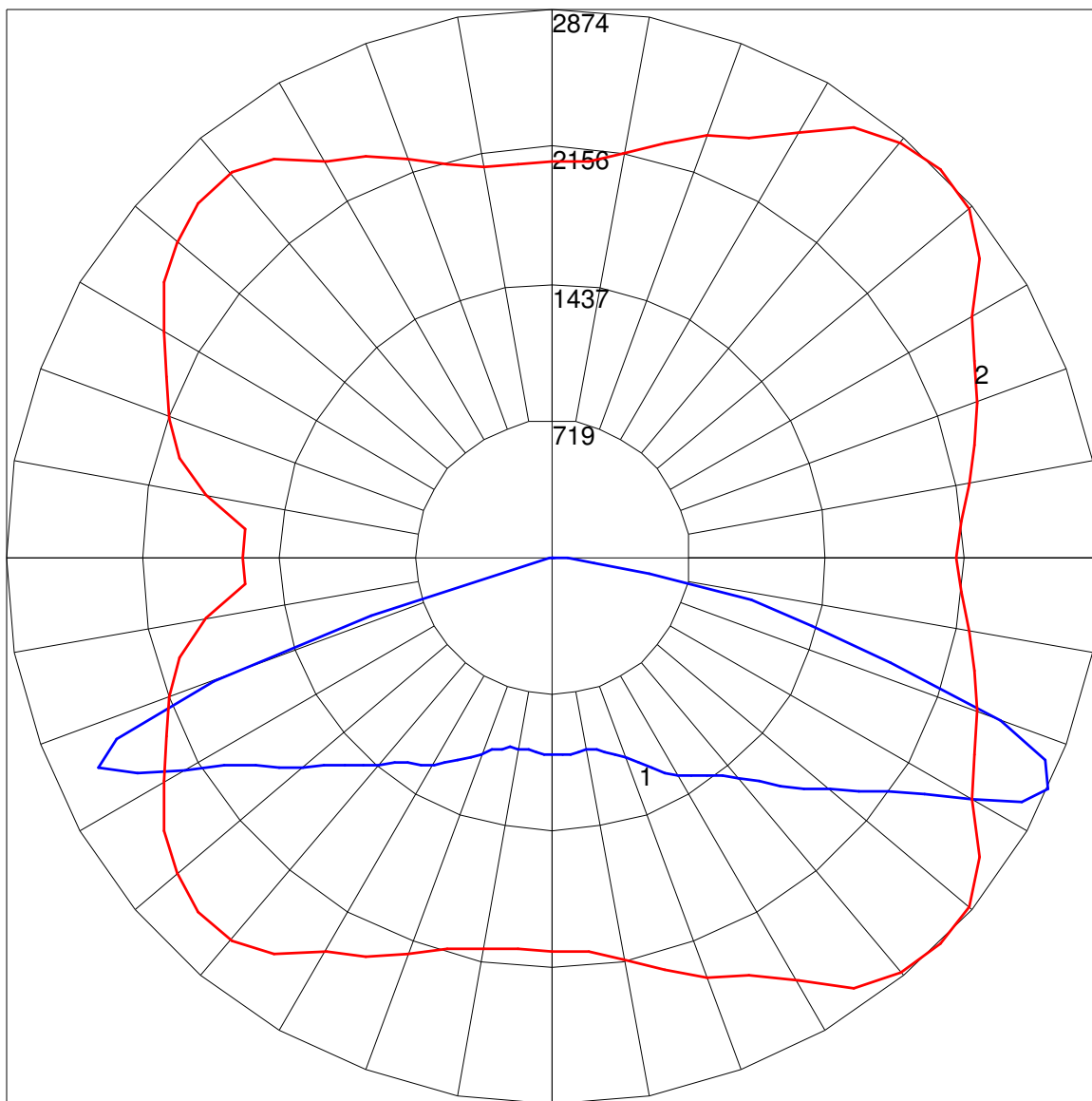
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

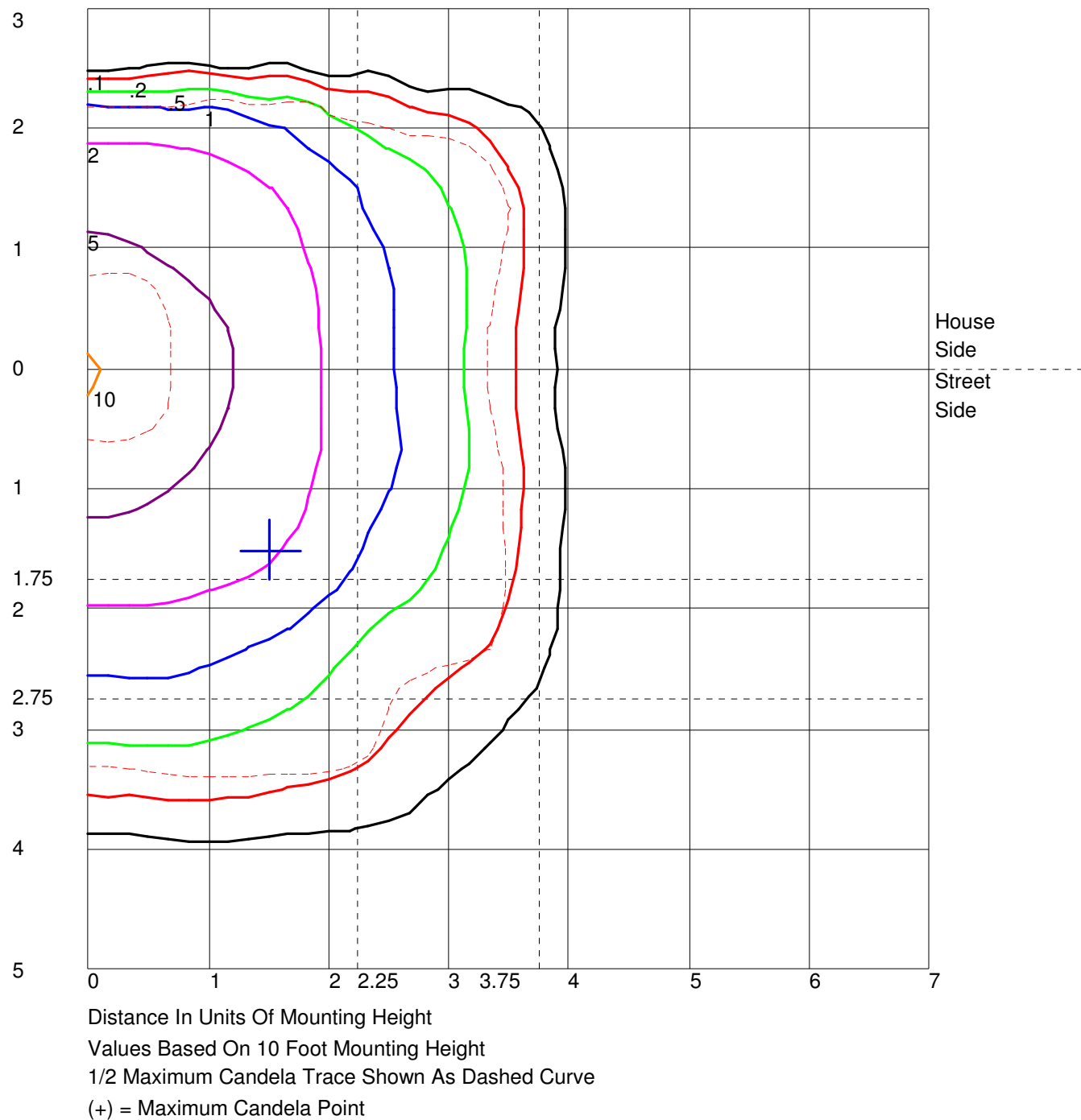
	Lumens	Percent Of Luminaire
Downward Street Side	4513.2	54.8
Downward House Side	3718.3	45.2
Downward Total	8231.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8231.5	100.0

POLAR GRAPH

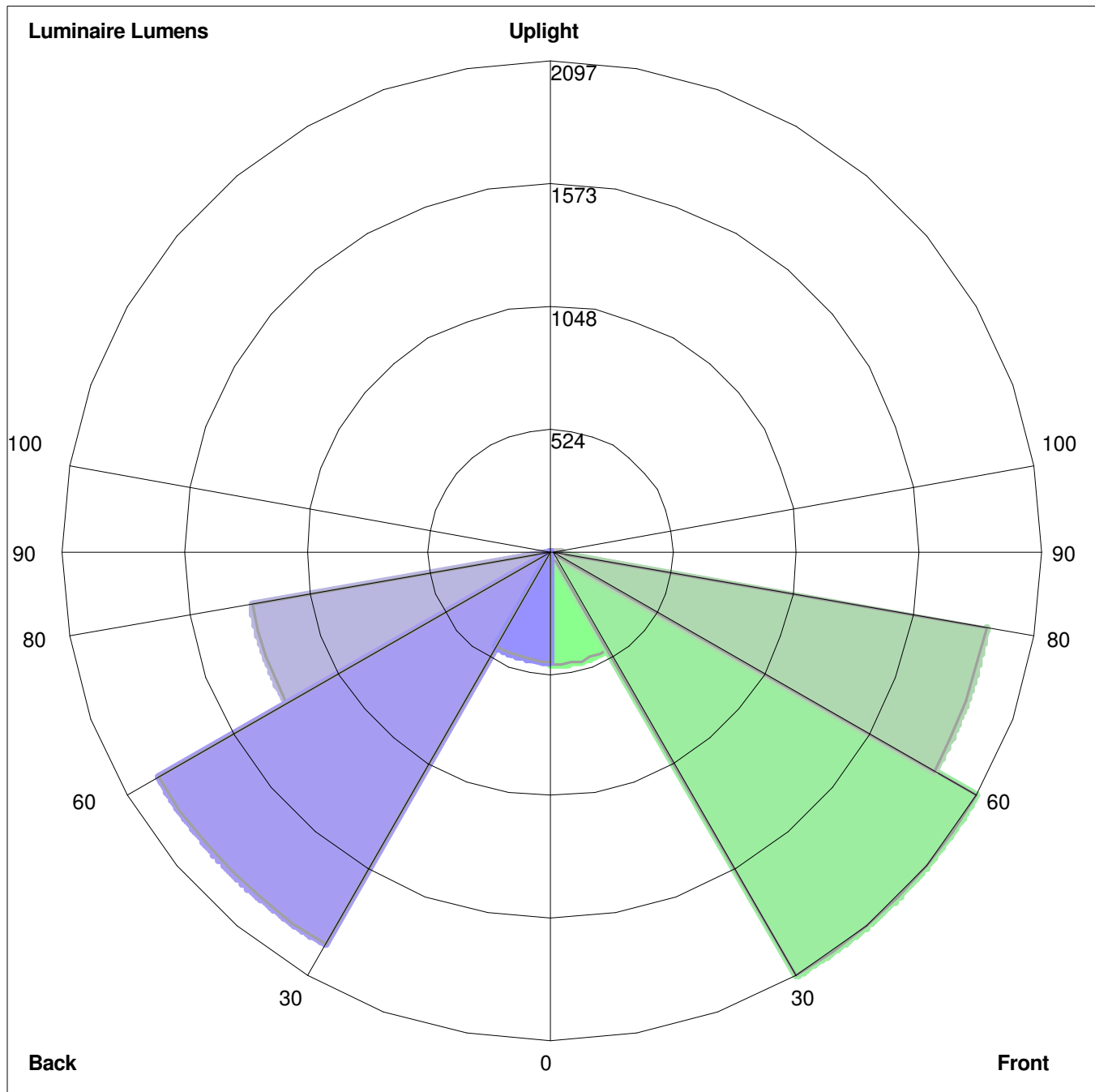


Maximum Candela = 2874.34 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=484.5, Medium=2096.9, High= 1889.0, Very High=42.8
Back: Low=469.7, Medium= 1939.0, High=1303.4, Very High=6.3
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3