



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L85-730-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-L85-730-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	8066
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	72
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2219.811
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	2219.811
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	614.668 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	561.4	N.A.	7.0
FM - Front-Medium (30-60)	2241.9	N.A.	27.8
FH - Front-High (60-80)	1424.1	N.A.	17.7
FVH - Front-Very High (80-90)	109.0	N.A.	1.4
BL - Back-Low (0-30)	543.8	N.A.	6.7
BM - Back-Medium (30-60)	2124.6	N.A.	26.3
BH - Back-High (60-80)	1039.0	N.A.	12.9
BVH - Back-Very High (80-90)	22.6	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	8066.4	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	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596
2.5	1242.075	1238.890	1232.520	1226.151	1226.151	1226.151	1229.336	1222.966	1222.966	1219.781
5.0	1222.966	1219.781	1213.411	1207.042	1203.857	1203.857	1203.857	1200.672	1197.487	1200.672
7.5	1254.814	1248.444	1242.075	1232.520	1222.966	1219.781	1219.781	1213.411	1203.857	1200.672
10.0	1235.705	1229.336	1219.781	1207.042	1203.857	1210.227	1216.596	1219.781	1219.781	1222.966
12.5	1254.814	1245.260	1229.336	1222.966	1219.781	1229.336	1229.336	1226.151	1216.596	1219.781
15.0	1257.999	1251.629	1238.890	1242.075	1248.444	1257.999	1257.999	1257.999	1245.260	1242.075
17.5	1293.032	1286.662	1270.738	1273.923	1273.923	1280.292	1283.477	1286.662	1280.292	1286.662
20.0	1324.880	1312.141	1299.401	1302.586	1308.956	1312.141	1328.065	1328.065	1328.065	1331.249
22.5	1372.652	1363.097	1353.543	1353.543	1340.804	1350.358	1353.543	1369.467	1375.837	1372.652
25.0	1420.424	1410.870	1407.685	1404.500	1391.761	1398.130	1394.945	1404.500	1410.870	1417.239
27.5	1496.859	1490.490	1477.750	1465.011	1449.087	1442.718	1436.348	1458.642	1465.011	1452.272
30.0	1560.555	1554.186	1547.816	1535.077	1525.523	1503.229	1496.859	1506.414	1500.044	1503.229
32.5	1636.991	1640.176	1636.991	1617.882	1589.219	1573.295	1557.371	1560.555	1551.001	1544.631
35.0	1732.535	1732.535	1726.165	1707.057	1668.839	1652.915	1636.991	1621.067	1621.067	1608.328
37.5	1831.264	1818.525	1805.786	1793.046	1758.013	1735.720	1707.057	1707.057	1681.578	1678.393
40.0	1920.439	1914.069	1894.960	1891.775	1844.003	1828.079	1805.786	1789.862	1764.383	1761.198
42.5	1980.950	1984.135	1968.211	1980.950	1945.917	1936.363	1907.699	1882.221	1863.112	1840.818
45.0	2047.831	2057.385	2041.461	2057.385	2038.277	2041.461	2012.798	1984.135	1952.287	1949.102
47.5	2111.527	2121.082	2117.897	2124.266	2111.527	2114.712	2082.864	2073.309	2041.461	2044.646
50.0	2127.451	2143.375	2149.745	2146.560	2152.930	2152.930	2149.745	2130.636	2130.636	2108.342
52.5	2098.788	2117.897	2124.266	2130.636	2168.854	2168.854	2175.223	2162.484	2165.669	2165.669
55.0	2057.385	2073.309	2079.679	2101.973	2156.114	2156.114	2172.038	2184.778	2194.332	2203.886
57.5	1977.765	1993.689	2019.168	2063.755	2098.788	2111.527	2159.299	2175.223	2200.702	2203.886
60.0	1891.775	1904.515	1929.993	1977.765	2009.613	2057.385	2105.157	2143.375	2168.854	2181.593
62.5	1761.198	1789.862	1812.155	1856.743	1914.069	1961.841	2006.428	2051.016	2105.157	2117.897
65.0	1621.067	1643.360	1668.839	1719.796	1770.753	1821.710	1869.482	1917.254	1984.135	2009.613
67.5	1458.642	1465.011	1496.859	1541.447	1579.664	1627.436	1678.393	1735.720	1808.970	1837.634
70.0	1251.629	1251.629	1280.292	1321.695	1350.358	1398.130	1452.272	1509.599	1573.295	1617.882
72.5	1019.138	1019.138	1044.617	1086.019	1114.682	1156.085	1222.966	1254.814	1318.510	1359.913
75.0	789.832	789.832	818.495	859.898	888.561	920.409	984.105	1022.323	1066.910	1095.574
77.5	582.820	582.820	608.298	646.516	671.994	700.658	751.614	783.463	812.126	840.789
80.0	401.286	398.101	420.395	449.058	468.167	496.830	538.232	554.156	573.265	595.559
82.5	245.230	242.045	261.154	273.893	296.187	308.926	337.590	347.144	359.883	372.622
85.0	117.838	114.653	127.392	130.577	146.501	149.686	168.795	178.349	178.349	184.719
87.5	31.848	31.848	35.033	35.033	41.402	38.218	47.772	50.957	50.957	54.142
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	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596
2.5	1219.781	1219.781	1222.966	1226.151	1226.151	1222.966	1219.781	1216.596	1216.596	1213.411
5.0	1203.857	1207.042	1210.227	1216.596	1222.966	1222.966	1222.966	1219.781	1213.411	1207.042
7.5	1200.672	1200.672	1200.672	1203.857	1213.411	1219.781	1222.966	1222.966	1219.781	1213.411
10.0	1219.781	1213.411	1210.227	1200.672	1197.487	1203.857	1213.411	1216.596	1213.411	1203.857
12.5	1229.336	1229.336	1229.336	1216.596	1203.857	1207.042	1210.227	1222.966	1222.966	1216.596
15.0	1242.075	1245.260	1248.444	1261.184	1251.629	1245.260	1235.705	1245.260	1242.075	1229.336
17.5	1289.847	1283.477	1280.292	1277.108	1277.108	1264.368	1254.814	1257.999	1257.999	1248.444
20.0	1328.065	1324.880	1318.510	1302.586	1293.032	1293.032	1280.292	1280.292	1289.847	1283.477
22.5	1363.097	1353.543	1353.543	1350.358	1337.619	1337.619	1321.695	1315.325	1324.880	1321.695
25.0	1407.685	1404.500	1398.130	1398.130	1382.206	1375.837	1369.467	1359.913	1369.467	1372.652
27.5	1455.457	1452.272	1445.902	1433.163	1429.978	1423.609	1420.424	1426.794	1429.978	1429.978

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CANDELA TABULATION - (Cont.)

30.0	1500.044	1493.675	1484.120	1484.120	1477.750	1484.120	1484.120	1500.044	1503.229	1503.229
32.5	1535.077	1531.892	1531.892	1544.631	1551.001	1538.262	1547.816	1560.555	1560.555	1566.925
35.0	1605.143	1601.958	1595.588	1608.328	1605.143	1617.882	1630.621	1640.176	1640.176	1662.469
37.5	1672.024	1672.024	1672.024	1681.578	1681.578	1707.057	1719.796	1716.611	1726.165	1735.720
40.0	1754.829	1758.013	1761.198	1767.568	1767.568	1793.046	1808.970	1812.155	1828.079	1831.264
42.5	1856.743	1859.927	1856.743	1863.112	1866.297	1898.145	1901.330	1907.699	1907.699	1910.884
45.0	1945.917	1949.102	1945.917	1949.102	1965.026	1987.320	1987.320	1980.950	1980.950	1977.765
47.5	2035.092	2031.907	2028.722	2038.277	2041.461	2051.016	2044.646	2041.461	2028.722	2031.907
50.0	2111.527	2108.342	2108.342	2111.527	2108.342	2117.897	2105.157	2082.864	2066.940	2070.125
52.5	2162.484	2165.669	2165.669	2152.930	2149.745	2143.375	2121.082	2105.157	2079.679	2073.309
55.0	2197.517	2207.071	2203.886	2184.778	2165.669	2149.745	2114.712	2098.788	2066.940	2057.385
57.5	2213.441	2219.811	2213.441	2181.593	2156.114	2130.636	2089.233	2051.016	2022.352	2006.428
60.0	2194.332	2194.332	2191.147	2143.375	2121.082	2086.049	2031.907	1993.689	1939.548	1929.993
62.5	2143.375	2140.190	2130.636	2101.973	2051.016	2019.168	1958.656	1907.699	1856.743	1844.003
65.0	2035.092	2035.092	2028.722	2009.613	1945.917	1910.884	1859.927	1799.416	1751.644	1722.981
67.5	1859.927	1866.297	1869.482	1840.818	1799.416	1754.829	1703.872	1646.545	1611.512	1576.479
70.0	1640.176	1646.545	1649.730	1627.436	1592.404	1566.925	1509.599	1458.642	1420.424	1382.206
72.5	1388.576	1391.761	1391.761	1375.837	1347.173	1324.880	1280.292	1229.336	1187.933	1152.900
75.0	1114.682	1114.682	1127.422	1108.313	1095.574	1060.541	1035.062	968.181	926.779	894.931
77.5	847.159	863.083	863.083	840.789	828.050	802.571	773.908	716.582	681.549	668.809
80.0	598.744	614.668	598.744	592.374	582.820	557.341	538.232	496.830	471.351	464.982
82.5	375.807	388.546	378.992	372.622	375.807	350.329	340.774	312.111	299.372	296.187
85.0	187.904	197.458	200.643	187.904	194.273	178.349	178.349	162.425	156.056	156.056
87.5	54.142	60.511	63.696	57.327	63.696	57.327	60.511	54.142	57.327	57.327
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	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596
2.5	1210.227	1207.042	1207.042	1207.042	1207.042	1207.042	1207.042	1207.042	1203.857	1203.857
5.0	1203.857	1197.487	1197.487	1197.487	1197.487	1203.857	1213.411	1216.596	1222.966	1226.151
7.5	1210.227	1203.857	1203.857	1207.042	1213.411	1222.966	1229.336	1222.966	1216.596	1213.411
10.0	1197.487	1197.487	1207.042	1216.596	1222.966	1219.781	1216.596	1207.042	1200.672	1200.672
12.5	1207.042	1213.411	1219.781	1219.781	1210.227	1203.857	1203.857	1200.672	1213.411	1219.781
15.0	1219.781	1229.336	1235.705	1229.336	1222.966	1216.596	1222.966	1226.151	1226.151	1219.781
17.5	1232.520	1235.705	1242.075	1235.705	1235.705	1248.444	1257.999	1257.999	1254.814	1251.629
20.0	1277.108	1267.553	1267.553	1264.368	1273.923	1270.738	1277.108	1280.292	1289.847	1286.662
22.5	1321.695	1315.325	1302.586	1299.401	1302.586	1302.586	1312.141	1312.141	1312.141	1308.956
25.0	1372.652	1363.097	1347.173	1340.804	1347.173	1347.173	1353.543	1347.173	1347.173	1337.619
27.5	1420.424	1410.870	1404.500	1401.315	1388.576	1394.945	1385.391	1382.206	1385.391	1375.837
30.0	1493.675	1484.120	1480.935	1458.642	1436.348	1436.348	1429.978	1423.609	1420.424	1404.500
32.5	1563.740	1557.371	1551.001	1531.892	1506.414	1487.305	1480.935	1471.381	1468.196	1445.902
35.0	1659.284	1643.360	1630.621	1608.328	1579.664	1551.001	1531.892	1519.153	1509.599	1487.305
37.5	1735.720	1726.165	1710.241	1694.317	1649.730	1617.882	1595.588	1573.295	1557.371	1538.262
40.0	1831.264	1828.079	1808.970	1773.938	1735.720	1707.057	1675.209	1640.176	1611.512	1601.958
42.5	1920.439	1917.254	1898.145	1882.221	1837.634	1796.231	1751.644	1729.350	1694.317	1684.763
45.0	1987.320	1984.135	1980.950	1958.656	1917.254	1888.591	1847.188	1818.525	1773.938	1773.938
47.5	2031.907	2031.907	2044.646	2028.722	1990.504	1961.841	1933.178	1904.515	1885.406	1866.297
50.0	2082.864	2076.494	2082.864	2086.049	2073.309	2035.092	2022.352	2009.613	1971.396	1961.841
52.5	2098.788	2098.788	2121.082	2140.190	2127.451	2108.342	2089.233	2082.864	2060.570	2038.277
55.0	2079.679	2105.157	2140.190	2152.930	2159.299	2156.114	2140.190	2130.636	2105.157	2082.864
57.5	2041.461	2073.309	2114.712	2140.190	2149.745	2162.484	2149.745	2140.190	2124.266	2082.864
60.0	1971.396	2000.059	2054.201	2095.603	2105.157	2127.451	2127.451	2108.342	2082.864	2044.646
62.5	1869.482	1914.069	1965.026	2003.244	2044.646	2047.831	2066.940	2047.831	2019.168	1984.135
65.0	1748.459	1796.231	1844.003	1879.036	1917.254	1936.363	1952.287	1936.363	1898.145	1863.112

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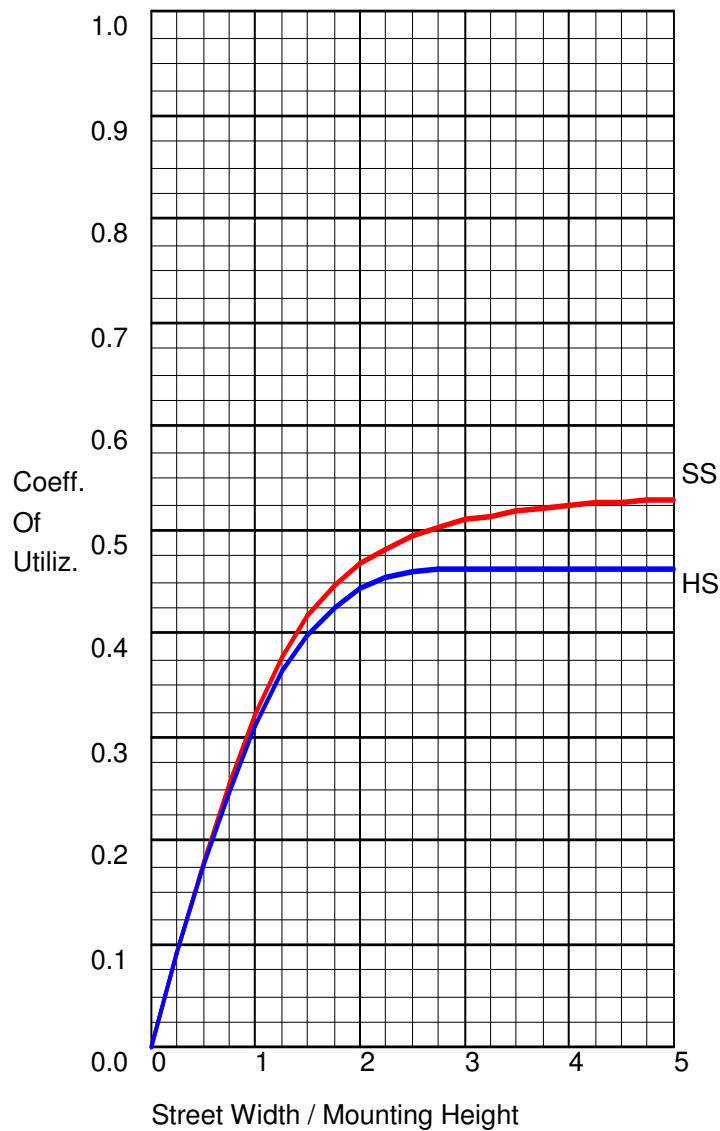
CANDELA TABULATION - (Cont.)

67.5	1598.773	1640.176	1681.578	1713.426	1751.644	1758.013	1764.383	1748.459	1710.241	1656.100
70.0	1404.500	1433.163	1484.120	1509.599	1547.816	1525.523	1535.077	1519.153	1458.642	1328.065
72.5	1175.194	1207.042	1242.075	1257.999	1286.662	1251.629	1245.260	1242.075	1076.465	554.156
75.0	910.855	945.888	977.736	1000.029	990.475	793.017	735.690	694.288	175.164	15.924
77.5	671.994	697.473	726.136	722.951	547.787	340.774	210.197	19.109	6.370	3.185
80.0	471.351	487.275	503.200	363.068	70.066	19.109	6.370	3.185	3.185	0.000
82.5	299.372	308.926	308.926	136.947	9.554	3.185	3.185	3.185	0.000	0.000
85.0	159.240	159.240	124.207	19.109	3.185	0.000	0.000	0.000	0.000	0.000
87.5	57.327	50.957	9.554	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	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596	1216.596
2.5	1203.857	1210.227	1213.411	1219.781	1216.596	1213.411	1210.227	1207.042
5.0	1229.336	1232.520	1235.705	1238.890	1235.705	1229.336	1219.781	1219.781
7.5	1210.227	1210.227	1216.596	1216.596	1210.227	1200.672	1194.303	1187.933
10.0	1200.672	1203.857	1213.411	1219.781	1219.781	1210.227	1200.672	1194.303
12.5	1222.966	1219.781	1216.596	1216.596	1219.781	1210.227	1197.487	1191.118
15.0	1226.151	1229.336	1229.336	1229.336	1226.151	1219.781	1210.227	1203.857
17.5	1254.814	1251.629	1245.260	1238.890	1229.336	1229.336	1226.151	1219.781
20.0	1280.292	1270.738	1254.814	1257.999	1248.444	1248.444	1238.890	1235.705
22.5	1305.771	1289.847	1283.477	1286.662	1280.292	1280.292	1270.738	1270.738
25.0	1337.619	1328.065	1315.325	1305.771	1312.141	1318.510	1305.771	1308.956
27.5	1369.467	1356.728	1356.728	1350.358	1350.358	1350.358	1334.434	1340.804
30.0	1407.685	1398.130	1385.391	1379.021	1398.130	1414.054	1398.130	1414.054
32.5	1433.163	1442.718	1429.978	1433.163	1433.163	1449.087	1455.457	1477.750
35.0	1477.750	1480.935	1474.566	1493.675	1503.229	1525.523	1538.262	1544.631
37.5	1528.707	1528.707	1544.631	1557.371	1560.555	1589.219	1608.328	1611.512
40.0	1595.588	1589.219	1621.067	1640.176	1652.915	1675.209	1700.687	1697.502
42.5	1672.024	1665.654	1694.317	1716.611	1738.905	1773.938	1796.231	1796.231
45.0	1764.383	1758.013	1780.307	1815.340	1821.710	1844.003	1872.667	1882.221
47.5	1863.112	1850.373	1872.667	1898.145	1907.699	1920.439	1949.102	1955.472
50.0	1958.656	1942.732	1952.287	1974.580	1984.135	1993.689	2003.244	2006.428
52.5	2028.722	2009.613	2000.059	2006.428	2009.613	2006.428	2003.244	2003.244
55.0	2044.646	2012.798	1990.504	1984.135	1977.765	1968.211	1952.287	1949.102
57.5	2019.168	1993.689	1955.472	1929.993	1910.884	1891.775	1872.667	1872.667
60.0	1980.950	1936.363	1898.145	1866.297	1824.894	1796.231	1758.013	1767.568
62.5	1917.254	1859.927	1805.786	1758.013	1697.502	1652.915	1605.143	1605.143
65.0	1793.046	1713.426	1627.436	1541.447	1410.870	1324.880	1207.042	1203.857
67.5	1560.555	1398.130	1156.085	872.637	538.232	382.177	191.088	191.088
70.0	1009.584	563.711	133.762	28.663	15.924	12.739	12.739	12.739
72.5	79.620	19.109	9.554	9.554	6.370	6.370	6.370	6.370
75.0	9.554	6.370	3.185	3.185	3.185	3.185	3.185	3.185
77.5	3.185	3.185	3.185	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

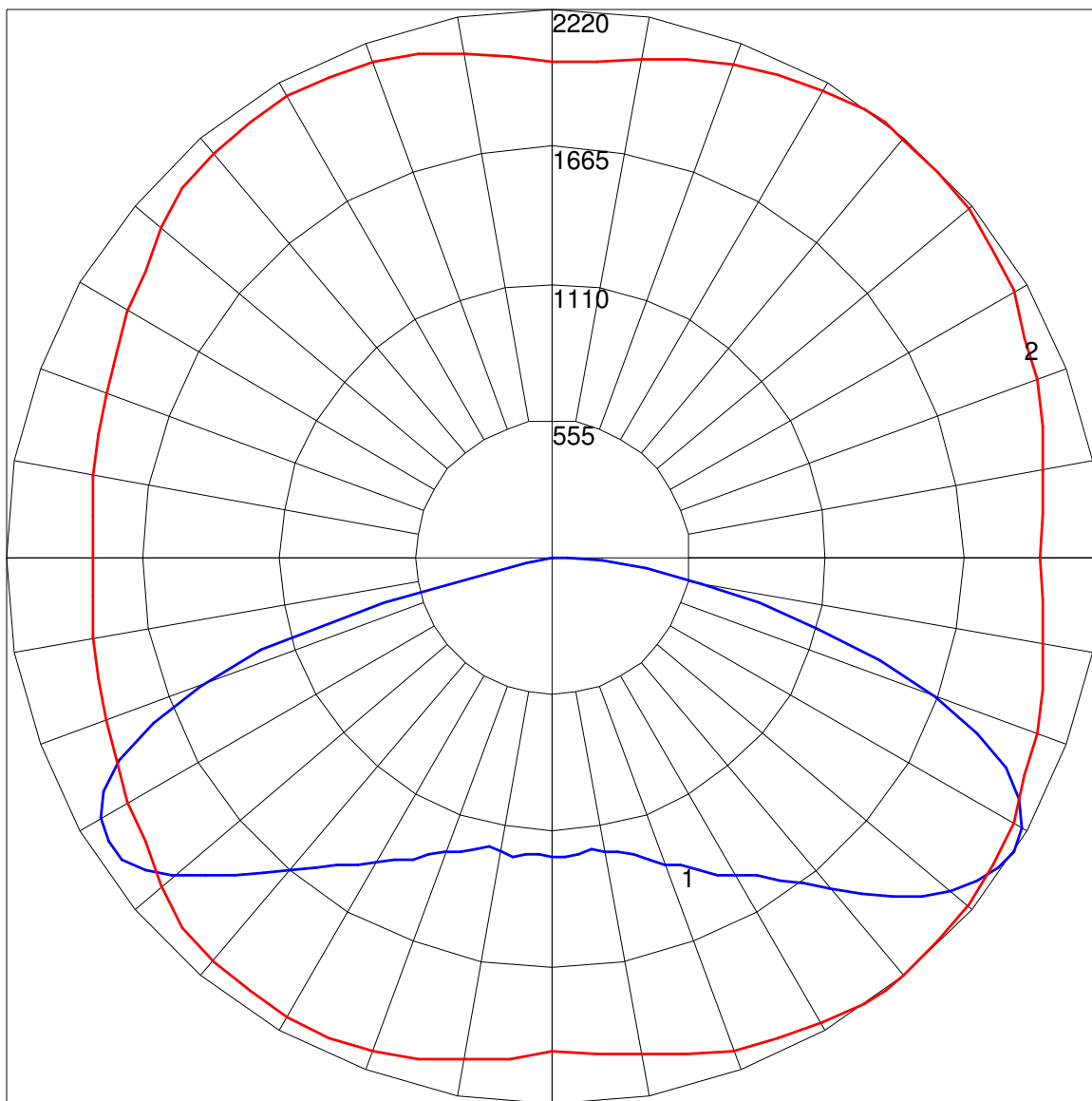
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

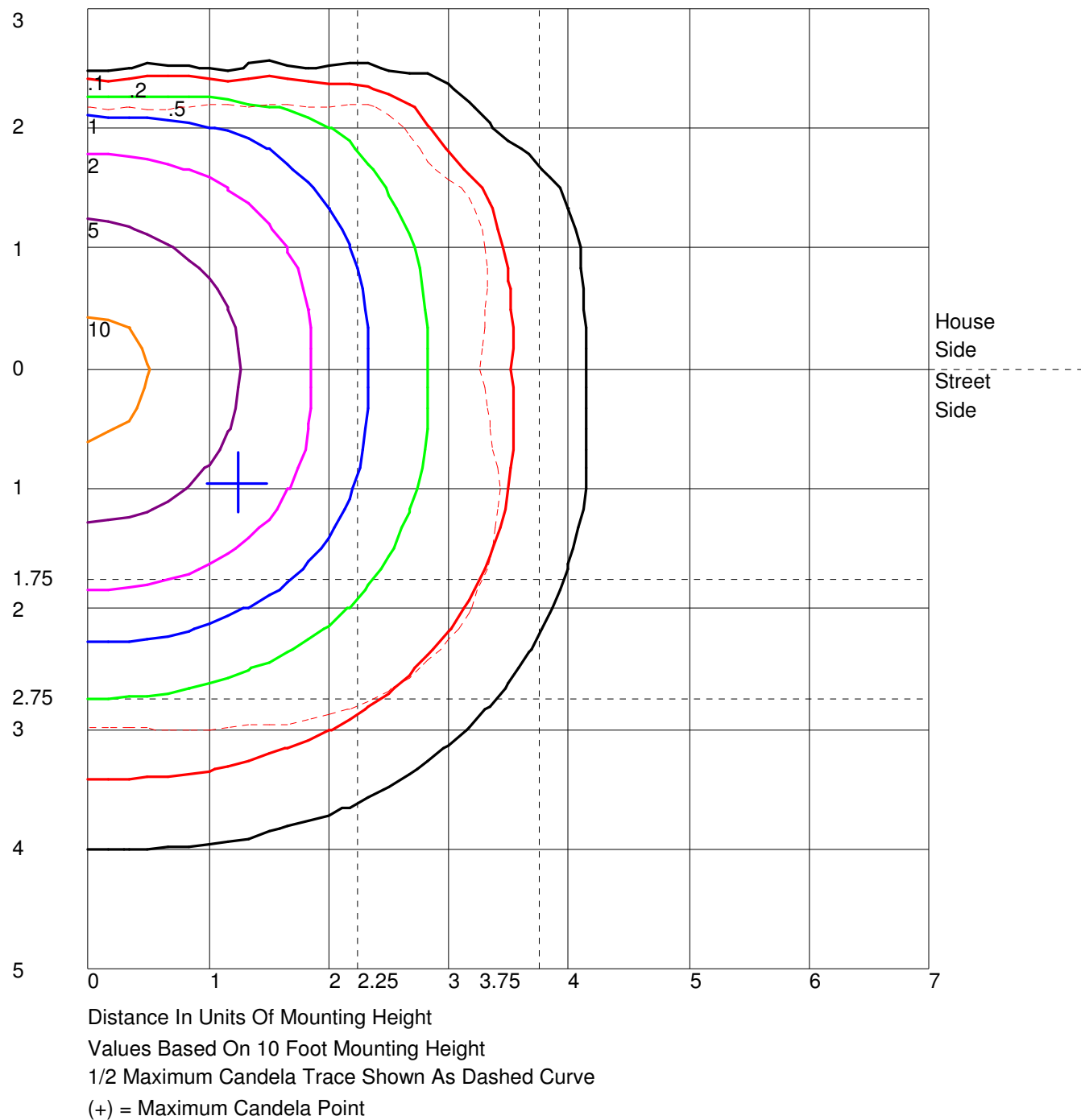
	Lumens	Percent Of Luminaire
Downward Street Side	4336.4	53.8
Downward House Side	3730.0	46.2
Downward Total	8066.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8066.4	100.0

POLAR GRAPH

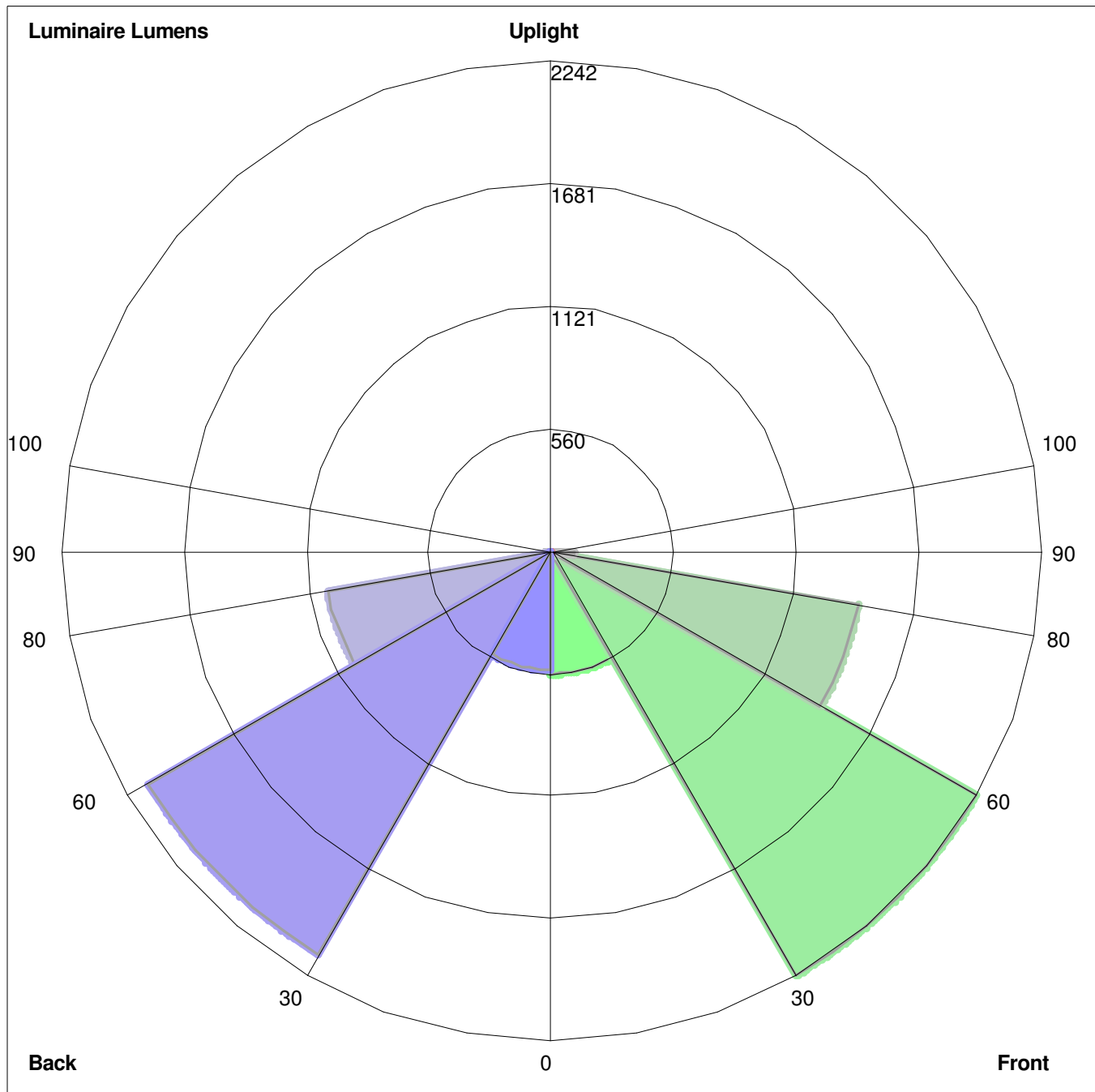


Maximum Candela = 2219.811 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=561.4, Medium=2241.9, High=1424.1, Very High=109.0
Back: Low=543.8, Medium=2124.6, High= 1039.0, Very High=22.6
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3