



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-730-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-L60-730-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	5950
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1637.254
Maximum Candela Angle	52.5H 57.5V
Maximum Candela (<90 Degrees Vertical)	1637.254
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	453.357 (7.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	414.1	N.A.	7.0
FM - Front-Medium (30-60)	1653.5	N.A.	27.8
FH - Front-High (60-80)	1050.4	N.A.	17.7
FVH - Front-Very High (80-90)	80.4	N.A.	1.4
BL - Back-Low (0-30)	401.1	N.A.	6.7
BM - Back-Medium (30-60)	1567.1	N.A.	26.3
BH - Back-High (60-80)	766.3	N.A.	12.9
BVH - Back-Very High (80-90)	16.7	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	5949.6	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	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319
2.5	916.111	913.762	909.064	904.366	904.366	904.366	906.715	902.017	902.017	899.668
5.0	902.017	899.668	894.970	890.272	887.923	887.923	887.923	885.574	883.225	885.574
7.5	925.507	920.809	916.111	909.064	902.017	899.668	899.668	894.970	887.923	885.574
10.0	911.413	906.715	899.668	890.272	887.923	892.621	897.319	899.668	899.668	902.017
12.5	925.507	918.460	906.715	902.017	899.668	906.715	906.715	904.366	897.319	899.668
15.0	927.856	923.158	913.762	916.111	920.809	927.856	927.856	927.856	918.460	916.111
17.5	953.695	948.997	937.252	939.601	939.601	944.299	946.648	948.997	944.299	948.997
20.0	977.185	967.789	958.393	960.742	965.440	967.789	979.534	979.534	979.534	981.883
22.5	1012.420	1005.373	998.326	998.326	988.930	995.977	998.326	1010.071	1014.769	1012.420
25.0	1047.655	1040.608	1038.259	1035.910	1026.514	1031.212	1028.863	1035.910	1040.608	1045.306
27.5	1104.031	1099.333	1089.937	1080.541	1068.796	1064.098	1059.400	1075.843	1080.541	1071.145
30.0	1151.011	1146.313	1141.615	1132.219	1125.172	1108.729	1104.031	1111.078	1106.380	1108.729
32.5	1207.387	1209.736	1207.387	1193.293	1172.152	1160.407	1148.662	1151.011	1143.964	1139.266
35.0	1277.857	1277.857	1273.159	1259.065	1230.877	1219.132	1207.387	1195.642	1195.642	1186.246
37.5	1350.676	1341.280	1331.884	1322.488	1296.649	1280.206	1259.065	1259.065	1240.273	1237.924
40.0	1416.448	1411.750	1397.656	1395.307	1360.072	1348.327	1331.884	1320.139	1301.347	1298.998
42.5	1461.079	1463.428	1451.683	1461.079	1435.240	1428.193	1407.052	1388.260	1374.166	1357.723
45.0	1510.408	1517.455	1505.710	1517.455	1503.361	1505.710	1484.569	1463.428	1439.938	1437.589
47.5	1557.388	1564.435	1562.086	1566.784	1557.388	1559.737	1536.247	1529.200	1505.710	1508.059
50.0	1569.133	1580.878	1585.576	1583.227	1587.925	1587.925	1585.576	1571.482	1571.482	1555.039
52.5	1547.992	1562.086	1566.784	1571.482	1599.670	1599.670	1604.368	1594.972	1597.321	1597.321
55.0	1517.455	1529.200	1533.898	1550.341	1590.274	1590.274	1602.019	1611.415	1618.462	1625.509
57.5	1458.730	1470.475	1489.267	1522.153	1547.992	1557.388	1592.623	1604.368	1623.160	1625.509
60.0	1395.307	1404.703	1423.495	1458.730	1482.220	1517.455	1552.690	1580.878	1599.670	1609.066
62.5	1298.998	1320.139	1336.582	1369.468	1411.750	1446.985	1479.871	1512.757	1552.690	1562.086
65.0	1195.642	1212.085	1230.877	1268.461	1306.045	1343.629	1378.864	1414.099	1463.428	1482.220
67.5	1075.843	1080.541	1104.031	1136.917	1165.105	1200.340	1237.924	1280.206	1334.233	1355.374
70.0	923.158	923.158	944.299	974.836	995.977	1031.212	1071.145	1113.427	1160.407	1193.293
72.5	751.681	751.681	770.473	801.010	822.151	852.688	902.017	925.507	972.487	1003.024
75.0	582.552	582.552	603.693	634.231	655.372	678.862	725.842	754.030	786.916	808.057
77.5	429.867	429.867	448.659	476.847	495.639	516.780	554.364	577.854	598.995	620.136
80.0	295.974	293.625	310.068	331.209	345.303	366.444	396.981	408.726	422.820	439.263
82.5	180.873	178.524	192.618	202.014	218.457	227.853	248.994	256.041	265.437	274.833
85.0	86.913	84.564	93.960	96.309	108.054	110.403	124.497	131.544	131.544	136.242
87.5	23.490	23.490	25.839	25.839	30.537	28.188	35.235	37.584	37.584	39.933
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	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319
2.5	899.668	899.668	902.017	904.366	904.366	902.017	899.668	897.319	897.319	894.970
5.0	887.923	890.272	892.621	897.319	902.017	902.017	902.017	899.668	894.970	890.272
7.5	885.574	885.574	885.574	887.923	894.970	899.668	902.017	902.017	899.668	894.970
10.0	899.668	894.970	892.621	885.574	883.225	887.923	894.970	897.319	894.970	887.923
12.5	906.715	906.715	906.715	897.319	887.923	890.272	892.621	902.017	902.017	897.319
15.0	916.111	918.460	920.809	930.205	923.158	918.460	911.413	918.460	916.111	906.715
17.5	951.346	946.648	944.299	941.950	941.950	932.554	925.507	927.856	927.856	920.809
20.0	979.534	977.185	972.487	960.742	953.695	953.695	944.299	944.299	951.346	946.648
22.5	1005.373	998.326	998.326	995.977	986.581	986.581	974.836	970.138	977.185	974.836
25.0	1038.259	1035.910	1031.212	1031.212	1019.467	1014.769	1010.071	1003.024	1010.071	1012.420
27.5	1073.494	1071.145	1066.447	1057.051	1054.702	1050.004	1047.655	1052.353	1054.702	1054.702

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CANDELA TABULATION - (Cont.)

30.0	1106.380	1101.682	1094.635	1094.635	1089.937	1094.635	1094.635	1106.380	1108.729	1108.729
32.5	1132.219	1129.870	1129.870	1139.266	1143.964	1134.568	1141.615	1151.011	1151.011	1155.709
35.0	1183.897	1181.548	1176.850	1186.246	1183.897	1193.293	1202.689	1209.736	1209.736	1226.179
37.5	1233.226	1233.226	1233.226	1240.273	1240.273	1259.065	1268.461	1266.112	1273.159	1280.206
40.0	1294.300	1296.649	1298.998	1303.696	1303.696	1322.488	1334.233	1336.582	1348.327	1350.676
42.5	1369.468	1371.817	1369.468	1374.166	1376.515	1400.005	1402.354	1407.052	1407.052	1409.401
45.0	1435.240	1437.589	1435.240	1437.589	1449.334	1465.777	1465.777	1461.079	1461.079	1458.730
47.5	1501.012	1498.663	1496.314	1503.361	1505.710	1512.757	1508.059	1505.710	1496.314	1498.663
50.0	1557.388	1555.039	1555.039	1557.388	1555.039	1562.086	1552.690	1536.247	1524.502	1526.851
52.5	1594.972	1597.321	1597.321	1587.925	1585.576	1580.878	1564.435	1552.690	1533.898	1529.200
55.0	1620.811	1627.858	1625.509	1611.415	1597.321	1585.576	1559.737	1547.992	1524.502	1517.455
57.5	1632.556	1637.254	1632.556	1609.066	1590.274	1571.482	1540.945	1512.757	1491.616	1479.871
60.0	1618.462	1618.462	1616.113	1580.878	1564.435	1538.596	1498.663	1470.475	1430.542	1423.495
62.5	1580.878	1578.529	1571.482	1550.341	1512.757	1489.267	1444.636	1407.052	1369.468	1360.072
65.0	1501.012	1501.012	1496.314	1482.220	1435.240	1409.401	1371.817	1327.186	1291.951	1270.810
67.5	1371.817	1376.515	1378.864	1357.723	1327.186	1294.300	1256.716	1214.434	1188.595	1162.756
70.0	1209.736	1214.434	1216.783	1200.340	1174.501	1155.709	1113.427	1075.843	1047.655	1019.467
72.5	1024.165	1026.514	1026.514	1014.769	993.628	977.185	944.299	906.715	876.178	850.339
75.0	822.151	822.151	831.547	817.453	808.057	782.218	763.426	714.097	683.560	660.070
77.5	624.835	636.580	636.580	620.136	610.740	591.948	570.807	528.525	502.686	493.290
80.0	441.612	453.357	441.612	436.914	429.867	411.075	396.981	366.444	347.652	342.954
82.5	277.182	286.578	279.531	274.833	277.182	258.390	251.343	230.202	220.806	218.457
85.0	138.591	145.638	147.987	138.591	143.289	131.544	131.544	119.799	115.101	115.101
87.5	39.933	44.631	46.980	42.282	46.980	42.282	44.631	39.933	42.282	42.282
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	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319
2.5	892.621	890.272	890.272	890.272	890.272	890.272	890.272	890.272	887.923	887.923
5.0	887.923	883.225	883.225	883.225	883.225	887.923	894.970	897.319	902.017	904.366
7.5	892.621	887.923	887.923	890.272	894.970	902.017	906.715	902.017	897.319	894.970
10.0	883.225	883.225	890.272	897.319	902.017	899.668	897.319	890.272	885.574	885.574
12.5	890.272	894.970	899.668	899.668	892.621	887.923	887.923	885.574	894.970	899.668
15.0	899.668	906.715	911.413	906.715	902.017	897.319	902.017	904.366	904.366	899.668
17.5	909.064	911.413	916.111	911.413	911.413	920.809	927.856	927.856	925.507	923.158
20.0	941.950	934.903	934.903	932.554	939.601	937.252	941.950	944.299	951.346	948.997
22.5	974.836	970.138	960.742	958.393	960.742	960.742	967.789	967.789	967.789	965.440
25.0	1012.420	1005.373	993.628	988.930	993.628	993.628	998.326	993.628	993.628	986.581
27.5	1047.655	1040.608	1035.910	1033.561	1024.165	1028.863	1021.816	1019.467	1021.816	1014.769
30.0	1101.682	1094.635	1092.286	1075.843	1059.400	1059.400	1054.702	1050.004	1047.655	1035.910
32.5	1153.360	1148.662	1143.964	1129.870	1111.078	1096.984	1092.286	1085.239	1082.890	1066.447
35.0	1223.830	1212.085	1202.689	1186.246	1165.105	1143.964	1129.870	1120.474	1113.427	1096.984
37.5	1280.206	1273.159	1261.414	1249.669	1216.783	1193.293	1176.850	1160.407	1148.662	1134.568
40.0	1350.676	1348.327	1334.233	1308.394	1280.206	1259.065	1235.575	1209.736	1188.595	1181.548
42.5	1416.448	1414.099	1400.005	1388.260	1355.374	1324.837	1291.951	1275.508	1249.669	1242.622
45.0	1465.777	1463.428	1461.079	1444.636	1414.099	1392.958	1362.421	1341.280	1308.394	1308.394
47.5	1498.663	1498.663	1508.059	1496.314	1468.126	1446.985	1425.844	1404.703	1390.609	1376.515
50.0	1536.247	1531.549	1536.247	1538.596	1529.200	1501.012	1491.616	1482.220	1454.032	1446.985
52.5	1547.992	1547.992	1564.435	1578.529	1569.133	1555.039	1540.945	1536.247	1519.804	1503.361
55.0	1533.898	1552.690	1578.529	1587.925	1592.623	1590.274	1578.529	1571.482	1552.690	1536.247
57.5	1505.710	1529.200	1559.737	1578.529	1585.576	1594.972	1585.576	1578.529	1566.784	1536.247
60.0	1454.032	1475.173	1515.106	1545.643	1552.690	1569.133	1569.133	1555.039	1536.247	1508.059
62.5	1378.864	1411.750	1449.334	1477.522	1508.059	1510.408	1524.502	1510.408	1489.267	1463.428
65.0	1289.602	1324.837	1360.072	1385.911	1414.099	1428.193	1439.938	1428.193	1400.005	1374.166

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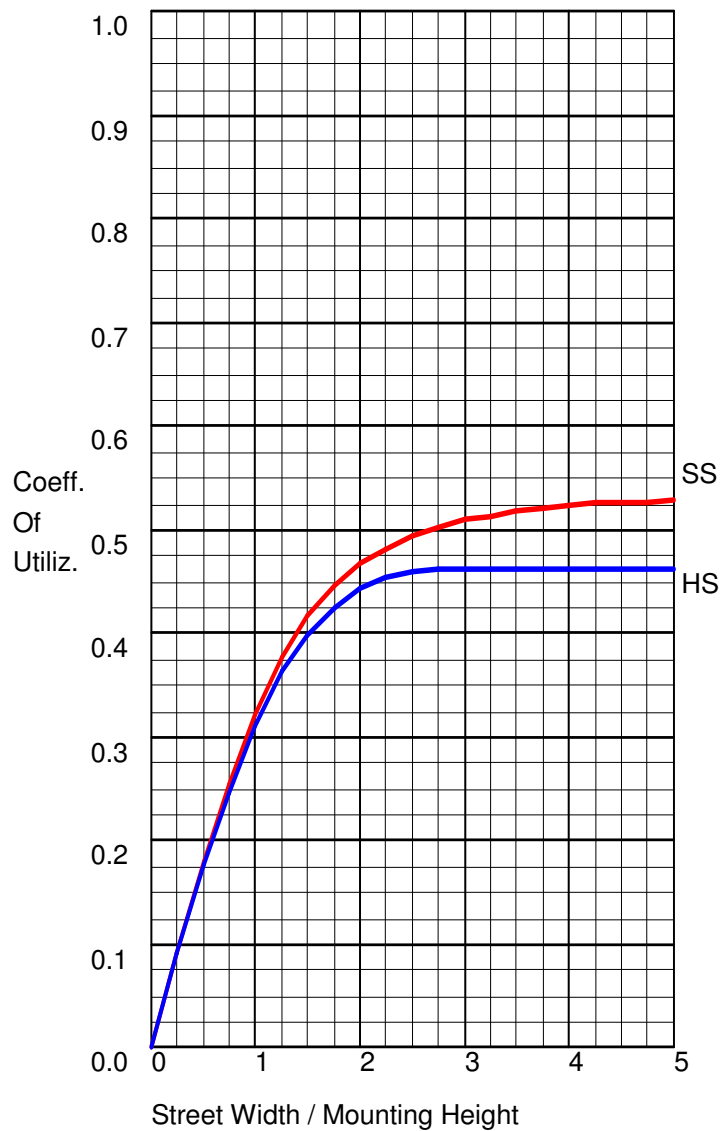
CANDELA TABULATION - (Cont.)

67.5	1179.199	1209.736	1240.273	1263.763	1291.951	1296.649	1301.347	1289.602	1261.414	1221.481
70.0	1035.910	1057.051	1094.635	1113.427	1141.615	1125.172	1132.219	1120.474	1075.843	979.534
72.5	866.782	890.272	916.111	927.856	948.997	923.158	918.460	916.111	793.963	408.726
75.0	671.815	697.654	721.144	737.587	730.540	584.901	542.619	512.082	129.195	11.745
77.5	495.639	514.431	535.572	533.223	404.028	251.343	155.034	14.094	4.698	2.349
80.0	347.652	359.397	371.142	267.786	51.678	14.094	4.698	2.349	2.349	0.000
82.5	220.806	227.853	227.853	101.007	7.047	2.349	2.349	2.349	0.000	0.000
85.0	117.450	117.450	91.611	14.094	2.349	0.000	0.000	0.000	0.000	0.000
87.5	42.282	37.584	7.047	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
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	897.319	897.319	897.319	897.319	897.319	897.319	897.319	897.319
2.5	887.923	892.621	894.970	899.668	897.319	894.970	892.621	890.272
5.0	906.715	909.064	911.413	913.762	911.413	906.715	899.668	899.668
7.5	892.621	892.621	897.319	897.319	892.621	885.574	880.876	876.178
10.0	885.574	887.923	894.970	899.668	899.668	892.621	885.574	880.876
12.5	902.017	899.668	897.319	897.319	899.668	892.621	883.225	878.527
15.0	904.366	906.715	906.715	906.715	904.366	899.668	892.621	887.923
17.5	925.507	923.158	918.460	913.762	906.715	906.715	904.366	899.668
20.0	944.299	937.252	925.507	927.856	920.809	920.809	913.762	911.413
22.5	963.091	951.346	946.648	948.997	944.299	944.299	937.252	937.252
25.0	986.581	979.534	970.138	963.091	967.789	972.487	963.091	965.440
27.5	1010.071	1000.675	1000.675	995.977	995.977	995.977	984.232	988.930
30.0	1038.259	1031.212	1021.816	1017.118	1031.212	1042.957	1031.212	1042.957
32.5	1057.051	1064.098	1054.702	1057.051	1057.051	1068.796	1073.494	1089.937
35.0	1089.937	1092.286	1087.588	1101.682	1108.729	1125.172	1134.568	1139.266
37.5	1127.521	1127.521	1139.266	1148.662	1151.011	1172.152	1186.246	1188.595
40.0	1176.850	1172.152	1195.642	1209.736	1219.132	1235.575	1254.367	1252.018
42.5	1233.226	1228.528	1249.669	1266.112	1282.555	1308.394	1324.837	1324.837
45.0	1301.347	1296.649	1313.092	1338.931	1343.629	1360.072	1381.213	1388.260
47.5	1374.166	1364.770	1381.213	1400.005	1407.052	1416.448	1437.589	1442.287
50.0	1444.636	1432.891	1439.938	1456.381	1463.428	1470.475	1477.522	1479.871
52.5	1496.314	1482.220	1475.173	1479.871	1482.220	1479.871	1477.522	1477.522
55.0	1508.059	1484.569	1468.126	1463.428	1458.730	1451.683	1439.938	1437.589
57.5	1489.267	1470.475	1442.287	1423.495	1409.401	1395.307	1381.213	1381.213
60.0	1461.079	1428.193	1400.005	1376.515	1345.978	1324.837	1296.649	1303.696
62.5	1414.099	1371.817	1331.884	1296.649	1252.018	1219.132	1183.897	1183.897
65.0	1322.488	1263.763	1200.340	1136.917	1040.608	977.185	890.272	887.923
67.5	1151.011	1031.212	852.688	643.627	396.981	281.880	140.940	140.940
70.0	744.634	415.773	98.658	21.141	11.745	9.396	9.396	9.396
72.5	58.725	14.094	7.047	7.047	4.698	4.698	4.698	4.698
75.0	7.047	4.698	2.349	2.349	2.349	2.349	2.349	2.349
77.5	2.349	2.349	2.349	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

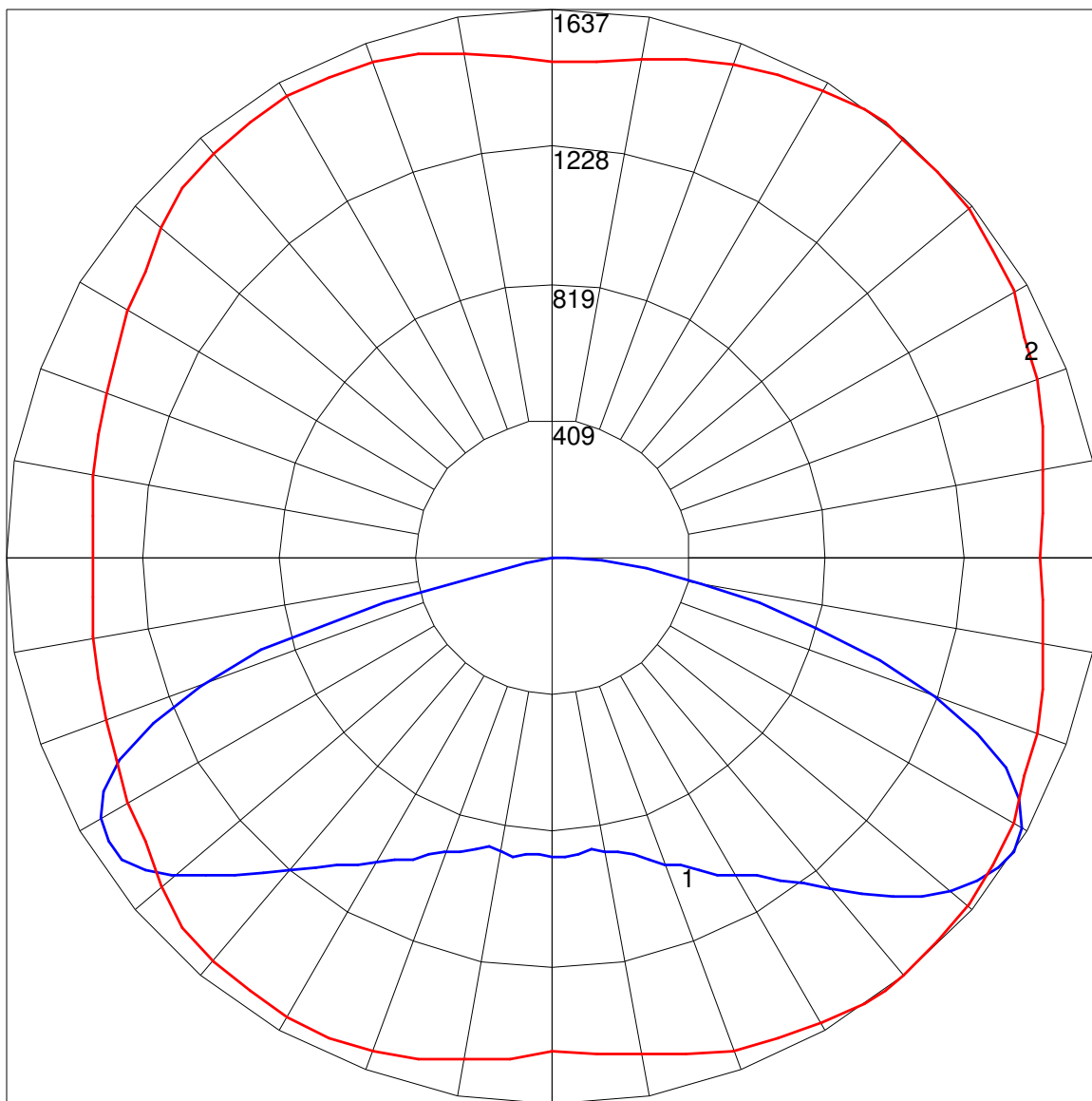
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

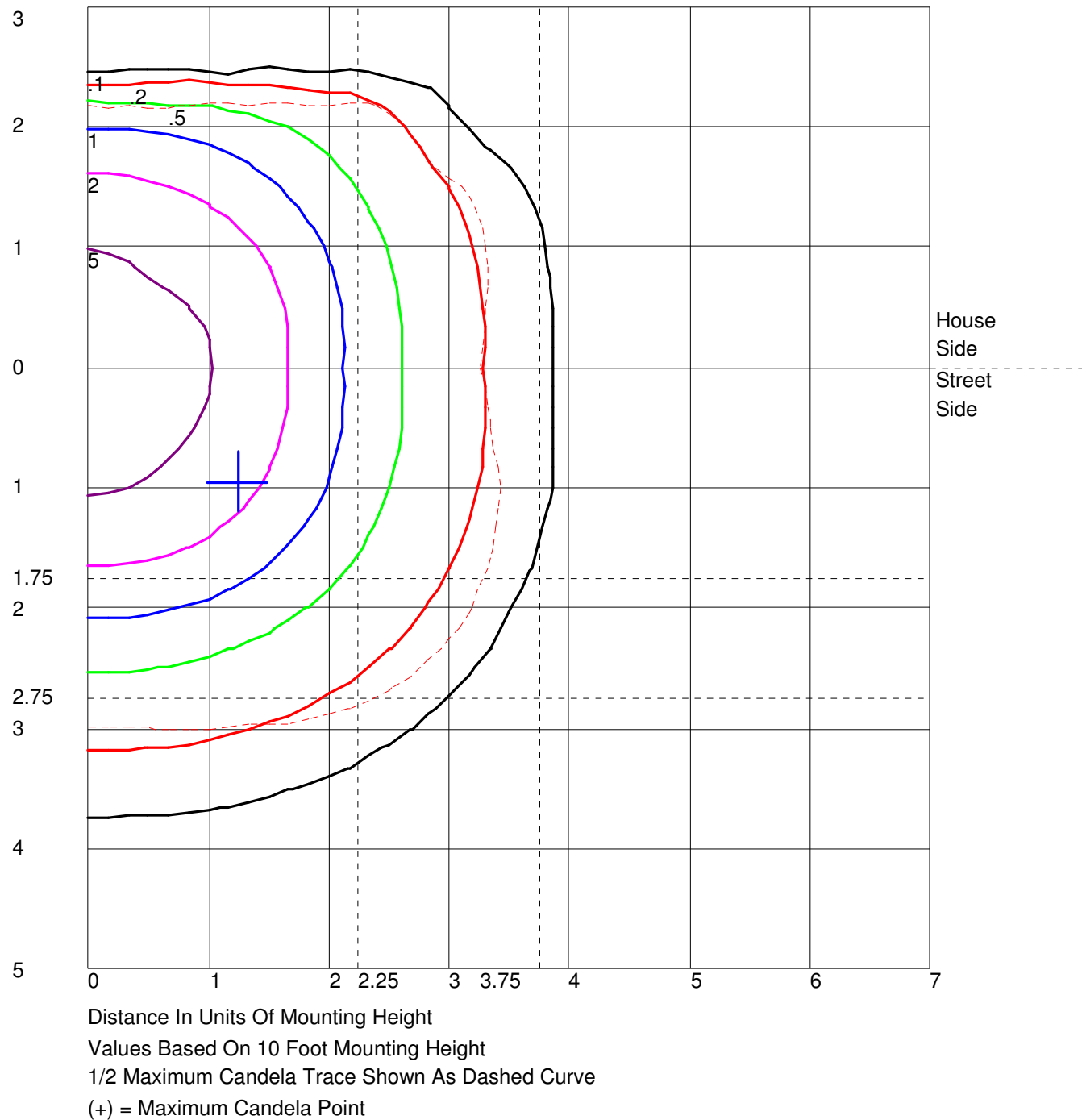
	Lumens	Percent Of Luminaire
Downward Street Side	3198.4	53.8
Downward House Side	2751.2	46.2
Downward Total	5949.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5949.6	100.0

POLAR GRAPH

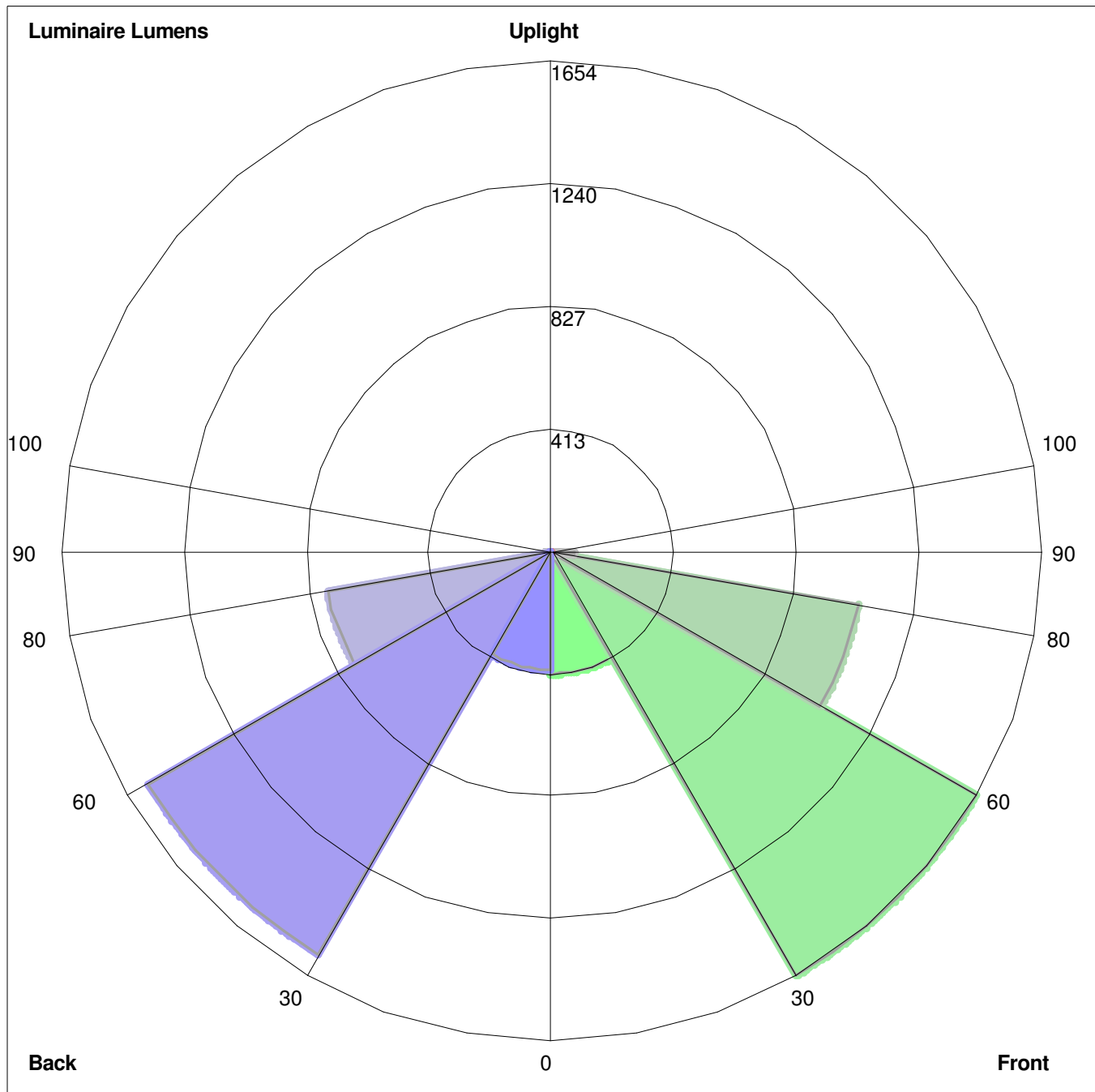


Maximum Candela = 1637.254 Located At Horizontal Angle = 52.5, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (52.5 - 232.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (57.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=414.1, Medium=1653.5, High=1050.4, Very High=80.4
Back: Low=401.1, Medium=1567.1, High=766.3, Very High=16.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2