



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-740-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-L85-740-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	8491
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2336.642
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	2336.642
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	647.019 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L85-740-TFT-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	591.0	N.A.	7.0
FM - Front-Medium (30-60)	2359.9	N.A.	27.8
FH - Front-High (60-80)	1499.1	N.A.	17.7
FVH - Front-Very High (80-90)	114.7	N.A.	1.4
BL - Back-Low (0-30)	572.4	N.A.	6.7
BM - Back-Medium (30-60)	2236.5	N.A.	26.3
BH - Back-High (60-80)	1093.7	N.A.	12.9
BVH - Back-Very High (80-90)	23.8	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	8491.1	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	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627
2.5	1307.447	1304.094	1297.390	1290.685	1290.685	1290.685	1294.037	1287.332	1287.332	1283.980
5.0	1287.332	1283.980	1277.275	1270.570	1267.218	1267.218	1267.218	1263.865	1260.513	1263.865
7.5	1320.857	1314.152	1307.447	1297.390	1287.332	1283.980	1283.980	1277.275	1267.218	1263.865
10.0	1300.742	1294.037	1283.980	1270.570	1267.218	1273.923	1280.627	1283.980	1283.980	1287.332
12.5	1320.857	1310.799	1294.037	1287.332	1283.980	1294.037	1294.037	1290.685	1280.627	1283.980
15.0	1324.209	1317.504	1304.094	1307.447	1314.152	1324.209	1324.209	1324.209	1310.799	1307.447
17.5	1361.086	1354.381	1337.619	1340.971	1340.971	1347.676	1351.028	1354.381	1347.676	1354.381
20.0	1394.610	1381.200	1367.791	1371.143	1377.848	1381.200	1397.962	1397.962	1397.962	1401.315
22.5	1444.896	1434.839	1424.782	1424.782	1411.372	1421.429	1424.782	1441.544	1448.249	1444.896
25.0	1495.183	1485.126	1481.773	1478.421	1465.011	1471.716	1468.363	1478.421	1485.126	1491.830
27.5	1575.641	1568.936	1555.527	1542.117	1525.355	1518.650	1511.945	1535.412	1542.117	1528.707
30.0	1642.690	1635.985	1629.280	1615.870	1605.813	1582.346	1575.641	1585.698	1578.994	1582.346
32.5	1723.148	1726.500	1723.148	1703.033	1672.862	1656.099	1639.337	1642.690	1632.632	1625.928
35.0	1823.721	1823.721	1817.016	1796.901	1756.672	1739.910	1723.148	1706.386	1706.386	1692.976
37.5	1927.646	1914.236	1900.827	1887.417	1850.540	1827.073	1796.901	1796.901	1770.082	1766.730
40.0	2021.514	2014.809	1994.695	1991.342	1941.056	1924.294	1900.827	1884.065	1857.245	1853.893
42.5	2085.210	2088.563	2071.800	2085.210	2048.333	2038.276	2008.104	1981.285	1961.170	1937.703
45.0	2155.611	2165.668	2148.906	2165.668	2145.554	2148.906	2118.734	2088.563	2055.038	2051.686
47.5	2222.660	2232.717	2229.365	2236.069	2222.660	2226.012	2192.488	2182.431	2148.906	2152.259
50.0	2239.422	2256.184	2262.889	2259.536	2266.241	2266.241	2262.889	2242.774	2242.774	2219.307
52.5	2209.250	2229.365	2236.069	2242.774	2283.003	2283.003	2289.708	2276.299	2279.651	2279.651
55.0	2165.668	2182.431	2189.135	2212.602	2269.594	2269.594	2286.356	2299.766	2309.823	2319.880
57.5	2081.858	2098.620	2125.439	2172.373	2209.250	2222.660	2272.946	2289.708	2316.528	2319.880
60.0	1991.342	2004.752	2031.571	2081.858	2115.382	2165.668	2215.955	2256.184	2283.003	2296.413
62.5	1853.893	1884.065	1907.532	1954.466	2014.809	2065.096	2112.030	2158.964	2215.955	2229.365
65.0	1706.386	1729.853	1756.672	1810.311	1863.950	1917.589	1967.875	2018.162	2088.563	2115.382
67.5	1535.412	1542.117	1575.641	1622.575	1662.804	1713.091	1766.730	1827.073	1904.179	1934.351
70.0	1317.504	1317.504	1347.676	1391.258	1421.429	1471.716	1528.707	1589.051	1656.099	1703.033
72.5	1072.777	1072.777	1099.596	1143.178	1173.350	1216.931	1287.332	1320.857	1387.905	1431.487
75.0	831.402	831.402	861.574	905.156	935.327	968.852	1035.900	1076.129	1123.063	1153.235
77.5	613.494	613.494	640.314	680.543	707.362	737.534	791.173	824.697	854.869	885.041
80.0	422.406	419.053	442.520	472.692	492.807	522.979	566.560	583.322	603.437	626.904
82.5	258.137	254.785	274.899	288.309	311.776	325.186	355.357	365.415	378.824	392.234
85.0	124.040	120.687	134.097	137.450	154.212	157.564	177.679	187.736	187.736	194.441
87.5	33.524	33.524	36.877	36.877	43.582	40.229	50.286	53.639	53.639	56.991
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	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627
2.5	1283.980	1283.980	1287.332	1290.685	1290.685	1287.332	1283.980	1280.627	1280.627	1277.275
5.0	1267.218	1270.570	1273.923	1280.627	1287.332	1287.332	1287.332	1283.980	1277.275	1270.570
7.5	1263.865	1263.865	1263.865	1267.218	1277.275	1283.980	1287.332	1287.332	1283.980	1277.275
10.0	1283.980	1277.275	1273.923	1263.865	1260.513	1267.218	1277.275	1280.627	1277.275	1267.218
12.5	1294.037	1294.037	1294.037	1280.627	1267.218	1270.570	1273.923	1287.332	1287.332	1280.627
15.0	1307.447	1310.799	1314.152	1327.561	1317.504	1310.799	1300.742	1310.799	1307.447	1294.037
17.5	1357.733	1351.028	1347.676	1344.324	1344.324	1330.914	1320.857	1324.209	1324.209	1314.152
20.0	1397.962	1394.610	1387.905	1371.143	1361.086	1361.086	1347.676	1347.676	1357.733	1351.028
22.5	1434.839	1424.782	1424.782	1421.429	1408.020	1408.020	1391.258	1384.553	1394.610	1391.258
25.0	1481.773	1478.421	1471.716	1471.716	1454.954	1448.249	1441.544	1431.487	1441.544	1444.896
27.5	1532.060	1528.707	1522.002	1508.593	1505.240	1498.535	1495.183	1501.888	1505.240	1505.240

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CANDELA TABULATION - (Cont.)

30.0	1578.994	1572.289	1562.231	1562.231	1555.527	1562.231	1562.231	1578.994	1582.346	1582.346
32.5	1615.870	1612.518	1612.518	1625.928	1632.632	1619.223	1629.280	1642.690	1642.690	1649.395
35.0	1689.624	1686.271	1679.566	1692.976	1689.624	1703.033	1716.443	1726.500	1726.500	1749.967
37.5	1760.025	1760.025	1760.025	1770.082	1770.082	1796.901	1810.311	1806.959	1817.016	1827.073
40.0	1847.188	1850.540	1853.893	1860.598	1860.598	1887.417	1904.179	1907.532	1924.294	1927.646
42.5	1954.466	1957.818	1954.466	1961.170	1964.523	1998.047	2001.399	2008.104	2008.104	2011.457
45.0	2048.333	2051.686	2048.333	2051.686	2068.448	2091.915	2091.915	2085.210	2085.210	2081.858
47.5	2142.201	2138.849	2135.497	2145.554	2148.906	2158.964	2152.259	2148.906	2135.497	2138.849
50.0	2222.660	2219.307	2219.307	2222.660	2219.307	2229.365	2215.955	2192.488	2175.726	2179.078
52.5	2276.299	2279.651	2279.651	2266.241	2262.889	2256.184	2232.717	2215.955	2189.135	2182.431
55.0	2313.175	2323.233	2319.880	2299.766	2279.651	2262.889	2226.012	2209.250	2175.726	2165.668
57.5	2329.937	2336.642	2329.937	2296.413	2269.594	2242.774	2199.193	2158.964	2128.792	2112.030
60.0	2309.823	2309.823	2306.470	2256.184	2232.717	2195.840	2138.849	2098.620	2041.629	2031.571
62.5	2256.184	2252.832	2242.774	2212.602	2158.964	2125.439	2061.743	2008.104	1954.466	1941.056
65.0	2142.201	2142.201	2135.497	2115.382	2048.333	2011.457	1957.818	1894.122	1843.835	1813.664
67.5	1957.818	1964.523	1967.875	1937.703	1894.122	1847.188	1793.549	1733.205	1696.329	1659.452
70.0	1726.500	1733.205	1736.558	1713.091	1676.214	1649.395	1589.051	1535.412	1495.183	1454.954
72.5	1461.659	1465.011	1465.011	1448.249	1418.077	1394.610	1347.676	1294.037	1250.456	1213.579
75.0	1173.350	1173.350	1186.759	1166.645	1153.235	1116.359	1089.539	1019.138	975.557	942.032
77.5	891.746	908.508	908.508	885.041	871.631	844.812	814.640	754.296	717.420	704.010
80.0	630.256	647.019	630.256	623.552	613.494	586.675	566.560	522.979	496.159	489.454
82.5	395.586	408.996	398.939	392.234	395.586	368.767	358.710	328.538	315.128	311.776
85.0	197.793	207.851	211.203	197.793	204.498	187.736	187.736	170.974	164.269	164.269
87.5	56.991	63.696	67.049	60.344	67.049	60.344	63.696	56.991	60.344	60.344
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	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627
2.5	1273.923	1270.570	1270.570	1270.570	1270.570	1270.570	1270.570	1270.570	1267.218	1267.218
5.0	1267.218	1260.513	1260.513	1260.513	1260.513	1267.218	1277.275	1280.627	1287.332	1290.685
7.5	1273.923	1267.218	1267.218	1270.570	1277.275	1287.332	1294.037	1287.332	1280.627	1277.275
10.0	1260.513	1260.513	1270.570	1280.627	1287.332	1283.980	1280.627	1270.570	1263.865	1263.865
12.5	1270.570	1277.275	1283.980	1283.980	1273.923	1267.218	1267.218	1263.865	1277.275	1283.980
15.0	1283.980	1294.037	1300.742	1294.037	1287.332	1280.627	1287.332	1290.685	1290.685	1283.980
17.5	1297.390	1300.742	1307.447	1300.742	1300.742	1314.152	1324.209	1324.209	1320.857	1317.504
20.0	1344.324	1334.266	1334.266	1330.914	1340.971	1337.619	1344.324	1347.676	1357.733	1354.381
22.5	1391.258	1384.553	1371.143	1367.791	1371.143	1371.143	1381.200	1381.200	1381.200	1377.848
25.0	1444.896	1434.839	1418.077	1411.372	1418.077	1418.077	1424.782	1418.077	1418.077	1408.020
27.5	1495.183	1485.126	1478.421	1475.068	1461.659	1468.363	1458.306	1454.954	1458.306	1448.249
30.0	1572.289	1562.231	1558.879	1535.412	1511.945	1511.945	1505.240	1498.535	1495.183	1478.421
32.5	1646.042	1639.337	1632.632	1612.518	1585.698	1565.584	1558.879	1548.822	1545.469	1522.002
35.0	1746.615	1729.853	1716.443	1692.976	1662.804	1632.632	1612.518	1599.108	1589.051	1565.584
37.5	1827.073	1817.016	1800.254	1783.492	1736.558	1703.033	1679.566	1656.099	1639.337	1619.223
40.0	1927.646	1924.294	1904.179	1867.302	1827.073	1796.901	1763.377	1726.500	1696.329	1686.271
42.5	2021.514	2018.162	1998.047	1981.285	1934.351	1890.769	1843.835	1820.368	1783.492	1773.434
45.0	2091.915	2088.563	2085.210	2061.743	2018.162	1987.990	1944.408	1914.236	1867.302	1867.302
47.5	2138.849	2138.849	2152.259	2135.497	2095.267	2065.096	2034.924	2004.752	1984.637	1964.523
50.0	2192.488	2185.783	2192.488	2195.840	2182.431	2142.201	2128.792	2115.382	2075.153	2065.096
52.5	2209.250	2209.250	2232.717	2252.832	2239.422	2219.307	2199.193	2192.488	2169.021	2145.554
55.0	2189.135	2215.955	2252.832	2266.241	2272.946	2269.594	2252.832	2242.774	2215.955	2192.488
57.5	2148.906	2182.431	2226.012	2252.832	2262.889	2276.299	2262.889	2252.832	2236.069	2192.488
60.0	2075.153	2105.325	2162.316	2205.898	2215.955	2239.422	2239.422	2219.307	2192.488	2152.259
62.5	1967.875	2014.809	2068.448	2108.677	2152.259	2155.611	2175.726	2155.611	2125.439	2088.563
65.0	1840.483	1890.769	1941.056	1977.932	2018.162	2038.276	2055.038	2038.276	1998.047	1961.170

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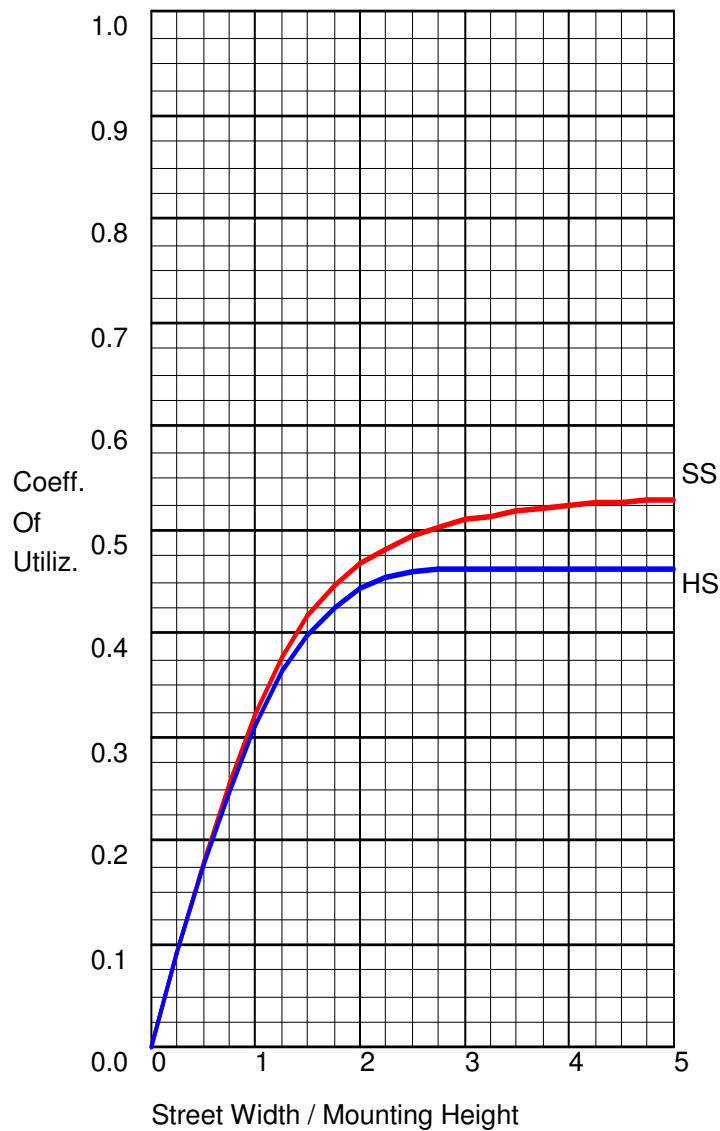
CANDELA TABULATION - (Cont.)

67.5	1682.919	1726.500	1770.082	1803.606	1843.835	1850.540	1857.245	1840.483	1800.254	1743.263
70.0	1478.421	1508.593	1562.231	1589.051	1629.280	1605.813	1615.870	1599.108	1535.412	1397.962
72.5	1237.046	1270.570	1307.447	1324.209	1354.381	1317.504	1310.799	1307.447	1133.121	583.322
75.0	958.794	995.671	1029.195	1052.662	1042.605	834.755	774.411	730.829	184.384	16.762
77.5	707.362	734.182	764.354	761.001	576.618	358.710	221.260	20.115	6.705	3.352
80.0	496.159	512.921	529.684	382.177	73.753	20.115	6.705	3.352	3.352	0.000
82.5	315.128	325.186	325.186	144.154	10.057	3.352	3.352	3.352	0.000	0.000
85.0	167.621	167.621	130.745	20.115	3.352	0.000	0.000	0.000	0.000	0.000
87.5	60.344	53.639	10.057	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	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627	1280.627
2.5	1267.218	1273.923	1277.275	1283.980	1280.627	1277.275	1273.923	1270.570
5.0	1294.037	1297.390	1300.742	1304.094	1300.742	1294.037	1283.980	1283.980
7.5	1273.923	1273.923	1280.627	1280.627	1273.923	1263.865	1257.160	1250.456
10.0	1263.865	1267.218	1277.275	1283.980	1283.980	1273.923	1263.865	1257.160
12.5	1287.332	1283.980	1280.627	1280.627	1283.980	1273.923	1260.513	1253.808
15.0	1290.685	1294.037	1294.037	1294.037	1290.685	1283.980	1273.923	1267.218
17.5	1320.857	1317.504	1310.799	1304.094	1294.037	1294.037	1290.685	1283.980
20.0	1347.676	1337.619	1320.857	1324.209	1314.152	1314.152	1304.094	1300.742
22.5	1374.495	1357.733	1351.028	1354.381	1347.676	1347.676	1337.619	1337.619
25.0	1408.020	1397.962	1384.553	1374.495	1381.200	1387.905	1374.495	1377.848
27.5	1441.544	1428.134	1428.134	1421.429	1421.429	1421.429	1404.667	1411.372
30.0	1481.773	1471.716	1458.306	1451.601	1471.716	1488.478	1471.716	1488.478
32.5	1508.593	1518.650	1505.240	1508.593	1508.593	1525.355	1532.060	1555.527
35.0	1555.527	1558.879	1552.174	1572.289	1582.346	1605.813	1619.223	1625.928
37.5	1609.165	1609.165	1625.928	1639.337	1642.690	1672.862	1692.976	1696.329
40.0	1679.566	1672.862	1706.386	1726.500	1739.910	1763.377	1790.197	1786.844
42.5	1760.025	1753.320	1783.492	1806.959	1830.426	1867.302	1890.769	1890.769
45.0	1857.245	1850.540	1874.007	1910.884	1917.589	1941.056	1971.228	1981.285
47.5	1961.170	1947.761	1971.228	1998.047	2008.104	2021.514	2051.686	2058.391
50.0	2061.743	2044.981	2055.038	2078.505	2088.563	2098.620	2108.677	2112.030
52.5	2135.497	2115.382	2105.325	2112.030	2115.382	2112.030	2108.677	2108.677
55.0	2152.259	2118.734	2095.267	2088.563	2081.858	2071.800	2055.038	2051.686
57.5	2125.439	2098.620	2058.391	2031.571	2011.457	1991.342	1971.228	1971.228
60.0	2085.210	2038.276	1998.047	1964.523	1920.941	1890.769	1850.540	1860.598
62.5	2018.162	1957.818	1900.827	1850.540	1786.844	1739.910	1689.624	1689.624
65.0	1887.417	1803.606	1713.091	1622.575	1485.126	1394.610	1270.570	1267.218
67.5	1642.690	1471.716	1216.931	918.565	566.560	402.291	201.146	201.146
70.0	1062.720	593.380	140.802	30.172	16.762	13.410	13.410	13.410
72.5	83.811	20.115	10.057	10.057	6.705	6.705	6.705	6.705
75.0	10.057	6.705	3.352	3.352	3.352	3.352	3.352	3.352
77.5	3.352	3.352	3.352	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

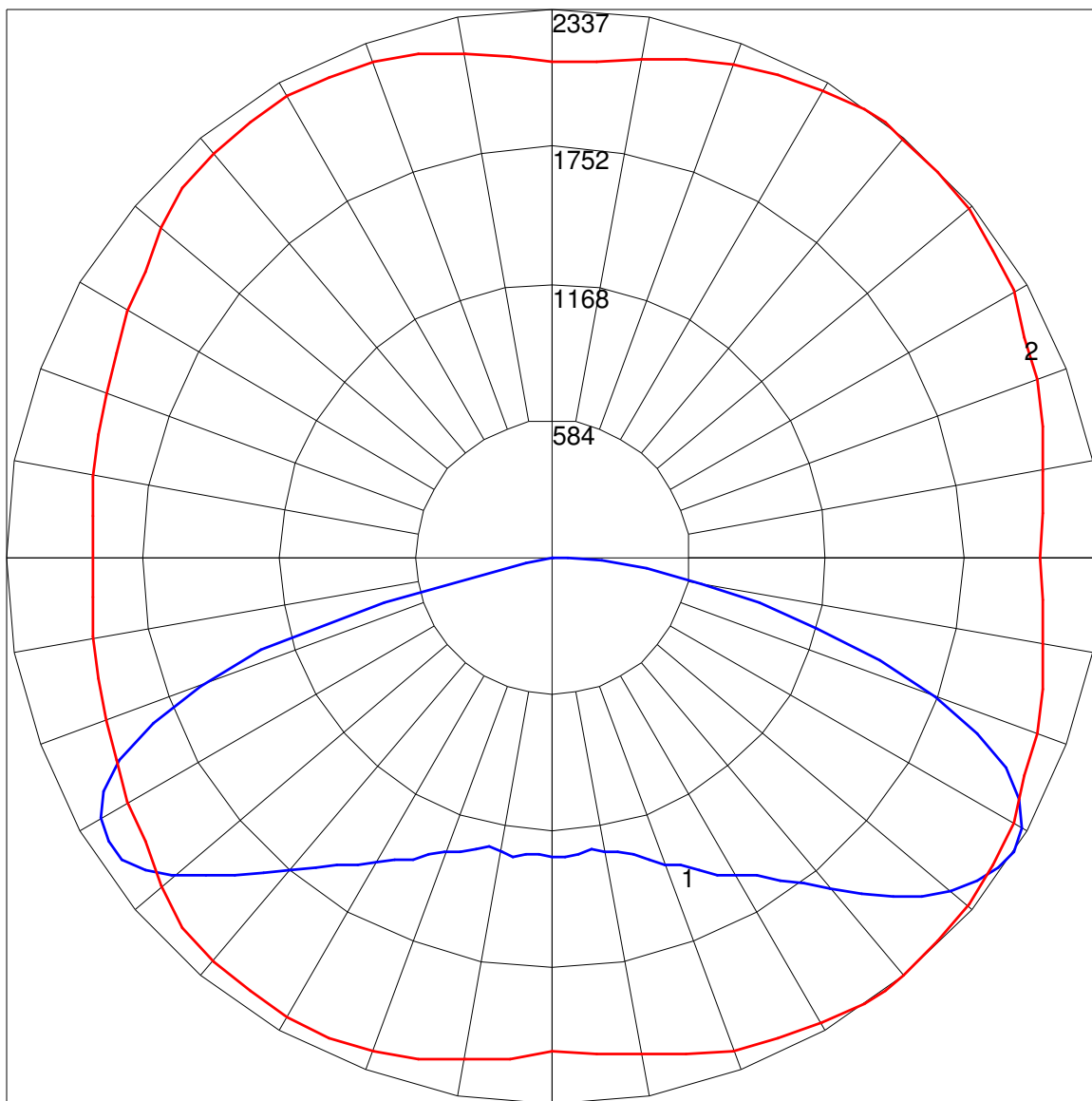
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

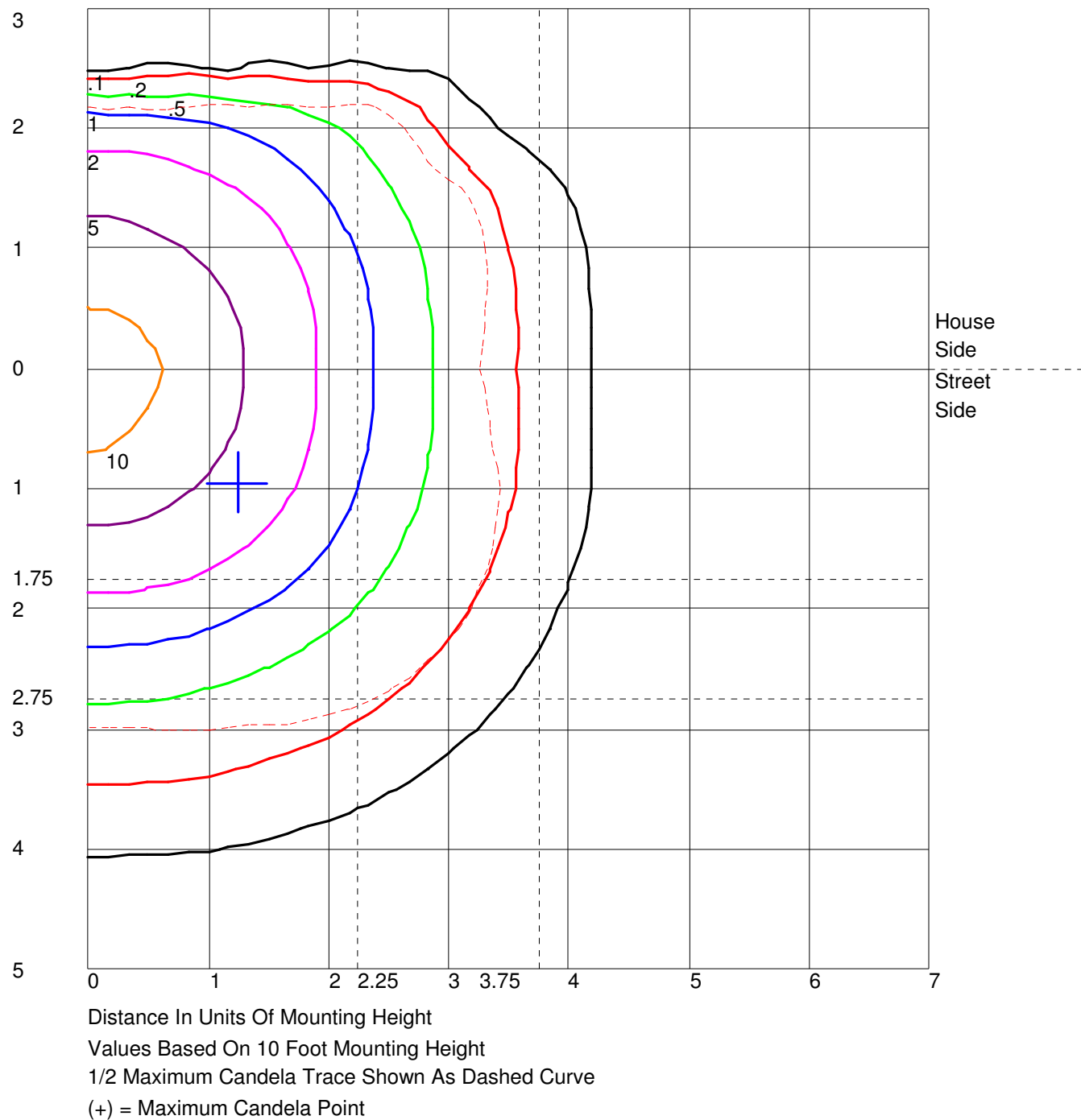
	Lumens	Percent Of Luminaire
Downward Street Side	4564.7	53.8
Downward House Side	3926.4	46.2
Downward Total	8491.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8491.1	100.0

POLAR GRAPH

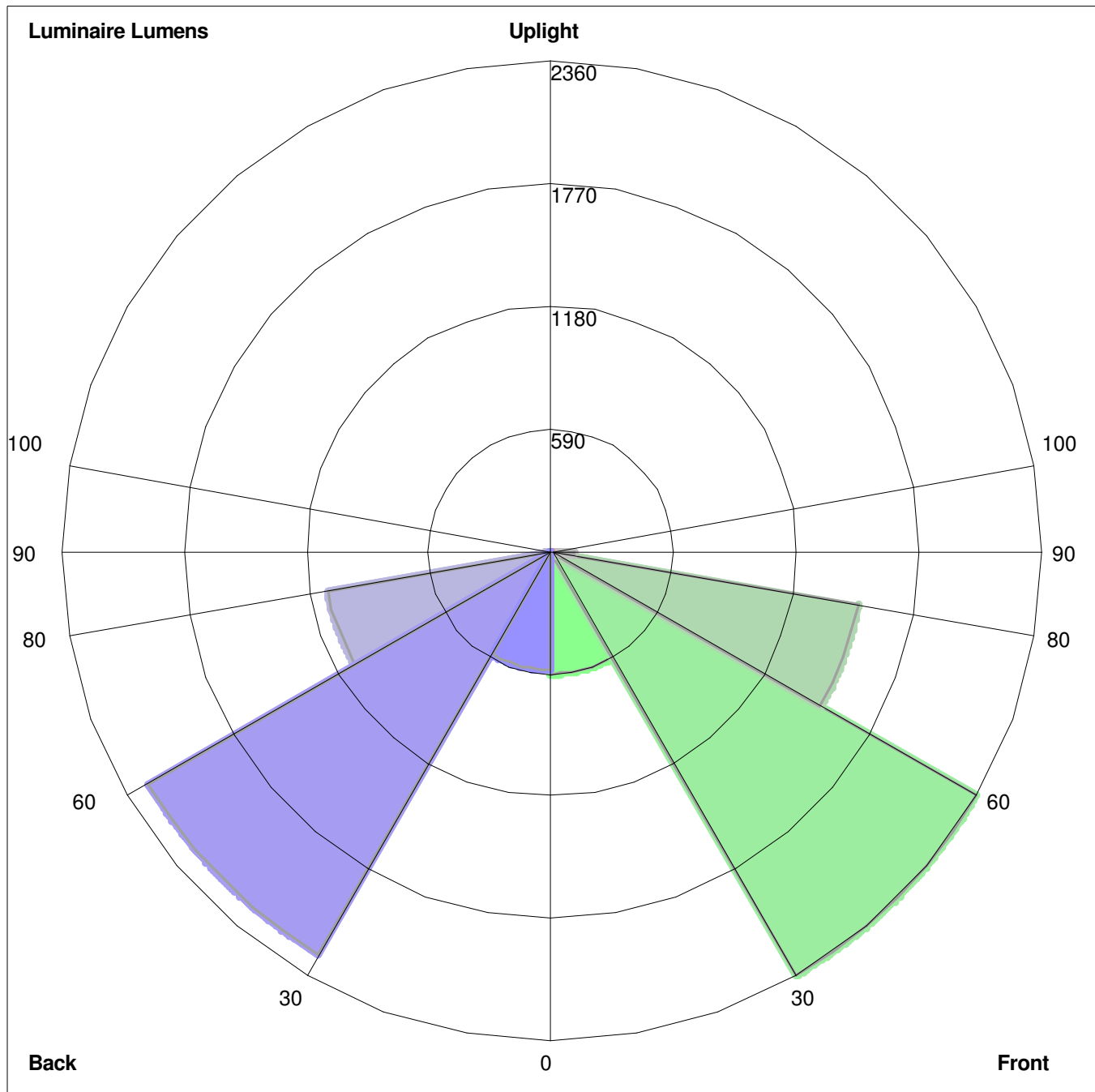


Maximum Candela = 2336.642 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=591.0, Medium=2359.9, High=1499.1, Very High=114.7
Back: Low=572.4, Medium=2236.5, High=1093.7, Very High=23.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3