



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L30-750-T3-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009419
[TESTLAB] ATAL-LABS
[ISSUE DATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L30-750-T3-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] WITH TYPE III DISTRIBUTION AND
[MORE] MICRO-PRISMATIC GLASS LENS
[LAMPCAT] X4-LUXEON M
[LAMP] 8 WHITE LED
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_MOUNTING] Wall

CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3501
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1475.946
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	1475.946
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	332.715 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L30-750-T3-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	501.6	N.A.	14.3
FM - Front-Medium (30-60)	1326.1	N.A.	37.9
FH - Front-High (60-80)	546.9	N.A.	15.6
FVH - Front-Very High (80-90)	42.1	N.A.	1.2
BL - Back-Low (0-30)	317.3	N.A.	9.1
BM - Back-Medium (30-60)	561.5	N.A.	16.0
BH - Back-High (60-80)	194.8	N.A.	5.6
BVH - Back-Very High (80-90)	10.5	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	3500.8	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles Horizontal Angles

	<u>0.0</u>	<u>2.5</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>
0.0	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328
2.5	992.691	994.872	992.691	999.236	998.145	997.054	994.872	990.509	988.327	987.236
5.0	1034.144	1034.144	1034.144	1038.507	1037.416	1035.235	1031.962	1027.599	1023.235	1019.962
7.5	1051.598	1051.598	1051.598	1054.870	1052.689	1049.416	1046.143	1046.143	1046.143	1045.052
10.0	1087.596	1087.596	1086.505	1086.505	1082.142	1078.869	1075.597	1074.506	1071.233	1069.052
12.5	1132.322	1134.504	1131.231	1130.140	1125.777	1124.686	1120.322	1117.050	1111.595	1106.141
15.0	1173.775	1175.957	1172.684	1168.321	1163.957	1161.775	1158.503	1160.685	1158.503	1148.685
17.5	1208.683	1210.865	1207.592	1201.047	1192.320	1186.865	1185.775	1190.138	1189.047	1184.684
20.0	1276.317	1275.226	1268.681	1259.954	1250.136	1235.955	1225.046	1218.501	1211.955	1207.592
22.5	1348.314	1348.314	1340.678	1328.678	1314.497	1301.407	1288.316	1265.408	1246.863	1231.591
25.0	1403.948	1405.039	1396.312	1383.222	1367.950	1349.405	1334.133	1312.315	1293.771	1264.317
27.5	1450.856	1450.856	1443.220	1426.857	1406.130	1390.858	1371.222	1349.405	1326.497	1310.134
30.0	1475.946	1473.764	1465.037	1455.219	1434.493	1419.221	1396.312	1378.858	1362.495	1339.587
32.5	1463.946	1463.946	1457.401	1448.674	1441.038	1430.129	1414.857	1400.676	1386.494	1362.495
35.0	1425.766	1423.584	1417.039	1414.857	1413.766	1414.857	1410.494	1411.584	1398.494	1379.949
37.5	1364.677	1361.404	1355.950	1359.223	1362.495	1370.131	1385.404	1396.312	1400.676	1386.494
40.0	1256.681	1255.590	1258.863	1265.408	1281.771	1303.588	1339.587	1372.313	1393.040	1390.858
42.5	1121.413	1125.777	1127.958	1139.958	1175.957	1207.592	1270.862	1331.951	1367.950	1378.858
45.0	975.237	983.964	991.600	1012.326	1049.416	1095.232	1177.048	1264.317	1326.497	1358.132
47.5	850.878	855.241	863.968	886.876	925.057	981.782	1071.233	1174.866	1259.954	1319.951
50.0	748.336	752.700	754.881	777.790	819.243	878.150	971.964	1075.597	1175.957	1261.045
52.5	649.067	653.431	655.612	680.702	721.064	782.153	877.059	982.873	1087.596	1182.502
55.0	562.888	569.434	571.615	593.433	633.795	691.611	789.789	897.785	995.963	1088.687
57.5	487.618	491.982	494.164	512.708	549.798	609.796	699.247	806.152	899.967	988.327
60.0	418.894	419.985	421.075	438.529	472.346	529.071	614.159	711.247	797.425	878.150
62.5	352.351	352.351	355.623	373.077	400.349	460.347	533.435	618.523	695.974	774.517
65.0	289.080	289.080	292.353	313.079	338.169	392.713	457.074	529.071	596.705	668.703
67.5	235.628	234.537	236.719	256.354	281.444	328.352	383.986	450.529	508.345	569.434
70.0	188.720	187.629	190.902	206.174	225.810	268.354	317.443	369.805	424.348	475.619
72.5	149.449	148.358	150.540	163.630	182.175	214.901	255.263	303.262	345.805	387.258
75.0	115.632	114.541	115.632	126.541	140.722	166.903	201.811	236.719	271.626	305.443
77.5	85.088	83.997	85.088	93.815	103.633	124.359	151.631	176.721	202.902	232.355
80.0	58.907	57.816	58.907	64.361	71.997	86.179	105.814	124.359	142.904	163.630
82.5	35.999	35.999	35.999	40.362	44.726	53.453	65.452	78.543	89.451	102.542
85.0	18.545	17.454	17.454	19.636	22.908	27.272	33.817	39.271	45.816	52.362
87.5	5.454	5.454	5.454	6.545	6.545	7.636	9.818	12.000	14.181	16.363
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>45.0</u>	<u>50.0</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	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328
2.5	988.327	985.055	979.600	976.328	976.328	975.237	970.873	968.692	965.419	962.146
5.0	1018.872	1013.417	1005.781	999.236	995.963	993.782	986.146	980.691	975.237	968.692
7.5	1046.143	1042.871	1038.507	1030.871	1026.508	1022.144	1013.417	1004.690	997.054	986.146
10.0	1066.870	1066.870	1063.597	1060.325	1057.052	1051.598	1043.962	1034.144	1021.053	1007.963
12.5	1102.869	1100.687	1097.414	1093.051	1086.505	1081.051	1071.233	1060.325	1042.871	1026.508
15.0	1139.958	1134.504	1126.868	1118.141	1110.505	1103.959	1094.142	1082.142	1062.506	1041.780
17.5	1174.866	1166.139	1157.412	1144.322	1135.595	1127.958	1117.050	1103.959	1078.869	1053.779
20.0	1199.956	1191.229	1189.047	1179.229	1162.866	1148.685	1134.504	1118.141	1089.778	1061.415
22.5	1217.410	1213.046	1210.865	1198.865	1179.229	1165.048	1151.958	1133.413	1108.323	1072.324
25.0	1242.500	1227.228	1222.864	1216.319	1199.956	1182.502	1167.230	1146.503	1121.413	1085.415
27.5	1281.771	1246.863	1239.227	1228.318	1215.228	1193.411	1177.048	1156.321	1126.868	1087.596

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CANDELA TABULATION - (Cont.)

30.0	1314.497	1280.680	1254.499	1241.409	1230.500	1213.046	1187.956	1166.139	1132.322	1087.596
32.5	1339.587	1309.043	1279.589	1254.499	1243.591	1226.137	1204.319	1178.138	1137.776	1090.869
35.0	1354.859	1328.678	1295.952	1274.135	1262.135	1245.772	1216.319	1184.684	1146.503	1096.323
37.5	1364.677	1336.314	1312.315	1288.316	1275.226	1261.045	1234.864	1198.865	1155.230	1097.414
40.0	1369.041	1342.860	1318.861	1300.316	1288.316	1273.044	1245.772	1202.138	1153.048	1093.051
42.5	1370.131	1342.860	1315.588	1303.588	1283.953	1275.226	1255.590	1213.046	1161.775	1097.414
45.0	1359.223	1335.224	1309.043	1292.680	1287.225	1281.771	1265.408	1223.955	1169.412	1097.414
47.5	1335.224	1318.861	1290.498	1279.589	1283.953	1282.862	1267.590	1229.409	1170.502	1095.232
50.0	1294.861	1289.407	1268.681	1267.590	1273.044	1279.589	1276.317	1240.318	1174.866	1095.232
52.5	1237.045	1249.045	1247.954	1249.045	1261.045	1269.771	1273.044	1238.136	1171.593	1086.505
55.0	1156.321	1193.411	1217.410	1231.591	1241.409	1256.681	1261.045	1233.773	1170.502	1076.688
57.5	1061.415	1124.686	1165.048	1187.956	1205.410	1221.773	1230.500	1205.410	1144.322	1051.598
60.0	957.783	1038.507	1091.960	1125.777	1150.867	1174.866	1185.775	1162.866	1103.959	1017.781
62.5	854.150	943.602	1010.145	1055.961	1095.232	1119.232	1134.504	1115.959	1060.325	974.146
65.0	747.245	842.151	913.057	969.782	1021.053	1048.325	1075.597	1061.415	1010.145	919.603
67.5	646.885	731.973	809.425	869.423	931.602	965.419	991.600	986.146	935.966	855.241
70.0	545.434	617.432	691.611	759.245	824.697	859.605	890.149	881.422	837.787	763.608
72.5	445.075	507.254	577.070	643.613	703.610	738.518	763.608	749.427	710.156	650.158
75.0	351.260	403.622	471.255	523.617	574.888	602.160	620.704	605.432	569.434	520.344
77.5	265.081	306.534	362.168	404.712	445.075	459.256	473.437	455.983	426.530	389.440
80.0	187.629	217.083	259.627	289.080	318.534	323.988	332.715	319.625	297.807	273.808
82.5	117.814	140.722	166.903	185.448	203.992	217.083	213.810	202.902	194.175	175.630
85.0	59.998	73.088	86.179	95.996	106.905	114.541	112.360	105.814	104.723	93.815
87.5	18.545	22.908	28.363	30.544	34.908	39.271	38.180	34.908	35.999	32.726
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	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328
2.5	958.874	955.601	953.419	949.056	945.783	943.602	943.602	942.511	940.329	939.238
5.0	962.146	955.601	949.056	940.329	933.784	928.329	925.057	922.875	917.421	913.057
7.5	976.328	965.419	953.419	943.602	932.693	925.057	918.512	908.694	899.967	892.331
10.0	994.872	979.600	964.328	951.238	935.966	922.875	910.876	895.603	882.513	868.332
12.5	1009.054	991.600	975.237	956.692	939.238	921.784	903.239	880.331	860.696	841.060
15.0	1018.872	997.054	974.146	955.601	935.966	913.057	886.876	860.696	837.787	811.606
17.5	1026.508	1000.327	974.146	946.874	920.693	893.422	862.877	834.515	803.970	771.244
20.0	1028.689	1002.509	974.146	940.329	908.694	875.968	837.787	796.334	757.063	713.428
22.5	1034.144	1002.509	969.782	931.602	893.422	851.969	803.970	751.609	697.065	643.613
25.0	1043.962	1006.872	965.419	922.875	874.877	822.515	761.427	697.065	633.795	572.706
27.5	1046.143	1004.690	956.692	908.694	854.150	787.607	714.519	641.431	573.797	511.618
30.0	1041.780	999.236	945.783	886.876	825.788	749.427	666.521	584.706	517.072	463.619
32.5	1042.871	990.509	935.966	872.695	795.243	705.792	615.250	533.435	472.346	430.893
35.0	1039.598	982.873	922.875	848.696	762.517	663.248	566.161	487.618	434.166	403.622
37.5	1037.416	977.419	906.512	822.515	723.246	617.432	515.981	442.893	402.531	381.804
40.0	1030.871	965.419	886.876	794.153	687.247	568.343	469.074	400.349	368.714	357.805
42.5	1029.780	954.510	870.513	762.517	644.704	520.344	423.257	363.259	339.260	334.897
45.0	1022.144	943.602	848.696	728.700	598.887	469.074	380.713	328.352	309.807	311.989
47.5	1009.054	926.148	824.697	698.156	558.525	426.530	340.351	296.716	283.626	289.080
50.0	1004.690	915.239	803.970	668.703	520.344	389.440	307.625	269.445	258.536	265.081
52.5	992.691	897.785	779.971	640.340	487.618	356.714	278.172	239.991	230.173	239.991
55.0	979.600	875.968	754.881	609.796	458.165	329.442	251.991	215.992	208.356	213.810
57.5	950.147	844.333	723.246	574.888	424.348	301.080	227.992	194.175	185.448	185.448
60.0	915.239	805.061	680.702	535.617	389.440	273.808	205.083	174.539	162.539	159.267
62.5	872.695	762.517	638.158	495.255	354.532	248.718	185.448	154.903	141.813	137.449
65.0	826.879	714.519	591.251	452.711	321.806	225.810	164.721	136.359	123.268	117.814

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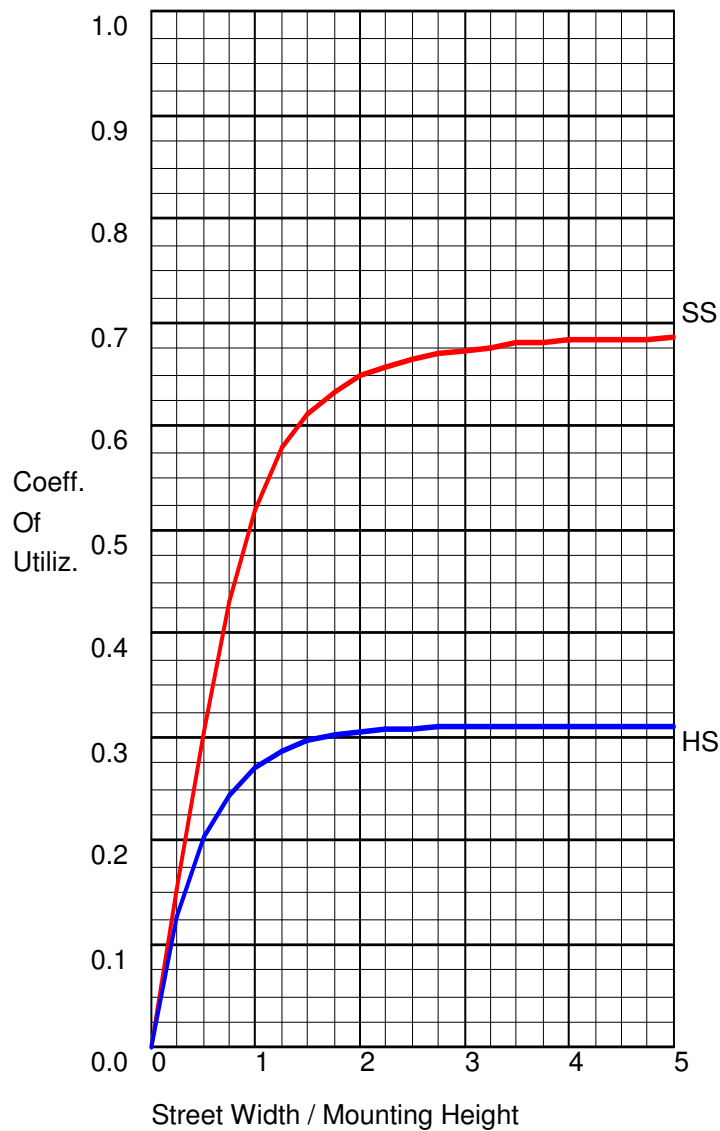
CANDELA TABULATION - (Cont.)

67.5	761.427	656.703	538.889	410.167	286.899	199.629	143.995	117.814	104.723	97.087
70.0	678.520	583.615	478.891	358.896	249.809	171.266	122.177	98.178	82.906	69.816
72.5	575.979	496.345	406.894	304.352	209.447	140.722	95.996	73.088	55.634	38.180
75.0	462.528	398.167	328.352	245.446	165.812	102.542	58.907	42.544	19.636	7.636
77.5	344.715	305.443	251.991	185.448	114.541	45.816	22.908	7.636	2.182	1.091
80.0	243.264	217.083	178.903	115.632	25.090	8.727	3.273	1.091	1.091	0.000
82.5	157.085	139.631	114.541	49.089	7.636	2.182	1.091	1.091	0.000	0.000
85.0	83.997	75.270	55.634	10.909	2.182	1.091	1.091	1.091	0.000	0.000
87.5	31.635	26.181	7.636	1.091	1.091	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	964.328	964.328	964.328	964.328	964.328	964.328	964.328	964.328
2.5	938.147	939.238	937.056	938.147	940.329	938.147	934.875	931.602
5.0	910.876	908.694	904.330	905.421	907.603	904.330	903.239	899.967
7.5	885.786	880.331	871.604	869.423	869.423	868.332	866.150	867.241
10.0	856.332	847.605	835.606	824.697	820.333	817.061	813.788	815.970
12.5	823.606	809.425	790.880	776.699	767.972	758.154	759.245	761.427
15.0	782.153	758.154	734.155	710.156	698.156	685.066	686.157	688.338
17.5	730.882	694.884	664.339	632.704	613.068	594.524	592.342	594.524
20.0	665.430	620.704	579.251	547.616	524.708	505.072	498.527	498.527
22.5	586.887	543.253	507.254	474.528	455.983	442.893	434.166	431.984
25.0	514.890	478.891	449.438	428.711	415.621	409.076	404.712	403.622
27.5	464.710	438.529	418.894	405.803	398.167	395.985	395.985	394.895
30.0	433.075	414.530	402.531	395.985	397.076	398.167	401.440	399.258
32.5	409.076	400.349	397.076	400.349	406.894	411.258	415.621	415.621
35.0	389.440	390.531	394.895	403.622	411.258	419.985	427.621	428.711
37.5	376.350	381.804	390.531	400.349	409.076	417.803	425.439	426.530
40.0	361.078	368.714	380.713	392.713	403.622	414.530	423.257	423.257
42.5	341.442	353.442	371.986	387.258	401.440	412.348	419.985	422.166
45.0	325.079	341.442	361.078	373.077	386.168	398.167	405.803	409.076
47.5	306.534	321.806	337.079	350.169	357.805	368.714	371.986	374.168
50.0	283.626	294.535	304.352	313.079	315.261	323.988	325.079	325.079
52.5	251.991	260.718	267.263	269.445	270.535	273.808	274.899	272.717
55.0	220.356	225.810	227.992	227.992	226.901	230.173	232.355	227.992
57.5	186.539	188.720	190.902	190.902	191.993	193.084	194.175	193.084
60.0	160.358	159.267	162.539	162.539	163.630	164.721	163.630	163.630
62.5	136.359	136.359	136.359	135.268	133.086	133.086	133.086	133.086
65.0	115.632	112.360	105.814	100.360	99.269	94.906	94.906	94.906
67.5	89.451	80.724	69.816	59.998	47.998	28.363	22.908	21.817
70.0	56.725	40.362	19.636	12.000	8.727	5.454	5.454	5.454
72.5	17.454	7.636	4.363	3.273	2.182	2.182	2.182	2.182
75.0	3.273	2.182	1.091	1.091	1.091	1.091	1.091	1.091
77.5	1.091	1.091	0.000	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

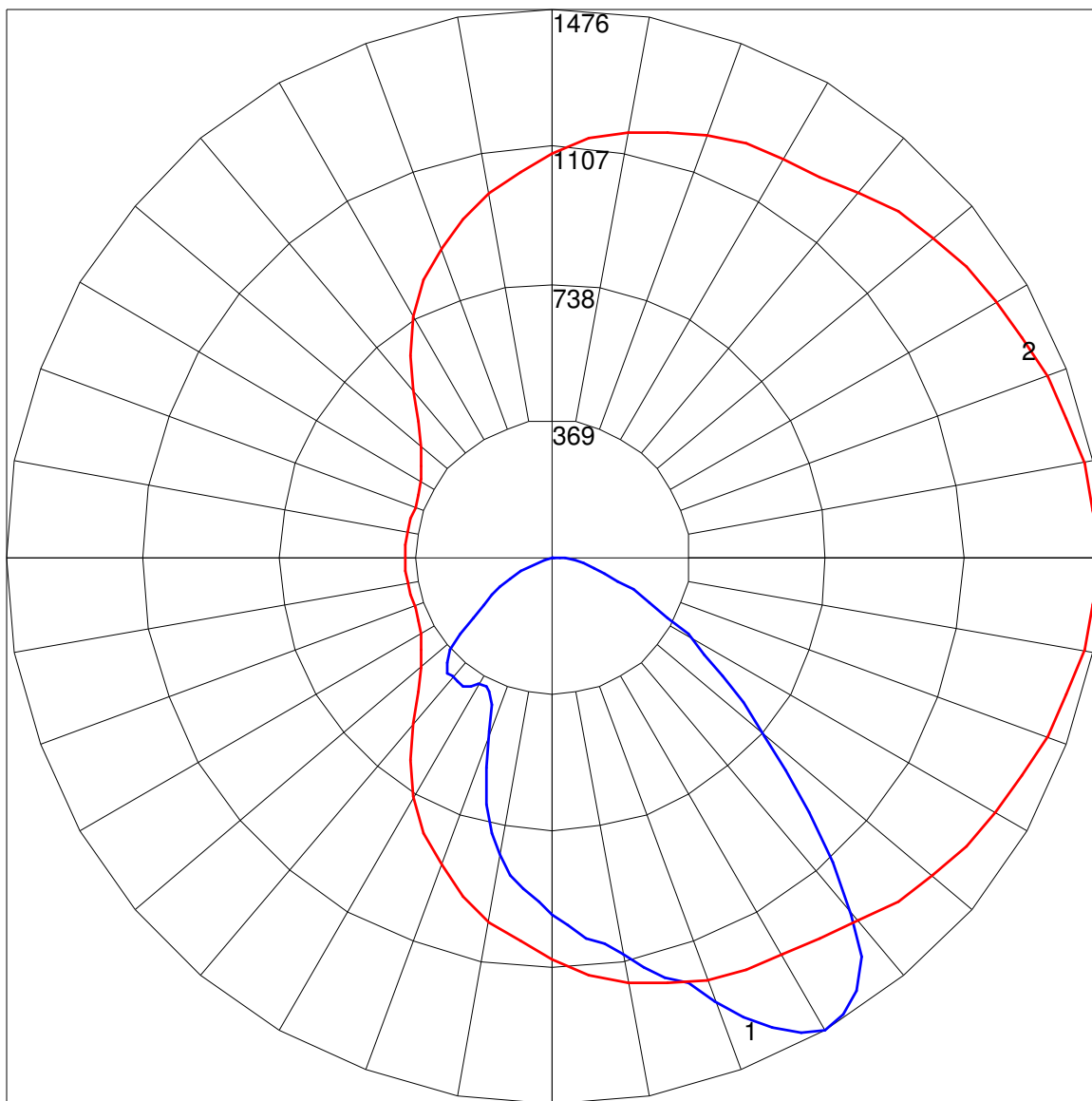
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

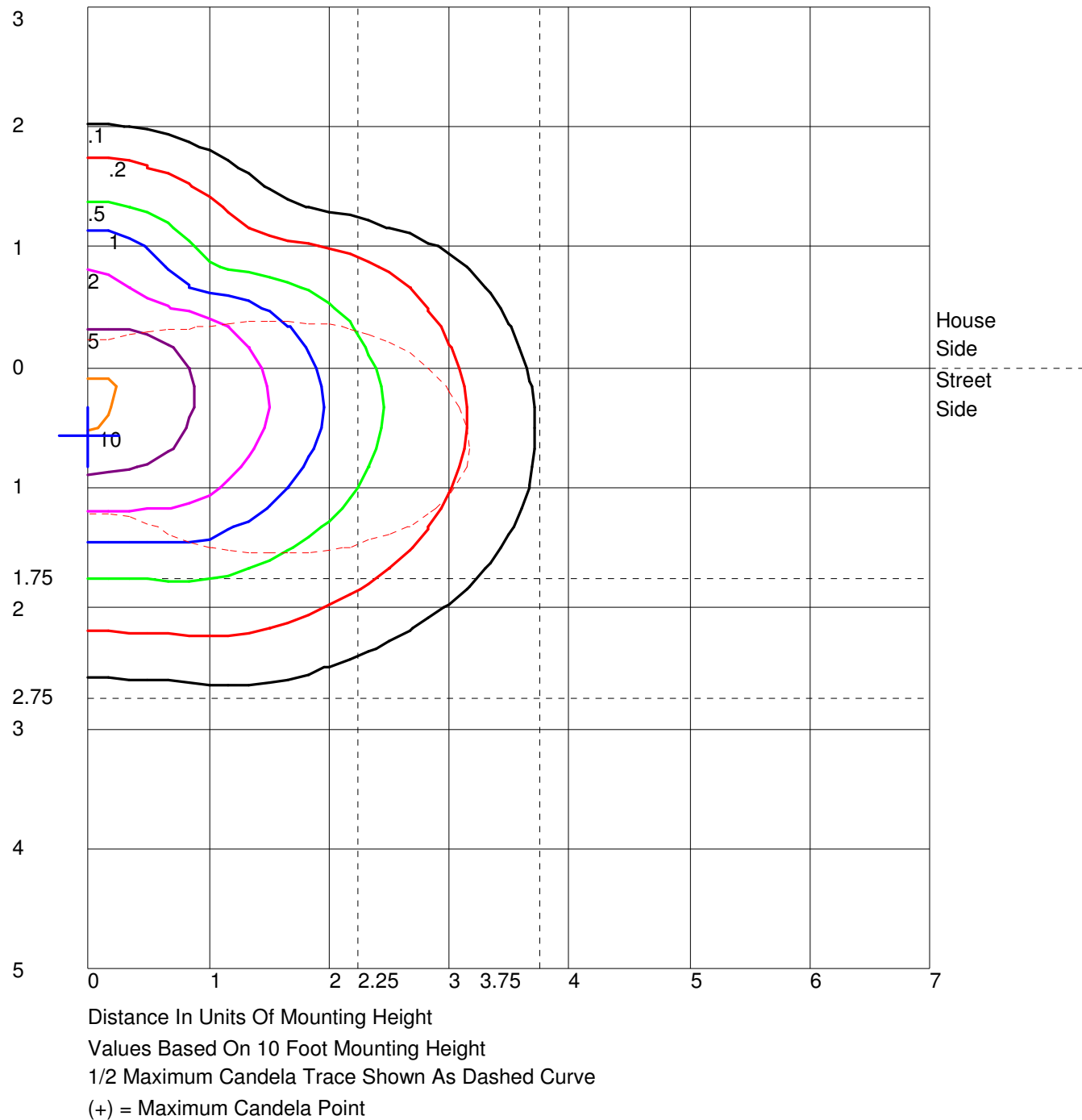
	Lumens	Percent Of Luminaire
Downward Street Side	2416.7	69.0
Downward House Side	1084.0	31.0
Downward Total	3500.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3500.7	100.0

POLAR GRAPH

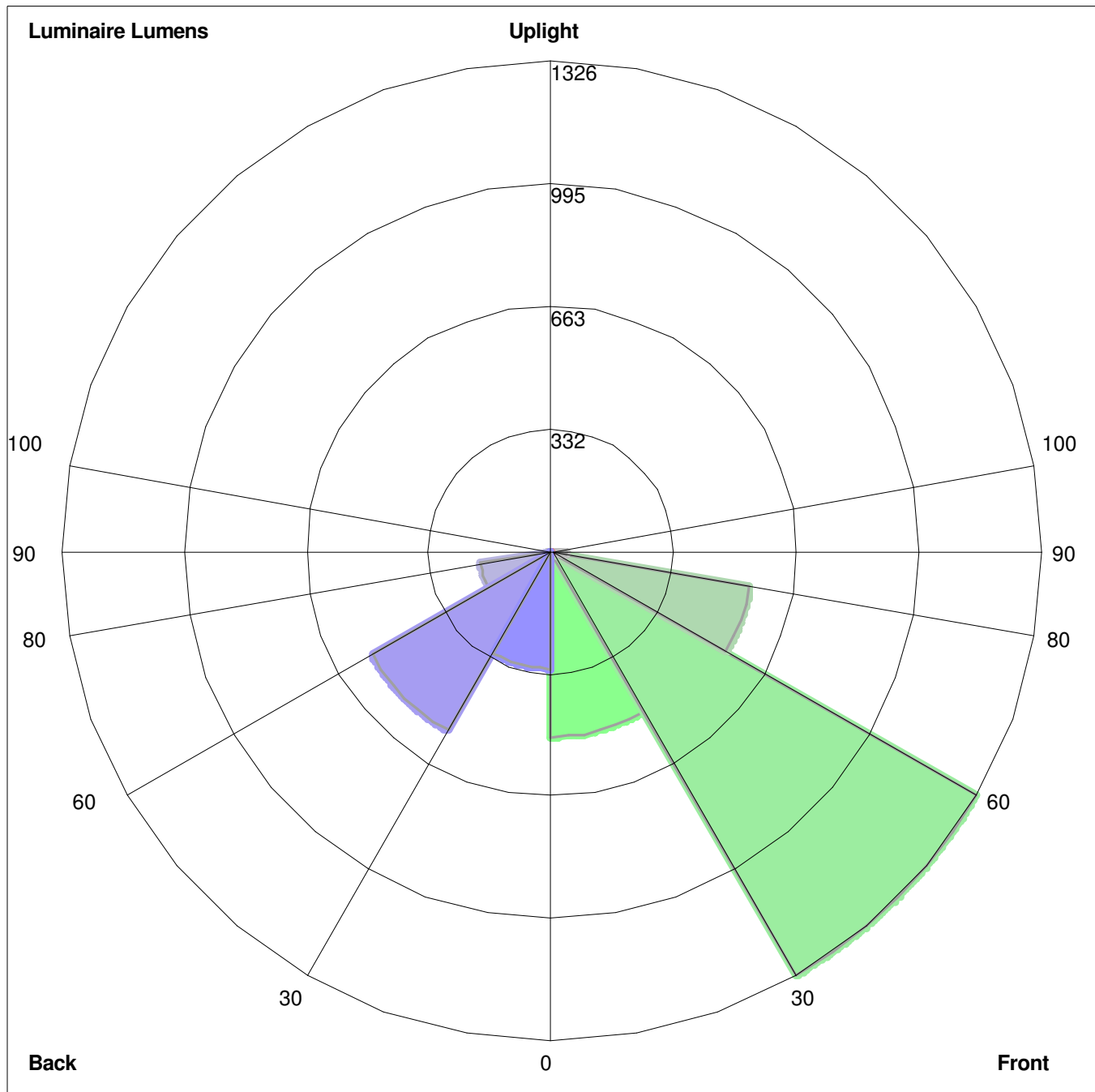


Maximum Candela = 1475.946 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=501.6, Medium=1326.1, High=546.9, Very High=42.1
Back: Low=317.3, Medium=561.5, High=194.8, Very High=10.5
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1