



IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-03L-DA-W-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]3367_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[TESTDATE]3/19/2018
[ISSUEDATE]7/10/2018
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]WCP-03L-DA-W-50
[OTHER]TEST PROCEDURE: IESNA
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] FL
[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3492
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	25
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1257.182
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	1257.182
Maximum Candela Angle (<90 Degrees Vertical)	270H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	111.613 (3.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	495.5	N.A.	14.2
FM - Front-Medium (30-60)	927.2	N.A.	26.6
FH - Front-High (60-80)	302.7	N.A.	8.7
FVH - Front-Very High (80-90)	20.6	N.A.	0.6
BL - Back-Low (0-30)	495.5	N.A.	14.2
BM - Back-Medium (30-60)	927.2	N.A.	26.6
BH - Back-High (60-80)	302.7	N.A.	8.7
BVH - Back-Very High (80-90)	20.6	N.A.	0.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3492.0	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1256.442	1256.442	1256.442	1256.442	1256.442	1256.442	1256.442	1256.442	1256.442	1256.442
2.5	1255.837	1254.325	1254.533	1255.003	1257.182	1255.003	1254.533	1254.325	1255.837	1254.325
5.0	1251.207	1250.153	1251.123	1251.363	1252.844	1251.363	1251.123	1250.153	1251.207	1250.153
7.5	1247.567	1246.827	1246.003	1244.428	1244.845	1244.428	1246.003	1246.827	1247.567	1246.827
10.0	1243.219	1242.061	1238.568	1232.624	1231.633	1232.624	1238.568	1242.061	1243.219	1242.061
12.5	1240.747	1237.222	1228.265	1218.817	1215.918	1218.817	1228.265	1237.222	1240.747	1237.222
15.0	1235.815	1230.548	1217.544	1203.498	1199.170	1203.498	1217.544	1230.548	1235.815	1230.548
17.5	1227.076	1220.725	1205.834	1183.549	1178.585	1183.549	1205.834	1220.725	1227.076	1220.725
20.0	1213.613	1206.689	1193.111	1161.117	1156.821	1161.117	1193.111	1206.689	1213.613	1206.689
22.5	1193.090	1187.094	1175.258	1142.722	1140.584	1142.722	1175.258	1187.094	1193.090	1187.094
25.0	1165.539	1159.699	1151.190	1125.735	1125.484	1125.735	1151.190	1159.699	1165.539	1159.699
27.5	1135.360	1129.374	1125.192	1109.477	1110.697	1109.477	1125.192	1129.374	1135.360	1129.374
30.0	1101.333	1097.777	1097.662	1092.625	1089.549	1092.625	1097.662	1097.777	1101.333	1097.777
32.5	1062.738	1061.580	1068.651	1067.921	1054.260	1067.921	1068.651	1061.580	1062.738	1061.580
35.0	1017.917	1015.634	1038.909	1031.057	1010.461	1031.057	1038.909	1015.634	1017.917	1015.634
37.5	972.440	963.482	1001.743	987.551	973.066	987.551	1001.743	963.482	972.440	963.482
40.0	932.886	918.453	956.078	947.798	938.840	947.798	956.078	918.453	932.886	918.453
42.5	894.667	876.136	905.355	908.484	899.881	908.484	905.355	876.136	894.667	876.136
45.0	852.797	836.154	850.993	863.559	851.129	863.559	850.993	836.154	852.797	836.154
47.5	800.427	793.117	799.686	808.999	792.585	808.999	799.686	793.117	800.427	793.117
50.0	741.351	740.725	750.246	746.930	730.224	746.930	750.246	740.725	741.351	740.725
52.5	681.139	683.256	699.211	683.141	669.772	683.141	699.211	683.256	681.139	683.256
55.0	625.264	624.722	641.366	621.489	614.002	621.489	641.366	624.722	625.264	624.722
57.5	569.943	567.315	577.190	564.604	558.044	564.604	577.190	567.315	569.943	567.315
60.0	513.297	511.868	512.317	508.177	501.555	508.177	512.317	511.868	513.297	511.868
62.5	454.732	455.754	451.385	451.718	446.755	451.718	451.385	455.754	454.732	455.754
65.0	393.831	397.544	396.251	397.554	394.457	397.554	396.251	397.544	393.831	397.544
67.5	339.824	341.753	344.569	345.434	342.890	345.434	344.569	341.753	339.824	341.753
70.0	290.696	290.509	294.816	296.474	296.057	296.474	294.816	290.509	290.696	290.509
72.5	246.512	244.958	247.993	250.381	248.681	250.381	247.993	244.958	246.512	244.958
75.0	200.837	200.201	204.309	203.882	200.889	203.882	204.309	200.201	200.837	200.201
77.5	146.422	149.144	161.804	154.087	146.693	154.087	161.804	149.144	146.422	149.144
80.0	98.129	99.850	111.613	104.146	97.900	104.146	111.613	99.850	98.129	99.850
82.5	57.105	59.733	61.839	62.454	56.813	62.454	61.839	59.733	57.105	59.733
85.0	26.102	29.303	30.336	30.711	27.259	30.711	30.336	29.303	26.102	29.303
87.5	8.259	10.366	11.106	10.845	9.573	10.845	11.106	10.366	8.259	10.366
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

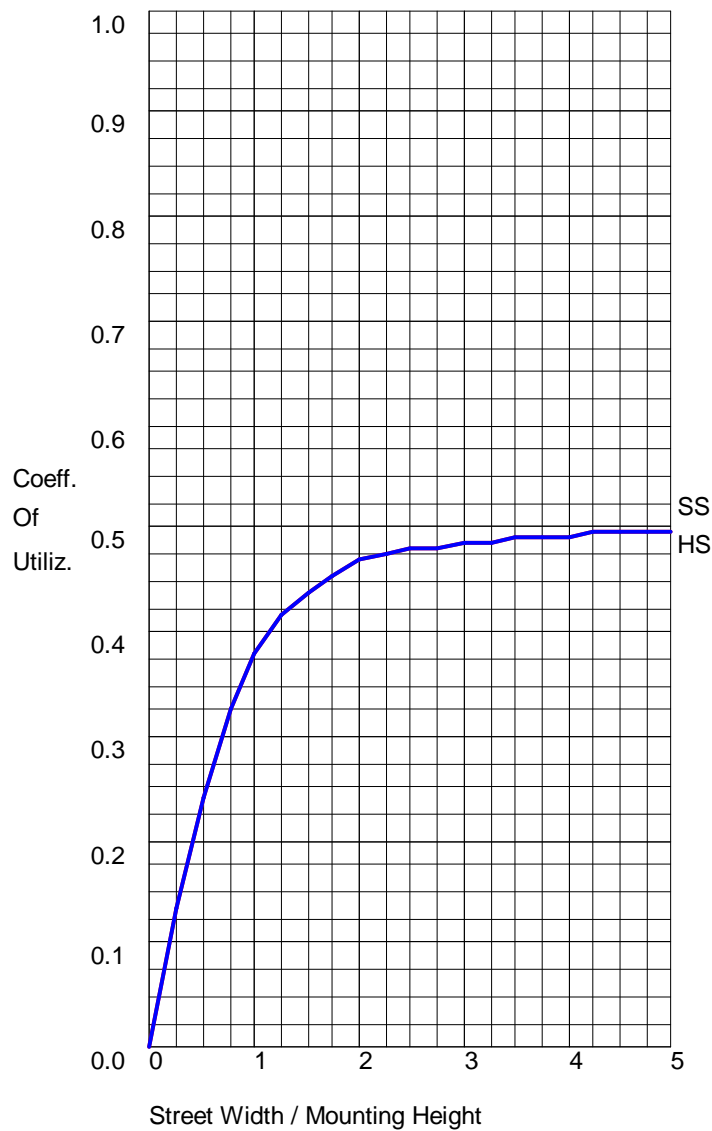
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1256.442	1256.442	1256.442	1256.442	1256.442	1256.442	1256.442
2.5	1254.533	1255.003	1257.182	1255.003	1254.533	1254.325	1255.837
5.0	1251.123	1251.363	1252.844	1251.363	1251.123	1250.153	1251.207
7.5	1246.003	1244.428	1244.845	1244.428	1246.003	1246.827	1247.567
10.0	1238.568	1232.624	1231.633	1232.624	1238.568	1242.061	1243.219
12.5	1228.265	1218.817	1215.918	1218.817	1228.265	1237.222	1240.747
15.0	1217.544	1203.498	1199.170	1203.498	1217.544	1230.548	1235.815
17.5	1205.834	1183.549	1178.585	1183.549	1205.834	1220.725	1227.076
20.0	1193.111	1161.117	1156.821	1161.117	1193.111	1206.689	1213.613
22.5	1175.258	1142.722	1140.584	1142.722	1175.258	1187.094	1193.090
25.0	1151.190	1125.735	1125.484	1125.735	1151.190	1159.699	1165.539
27.5	1125.192	1109.477	1110.697	1109.477	1125.192	1129.374	1135.360
30.0	1097.662	1092.625	1089.549	1092.625	1097.662	1097.777	1101.333
32.5	1068.651	1067.921	1054.260	1067.921	1068.651	1061.580	1062.738
35.0	1038.909	1031.057	1010.461	1031.057	1038.909	1015.634	1017.917
37.5	1001.743	987.551	973.066	987.551	1001.743	963.482	972.440
40.0	956.078	947.798	938.840	947.798	956.078	918.453	932.886
42.5	905.355	908.484	899.881	908.484	905.355	876.136	894.667
45.0	850.993	863.559	851.129	863.559	850.993	836.154	852.797
47.5	799.686	808.999	792.585	808.999	799.686	793.117	800.427
50.0	750.246	746.930	730.224	746.930	750.246	740.725	741.351
52.5	699.211	683.141	669.772	683.141	699.211	683.256	681.139
55.0	641.366	621.489	614.002	621.489	641.366	624.722	625.264
57.5	577.190	564.604	558.044	564.604	577.190	567.315	569.943
60.0	512.317	508.177	501.555	508.177	512.317	511.868	513.297
62.5	451.385	451.718	446.755	451.718	451.385	455.754	454.732
65.0	396.251	397.554	394.457	397.554	396.251	397.544	393.831
67.5	344.569	345.434	342.890	345.434	344.569	341.753	339.824
70.0	294.816	296.474	296.057	296.474	294.816	290.509	290.696
72.5	247.993	250.381	248.681	250.381	247.993	244.958	246.512
75.0	204.309	203.882	200.889	203.882	204.309	200.201	200.837
77.5	161.804	154.087	146.693	154.087	161.804	149.144	146.422

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

80.0	111.613	104.146	97.900	104.146	111.613	99.850	98.129
82.5	61.839	62.454	56.813	62.454	61.839	59.733	57.105
85.0	30.336	30.711	27.259	30.711	30.336	29.303	26.102
87.5	11.106	10.845	9.573	10.845	11.106	10.366	8.259
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

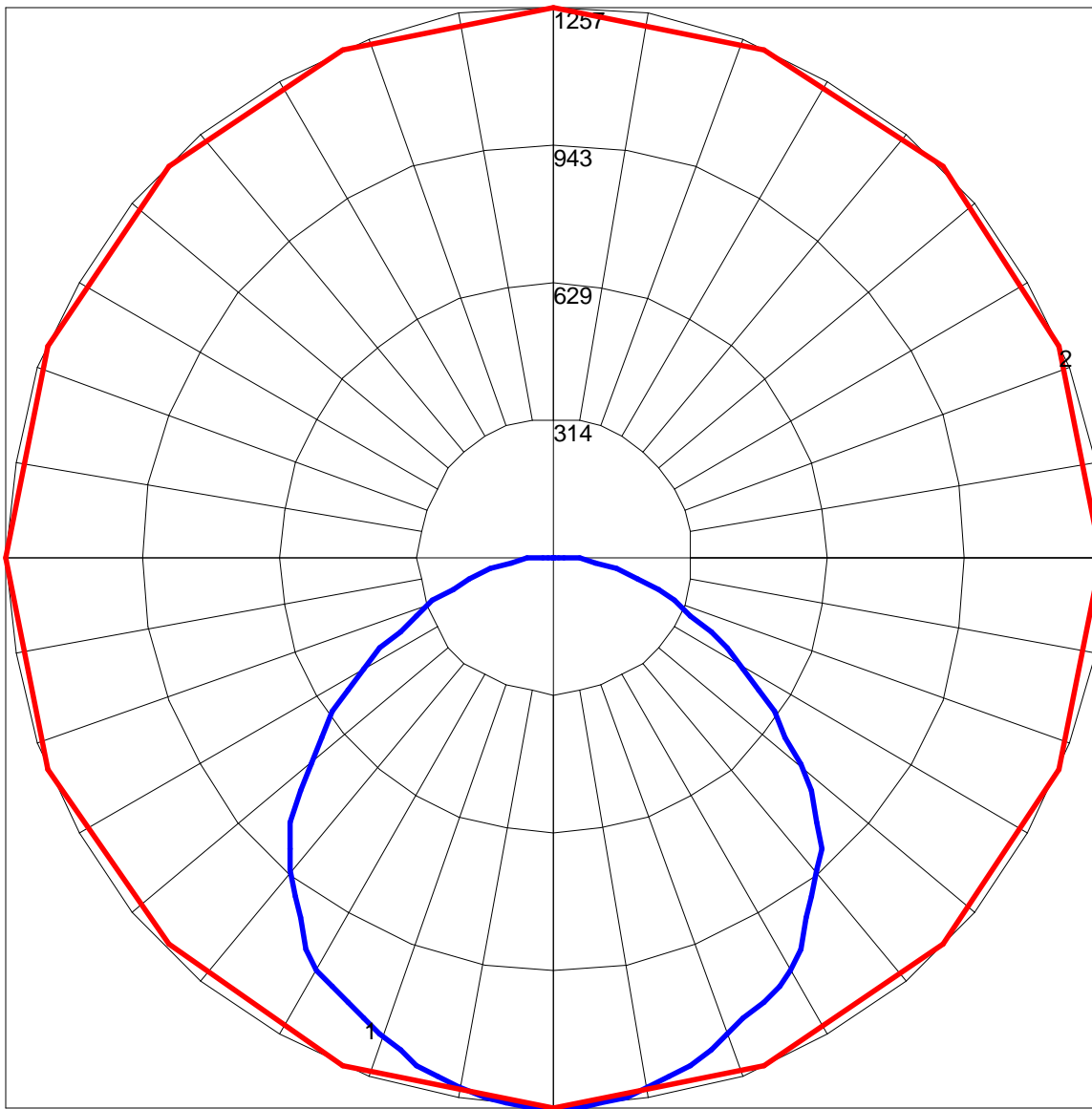
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FLUX DISTRIBUTION

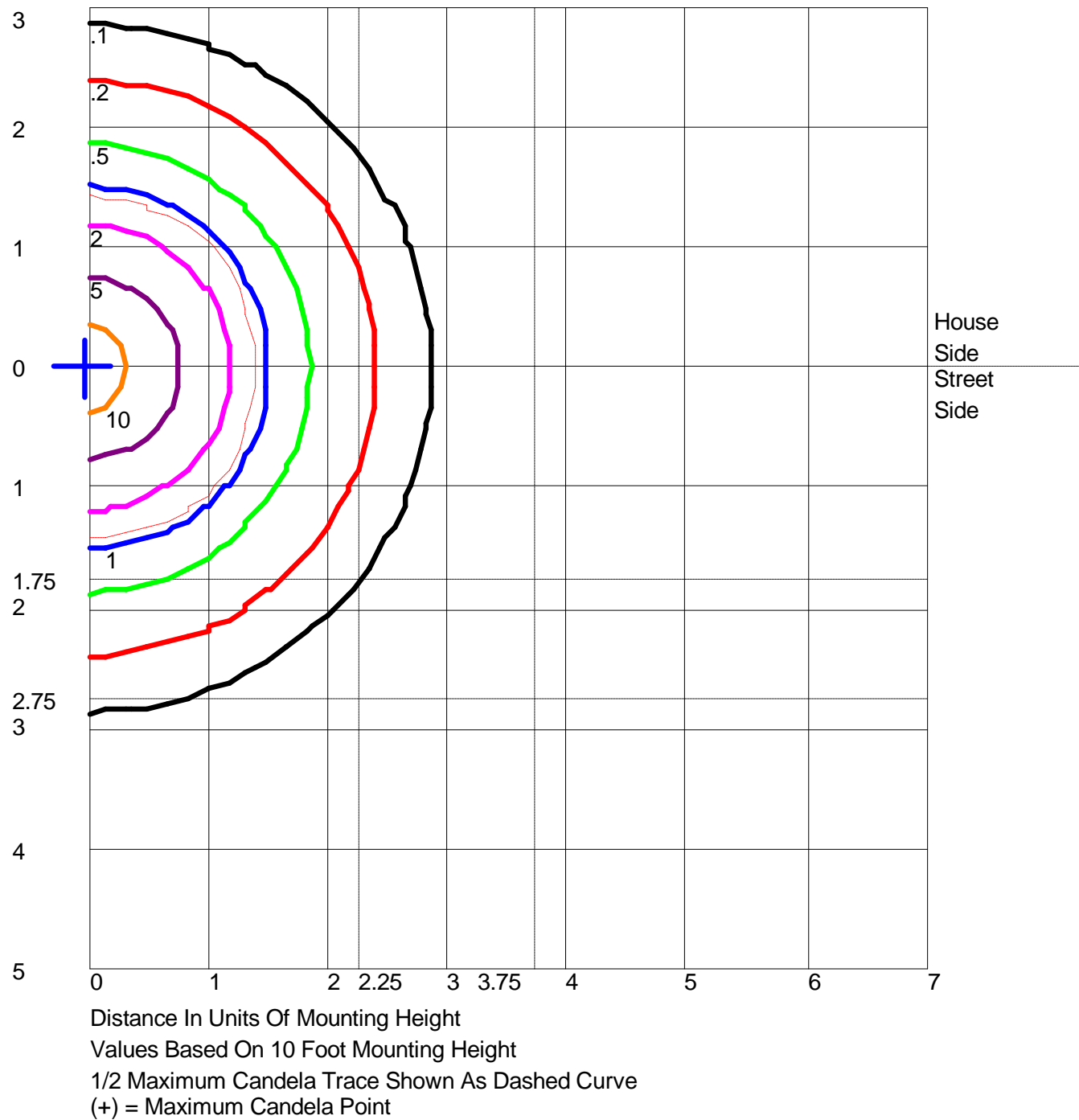
	Lumens	Percent Of Luminaire
Downward Street Side	1746.0	50.0
Downward House Side	1746.0	50.0
Downward Total	3492.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3492.0	100.0

POLAR GRAPH

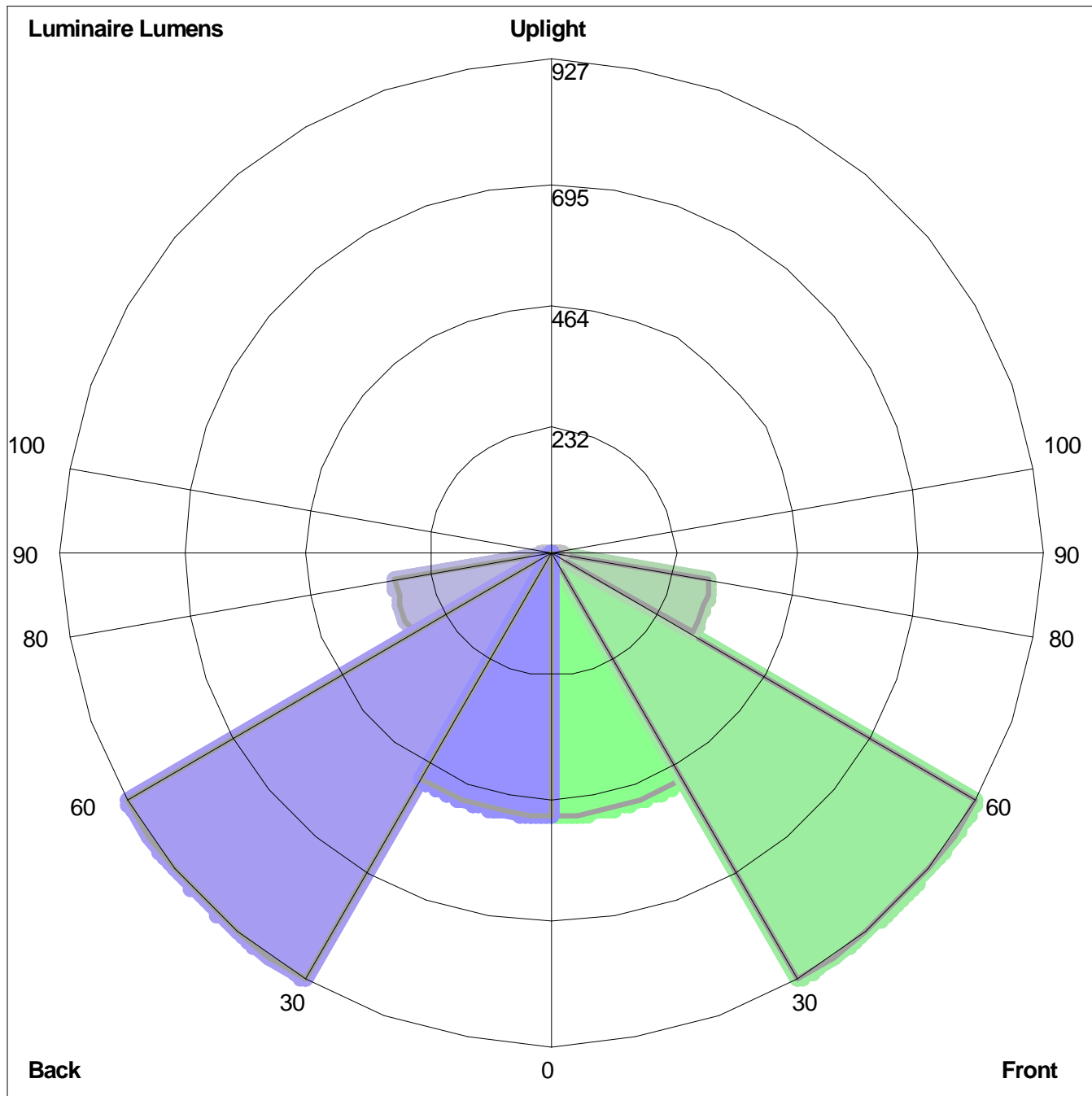


Maximum Candela = 1257.182 Located At Horizontal Angle = 270, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=495.5, Medium=927.2, High=302.7, Very High=20.6
Back: Low=495.5, Medium=927.2, High=302.7, Very High=20.6
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1