



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-750-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-L60-750-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	6451
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1775.128
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	1775.128
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	491.535 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-750-TFT-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	449.0	N.A.	7.0
FM - Front-Medium (30-60)	1792.8	N.A.	27.8
FH - Front-High (60-80)	1138.8	N.A.	17.7
FVH - Front-Very High (80-90)	87.1	N.A.	1.4
BL - Back-Low (0-30)	434.9	N.A.	6.7
BM - Back-Medium (30-60)	1699.0	N.A.	26.3
BH - Back-High (60-80)	830.9	N.A.	12.9
BVH - Back-Very High (80-90)	18.1	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	6450.6	N.A.	100.0
BUG Rating	B2-U0-G2		

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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	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882
2.5	993.257	990.710	985.616	980.523	980.523	980.523	983.069	977.976	977.976	975.429
5.0	977.976	975.429	970.335	965.242	962.695	962.695	962.695	960.148	957.601	960.148
7.5	1003.444	998.350	993.257	985.616	977.976	975.429	975.429	970.335	962.695	960.148
10.0	988.163	983.069	975.429	965.242	962.695	967.789	972.882	975.429	975.429	977.976
12.5	1003.444	995.804	983.069	977.976	975.429	983.069	983.069	980.523	972.882	975.429
15.0	1005.991	1000.897	990.710	993.257	998.350	1005.991	1005.991	1005.991	995.804	993.257
17.5	1034.006	1028.912	1016.178	1018.725	1018.725	1023.818	1026.365	1028.912	1023.818	1028.912
20.0	1059.474	1049.287	1039.099	1041.646	1046.740	1049.287	1062.021	1062.021	1062.021	1064.567
22.5	1097.676	1090.036	1082.395	1082.395	1072.208	1079.848	1082.395	1095.129	1100.223	1097.676
25.0	1135.878	1128.238	1125.691	1123.144	1112.957	1118.050	1115.504	1123.144	1128.238	1133.331
27.5	1197.002	1191.908	1181.721	1171.534	1158.799	1153.706	1148.612	1166.440	1171.534	1161.346
30.0	1247.938	1242.844	1237.751	1227.563	1219.923	1202.095	1197.002	1204.642	1199.548	1202.095
32.5	1309.061	1311.608	1309.061	1293.781	1270.859	1258.125	1245.391	1247.938	1240.297	1235.204
35.0	1385.466	1385.466	1380.372	1365.091	1334.530	1321.795	1309.061	1296.327	1296.327	1286.140
37.5	1464.417	1454.230	1444.042	1433.855	1405.840	1388.013	1365.091	1365.091	1344.717	1342.170
40.0	1535.728	1530.634	1515.353	1512.806	1474.604	1461.870	1444.042	1431.308	1410.934	1408.387
42.5	1584.117	1586.664	1573.930	1584.117	1556.102	1548.462	1525.540	1505.166	1489.885	1472.057
45.0	1637.600	1645.241	1632.507	1645.241	1629.960	1632.507	1609.585	1586.664	1561.196	1558.649
47.5	1688.536	1696.177	1693.630	1698.724	1688.536	1691.083	1665.615	1657.975	1632.507	1635.053
50.0	1701.270	1714.005	1719.098	1716.551	1721.645	1721.645	1719.098	1703.817	1703.817	1685.990
52.5	1678.349	1693.630	1698.724	1703.817	1734.379	1734.379	1739.473	1729.285	1731.832	1731.832
55.0	1645.241	1657.975	1663.068	1680.896	1724.192	1724.192	1736.926	1747.113	1754.754	1762.394
57.5	1581.570	1594.304	1614.679	1650.334	1678.349	1688.536	1726.739	1739.473	1759.847	1762.394
60.0	1512.806	1522.994	1543.368	1581.570	1607.038	1645.241	1683.443	1714.005	1734.379	1744.566
62.5	1408.387	1431.308	1449.136	1484.791	1530.634	1568.836	1604.492	1640.147	1683.443	1693.630
65.0	1296.327	1314.155	1334.530	1375.279	1416.028	1456.776	1494.979	1533.181	1586.664	1607.038
67.5	1166.440	1171.534	1197.002	1232.657	1263.219	1301.421	1342.170	1388.013	1446.589	1469.511
70.0	1000.897	1000.897	1023.818	1056.927	1079.848	1118.050	1161.346	1207.189	1258.125	1293.781
72.5	814.980	814.980	835.354	868.463	891.384	924.493	977.976	1003.444	1054.380	1087.489
75.0	631.609	631.609	654.531	687.639	710.561	736.029	786.965	817.527	853.182	876.103
77.5	466.067	466.067	486.441	517.003	537.377	560.299	601.048	626.516	649.437	672.358
80.0	320.898	318.352	336.179	359.101	374.381	397.303	430.411	443.145	458.426	476.254
82.5	196.105	193.558	208.839	219.026	236.854	247.041	269.962	277.603	287.790	297.977
85.0	94.232	91.685	101.872	104.419	117.153	119.700	134.981	142.621	142.621	147.715
87.5	25.468	25.468	28.015	28.015	33.109	30.562	38.202	40.749	40.749	43.296
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	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882
2.5	975.429	975.429	977.976	980.523	980.523	977.976	975.429	972.882	972.882	970.335
5.0	962.695	965.242	967.789	972.882	977.976	977.976	977.976	975.429	970.335	965.242
7.5	960.148	960.148	960.148	962.695	970.335	975.429	977.976	977.976	975.429	970.335
10.0	975.429	970.335	967.789	960.148	957.601	962.695	970.335	972.882	970.335	962.695
12.5	983.069	983.069	983.069	972.882	962.695	965.242	967.789	977.976	977.976	972.882
15.0	993.257	995.804	998.350	1008.538	1000.897	995.804	988.163	995.804	993.257	983.069
17.5	1031.459	1026.365	1023.818	1021.272	1021.272	1011.084	1003.444	1005.991	1005.991	998.350
20.0	1062.021	1059.474	1054.380	1041.646	1034.006	1034.006	1023.818	1023.818	1031.459	1026.365
22.5	1090.036	1082.395	1082.395	1079.848	1069.661	1069.661	1056.927	1051.833	1059.474	1056.927
25.0	1125.691	1123.144	1118.050	1118.050	1105.316	1100.223	1095.129	1087.489	1095.129	1097.676
27.5	1163.893	1161.346	1156.253	1146.065	1143.519	1138.425	1135.878	1140.972	1143.519	1143.519

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CANDELA TABULATION - (Cont.)

30.0	1199.548	1194.455	1186.814	1186.814	1181.721	1186.814	1186.814	1199.548	1202.095	1202.095
32.5	1227.563	1225.017	1225.017	1235.204	1240.297	1230.110	1237.751	1247.938	1247.938	1253.032
35.0	1283.593	1281.046	1275.953	1286.140	1283.593	1293.781	1303.968	1311.608	1311.608	1329.436
37.5	1337.076	1337.076	1337.076	1344.717	1344.717	1365.091	1375.279	1372.732	1380.372	1388.013
40.0	1403.293	1405.840	1408.387	1413.481	1413.481	1433.855	1446.589	1449.136	1461.870	1464.417
42.5	1484.791	1487.338	1484.791	1489.885	1492.432	1517.900	1520.447	1525.540	1525.540	1528.087
45.0	1556.102	1558.649	1556.102	1558.649	1571.383	1589.211	1589.211	1584.117	1584.117	1581.570
47.5	1627.413	1624.866	1622.319	1629.960	1632.507	1640.147	1635.053	1632.507	1622.319	1624.866
50.0	1688.536	1685.990	1685.990	1688.536	1685.990	1693.630	1683.443	1665.615	1652.881	1655.428
52.5	1729.285	1731.832	1731.832	1721.645	1719.098	1714.005	1696.177	1683.443	1663.068	1657.975
55.0	1757.300	1764.941	1762.394	1747.113	1731.832	1719.098	1691.083	1678.349	1652.881	1645.241
57.5	1770.034	1775.128	1770.034	1744.566	1724.192	1703.817	1670.709	1640.147	1617.226	1604.492
60.0	1754.754	1754.754	1752.207	1714.005	1696.177	1668.162	1624.866	1594.304	1551.009	1543.368
62.5	1714.005	1711.458	1703.817	1680.896	1640.147	1614.679	1566.289	1525.540	1484.791	1474.604
65.0	1627.413	1627.413	1622.319	1607.038	1556.102	1528.087	1487.338	1438.949	1400.747	1377.825
67.5	1487.338	1492.432	1494.979	1472.057	1438.949	1403.293	1362.544	1316.702	1288.687	1260.672
70.0	1311.608	1316.702	1319.249	1301.421	1273.406	1253.032	1207.189	1166.440	1135.878	1105.316
72.5	1110.410	1112.957	1112.957	1100.223	1077.302	1059.474	1023.818	983.069	949.961	921.946
75.0	891.384	891.384	901.571	886.291	876.103	848.088	827.714	774.231	741.122	715.654
77.5	677.452	690.186	690.186	672.358	662.171	641.797	618.875	573.033	545.018	534.831
80.0	478.801	491.535	478.801	473.707	466.067	445.692	430.411	397.303	376.928	371.835
82.5	300.524	310.711	303.071	297.977	300.524	280.149	272.509	249.588	239.400	236.854
85.0	150.262	157.902	160.449	150.262	155.356	142.621	142.621	129.887	124.794	124.794
87.5	43.296	48.389	50.936	45.843	50.936	45.843	48.389	43.296	45.843	45.843
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	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882
2.5	967.789	965.242	965.242	965.242	965.242	965.242	965.242	965.242	962.695	962.695
5.0	962.695	957.601	957.601	957.601	957.601	962.695	970.335	972.882	977.976	980.523
7.5	967.789	962.695	962.695	965.242	970.335	977.976	983.069	977.976	972.882	970.335
10.0	957.601	957.601	965.242	972.882	977.976	975.429	972.882	965.242	960.148	960.148
12.5	965.242	970.335	975.429	975.429	967.789	962.695	962.695	960.148	970.335	975.429
15.0	975.429	983.069	988.163	983.069	977.976	972.882	977.976	980.523	980.523	975.429
17.5	985.616	988.163	993.257	988.163	988.163	998.350	1005.991	1005.991	1003.444	1000.897
20.0	1021.272	1013.631	1013.631	1011.084	1018.725	1016.178	1021.272	1023.818	1031.459	1028.912
22.5	1056.927	1051.833	1041.646	1039.099	1041.646	1041.646	1049.287	1049.287	1049.287	1046.740
25.0	1097.676	1090.036	1077.302	1072.208	1077.302	1077.302	1082.395	1077.302	1077.302	1069.661
27.5	1135.878	1128.238	1123.144	1120.597	1110.410	1115.504	1107.863	1105.316	1107.863	1100.223
30.0	1194.455	1186.814	1184.268	1166.440	1148.612	1148.612	1143.519	1138.425	1135.878	1123.144
32.5	1250.485	1245.391	1240.297	1225.017	1204.642	1189.361	1184.268	1176.627	1174.080	1156.253
35.0	1326.889	1314.155	1303.968	1286.140	1263.219	1240.297	1225.017	1214.829	1207.189	1189.361
37.5	1388.013	1380.372	1367.638	1354.904	1319.249	1293.781	1275.953	1258.125	1245.391	1230.110
40.0	1464.417	1461.870	1446.589	1418.574	1388.013	1365.091	1339.623	1311.608	1288.687	1281.046
42.5	1535.728	1533.181	1517.900	1505.166	1469.511	1436.402	1400.747	1382.919	1354.904	1347.264
45.0	1589.211	1586.664	1584.117	1566.289	1533.181	1510.260	1477.151	1454.230	1418.574	1418.574
47.5	1624.866	1624.866	1635.053	1622.319	1591.758	1568.836	1545.915	1522.994	1507.713	1492.432
50.0	1665.615	1660.521	1665.615	1668.162	1657.975	1627.413	1617.226	1607.038	1576.477	1568.836
52.5	1678.349	1678.349	1696.177	1711.458	1701.270	1685.990	1670.709	1665.615	1647.787	1629.960
55.0	1663.068	1683.443	1711.458	1721.645	1726.739	1724.192	1711.458	1703.817	1683.443	1665.615
57.5	1632.507	1657.975	1691.083	1711.458	1719.098	1729.285	1719.098	1711.458	1698.724	1665.615
60.0	1576.477	1599.398	1642.694	1675.802	1683.443	1701.270	1701.270	1685.990	1665.615	1635.053
62.5	1494.979	1530.634	1571.383	1601.945	1635.053	1637.600	1652.881	1637.600	1614.679	1586.664
65.0	1398.200	1436.402	1474.604	1502.619	1533.181	1548.462	1561.196	1548.462	1517.900	1489.885

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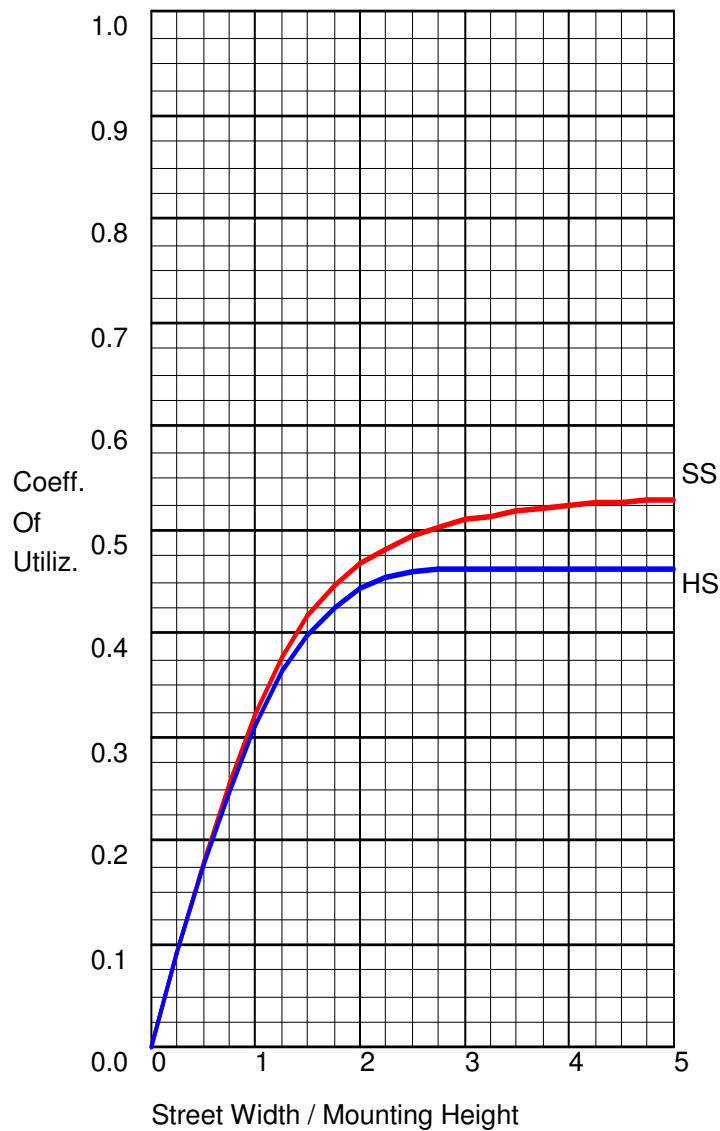
CANDELA TABULATION - (Cont.)

67.5	1278.500	1311.608	1344.717	1370.185	1400.747	1405.840	1410.934	1398.200	1367.638	1324.342
70.0	1123.144	1146.065	1186.814	1207.189	1237.751	1219.923	1227.563	1214.829	1166.440	1062.021
72.5	939.774	965.242	993.257	1005.991	1028.912	1000.897	995.804	993.257	860.822	443.145
75.0	728.388	756.403	781.871	799.699	792.059	634.156	588.314	555.205	140.075	12.734
77.5	537.377	557.752	580.673	578.126	438.052	272.509	168.090	15.281	5.094	2.547
80.0	376.928	389.662	402.396	290.337	56.030	15.281	5.094	2.547	2.547	0.000
82.5	239.400	247.041	247.041	109.513	7.640	2.547	2.547	2.547	0.000	0.000
85.0	127.341	127.341	99.326	15.281	2.547	0.000	0.000	0.000	0.000	0.000
87.5	45.843	40.749	7.640	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	972.882	972.882	972.882	972.882	972.882	972.882	972.882	972.882
2.5	962.695	967.789	970.335	975.429	972.882	970.335	967.789	965.242
5.0	983.069	985.616	988.163	990.710	988.163	983.069	975.429	975.429
7.5	967.789	967.789	972.882	972.882	967.789	960.148	955.055	949.961
10.0	960.148	962.695	970.335	975.429	975.429	967.789	960.148	955.055
12.5	977.976	975.429	972.882	972.882	975.429	967.789	957.601	952.508
15.0	980.523	983.069	983.069	983.069	980.523	975.429	967.789	962.695
17.5	1003.444	1000.897	995.804	990.710	983.069	983.069	980.523	975.429
20.0	1023.818	1016.178	1003.444	1005.991	998.350	998.350	990.710	988.163
22.5	1044.193	1031.459	1026.365	1028.912	1023.818	1023.818	1016.178	1016.178
25.0	1069.661	1062.021	1051.833	1044.193	1049.287	1054.380	1044.193	1046.740
27.5	1095.129	1084.942	1084.942	1079.848	1079.848	1079.848	1067.114	1072.208
30.0	1125.691	1118.050	1107.863	1102.770	1118.050	1130.785	1118.050	1130.785
32.5	1146.065	1153.706	1143.519	1146.065	1146.065	1158.799	1163.893	1181.721
35.0	1181.721	1184.268	1179.174	1194.455	1202.095	1219.923	1230.110	1235.204
37.5	1222.470	1222.470	1235.204	1245.391	1247.938	1270.859	1286.140	1288.687
40.0	1275.953	1270.859	1296.327	1311.608	1321.795	1339.623	1359.998	1357.451
42.5	1337.076	1331.983	1354.904	1372.732	1390.559	1418.574	1436.402	1436.402
45.0	1410.934	1405.840	1423.668	1451.683	1456.776	1474.604	1497.525	1505.166
47.5	1489.885	1479.698	1497.525	1517.900	1525.540	1535.728	1558.649	1563.743
50.0	1566.289	1553.555	1561.196	1579.023	1586.664	1594.304	1601.945	1604.492
52.5	1622.319	1607.038	1599.398	1604.492	1607.038	1604.492	1601.945	1601.945
55.0	1635.053	1609.585	1591.758	1586.664	1581.570	1573.930	1561.196	1558.649
57.5	1614.679	1594.304	1563.743	1543.368	1528.087	1512.806	1497.525	1497.525
60.0	1584.117	1548.462	1517.900	1492.432	1459.323	1436.402	1405.840	1413.481
62.5	1533.181	1487.338	1444.042	1405.840	1357.451	1321.795	1283.593	1283.593
65.0	1433.855	1370.185	1301.421	1232.657	1128.238	1059.474	965.242	962.695
67.5	1247.938	1118.050	924.493	697.827	430.411	305.617	152.809	152.809
70.0	807.339	450.786	106.966	22.921	12.734	10.187	10.187	10.187
72.5	63.670	15.281	7.640	7.640	5.094	5.094	5.094	5.094
75.0	7.640	5.094	2.547	2.547	2.547	2.547	2.547	2.547
77.5	2.547	2.547	2.547	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

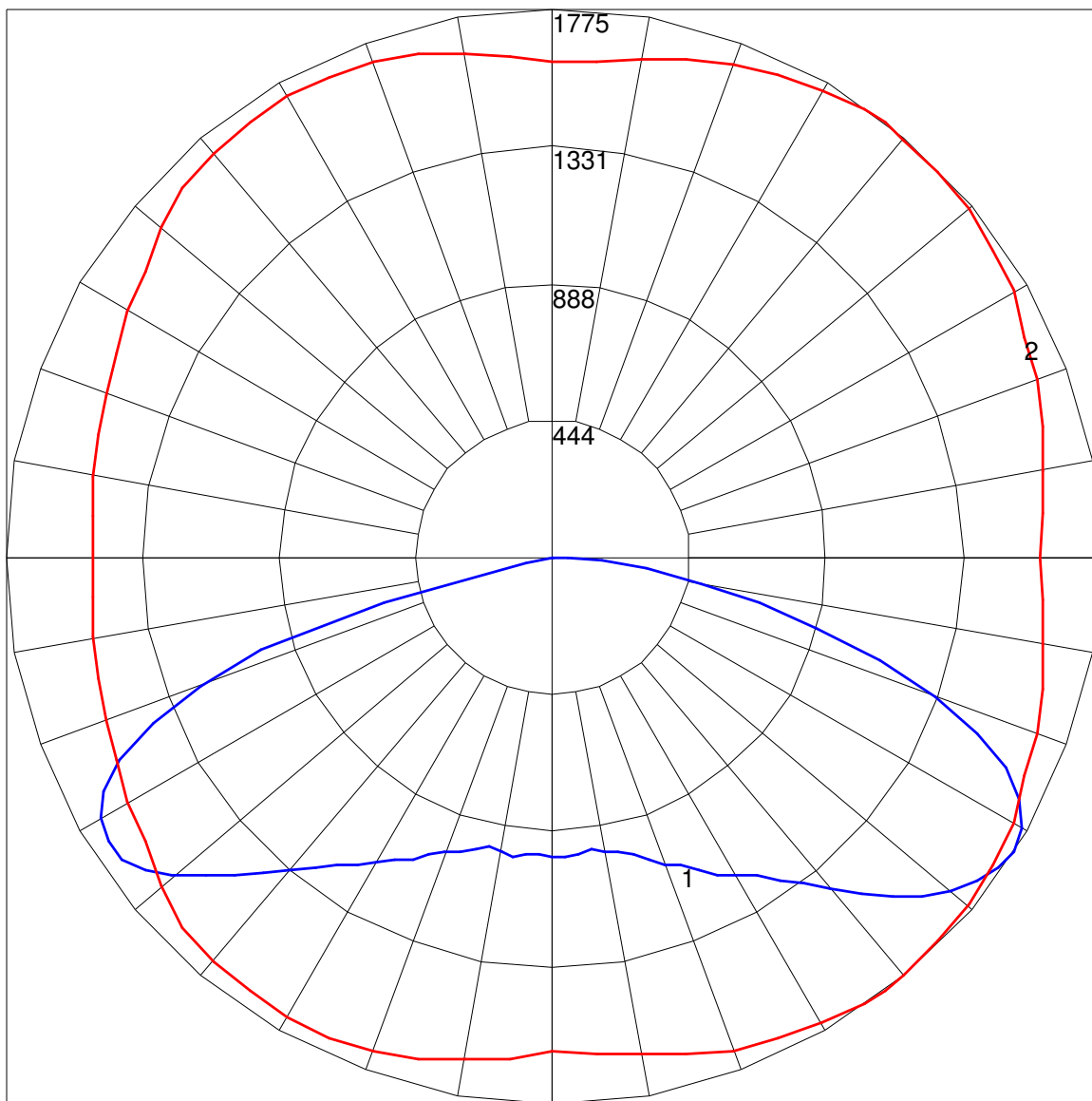
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

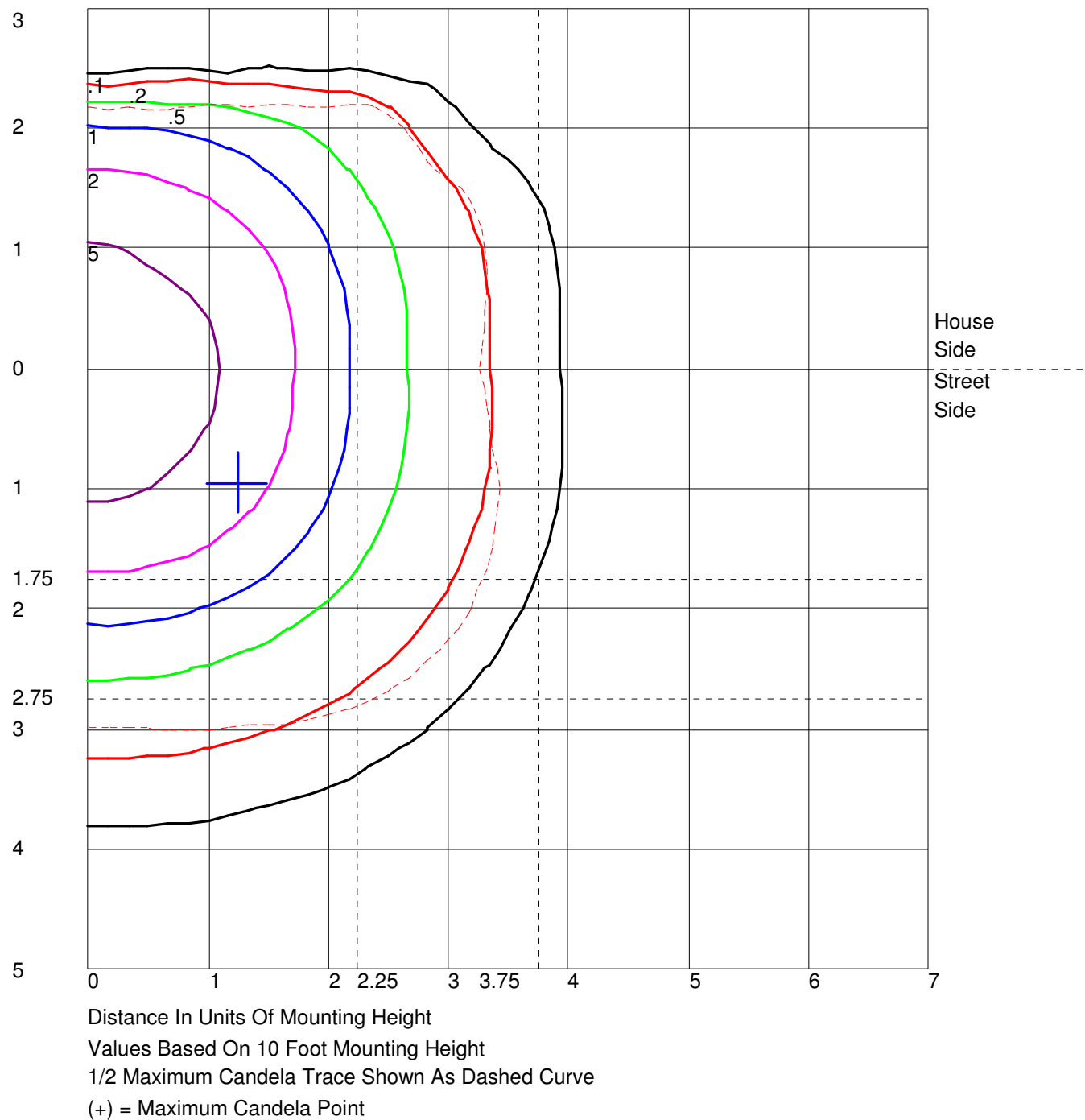
	Lumens	Percent Of Luminaire
Downward Street Side	3467.7	53.8
Downward House Side	2982.8	46.2
Downward Total	6450.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6450.5	100.0

POLAR GRAPH

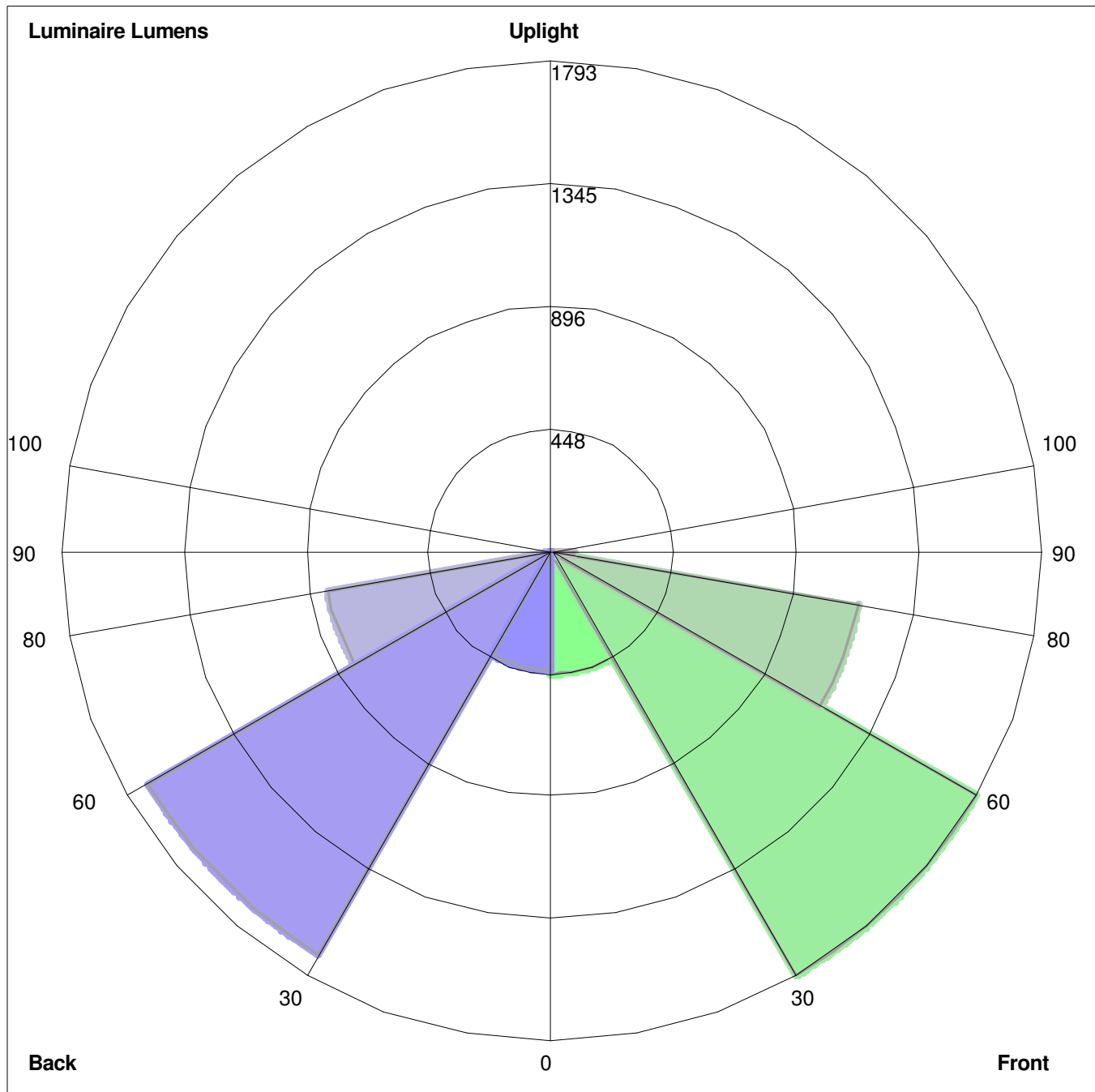


Maximum Candela = 1775.128 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=449.0, Medium=1792.8, High=1138.8, Very High=87.1
Back: Low=434.9, Medium= 1699.0, High=830.9, Very High=18.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2