



IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-03L-DA-W-40.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-40
[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	3363
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	25
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1210.744
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	1210.744
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	107.49 (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)	477.2	N.A.	14.2
FM - Front-Medium (30-60)	892.9	N.A.	26.6
FH - Front-High (60-80)	291.5	N.A.	8.7
FVH - Front-Very High (80-90)	19.8	N.A.	0.6
BL - Back-Low (0-30)	477.2	N.A.	14.2
BM - Back-Medium (30-60)	892.9	N.A.	26.6
BH - Back-High (60-80)	291.5	N.A.	8.7
BVH - Back-Very High (80-90)	19.8	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	3362.8	N.A.	100.0
BUG Rating	B1-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>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	1210.031	1210.031	1210.031	1210.031	1210.031	1210.031	1210.031	1210.031	1210.031	1210.031
2.5	1209.448	1207.992	1208.193	1208.645	1210.744	1208.645	1208.193	1207.992	1209.448	1207.992
5.0	1204.989	1203.975	1204.909	1205.140	1206.566	1205.140	1204.909	1203.975	1204.989	1203.975
7.5	1201.484	1200.771	1199.978	1198.461	1198.863	1198.461	1199.978	1200.771	1201.484	1200.771
10.0	1197.296	1196.182	1192.817	1187.093	1186.139	1187.093	1192.817	1196.182	1197.296	1196.182
12.5	1194.916	1191.522	1182.895	1173.796	1171.004	1173.796	1182.895	1191.522	1194.916	1191.522
15.0	1190.166	1185.094	1172.570	1159.043	1154.875	1159.043	1172.570	1185.094	1190.166	1185.094
17.5	1181.750	1175.634	1161.292	1139.830	1135.050	1139.830	1161.292	1175.634	1181.750	1175.634
20.0	1168.784	1162.116	1149.040	1118.228	1114.090	1118.228	1149.040	1162.116	1168.784	1162.116
22.5	1149.020	1143.245	1131.846	1100.512	1098.453	1100.512	1131.846	1143.245	1149.020	1143.245
25.0	1122.486	1116.862	1108.667	1084.152	1083.911	1084.152	1108.667	1116.862	1122.486	1116.862
27.5	1093.422	1087.657	1083.630	1068.495	1069.670	1068.495	1083.630	1087.657	1093.422	1087.657
30.0	1060.651	1057.227	1057.116	1052.265	1049.303	1052.265	1057.116	1057.227	1060.651	1057.227
32.5	1023.482	1022.367	1029.177	1028.473	1015.317	1028.473	1029.177	1022.367	1023.482	1022.367
35.0	980.317	978.118	1000.534	992.971	973.137	992.971	1000.534	978.118	980.317	978.118
37.5	936.520	927.893	964.741	951.072	937.122	951.072	964.741	927.893	936.520	927.893
40.0	898.427	884.527	920.762	912.788	904.161	912.788	920.762	884.527	898.427	884.527
42.5	861.619	843.773	871.913	874.926	866.641	874.926	871.913	843.773	861.619	843.773
45.0	821.296	805.268	819.559	831.661	819.690	831.661	819.559	805.268	821.296	805.268
47.5	770.861	763.820	770.147	779.116	763.308	779.116	770.147	763.820	770.861	763.820
50.0	713.967	713.364	722.534	719.340	703.251	719.340	722.534	713.364	713.967	713.364
52.5	655.979	658.017	673.383	657.907	645.032	657.907	673.383	658.017	655.979	658.017
55.0	602.168	601.646	617.675	598.533	591.322	598.533	617.675	601.646	602.168	601.646
57.5	548.890	546.359	555.870	543.748	537.431	543.748	555.870	546.359	548.890	546.359
60.0	494.337	492.961	493.393	489.405	483.028	489.405	493.393	492.961	494.337	492.961
62.5	437.935	438.919	434.711	435.033	430.252	435.033	434.711	438.919	437.935	438.919
65.0	379.284	382.859	381.614	382.869	379.887	382.869	381.614	382.859	379.284	382.859
67.5	327.271	329.129	331.841	332.674	330.224	332.674	331.841	329.129	327.271	329.129
70.0	279.959	279.778	283.926	285.522	285.121	285.522	283.926	279.778	279.959	279.778
72.5	237.406	235.910	238.833	241.132	239.495	241.132	238.833	235.910	237.406	235.910
75.0	193.418	192.806	196.762	196.351	193.468	196.351	196.762	192.806	193.418	192.806
77.5	141.014	143.635	155.827	148.395	141.275	148.395	155.827	143.635	141.014	143.635
80.0	94.505	96.162	107.490	100.299	94.284	100.299	107.490	96.162	94.505	96.162
82.5	54.995	57.526	59.555	60.148	54.714	60.148	59.555	57.526	54.995	57.526
85.0	25.138	28.221	29.215	29.577	26.252	29.577	29.215	28.221	25.138	28.221
87.5	7.954	9.983	10.696	10.445	9.219	10.445	10.696	9.983	7.954	9.983
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

IES ROAD REPORT
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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**

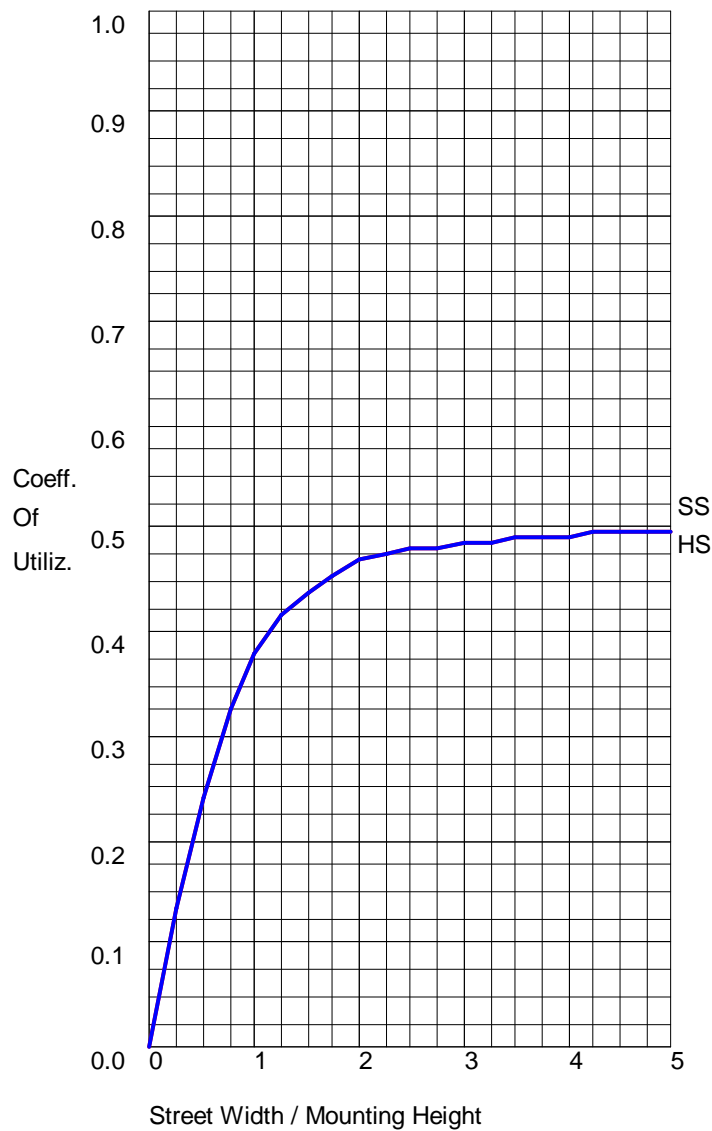
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1210.031	1210.031	1210.031	1210.031	1210.031	1210.031	1210.031
2.5	1208.193	1208.645	1210.744	1208.645	1208.193	1207.992	1209.448
5.0	1204.909	1205.140	1206.566	1205.140	1204.909	1203.975	1204.989
7.5	1199.978	1198.461	1198.863	1198.461	1199.978	1200.771	1201.484
10.0	1192.817	1187.093	1186.139	1187.093	1192.817	1196.182	1197.296
12.5	1182.895	1173.796	1171.004	1173.796	1182.895	1191.522	1194.916
15.0	1172.570	1159.043	1154.875	1159.043	1172.570	1185.094	1190.166
17.5	1161.292	1139.830	1135.050	1139.830	1161.292	1175.634	1181.750
20.0	1149.040	1118.228	1114.090	1118.228	1149.040	1162.116	1168.784
22.5	1131.846	1100.512	1098.453	1100.512	1131.846	1143.245	1149.020
25.0	1108.667	1084.152	1083.911	1084.152	1108.667	1116.862	1122.486
27.5	1083.630	1068.495	1069.670	1068.495	1083.630	1087.657	1093.422
30.0	1057.116	1052.265	1049.303	1052.265	1057.116	1057.227	1060.651
32.5	1029.177	1028.473	1015.317	1028.473	1029.177	1022.367	1023.482
35.0	1000.534	992.971	973.137	992.971	1000.534	978.118	980.317
37.5	964.741	951.072	937.122	951.072	964.741	927.893	936.520
40.0	920.762	912.788	904.161	912.788	920.762	884.527	898.427
42.5	871.913	874.926	866.641	874.926	871.913	843.773	861.619
45.0	819.559	831.661	819.690	831.661	819.559	805.268	821.296
47.5	770.147	779.116	763.308	779.116	770.147	763.820	770.861
50.0	722.534	719.340	703.251	719.340	722.534	713.364	713.967
52.5	673.383	657.907	645.032	657.907	673.383	658.017	655.979
55.0	617.675	598.533	591.322	598.533	617.675	601.646	602.168
57.5	555.870	543.748	537.431	543.748	555.870	546.359	548.890
60.0	493.393	489.405	483.028	489.405	493.393	492.961	494.337
62.5	434.711	435.033	430.252	435.033	434.711	438.919	437.935
65.0	381.614	382.869	379.887	382.869	381.614	382.859	379.284
67.5	331.841	332.674	330.224	332.674	331.841	329.129	327.271
70.0	283.926	285.522	285.121	285.522	283.926	279.778	279.959
72.5	238.833	241.132	239.495	241.132	238.833	235.910	237.406
75.0	196.762	196.351	193.468	196.351	196.762	192.806	193.418
77.5	155.827	148.395	141.275	148.395	155.827	143.635	141.014

IES ROAD REPORT
PHOTOMETRIC FILENAME : WCP-03L-DA-W-40.IES

CANDELA TABULATION - (Cont.)

80.0	107.490	100.299	94.284	100.299	107.490	96.162	94.505
82.5	59.555	60.148	54.714	60.148	59.555	57.526	54.995
85.0	29.215	29.577	26.252	29.577	29.215	28.221	25.138
87.5	10.696	10.445	9.219	10.445	10.696	9.983	7.954
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

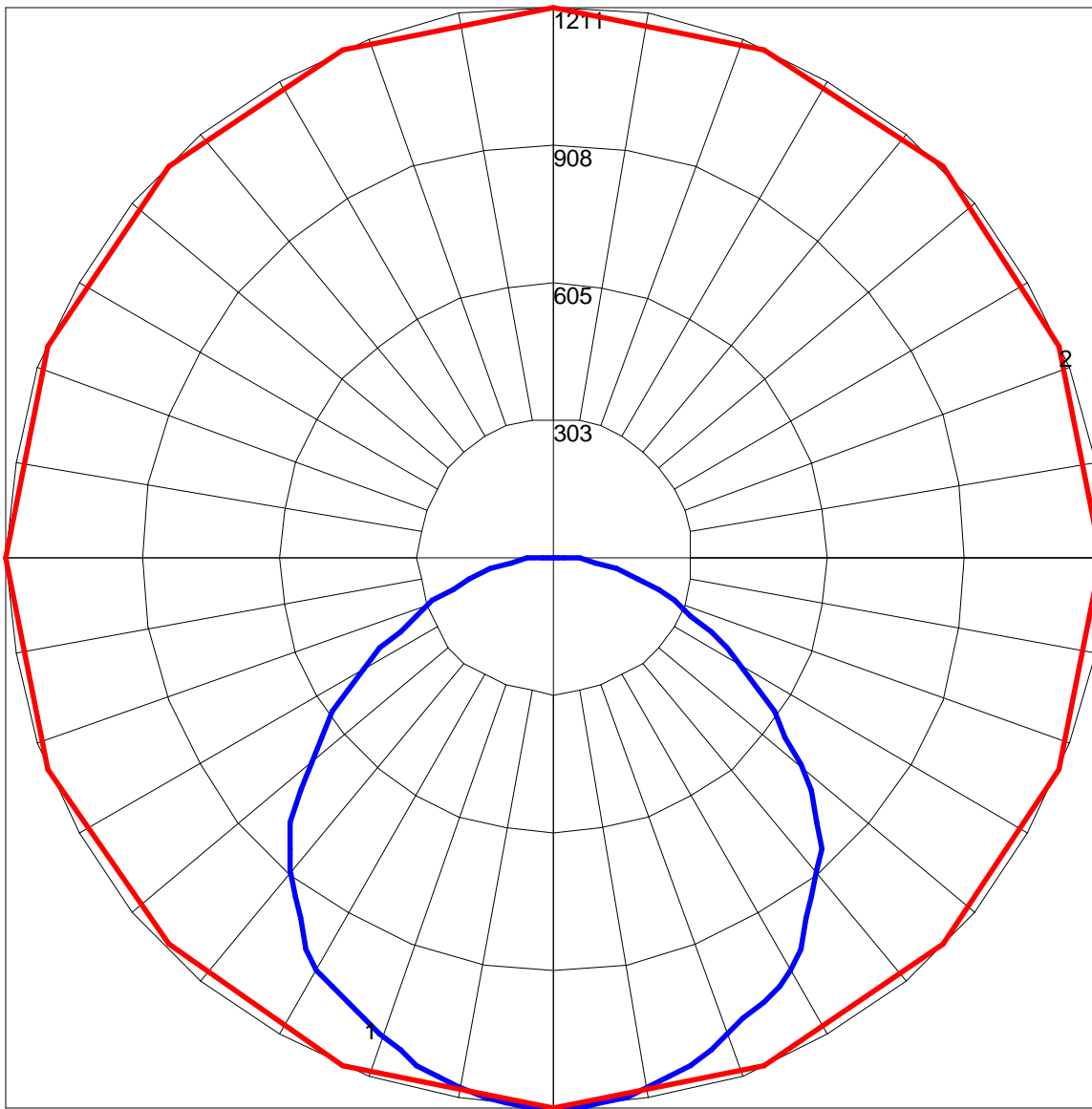
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

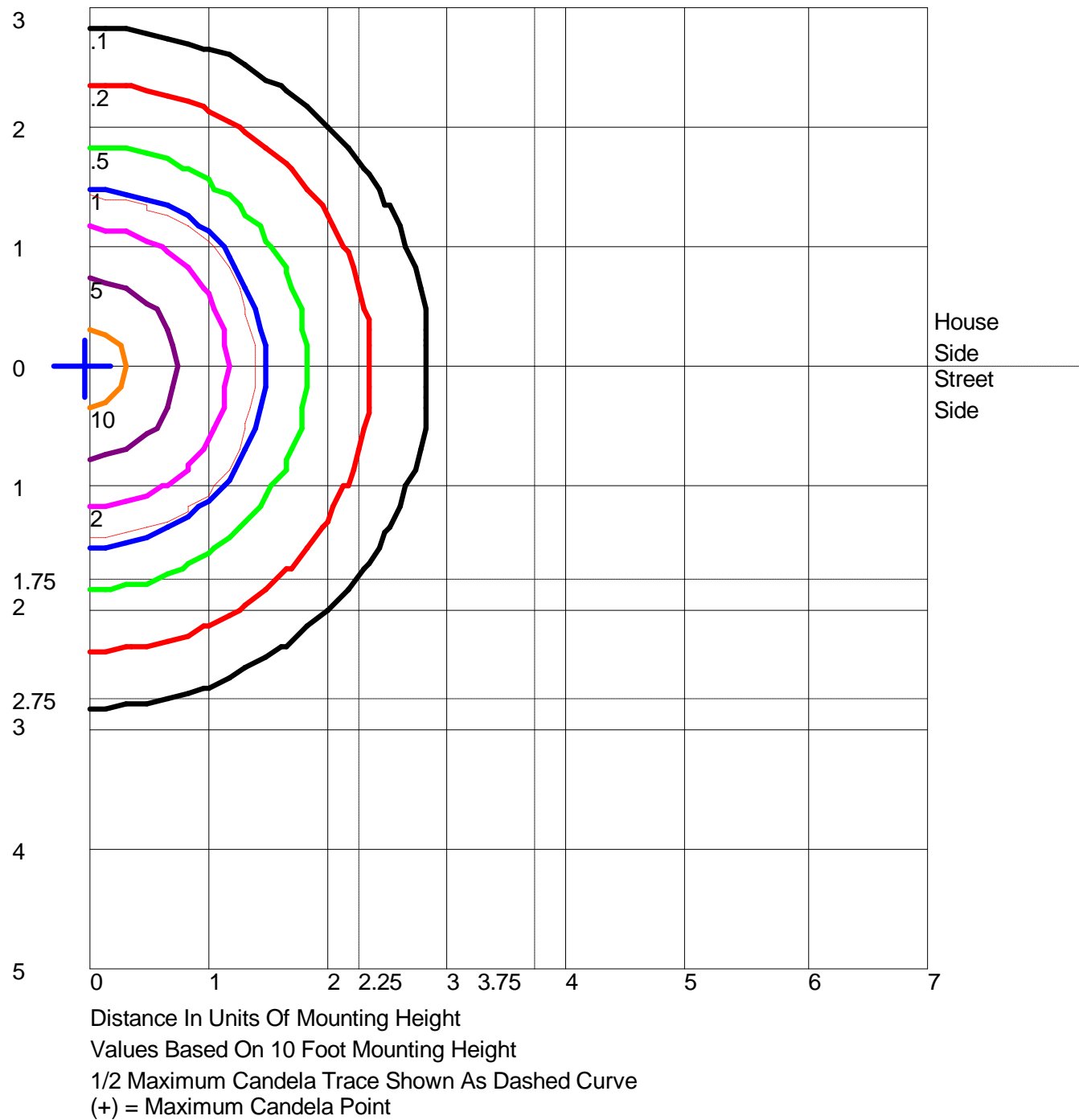
	Lumens	Percent Of Luminaire
Downward Street Side	1681.6	50.0
Downward House Side	1681.6	50.0
Downward Total	3363.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3363.2	100.0

POLAR GRAPH

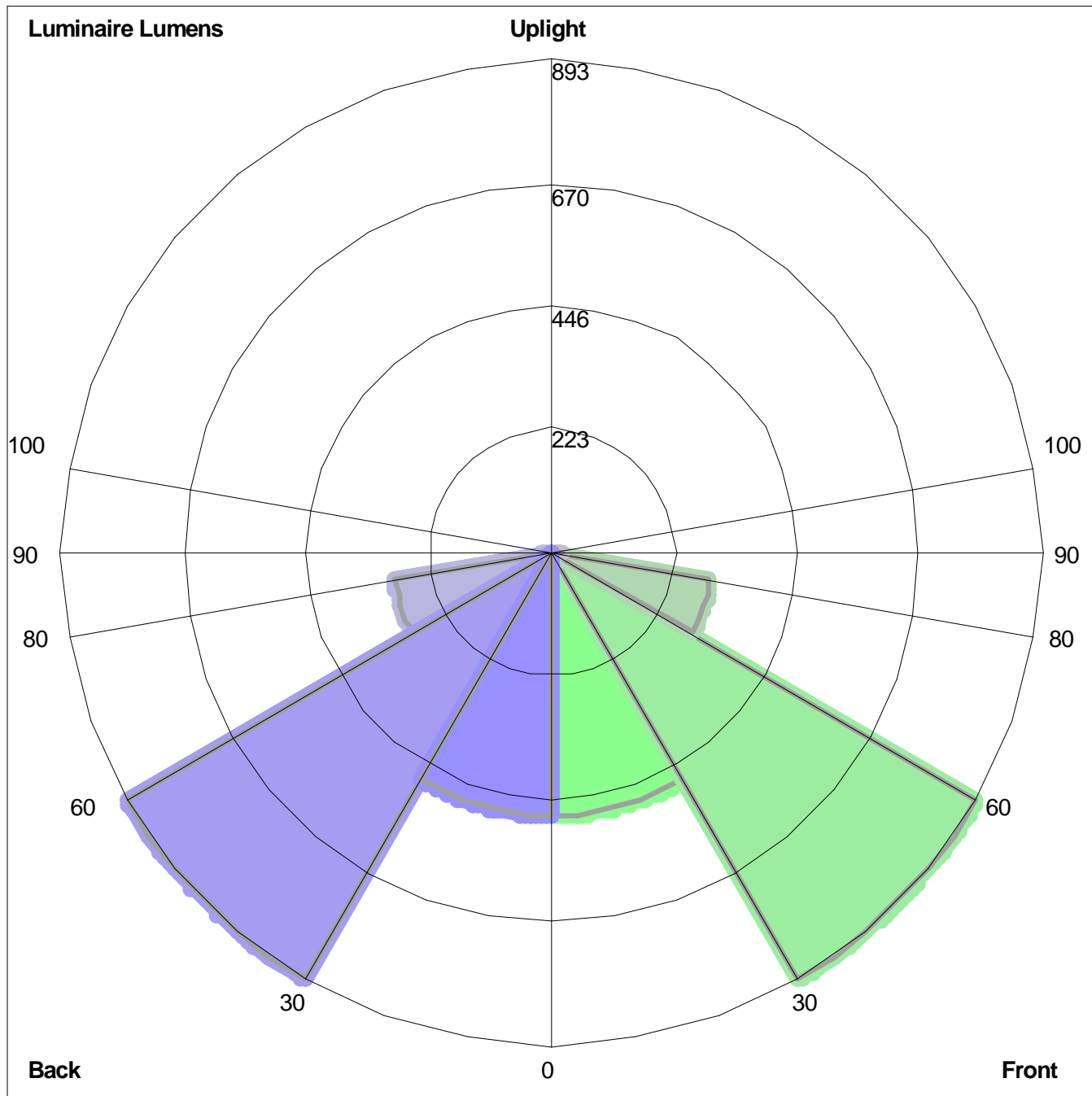


Maximum Candela = 1210.744 Located At Horizontal Angle = 270, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=477.2, Medium=892.9, High=291.5, Very High=19.8
Back: Low=477.2, Medium=892.9, High=291.5, Very High=19.8
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1