



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-730-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-L60-730-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	6071
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2120.012
Maximum Candela Angle	45H 65V
Maximum Candela (<90 Degrees Vertical)	2120.012
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	377.384 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-730-TFT-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	357.4	N.A.	5.9
FM - Front-Medium (30-60)	1546.6	N.A.	25.5
FH - Front-High (60-80)	1393.2	N.A.	22.9
FVH - Front-Very High (80-90)	31.6	N.A.	0.5
BL - Back-Low (0-30)	346.4	N.A.	5.7
BM - Back-Medium (30-60)	1430.1	N.A.	23.6
BH - Back-High (60-80)	961.3	N.A.	15.8
BVH - Back-Very High (80-90)	4.7	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	6071.3	N.A.	100.0
BUG Rating	B2-U0-G2		

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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	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088
2.5	776.968	774.748	773.638	771.418	769.198	768.088	768.088	769.198	766.978	765.868
5.0	775.858	772.528	770.308	769.198	768.088	768.088	766.978	768.088	765.868	765.868
7.5	775.858	772.528	769.198	769.198	768.088	768.088	766.978	765.868	763.648	762.538
10.0	779.188	774.748	771.418	772.528	770.308	770.308	769.198	768.088	764.758	762.538
12.5	789.177	783.628	781.408	782.518	780.298	779.188	778.078	774.748	770.308	766.978
15.0	803.607	795.837	794.727	799.167	799.167	796.947	795.837	792.507	786.957	781.408
17.5	822.476	813.596	808.047	813.596	814.706	815.816	818.036	815.816	809.156	803.607
20.0	853.555	845.785	836.905	838.015	835.795	839.125	841.345	842.455	836.905	831.356
22.5	893.513	885.743	874.644	872.424	866.874	869.094	870.204	871.314	867.984	863.544
25.0	936.801	931.251	916.822	912.382	904.613	905.722	903.503	905.722	901.283	899.063
27.5	981.199	972.320	957.890	953.450	943.461	944.571	937.911	937.911	936.801	940.131
30.0	1034.477	1027.817	1008.948	1000.069	988.969	984.529	973.430	974.540	972.320	973.430
32.5	1094.415	1083.315	1068.886	1056.676	1042.247	1030.037	1015.608	1013.388	1006.728	1003.398
35.0	1158.792	1149.912	1134.373	1121.054	1101.074	1085.535	1066.666	1056.676	1046.687	1035.587
37.5	1218.729	1212.070	1196.530	1185.431	1163.232	1144.363	1122.163	1099.964	1086.645	1074.435
40.0	1276.447	1272.007	1255.358	1245.368	1224.279	1203.190	1178.771	1154.352	1136.593	1119.944
42.5	1336.385	1330.835	1315.295	1303.086	1283.107	1259.798	1236.489	1214.290	1194.311	1179.881
45.0	1390.772	1386.333	1375.233	1363.024	1343.044	1318.625	1296.426	1274.227	1259.798	1249.808
47.5	1441.830	1437.390	1431.841	1424.071	1405.202	1377.453	1357.474	1335.275	1326.395	1325.285
50.0	1470.689	1471.799	1474.019	1478.459	1469.579	1441.830	1427.401	1409.642	1401.872	1405.202
52.5	1477.349	1484.008	1501.768	1521.747	1528.407	1509.537	1505.098	1495.108	1487.338	1491.778
55.0	1489.558	1497.328	1528.407	1565.035	1588.344	1583.904	1587.234	1592.784	1587.234	1588.344
57.5	1547.276	1561.705	1589.454	1637.182	1670.481	1680.470	1690.460	1711.549	1713.769	1707.109
60.0	1614.983	1632.742	1664.931	1723.759	1768.157	1795.906	1815.885	1862.503	1885.812	1878.042
62.5	1623.863	1643.842	1683.800	1742.628	1780.366	1826.984	1876.932	1983.488	2042.315	2046.755
65.0	1567.255	1590.564	1636.072	1696.010	1745.958	1802.565	1871.382	2024.556	2106.693	2120.012
67.5	1533.956	1561.705	1633.852	1688.240	1710.439	1724.869	1784.806	1963.509	2064.514	2066.734
70.0	1481.789	1516.197	1608.323	1676.031	1708.219	1688.240	1702.669	1773.706	1852.513	1850.293
72.5	1252.028	1280.887	1438.500	1546.166	1598.334	1558.375	1608.323	1537.286	1437.390	1377.453
75.0	534.998	553.867	672.632	812.486	936.801	1044.467	1186.541	1254.248	1093.305	1040.027
77.5	193.132	197.572	221.991	249.740	315.227	449.531	649.323	765.868	755.879	784.737
80.0	78.807	81.027	92.126	107.666	136.524	177.593	259.729	336.316	356.295	377.384
82.5	32.189	33.299	38.848	43.288	57.718	76.587	109.885	138.744	146.514	163.163
85.0	12.209	12.209	13.319	15.539	19.979	26.639	39.958	51.058	52.168	61.047
87.5	3.330	3.330	3.330	3.330	3.330	3.330	4.440	4.440	6.660	8.880
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	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088
2.5	764.758	763.648	765.868	766.978	764.758	762.538	762.538	762.538	762.538	762.538
5.0	762.538	761.428	763.648	763.648	761.428	758.099	755.879	755.879	754.769	755.879
7.5	761.428	758.099	760.318	759.209	756.989	752.549	749.219	749.219	748.109	748.109
10.0	761.428	755.879	758.099	759.209	759.209	754.769	750.329	749.219	748.109	746.999
12.5	765.868	762.538	764.758	764.758	765.868	761.428	756.989	754.769	752.549	751.439
15.0	781.408	779.188	780.298	779.188	778.078	774.748	768.088	762.538	760.318	759.209
17.5	801.387	800.277	799.167	796.947	792.507	785.847	781.408	776.968	775.858	774.748
20.0	828.026	826.916	825.806	819.146	813.596	805.827	802.497	801.387	801.387	800.277
22.5	860.214	853.555	851.335	845.785	840.235	835.795	834.685	833.575	833.575	832.465
25.0	896.843	885.743	883.523	879.084	874.644	875.754	875.754	874.644	874.644	870.204
27.5	933.471	920.152	914.602	911.272	910.162	914.602	914.602	915.712	917.932	911.272

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CANDELA TABULATION - (Cont.)

30.0	973.430	957.890	946.791	947.901	949.011	956.780	956.780	959.000	964.550	957.890
32.5	1007.838	1000.069	983.419	985.639	988.969	998.959	1004.508	1010.058	1016.718	1007.838
35.0	1040.027	1041.137	1026.707	1030.037	1037.807	1050.016	1057.786	1067.776	1076.655	1066.666
37.5	1074.435	1082.205	1078.875	1084.425	1095.525	1111.064	1121.054	1132.153	1134.373	1131.043
40.0	1118.834	1132.153	1136.593	1147.692	1157.682	1172.111	1187.651	1198.750	1198.750	1196.530
42.5	1173.221	1187.651	1194.311	1209.850	1222.059	1233.159	1247.588	1256.468	1253.138	1254.248
45.0	1238.709	1248.698	1257.578	1272.007	1284.217	1294.206	1301.976	1301.976	1297.536	1299.756
47.5	1314.186	1315.295	1317.515	1334.165	1345.264	1360.804	1364.133	1357.474	1350.814	1356.364
50.0	1398.542	1392.992	1387.442	1398.542	1409.642	1426.291	1422.961	1408.532	1399.652	1407.422
52.5	1489.558	1479.569	1467.359	1475.129	1479.569	1484.008	1462.919	1437.390	1429.621	1440.720
55.0	1588.344	1583.904	1561.705	1555.046	1546.166	1531.737	1482.899	1437.390	1424.071	1437.390
57.5	1714.879	1708.219	1670.481	1652.722	1622.753	1590.564	1518.417	1467.359	1456.260	1460.699
60.0	1883.592	1873.602	1811.445	1770.377	1724.869	1670.481	1585.014	1535.066	1525.077	1526.187
62.5	2036.766	2001.247	1892.472	1809.225	1751.507	1677.140	1588.344	1537.286	1525.077	1527.297
65.0	2100.033	2037.876	1898.021	1792.576	1734.858	1662.711	1588.344	1540.616	1531.737	1527.297
67.5	2066.734	1992.367	1832.534	1757.057	1743.738	1691.570	1620.533	1541.726	1523.967	1522.857
70.0	1893.582	1828.094	1751.507	1753.727	1788.136	1751.507	1650.502	1522.857	1491.778	1497.328
72.5	1434.061	1578.355	1692.680	1661.601	1697.120	1636.072	1482.899	1303.086	1264.238	1295.316
75.0	1116.614	1309.746	1286.437	1164.342	984.529	870.204	683.732	553.867	557.197	552.757
77.5	772.528	783.628	691.501	517.239	329.656	290.808	244.190	210.891	215.331	210.891
80.0	367.395	349.636	276.379	207.561	152.064	136.524	112.105	97.676	96.566	92.126
82.5	153.174	150.954	124.315	95.456	73.257	59.938	49.948	43.288	44.398	44.398
85.0	58.828	61.047	51.058	39.958	29.969	25.529	21.089	19.979	18.869	18.869
87.5	11.100	14.429	11.100	9.990	8.880	7.770	6.660	5.550	5.550	5.550
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	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088	768.088
2.5	762.538	761.428	761.428	760.318	761.428	764.758	762.538	762.538	764.758	768.088
5.0	754.769	753.659	754.769	756.989	756.989	760.318	759.209	759.209	761.428	763.648
7.5	746.999	746.999	750.329	752.549	753.659	755.879	755.879	754.769	756.989	760.318
10.0	746.999	748.109	751.439	753.659	752.549	753.659	753.659	753.659	755.879	758.099
12.5	752.549	754.769	759.209	760.318	759.209	755.879	755.879	755.879	759.209	762.538
15.0	761.428	765.868	769.198	772.528	771.418	770.308	769.198	769.198	770.308	774.748
17.5	774.748	775.858	781.408	786.957	786.957	789.177	788.067	786.957	786.957	790.287
20.0	798.057	796.947	799.167	806.937	808.047	810.266	810.266	811.376	809.156	809.156
22.5	829.136	828.026	828.026	833.575	835.795	835.795	835.795	836.905	834.685	832.465
25.0	871.314	869.094	863.544	866.874	866.874	865.764	869.094	867.984	865.764	861.324
27.5	914.602	909.052	902.393	902.393	897.953	896.843	906.832	903.503	897.953	889.073
30.0	957.890	950.121	941.241	935.691	931.251	932.361	939.021	932.361	924.592	914.602
32.5	1004.508	992.299	983.419	974.540	966.770	970.100	966.770	957.890	949.011	942.351
35.0	1061.116	1046.687	1032.257	1021.158	1006.728	1001.179	994.519	978.979	972.320	966.770
37.5	1126.603	1111.064	1096.635	1074.435	1051.126	1040.027	1024.488	1010.058	1000.069	995.629
40.0	1190.981	1175.441	1161.012	1135.483	1102.184	1079.985	1061.116	1047.797	1036.697	1034.477
42.5	1248.698	1232.049	1220.949	1190.981	1159.902	1128.823	1105.514	1092.195	1082.205	1082.205
45.0	1303.086	1293.096	1276.447	1245.368	1214.290	1182.101	1156.572	1145.473	1137.703	1133.263
47.5	1363.024	1358.584	1336.385	1303.086	1270.897	1235.379	1217.620	1202.080	1194.311	1185.431
50.0	1419.631	1421.851	1399.652	1366.353	1333.055	1296.426	1286.437	1268.677	1254.248	1243.148
52.5	1465.139	1476.239	1465.139	1428.511	1405.202	1374.123	1359.694	1335.275	1324.175	1310.856
55.0	1475.129	1509.537	1520.637	1501.768	1487.338	1460.699	1441.830	1414.081	1405.202	1395.212
57.5	1497.328	1537.286	1577.245	1581.684	1573.915	1560.595	1542.836	1508.427	1498.438	1492.888
60.0	1555.046	1592.784	1652.722	1681.580	1681.580	1694.900	1687.130	1650.502	1636.072	1624.973
62.5	1552.826	1596.114	1660.491	1718.209	1768.157	1828.094	1842.524	1812.555	1802.565	1774.816
65.0	1539.506	1571.695	1640.512	1711.549	1764.827	1880.262	1942.419	1941.310	1899.131	1848.073

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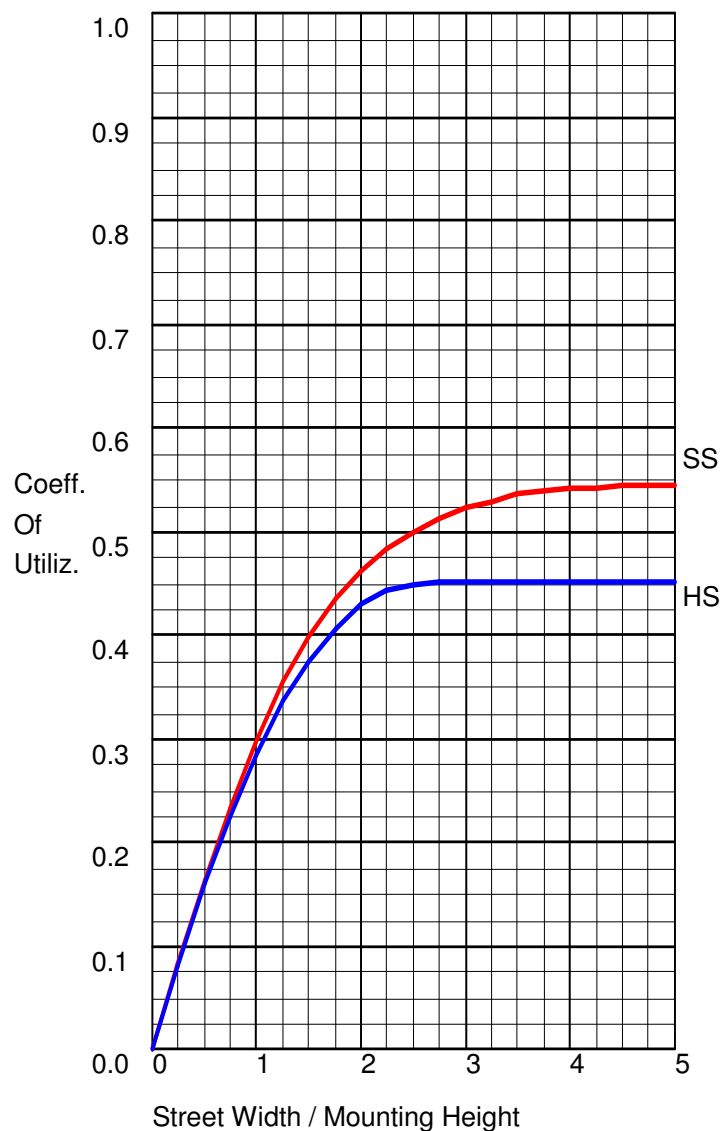
CANDELA TABULATION - (Cont.)

67.5	1555.046	1602.774	1638.292	1661.601	1707.109	1872.492	1956.849	1833.644	1703.779	1638.292
70.0	1553.936	1638.292	1670.481	1657.161	1647.172	1739.298	1530.627	1404.092	1522.857	921.262
72.5	1425.181	1578.355	1661.601	1614.983	1643.842	1199.860	1060.006	744.779	138.744	25.529
75.0	689.281	867.984	1057.786	1105.514	1007.838	835.795	192.022	18.869	4.440	3.330
77.5	246.410	284.148	345.196	412.903	479.500	13.319	4.440	3.330	2.220	2.220
80.0	109.885	124.315	117.655	95.456	36.628	2.220	2.220	1.110	1.110	1.110
82.5	47.728	47.728	31.079	13.319	2.220	1.110	1.110	1.110	1.110	1.110
85.0	19.979	11.100	5.550	1.110	1.110	1.110	1.110	0.000	0.000	0.000
87.5	4.440	1.110	1.110	1.110	1.110	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	768.088	768.088	768.088	768.088	768.088	768.088	768.088
2.5	766.978	768.088	770.308	770.308	772.528	770.308	766.978
5.0	762.538	762.538	764.758	764.758	765.868	764.758	760.318
7.5	758.099	758.099	759.209	758.099	759.209	758.099	753.659
10.0	756.989	756.989	756.989	758.099	760.318	758.099	755.879
12.5	762.538	764.758	762.538	764.758	766.978	764.758	762.538
15.0	775.858	775.858	773.638	774.748	773.638	770.308	769.198
17.5	789.177	788.067	782.518	781.408	780.298	780.298	779.188
20.0	806.937	804.717	796.947	796.947	798.057	799.167	800.277
22.5	829.136	825.806	816.926	818.036	821.366	824.696	829.136
25.0	855.775	848.005	842.455	843.565	848.005	853.555	856.884
27.5	877.974	871.314	866.874	869.094	873.534	880.194	884.633
30.0	902.393	897.953	897.953	900.173	905.722	914.602	920.152
32.5	932.361	927.922	927.922	932.361	940.131	951.231	957.890
35.0	963.440	956.780	963.440	970.100	981.199	993.409	1002.288
37.5	994.519	997.849	1008.948	1018.938	1030.037	1045.577	1057.786
40.0	1035.587	1045.577	1055.566	1068.886	1084.425	1102.184	1114.394
42.5	1084.425	1095.525	1107.734	1119.944	1135.483	1155.462	1168.782
45.0	1135.483	1145.473	1157.682	1169.892	1185.431	1206.520	1217.620
47.5	1186.541	1192.091	1207.630	1218.729	1234.269	1255.358	1263.128
50.0	1243.148	1246.478	1260.908	1272.007	1286.437	1305.306	1309.746
52.5	1309.746	1309.746	1318.625	1327.505	1331.945	1344.154	1345.264
55.0	1387.442	1380.783	1381.893	1383.003	1374.123	1371.903	1367.463
57.5	1479.569	1469.579	1460.699	1442.940	1408.532	1388.552	1379.673
60.0	1609.433	1587.234	1556.156	1509.537	1451.820	1434.061	1427.401
62.5	1719.319	1653.831	1593.894	1531.737	1475.129	1457.370	1447.380
65.0	1739.298	1654.941	1580.574	1495.108	1368.573	1200.970	1199.860
67.5	1622.753	1270.897	836.905	461.741	231.980	134.304	99.896
70.0	316.337	158.723	18.869	6.660	4.440	4.440	4.440
72.5	6.660	4.440	3.330	3.330	3.330	3.330	2.220
75.0	3.330	2.220	2.220	2.220	1.110	1.110	1.110
77.5	1.110	1.110	1.110	1.110	1.110	0.000	0.000
80.0	1.110	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

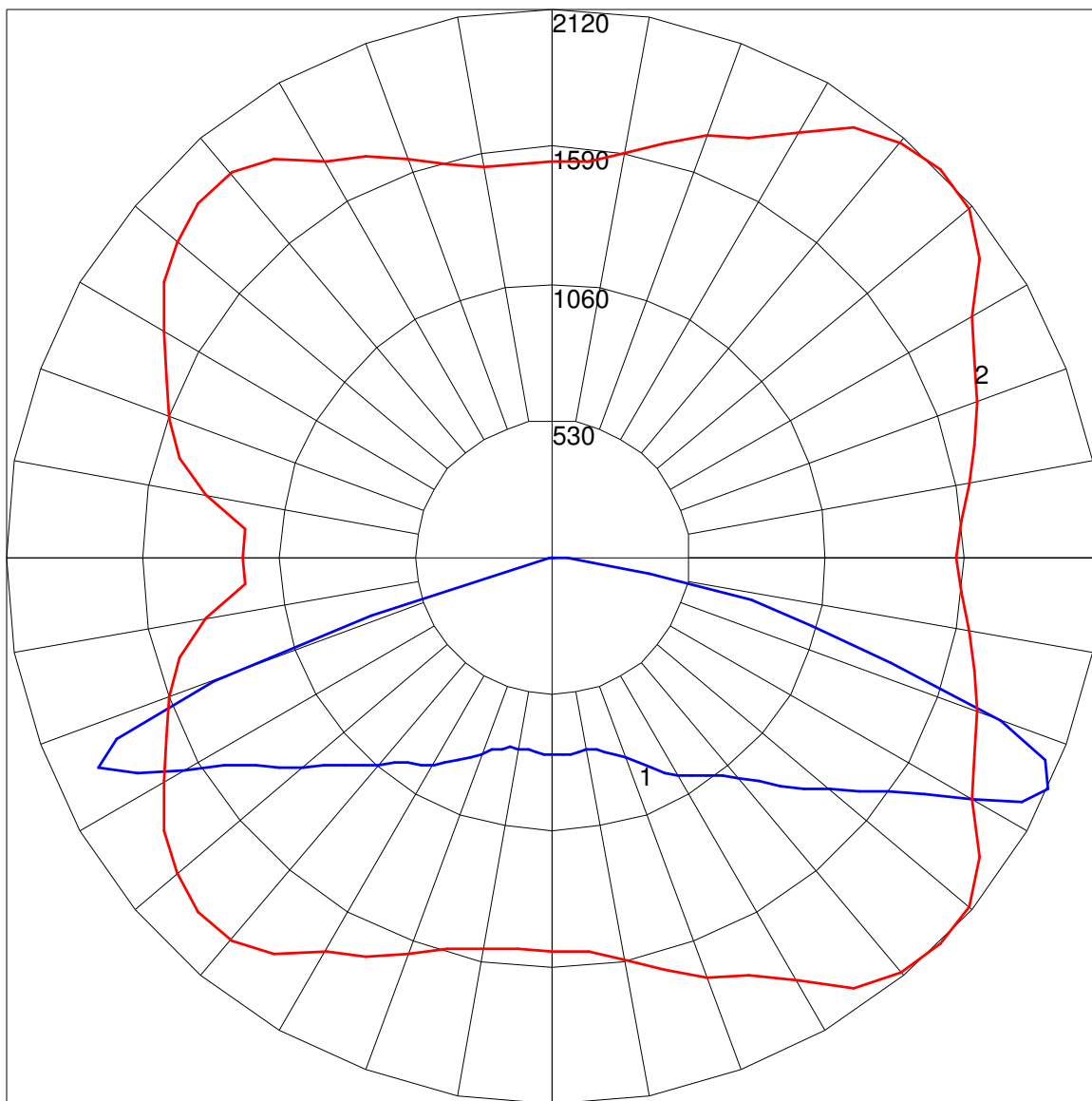
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

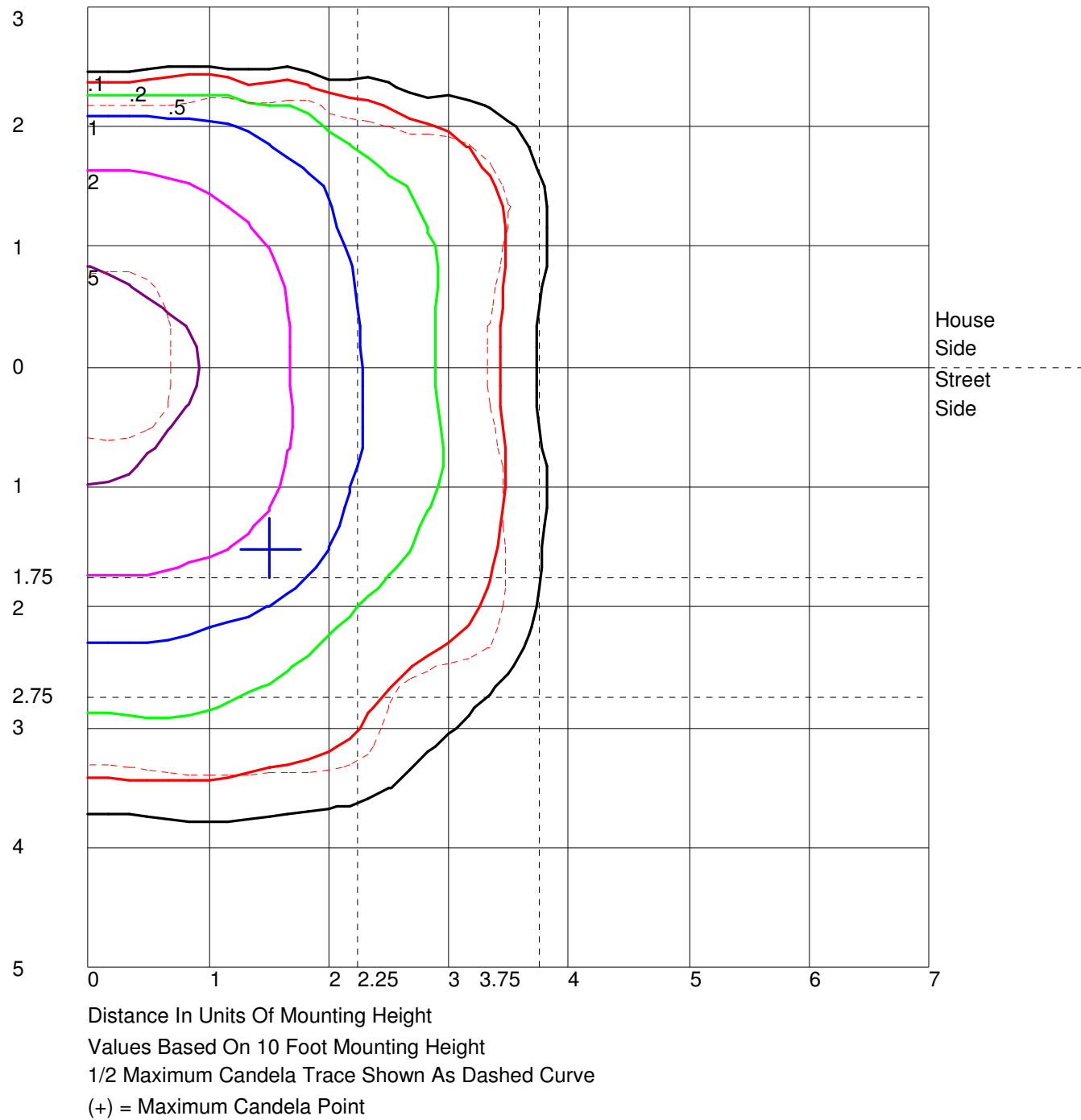
	Lumens	Percent Of Luminaire
Downward Street Side	3328.8	54.8
Downward House Side	2742.5	45.2
Downward Total	6071.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6071.3	100.0

POLAR GRAPH

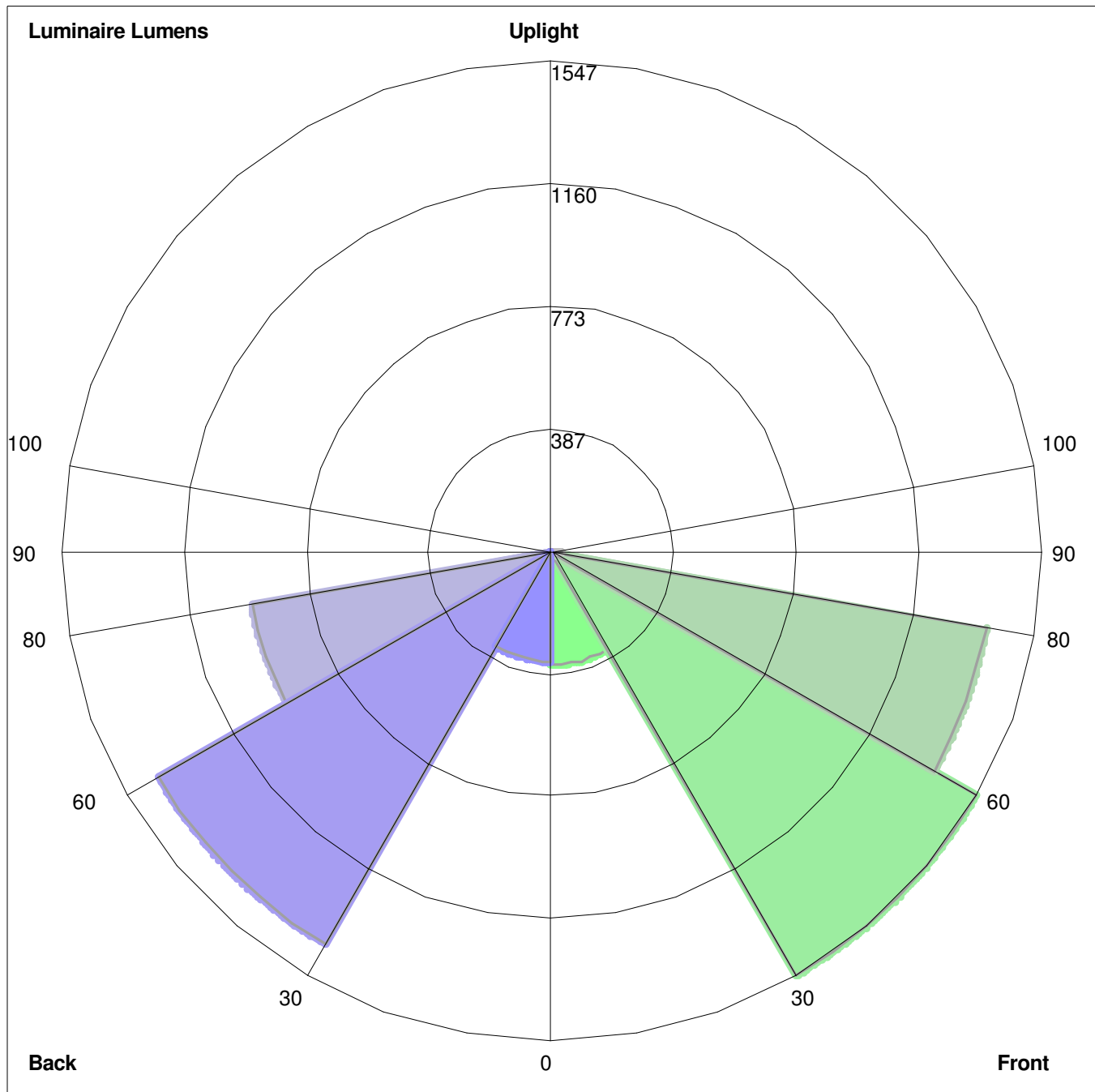


Maximum Candela = 2120.012 Located At Horizontal Angle = 45, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
 Front: Low=357.4, Medium=1546.6, High=1393.2, Very High=31.6
 Back: Low=346.4, Medium=1430.1, High=961.3, Very High=4.7
 Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2