



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-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-L60-840-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	5699
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1568.317
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	1568.317
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	434.269 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L60-840-TFT-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	396.7	N.A.	7.0
FM - Front-Medium (30-60)	1583.9	N.A.	27.8
FH - Front-High (60-80)	1006.1	N.A.	17.7
FVH - Front-Very High (80-90)	77.0	N.A.	1.4
BL - Back-Low (0-30)	384.2	N.A.	6.7
BM - Back-Medium (30-60)	1501.1	N.A.	26.3
BH - Back-High (60-80)	734.1	N.A.	12.9
BVH - Back-Very High (80-90)	16.0	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	5699.1	N.A.	100.0
BUG Rating	B2-U0-G2		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : VWPX-L60-840-TFT-XXX-SDGL-DIM-UNV\_.IES**

**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0.0</b>	<b>5.0</b>	<b>10.0</b>	<b>15.0</b>	<b>20.0</b>	<b>25.0</b>	<b>30.0</b>	<b>35.0</b>	<b>40.0</b>	<b>45.0</b>
<b>0.0</b>	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537
<b>2.5</b>	877.537	875.287	870.787	866.287	866.287	866.287	868.537	864.037	864.037	861.787
<b>5.0</b>	864.037	861.787	857.287	852.786	850.536	850.536	850.536	848.286	846.036	848.286
<b>7.5</b>	886.538	882.038	877.537	870.787	864.037	861.787	861.787	857.287	850.536	848.286
<b>10.0</b>	873.037	868.537	861.787	852.786	850.536	855.037	859.537	861.787	861.787	864.037
<b>12.5</b>	886.538	879.788	868.537	864.037	861.787	868.537	868.537	866.287	859.537	861.787
<b>15.0</b>	888.788	884.288	875.287	877.537	882.038	888.788	888.788	888.788	879.788	877.537
<b>17.5</b>	913.539	909.039	897.788	900.038	900.038	904.539	906.789	909.039	904.539	909.039
<b>20.0</b>	936.040	927.040	918.039	920.289	924.789	927.040	938.290	938.290	938.290	940.540
<b>22.5</b>	969.791	963.041	956.291	956.291	947.290	954.041	956.291	967.541	972.042	969.791
<b>25.0</b>	1003.543	996.793	994.542	992.292	983.292	987.792	985.542	992.292	996.793	1001.293
<b>27.5</b>	1057.545	1053.045	1044.045	1035.044	1023.794	1019.294	1014.793	1030.544	1035.044	1026.044
<b>30.0</b>	1102.547	1098.047	1093.547	1084.546	1077.796	1062.045	1057.545	1064.295	1059.795	1062.045
<b>32.5</b>	1156.549	1158.799	1156.549	1143.049	1122.798	1111.547	1100.297	1102.547	1095.797	1091.297
<b>35.0</b>	1224.052	1224.052	1219.552	1206.052	1179.050	1167.800	1156.549	1145.299	1145.299	1136.299
<b>37.5</b>	1293.805	1284.805	1275.804	1266.804	1242.053	1226.302	1206.052	1206.052	1188.051	1185.801
<b>40.0</b>	1356.808	1352.308	1338.807	1336.557	1302.806	1291.555	1275.804	1264.554	1246.553	1244.303
<b>42.5</b>	1399.560	1401.810	1390.559	1399.560	1374.809	1368.058	1347.808	1329.807	1316.306	1300.556
<b>45.0</b>	1446.812	1453.562	1442.312	1453.562	1440.061	1442.312	1422.061	1401.810	1379.309	1377.059
<b>47.5</b>	1491.814	1498.564	1496.314	1500.814	1491.814	1494.064	1471.563	1464.813	1442.312	1444.562
<b>50.0</b>	1503.064	1514.315	1518.815	1516.565	1521.065	1521.065	1518.815	1505.314	1505.314	1489.564
<b>52.5</b>	1482.813	1496.314	1500.814	1505.314	1532.315	1532.315	1536.816	1527.815	1530.065	1530.065
<b>55.0</b>	1453.562	1464.813	1469.313	1485.063	1523.315	1523.315	1534.566	1543.566	1550.316	1557.066
<b>57.5</b>	1397.310	1408.560	1426.561	1458.062	1482.813	1491.814	1525.565	1536.816	1554.816	1557.066
<b>60.0</b>	1336.557	1345.557	1363.558	1397.310	1419.811	1453.562	1487.314	1514.315	1532.315	1541.316
<b>62.5</b>	1244.303	1264.554	1280.305	1311.806	1352.308	1386.059	1417.561	1449.062	1487.314	1496.314
<b>65.0</b>	1145.299	1161.050	1179.050	1215.052	1251.053	1287.055	1320.806	1354.558	1401.810	1419.811
<b>67.5</b>	1030.544	1035.044	1057.545	1089.047	1116.048	1149.799	1185.801	1226.302	1278.055	1298.305
<b>70.0</b>	884.288	884.288	904.539	933.790	954.041	987.792	1026.044	1066.546	1111.547	1143.049
<b>72.5</b>	720.031	720.031	738.032	767.283	787.534	816.785	864.037	886.538	931.540	960.791
<b>75.0</b>	558.024	558.024	578.275	607.526	627.777	650.278	695.280	722.281	753.782	774.033
<b>77.5</b>	411.768	411.768	429.768	456.770	474.770	495.021	531.023	553.524	573.775	594.025
<b>80.0</b>	283.512	281.262	297.013	317.264	330.764	351.015	380.266	391.517	405.017	420.768
<b>82.5</b>	173.257	171.007	184.508	193.508	209.259	218.259	238.510	245.260	254.261	263.261
<b>85.0</b>	83.254	81.003	90.004	92.254	103.504	105.755	119.255	126.005	126.005	130.506
<b>87.5</b>	22.501	22.501	24.751	24.751	29.251	27.001	33.751	36.002	36.002	38.252
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>50.0</b>	<b>52.5</b>	<b>55.0</b>	<b>60.0</b>	<b>65.0</b>	<b>70.0</b>	<b>75.0</b>	<b>80.0</b>	<b>85.0</b>	<b>90.0</b>
<b>0.0</b>	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537
<b>2.5</b>	861.787	861.787	864.037	866.287	866.287	864.037	861.787	859.537	859.537	857.287
<b>5.0</b>	850.536	852.786	855.037	859.537	864.037	864.037	864.037	861.787	857.287	852.786
<b>7.5</b>	848.286	848.286	848.286	850.536	857.287	861.787	864.037	864.037	861.787	857.287
<b>10.0</b>	861.787	857.287	855.037	848.286	846.036	850.536	857.287	859.537	857.287	850.536
<b>12.5</b>	868.537	868.537	868.537	859.537	850.536	852.786	855.037	864.037	864.037	859.537
<b>15.0</b>	877.537	879.788	882.038	891.038	884.288	879.788	873.037	879.788	877.537	868.537
<b>17.5</b>	911.289	906.789	904.539	902.289	902.289	893.288	886.538	888.788	888.788	882.038
<b>20.0</b>	938.290	936.040	931.540	920.289	913.539	913.539	904.539	904.539	911.289	906.789
<b>22.5</b>	963.041	956.291	956.291	954.041	945.040	945.040	933.790	929.290	936.040	933.790
<b>25.0</b>	994.542	992.292	987.792	987.792	976.542	972.042	967.541	960.791	967.541	969.791
<b>27.5</b>	1028.294	1026.044	1021.544	1012.543	1010.293	1005.793	1003.543	1008.043	1010.293	1010.293

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-TFT-XXX-SDGL-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

30.0	1059.795	1055.295	1048.545	1048.545	1044.045	1048.545	1048.545	1059.795	1062.045	1062.045
32.5	1084.546	1082.296	1082.296	1091.297	1095.797	1086.796	1093.547	1102.547	1102.547	1107.047
35.0	1134.048	1131.798	1127.298	1136.299	1134.048	1143.049	1152.049	1158.799	1158.799	1174.550
37.5	1181.300	1181.300	1181.300	1188.051	1188.051	1206.052	1215.052	1212.802	1219.552	1226.302
40.0	1239.803	1242.053	1244.303	1248.803	1248.803	1266.804	1278.055	1280.305	1291.555	1293.805
42.5	1311.806	1314.056	1311.806	1316.306	1318.556	1341.057	1343.307	1347.808	1347.808	1350.058
45.0	1374.809	1377.059	1374.809	1377.059	1388.309	1404.060	1404.060	1399.560	1399.560	1397.310
47.5	1437.811	1435.561	1433.311	1440.061	1442.312	1449.062	1444.562	1442.312	1433.311	1435.561
50.0	1491.814	1489.564	1489.564	1491.814	1489.564	1496.314	1487.314	1471.563	1460.312	1462.562
52.5	1527.815	1530.065	1530.065	1521.065	1518.815	1514.315	1498.564	1487.314	1469.313	1464.813
55.0	1552.566	1559.317	1557.066	1543.566	1530.065	1518.815	1494.064	1482.813	1460.312	1453.562
57.5	1563.817	1568.317	1563.817	1541.316	1523.315	1505.314	1476.063	1449.062	1428.811	1417.561
60.0	1550.316	1550.316	1548.066	1514.315	1498.564	1473.813	1435.561	1408.560	1370.309	1363.558
62.5	1514.315	1512.065	1505.314	1485.063	1449.062	1426.561	1383.809	1347.808	1311.806	1302.806
65.0	1437.811	1437.811	1433.311	1419.811	1374.809	1350.058	1314.056	1271.304	1237.553	1217.302
67.5	1314.056	1318.556	1320.806	1300.556	1271.304	1239.803	1203.801	1163.300	1138.549	1113.798
70.0	1158.799	1163.300	1165.550	1149.799	1125.048	1107.047	1066.546	1030.544	1003.543	976.542
72.5	981.042	983.292	983.292	972.042	951.791	936.040	904.539	868.537	839.286	814.535
75.0	787.534	787.534	796.534	783.033	774.033	749.282	731.281	684.029	654.778	632.277
77.5	598.526	609.776	609.776	594.025	585.025	567.024	546.773	506.272	481.521	472.520
80.0	423.018	434.269	423.018	418.518	411.768	393.767	380.266	351.015	333.014	328.514
82.5	265.511	274.512	267.761	263.261	265.511	247.511	240.760	220.509	211.509	209.259
85.0	132.756	139.506	141.756	132.756	137.256	126.005	126.005	114.755	110.255	110.255
87.5	38.252	42.752	45.002	40.502	45.002	40.502	42.752	38.252	40.502	40.502
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	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537
2.5	855.037	852.786	852.786	852.786	852.786	852.786	852.786	852.786	850.536	850.536
5.0	850.536	846.036	846.036	846.036	846.036	850.536	857.287	859.537	864.037	866.287
7.5	855.037	850.536	850.536	852.786	857.287	864.037	868.537	864.037	859.537	857.287
10.0	846.036	846.036	852.786	859.537	864.037	861.787	859.537	852.786	848.286	848.286
12.5	852.786	857.287	861.787	861.787	855.037	850.536	850.536	848.286	857.287	861.787
15.0	861.787	868.537	873.037	868.537	864.037	859.537	864.037	866.287	866.287	861.787
17.5	870.787	873.037	877.537	873.037	873.037	882.038	888.788	888.788	886.538	884.288
20.0	902.289	895.538	895.538	893.288	900.038	897.788	902.289	904.539	911.289	909.039
22.5	933.790	929.290	920.289	918.039	920.289	920.289	927.040	927.040	927.040	924.789
25.0	969.791	963.041	951.791	947.290	951.791	951.791	956.291	951.791	951.791	945.040
27.5	1003.543	996.793	992.292	990.042	981.042	985.542	978.792	976.542	978.792	972.042
30.0	1055.295	1048.545	1046.295	1030.544	1014.793	1014.793	1010.293	1005.793	1003.543	992.292
32.5	1104.797	1100.297	1095.797	1082.296	1064.295	1050.795	1046.295	1039.544	1037.294	1021.544
35.0	1172.300	1161.050	1152.049	1136.299	1116.048	1095.797	1082.296	1073.296	1066.546	1050.795
37.5	1226.302	1219.552	1208.302	1197.051	1165.550	1143.049	1127.298	1111.547	1100.297	1086.796
40.0	1293.805	1291.555	1278.055	1253.304	1226.302	1206.052	1183.551	1158.799	1138.549	1131.798
42.5	1356.808	1354.558	1341.057	1329.807	1298.305	1269.054	1237.553	1221.802	1197.051	1190.301
45.0	1404.060	1401.810	1399.560	1383.809	1354.558	1334.307	1305.056	1284.805	1253.304	1253.304
47.5	1435.561	1435.561	1444.562	1433.311	1406.310	1386.059	1365.808	1345.557	1332.057	1318.556
50.0	1471.563	1467.063	1471.563	1473.813	1464.813	1437.811	1428.811	1419.811	1392.809	1386.059
52.5	1482.813	1482.813	1498.564	1512.065	1503.064	1489.564	1476.063	1471.563	1455.812	1440.061
55.0	1469.313	1487.314	1512.065	1521.065	1525.565	1523.315	1512.065	1505.314	1487.314	1471.563
57.5	1442.312	1464.813	1494.064	1512.065	1518.815	1527.815	1518.815	1512.065	1500.814	1471.563
60.0	1392.809	1413.060	1451.312	1480.563	1487.314	1503.064	1503.064	1489.564	1471.563	1444.562
62.5	1320.806	1352.308	1388.309	1415.310	1444.562	1446.812	1460.312	1446.812	1426.561	1401.810
65.0	1235.303	1269.054	1302.806	1327.557	1354.558	1368.058	1379.309	1368.058	1341.057	1316.306

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-TFT-XXX-SDGL-DIM-UNV\_.IES

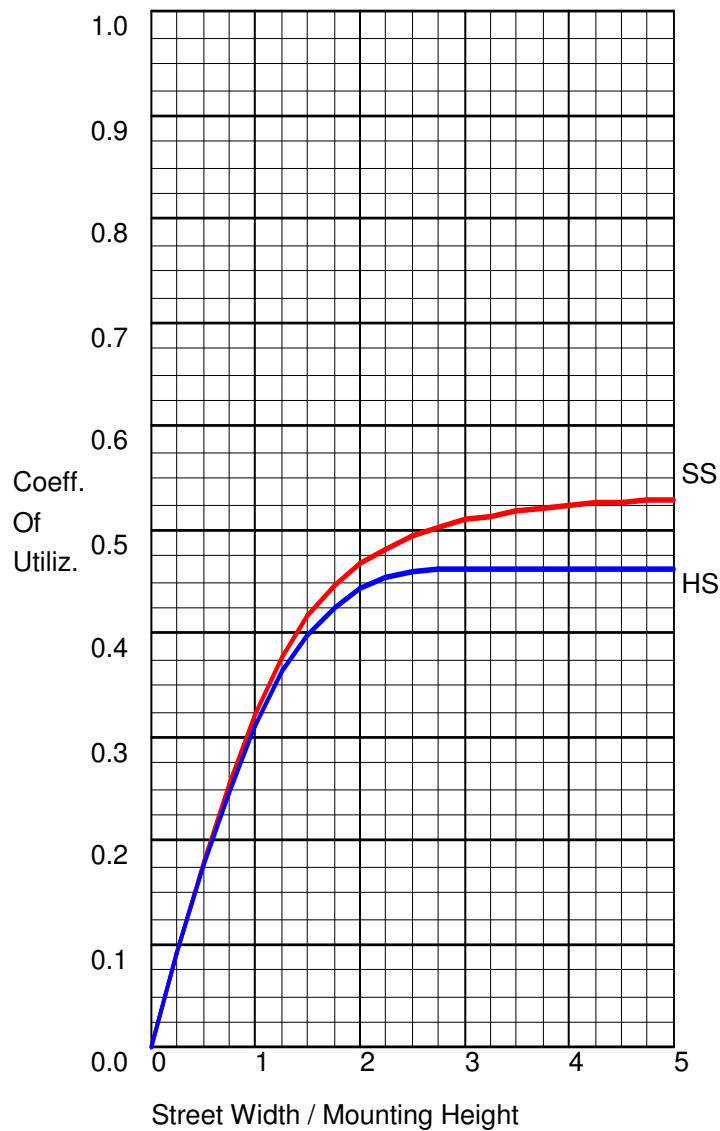
## CANDELA TABULATION - (Cont.)

67.5	1129.548	1158.799	1188.051	1210.552	1237.553	1242.053	1246.553	1235.303	1208.302	1170.050
70.0	992.292	1012.543	1048.545	1066.546	1093.547	1077.796	1084.546	1073.296	1030.544	938.290
72.5	830.285	852.786	877.537	888.788	909.039	884.288	879.788	877.537	760.532	391.517
75.0	643.527	668.279	690.779	706.530	699.780	560.274	519.772	490.521	123.755	11.250
77.5	474.770	492.771	513.022	510.772	387.017	240.760	148.506	13.501	4.500	2.250
80.0	333.014	344.265	355.515	256.511	49.502	13.501	4.500	2.250	2.250	0.000
82.5	211.509	218.259	218.259	96.754	6.750	2.250	2.250	2.250	0.000	0.000
85.0	112.505	112.505	87.754	13.501	2.250	0.000	0.000	0.000	0.000	0.000
87.5	40.502	36.002	6.750	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	859.537	859.537	859.537	859.537	859.537	859.537	859.537	859.537
2.5	850.536	855.037	857.287	861.787	859.537	857.287	855.037	852.786
5.0	868.537	870.787	873.037	875.287	873.037	868.537	861.787	861.787
7.5	855.037	855.037	859.537	859.537	855.037	848.286	843.786	839.286
10.0	848.286	850.536	857.287	861.787	861.787	855.037	848.286	843.786
12.5	864.037	861.787	859.537	859.537	861.787	855.037	846.036	841.536
15.0	866.287	868.537	868.537	868.537	866.287	861.787	855.037	850.536
17.5	886.538	884.288	879.788	875.287	868.537	868.537	866.287	861.787
20.0	904.539	897.788	886.538	888.788	882.038	882.038	875.287	873.037
22.5	922.539	911.289	906.789	909.039	904.539	904.539	897.788	897.788
25.0	945.040	938.290	929.290	922.539	927.040	931.540	922.539	924.789
27.5	967.541	958.541	958.541	954.041	954.041	954.041	942.790	947.290
30.0	994.542	987.792	978.792	974.292	987.792	999.043	987.792	999.043
32.5	1012.543	1019.294	1010.293	1012.543	1012.543	1023.794	1028.294	1044.045
35.0	1044.045	1046.295	1041.794	1055.295	1062.045	1077.796	1086.796	1091.297
37.5	1080.046	1080.046	1091.297	1100.297	1102.547	1122.798	1136.299	1138.549
40.0	1127.298	1122.798	1145.299	1158.799	1167.800	1183.551	1201.551	1199.301
42.5	1181.300	1176.800	1197.051	1212.802	1228.552	1253.304	1269.054	1269.054
45.0	1246.553	1242.053	1257.804	1282.555	1287.055	1302.806	1323.056	1329.807
47.5	1316.306	1307.306	1323.056	1341.057	1347.808	1356.808	1377.059	1381.559
50.0	1383.809	1372.559	1379.309	1395.060	1401.810	1408.560	1415.310	1417.561
52.5	1433.311	1419.811	1413.060	1417.561	1419.811	1417.561	1415.310	1415.310
55.0	1444.562	1422.061	1406.310	1401.810	1397.310	1390.559	1379.309	1377.059
57.5	1426.561	1408.560	1381.559	1363.558	1350.058	1336.557	1323.056	1323.056
60.0	1399.560	1368.058	1341.057	1318.556	1289.305	1269.054	1242.053	1248.803
62.5	1354.558	1314.056	1275.804	1242.053	1199.301	1167.800	1134.048	1134.048
65.0	1266.804	1210.552	1149.799	1089.047	996.793	936.040	852.786	850.536
67.5	1102.547	987.792	816.785	616.526	380.266	270.012	135.006	135.006
70.0	713.280	398.267	94.504	20.251	11.250	9.000	9.000	9.000
72.5	56.252	13.501	6.750	6.750	4.500	4.500	4.500	4.500
75.0	6.750	4.500	2.250	2.250	2.250	2.250	2.250	2.250
77.5	2.250	2.250	2.250	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

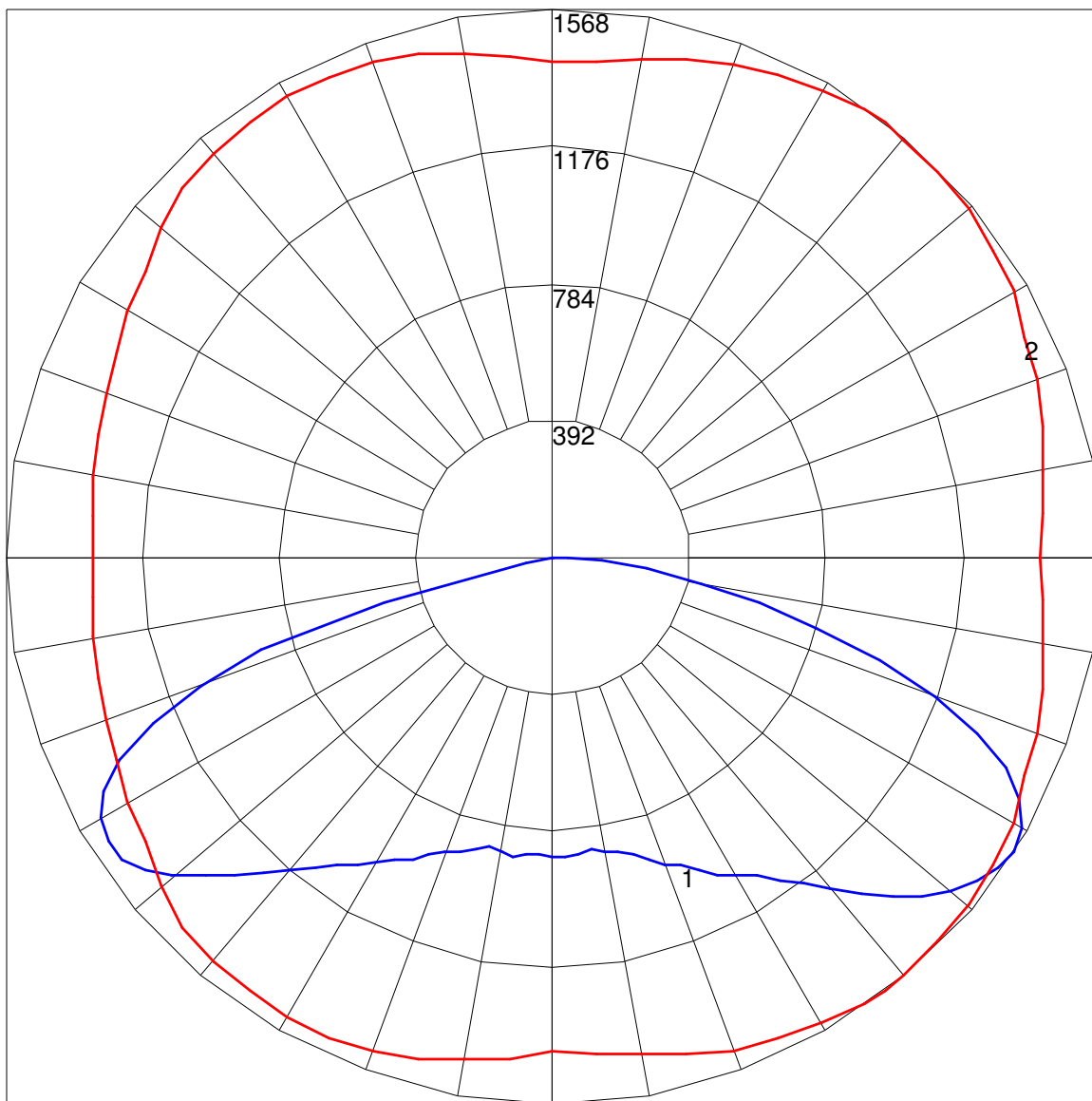
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

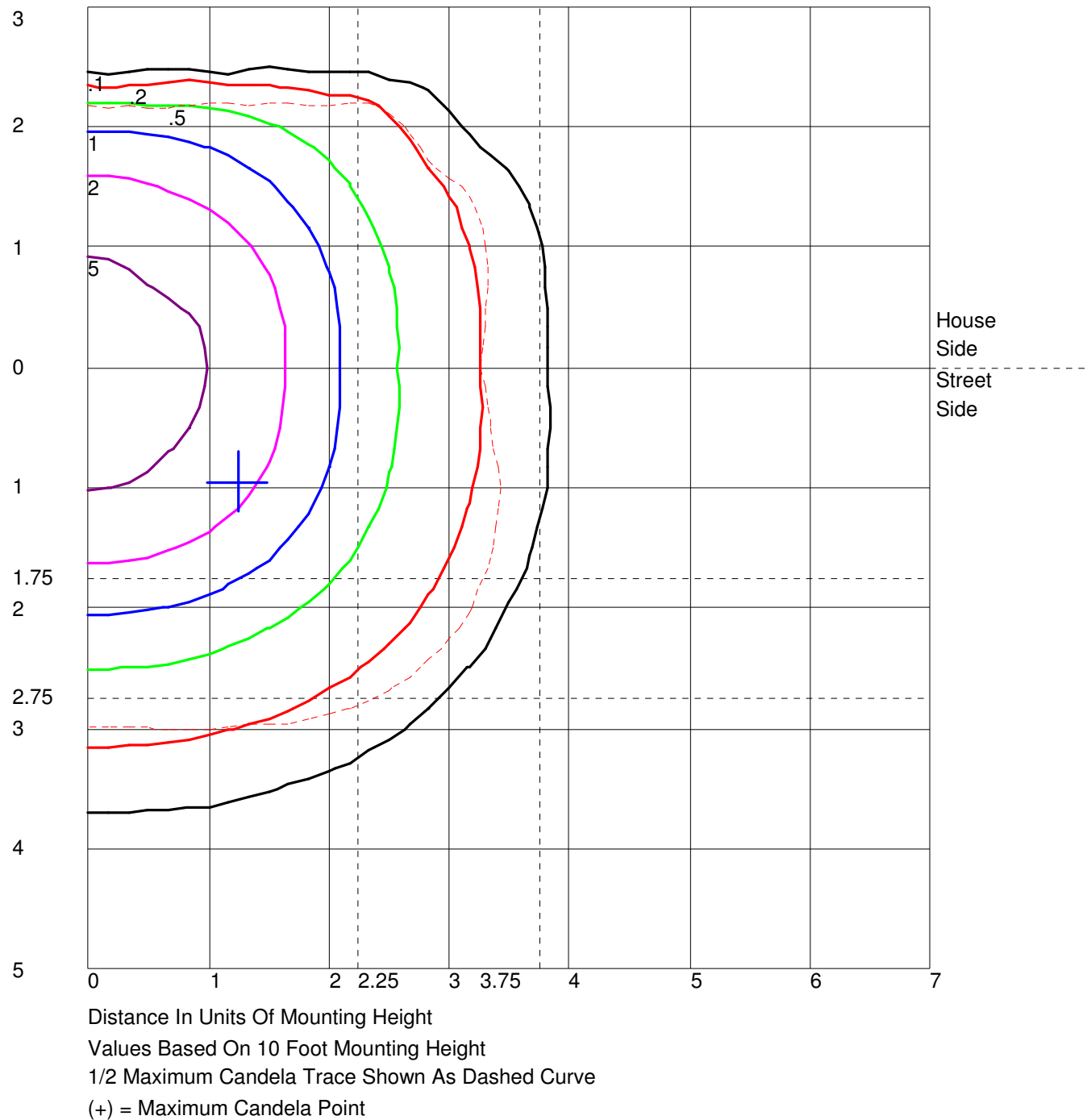
	Lumens	Percent Of Luminaire
Downward Street Side	3063.7	53.8
Downward House Side	2635.3	46.2
Downward Total	5699.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5699.0	100.0

POLAR GRAPH



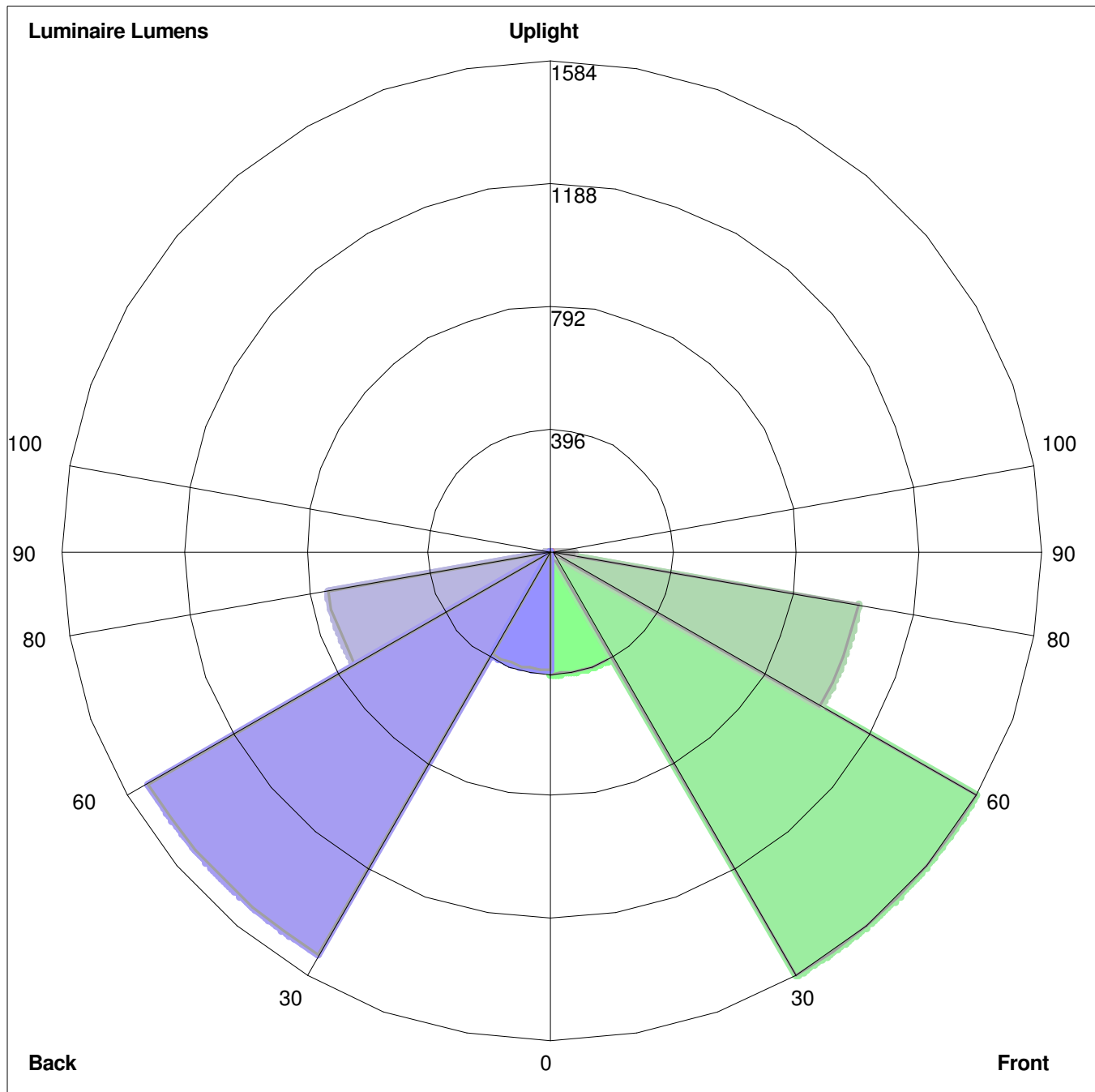
Maximum Candela = 1568.317 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5  
# 1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=396.7, Medium=1583.9, High=1006.1, Very High=77.0  
Back: Low=384.2, Medium=1501.1, High=734.1, Very High=16.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2