



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-750-TFT-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009421
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2024-02-01
[TEST DATE] 07/14/15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPx-L85-750-TFT-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] FORWARD THROW DISTRIBUTION WITH
[MORE] MICRO-PRISMATIC 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	8746
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2406.742
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	2406.742
Maximum Candela Angle (<90 Degrees Vertical)	52.5H 57.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	666.429 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-750-TFT-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	608.7	N.A.	7.0
FM - Front-Medium (30-60)	2430.7	N.A.	27.8
FH - Front-High (60-80)	1544.0	N.A.	17.7
FVH - Front-Very High (80-90)	118.1	N.A.	1.4
BL - Back-Low (0-30)	589.6	N.A.	6.7
BM - Back-Medium (30-60)	2303.6	N.A.	26.3
BH - Back-High (60-80)	1126.5	N.A.	12.9
BVH - Back-Very High (80-90)	24.5	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	8745.7	N.A.	100.0
BUG Rating	B3-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</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>	<u>45.0</u>
0.0	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046
2.5	1346.670	1343.217	1336.311	1329.405	1329.405	1329.405	1332.858	1325.952	1325.952	1322.499
5.0	1325.952	1322.499	1315.593	1308.687	1305.234	1305.234	1305.234	1301.781	1298.328	1301.781
7.5	1360.482	1353.576	1346.670	1336.311	1325.952	1322.499	1322.499	1315.593	1305.234	1301.781
10.0	1339.764	1332.858	1322.499	1308.687	1305.234	1312.140	1319.046	1322.499	1322.499	1325.952
12.5	1360.482	1350.123	1332.858	1325.952	1322.499	1332.858	1332.858	1329.405	1319.046	1322.499
15.0	1363.935	1357.029	1343.217	1346.670	1353.576	1363.935	1363.935	1363.935	1350.123	1346.670
17.5	1401.918	1395.012	1377.747	1381.200	1381.200	1388.106	1391.559	1395.012	1388.106	1395.012
20.0	1436.448	1422.636	1408.824	1412.277	1419.183	1422.636	1439.901	1439.901	1439.901	1443.354
22.5	1488.243	1477.884	1467.525	1467.525	1453.713	1464.072	1467.525	1484.790	1491.696	1488.243
25.0	1540.038	1529.679	1526.226	1522.773	1508.961	1515.867	1512.414	1522.773	1529.679	1536.585
27.5	1622.910	1616.004	1602.192	1588.380	1571.115	1564.209	1557.303	1581.474	1588.380	1574.568
30.0	1691.971	1685.064	1678.158	1664.346	1653.987	1629.816	1622.910	1633.269	1626.363	1629.816
32.5	1774.843	1778.296	1774.843	1754.125	1723.048	1705.783	1688.517	1691.971	1681.611	1674.705
35.0	1878.433	1878.433	1871.527	1850.809	1809.373	1792.108	1774.843	1757.578	1757.578	1743.766
37.5	1985.476	1971.664	1957.852	1944.040	1906.057	1881.886	1850.809	1850.809	1823.185	1819.732
40.0	2082.160	2075.254	2054.536	2051.083	1999.288	1982.023	1957.852	1940.587	1912.963	1909.510
42.5	2147.767	2151.220	2133.955	2147.767	2109.784	2099.425	2068.348	2040.724	2020.006	1995.835
45.0	2220.280	2230.639	2213.374	2230.639	2209.921	2213.374	2182.297	2151.220	2116.690	2113.237
47.5	2289.340	2299.699	2296.246	2303.152	2289.340	2292.793	2258.263	2247.904	2213.374	2216.827
50.0	2306.605	2323.870	2330.776	2327.323	2334.229	2334.229	2330.776	2310.058	2310.058	2285.887
52.5	2275.528	2296.246	2303.152	2310.058	2351.494	2351.494	2358.400	2344.588	2348.041	2348.041
55.0	2230.639	2247.904	2254.810	2278.981	2337.682	2337.682	2354.947	2368.759	2379.118	2389.477
57.5	2144.314	2161.579	2189.203	2237.545	2275.528	2289.340	2341.135	2358.400	2386.024	2389.477
60.0	2051.083	2064.895	2092.519	2144.314	2178.844	2230.639	2282.434	2323.870	2351.494	2365.306
62.5	1909.510	1940.587	1964.758	2013.100	2075.254	2127.049	2175.391	2223.733	2282.434	2296.246
65.0	1757.578	1781.749	1809.373	1864.621	1919.869	1975.117	2026.912	2078.707	2151.220	2178.844
67.5	1581.474	1588.380	1622.910	1671.252	1712.689	1764.484	1819.732	1881.886	1961.305	1992.382
70.0	1357.029	1357.029	1388.106	1432.995	1464.072	1515.867	1574.568	1636.722	1705.783	1754.125
72.5	1104.960	1104.960	1132.584	1177.473	1208.550	1253.439	1325.952	1360.482	1429.542	1474.431
75.0	856.344	856.344	887.421	932.310	963.387	997.917	1066.977	1108.413	1156.755	1187.832
77.5	631.899	631.899	659.523	700.959	728.583	759.660	814.908	849.438	880.515	911.592
80.0	435.078	431.625	455.796	486.873	507.591	538.668	583.557	600.822	621.540	645.711
82.5	265.881	262.428	283.146	296.958	321.129	334.941	366.018	376.377	390.189	404.001
85.0	127.761	124.308	138.120	141.573	158.838	162.291	183.009	193.368	193.368	200.274
87.5	34.530	34.530	37.983	37.983	44.889	41.436	51.795	55.248	55.248	58.701
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>50.0</u>	<u>52.5</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	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046
2.5	1322.499	1322.499	1325.952	1329.405	1329.405	1325.952	1322.499	1319.046	1319.046	1315.593
5.0	1305.234	1308.687	1312.140	1319.046	1325.952	1325.952	1325.952	1322.499	1315.593	1308.687
7.5	1301.781	1301.781	1301.781	1305.234	1315.593	1322.499	1325.952	1325.952	1322.499	1315.593
10.0	1322.499	1315.593	1312.140	1301.781	1298.328	1305.234	1315.593	1319.046	1315.593	1305.234
12.5	1332.858	1332.858	1332.858	1319.046	1305.234	1308.687	1312.140	1325.952	1325.952	1319.046
15.0	1346.670	1350.123	1353.576	1367.388	1357.029	1350.123	1339.764	1350.123	1346.670	1332.858
17.5	1398.465	1391.559	1388.106	1384.653	1384.653	1370.841	1360.482	1363.935	1363.935	1353.576
20.0	1439.901	1436.448	1429.542	1412.277	1401.918	1401.918	1388.106	1388.106	1398.465	1391.559
22.5	1477.884	1467.525	1467.525	1464.072	1450.260	1450.260	1432.995	1426.089	1436.448	1432.995
25.0	1526.226	1522.773	1515.867	1515.867	1498.602	1491.696	1484.790	1474.431	1484.790	1488.243
27.5	1578.021	1574.568	1567.662	1553.850	1550.397	1543.491	1540.038	1546.944	1550.397	1550.397

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CANDELA TABULATION - (Cont.)

30.0	1626.363	1619.457	1609.098	1609.098	1602.192	1609.098	1609.098	1626.363	1629.816	1629.816
32.5	1664.346	1660.893	1660.893	1674.705	1681.611	1667.799	1678.158	1691.971	1691.971	1698.877
35.0	1740.313	1736.860	1729.954	1743.766	1740.313	1754.125	1767.937	1778.296	1778.296	1802.467
37.5	1812.826	1812.826	1812.826	1823.185	1823.185	1850.809	1864.621	1861.168	1871.527	1881.886
40.0	1902.604	1906.057	1909.510	1916.416	1916.416	1944.040	1961.305	1964.758	1982.023	1985.476
42.5	2013.100	2016.553	2013.100	2020.006	2023.459	2057.989	2061.442	2068.348	2068.348	2071.801
45.0	2109.784	2113.237	2109.784	2113.237	2130.502	2154.673	2154.673	2147.767	2147.767	2144.314
47.5	2206.468	2203.015	2199.562	2209.921	2213.374	2223.733	2216.827	2213.374	2199.562	2203.015
50.0	2289.340	2285.887	2285.887	2289.340	2285.887	2296.246	2282.434	2258.263	2240.998	2244.451
52.5	2344.588	2348.041	2348.041	2334.229	2330.776	2323.870	2299.699	2282.434	2254.810	2247.904
55.0	2382.571	2392.930	2389.477	2368.759	2348.041	2330.776	2292.793	2275.528	2240.998	2230.639
57.5	2399.836	2406.742	2399.836	2365.306	2337.682	2310.058	2265.169	2223.733	2192.656	2175.391
60.0	2379.118	2379.118	2375.665	2323.870	2299.699	2261.716	2203.015	2161.579	2102.878	2092.519
62.5	2323.870	2320.417	2310.058	2278.981	2223.733	2189.203	2123.596	2068.348	2013.100	1999.288
65.0	2206.468	2206.468	2199.562	2178.844	2109.784	2071.801	2016.553	1950.946	1899.151	1868.074
67.5	2016.553	2023.459	2026.912	1995.835	1950.946	1902.604	1847.356	1785.202	1747.219	1709.236
70.0	1778.296	1785.202	1788.655	1764.484	1726.501	1698.877	1636.722	1581.474	1540.038	1498.602
72.5	1505.508	1508.961	1508.961	1491.696	1460.619	1436.448	1388.106	1332.858	1287.969	1249.986
75.0	1208.550	1208.550	1222.362	1201.644	1187.832	1149.849	1122.225	1049.712	1004.823	970.293
77.5	918.498	935.763	935.763	911.592	897.780	870.156	839.079	776.925	738.942	725.130
80.0	649.164	666.429	649.164	642.258	631.899	604.275	583.557	538.668	511.044	504.138
82.5	407.454	421.266	410.907	404.001	407.454	379.830	369.471	338.394	324.582	321.129
85.0	203.727	214.086	217.539	203.727	210.633	193.368	193.368	176.103	169.197	169.197
87.5	58.701	65.607	69.060	62.154	69.060	62.154	65.607	58.701	62.154	62.154
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	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046
2.5	1312.140	1308.687	1308.687	1308.687	1308.687	1308.687	1308.687	1308.687	1305.234	1305.234
5.0	1305.234	1298.328	1298.328	1298.328	1298.328	1305.234	1315.593	1319.046	1325.952	1329.405
7.5	1312.140	1305.234	1305.234	1308.687	1315.593	1325.952	1332.858	1325.952	1319.046	1315.593
10.0	1298.328	1298.328	1308.687	1319.046	1325.952	1322.499	1319.046	1308.687	1301.781	1301.781
12.5	1308.687	1315.593	1322.499	1322.499	1312.140	1305.234	1305.234	1301.781	1315.593	1322.499
15.0	1322.499	1332.858	1339.764	1332.858	1325.952	1319.046	1325.952	1329.405	1329.405	1322.499
17.5	1336.311	1339.764	1346.670	1339.764	1339.764	1353.576	1363.935	1363.935	1360.482	1357.029
20.0	1384.653	1374.294	1374.294	1370.841	1381.200	1377.747	1384.653	1388.106	1398.465	1395.012
22.5	1432.995	1426.089	1412.277	1408.824	1412.277	1412.277	1422.636	1422.636	1422.636	1419.183
25.0	1488.243	1477.884	1460.619	1453.713	1460.619	1460.619	1467.525	1460.619	1460.619	1450.260
27.5	1540.038	1529.679	1522.773	1519.320	1505.508	1512.414	1502.055	1498.602	1502.055	1491.696
30.0	1619.457	1609.098	1605.645	1581.474	1557.303	1557.303	1550.397	1543.491	1540.038	1522.773
32.5	1695.424	1688.517	1681.611	1660.893	1633.269	1612.551	1605.645	1595.286	1591.833	1567.662
35.0	1799.014	1781.749	1767.937	1743.766	1712.689	1681.611	1660.893	1647.081	1636.722	1612.551
37.5	1881.886	1871.527	1854.262	1836.997	1788.655	1754.125	1729.954	1705.783	1688.517	1667.799
40.0	1985.476	1982.023	1961.305	1923.322	1881.886	1850.809	1816.279	1778.296	1747.219	1736.860
42.5	2082.160	2078.707	2057.989	2040.724	1992.382	1947.493	1899.151	1874.980	1836.997	1826.638
45.0	2154.673	2151.220	2147.767	2123.596	2078.707	2047.630	2002.741	1971.664	1923.322	1923.322
47.5	2203.015	2203.015	2216.827	2199.562	2158.126	2127.049	2095.972	2064.895	2044.177	2023.459
50.0	2258.263	2251.357	2258.263	2261.716	2247.904	2206.468	2192.656	2178.844	2137.408	2127.049
52.5	2275.528	2275.528	2299.699	2320.417	2306.605	2285.887	2265.169	2258.263	2234.092	2209.921
55.0	2254.810	2282.434	2320.417	2334.229	2341.135	2337.682	2320.417	2310.058	2282.434	2258.263
57.5	2213.374	2247.904	2292.793	2320.417	2330.776	2344.588	2330.776	2320.417	2303.152	2258.263
60.0	2137.408	2168.485	2227.186	2272.075	2282.434	2306.605	2306.605	2285.887	2258.263	2216.827
62.5	2026.912	2075.254	2130.502	2171.938	2216.827	2220.280	2240.998	2220.280	2189.203	2151.220
65.0	1895.698	1947.493	1999.288	2037.271	2078.707	2099.425	2116.690	2099.425	2057.989	2020.006

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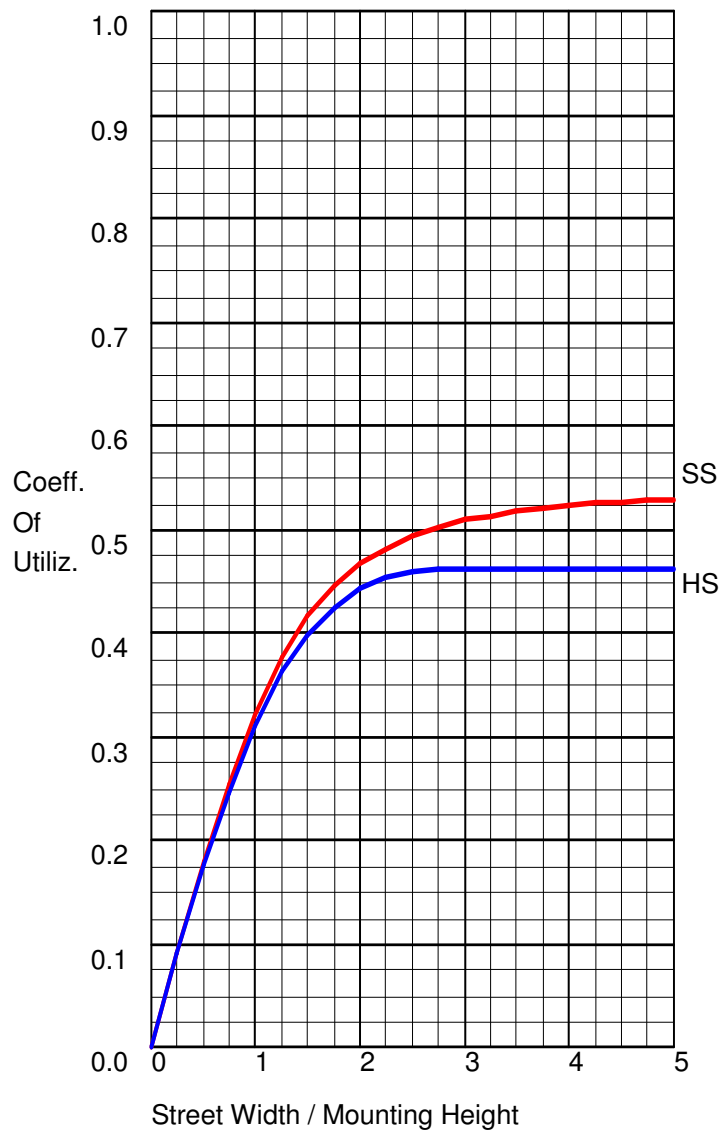
CANDELA TABULATION - (Cont.)

67.5	1733.407	1778.296	1823.185	1857.715	1899.151	1906.057	1912.963	1895.698	1854.262	1795.561
70.0	1522.773	1553.850	1609.098	1636.722	1678.158	1653.987	1664.346	1647.081	1581.474	1439.901
72.5	1274.157	1308.687	1346.670	1363.935	1395.012	1357.029	1350.123	1346.670	1167.114	600.822
75.0	987.558	1025.541	1060.071	1084.242	1073.883	859.797	797.643	752.754	189.915	17.265
77.5	728.583	756.207	787.284	783.831	593.916	369.471	227.898	20.718	6.906	3.453
80.0	511.044	528.309	545.574	393.642	75.966	20.718	6.906	3.453	3.453	0.000
82.5	324.582	334.941	334.941	148.479	10.359	3.453	3.453	3.453	0.000	0.000
85.0	172.650	172.650	134.667	20.718	3.453	0.000	0.000	0.000	0.000	0.000
87.5	62.154	55.248	10.359	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	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	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046	1319.046
2.5	1305.234	1312.140	1315.593	1322.499	1319.046	1315.593	1312.140	1308.687
5.0	1332.858	1336.311	1339.764	1343.217	1339.764	1332.858	1322.499	1322.499
7.5	1312.140	1312.140	1319.046	1319.046	1312.140	1301.781	1294.875	1287.969
10.0	1301.781	1305.234	1315.593	1322.499	1322.499	1312.140	1301.781	1294.875
12.5	1325.952	1322.499	1319.046	1319.046	1322.499	1312.140	1298.328	1291.422
15.0	1329.405	1332.858	1332.858	1332.858	1329.405	1322.499	1312.140	1305.234
17.5	1360.482	1357.029	1350.123	1343.217	1332.858	1332.858	1329.405	1322.499
20.0	1388.106	1377.747	1360.482	1363.935	1353.576	1353.576	1343.217	1339.764
22.5	1415.730	1398.465	1391.559	1395.012	1388.106	1388.106	1377.747	1377.747
25.0	1450.260	1439.901	1426.089	1415.730	1422.636	1429.542	1415.730	1419.183
27.5	1484.790	1470.978	1470.978	1464.072	1464.072	1464.072	1446.807	1453.713
30.0	1526.226	1515.867	1502.055	1495.149	1515.867	1533.132	1515.867	1533.132
32.5	1553.850	1564.209	1550.397	1553.850	1553.850	1571.115	1578.021	1602.192
35.0	1602.192	1605.645	1598.739	1619.457	1629.816	1653.987	1667.799	1674.705
37.5	1657.440	1657.440	1674.705	1688.517	1691.971	1723.048	1743.766	1747.219
40.0	1729.954	1723.048	1757.578	1778.296	1792.108	1816.279	1843.903	1840.450
42.5	1812.826	1805.920	1836.997	1861.168	1885.339	1923.322	1947.493	1947.493
45.0	1912.963	1906.057	1930.228	1968.211	1975.117	1999.288	2030.365	2040.724
47.5	2020.006	2006.194	2030.365	2057.989	2068.348	2082.160	2113.237	2120.143
50.0	2123.596	2106.331	2116.690	2140.861	2151.220	2161.579	2171.938	2175.391
52.5	2199.562	2178.844	2168.485	2175.391	2178.844	2175.391	2171.938	2171.938
55.0	2216.827	2182.297	2158.126	2151.220	2144.314	2133.955	2116.690	2113.237
57.5	2189.203	2161.579	2120.143	2092.519	2071.801	2051.083	2030.365	2030.365
60.0	2147.767	2099.425	2057.989	2023.459	1978.570	1947.493	1906.057	1916.416
62.5	2078.707	2016.553	1957.852	1906.057	1840.450	1792.108	1740.313	1740.313
65.0	1944.040	1857.715	1764.484	1671.252	1529.679	1436.448	1308.687	1305.234
67.5	1691.971	1515.867	1253.439	946.122	583.557	414.360	207.180	207.180
70.0	1094.601	611.181	145.026	31.077	17.265	13.812	13.812	13.812
72.5	86.325	20.718	10.359	10.359	6.906	6.906	6.906	6.906
75.0	10.359	6.906	3.453	3.453	3.453	3.453	3.453	3.453
77.5	3.453	3.453	3.453	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

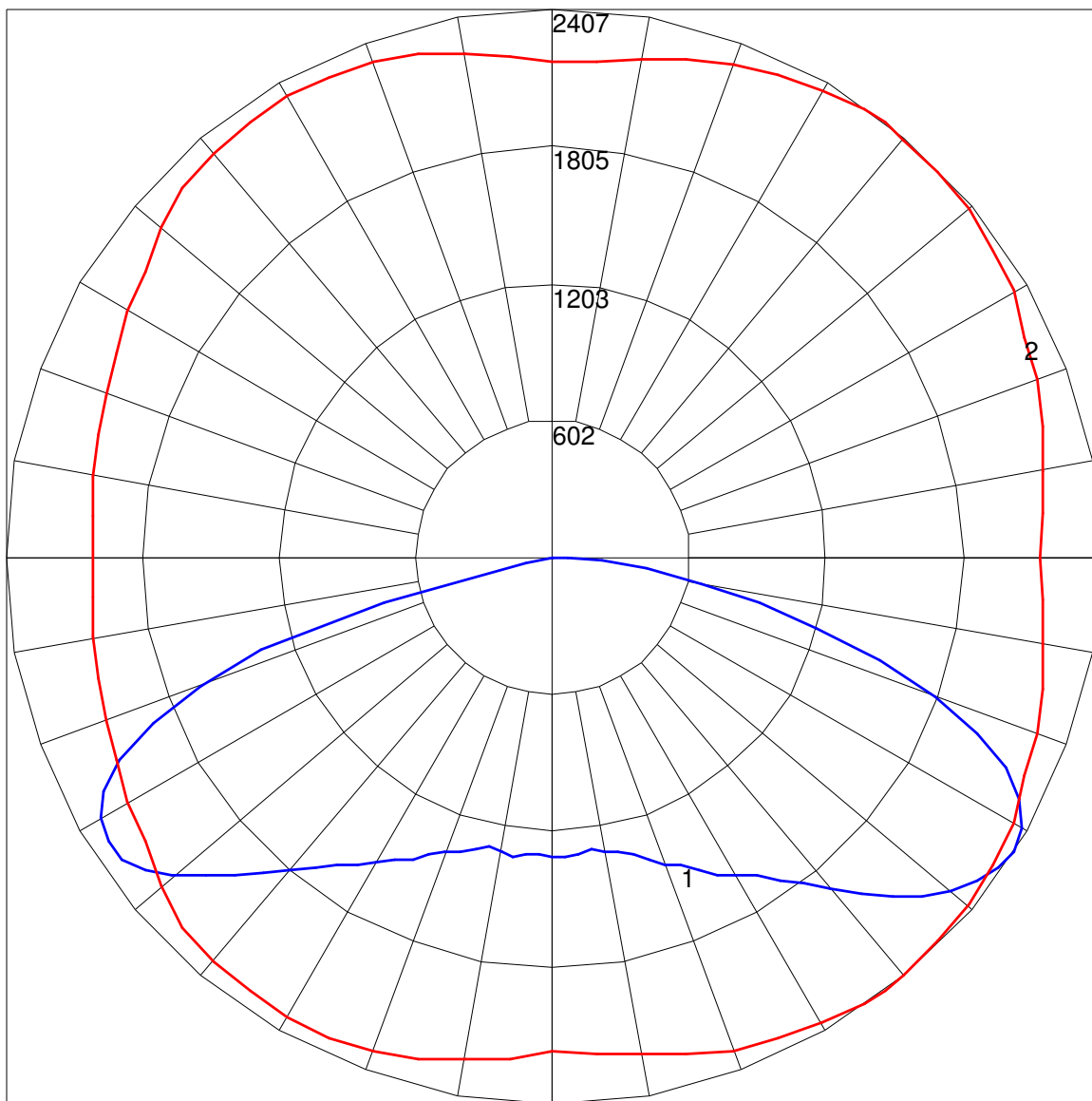
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

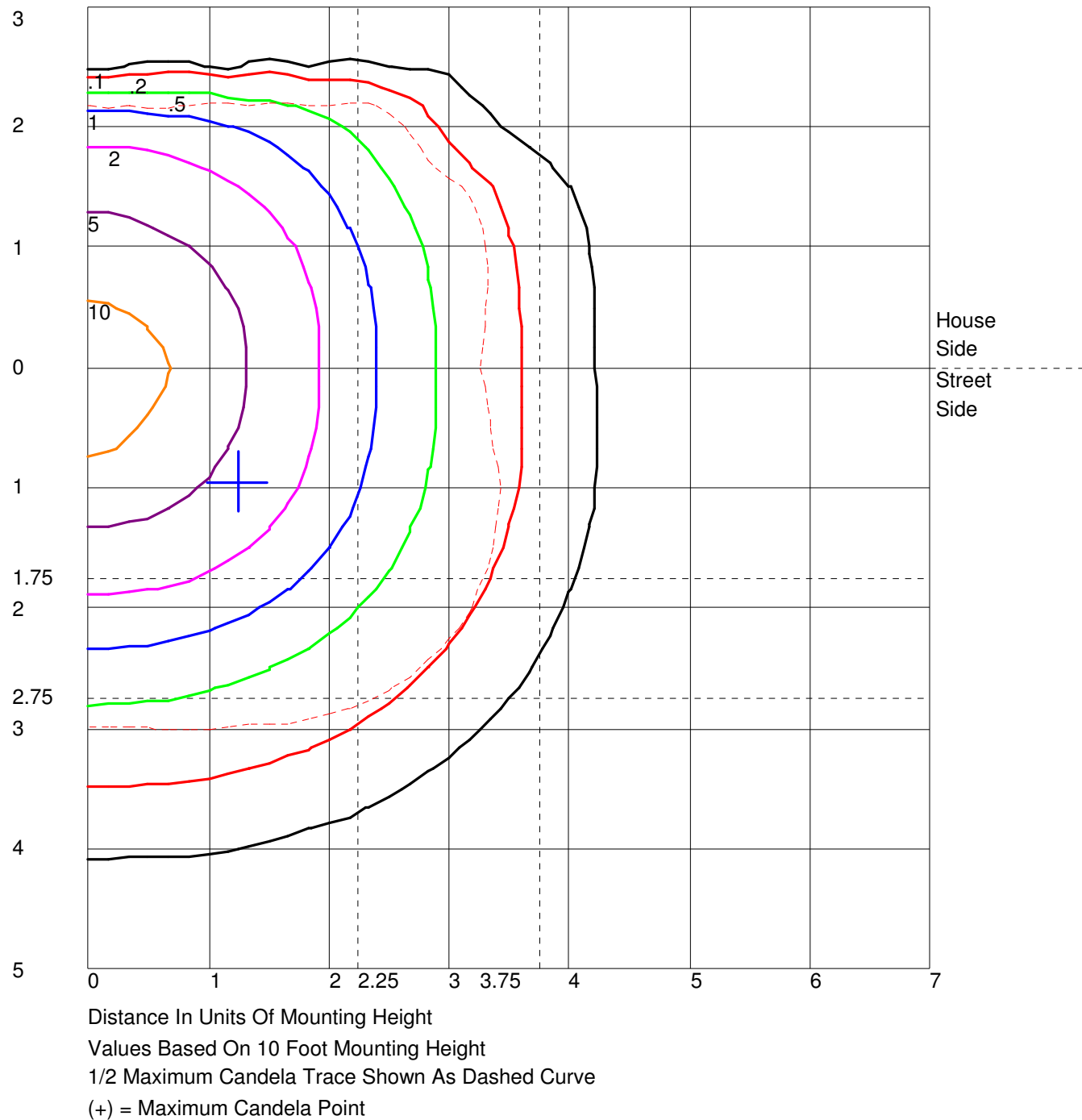
	Lumens	Percent Of Luminaire
Downward Street Side	4701.6	53.8
Downward House Side	4044.2	46.2
Downward Total	8745.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8745.8	100.0

POLAR GRAPH

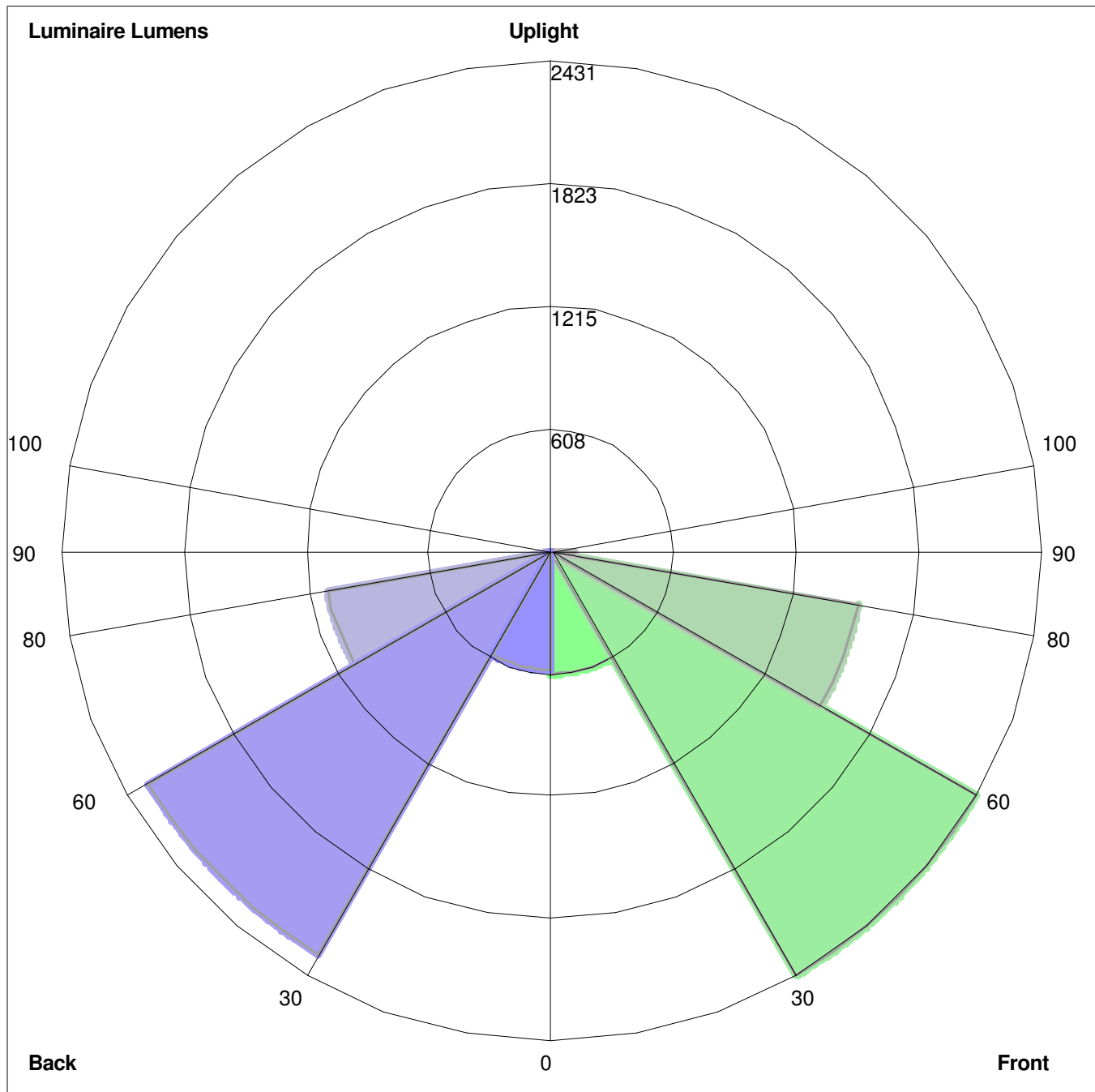


Maximum Candela = 2406.742 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=608.7, Medium=2430.7, High= 1544.0, Very High=118.1
Back: Low=589.6, Medium=2303.6, High=1126.5, Very High=24.5
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3