



IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR7-LED-10L-PC-LV-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9376_SCALED
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]03/09/2018
[TEST DATE]11/17/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]CBR7-LED-10L-PC-LV-30
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[_TEMP0][OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]SCALED FROM ORIGINAL TEST DATA

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	450
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	26
Total Luminaire Watts	17.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	251.16
Maximum Candela Angle	0H 47.5V
Maximum Candela (<90 Degrees Vertical)	251.16
Maximum Candela Angle (<90 Degrees Vertical)	0H 47.5V
Maximum Candela At 90 Degrees Vertical	4.6 (1.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.2 (2.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2.0	N.A.	0.4
FM - Front-Medium (30-60)	189.4	N.A.	42.1
FH - Front-High (60-80)	27.0	N.A.	6.0
FVH - Front-Very High (80-90)	3.2	N.A.	0.7
BL - Back-Low (0-30)	2.0	N.A.	0.4
BM - Back-Medium (30-60)	189.4	N.A.	42.1
BH - Back-High (60-80)	27.0	N.A.	6.0
BVH - Back-Very High (80-90)	3.2	N.A.	0.7
UL - Uplight-Low (90-100)	3.2	N.A.	0.7
UH - Uplight-High (100-180)	3.4	N.A.	0.8
Total	449.8	N.A.	100.0
BUG Rating	B0-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60
2.5	3.68	4.60	4.60	4.60	3.68	3.68	3.68	4.60	5.52	6.44
5.0	12.88	9.20	7.36	4.60	2.76	3.68	9.20	5.52	5.52	3.68
7.5	0.92	2.76	2.76	2.76	8.28	6.44	4.60	4.60	8.28	7.36
10.0	0.92	2.76	0.92	1.84	2.76	8.28	4.60	7.36	5.52	8.28
12.5	1.84	0.92	1.84	0.92	4.60	3.68	5.52	5.52	6.44	4.60
15.0	1.84	1.84	1.84	1.84	5.52	7.36	5.52	8.28	3.68	5.52
17.5	1.84	1.84	1.84	1.84	1.84	2.76	7.36	6.44	2.76	3.68
20.0	1.84	1.84	1.84	1.84	1.84	1.84	1.84	4.60	5.52	4.60
22.5	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	3.68	3.68
25.0	2.76	3.68	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
27.5	3.68	3.68	3.68	3.68	3.68	3.68	4.60	4.60	4.60	4.60
30.0	11.04	11.04	9.20	15.64	15.64	15.64	17.48	20.24	27.60	26.68
32.5	41.40	39.56	37.72	37.72	46.00	59.80	51.52	51.52	51.52	59.80
35.0	77.28	93.84	108.56	102.12	104.88	92.92	102.12	107.64	103.04	103.04
37.5	188.60	172.96	154.56	157.32	145.36	154.56	153.64	151.80	144.44	150.88
40.0	181.24	193.20	200.56	198.72	200.56	182.16	182.16	199.64	198.72	188.60
42.5	231.84	235.52	229.08	230.92	217.12	218.04	218.96	218.04	207.00	199.64
45.0	222.64	231.84	246.56	231.84	247.48	235.52	231.84	243.80	240.12	237.36
47.5	251.16	243.80	241.96	240.12	243.80	234.60	238.28	235.52	217.12	234.60
50.0	223.56	225.40	216.20	218.96	199.64	218.96	216.20	207.00	211.60	219.88
52.5	174.80	181.24	204.24	195.96	196.88	185.84	184.00	185.84	193.20	183.08
55.0	165.60	159.16	152.72	153.64	149.04	159.16	148.12	162.84	155.48	149.04
57.5	120.52	121.44	119.60	118.68	117.76	124.20	118.68	121.44	120.52	122.36
60.0	91.08	94.76	99.36	99.36	96.60	89.24	98.44	89.24	96.60	94.76
62.5	63.48	60.72	61.64	58.88	58.88	57.96	57.04	61.64	52.44	58.88
65.0	34.04	34.04	32.20	35.88	31.28	34.04	34.04	34.96	31.28	34.04
67.5	21.16	23.00	23.00	23.00	23.00	21.16	23.92	22.08	20.24	22.08
70.0	15.64	15.64	15.64	15.64	15.64	15.64	16.56	15.64	15.64	14.72
72.5	14.72	13.80	13.80	12.88	12.88	12.88	13.80	13.80	12.88	12.88
75.0	11.96	11.96	11.04	11.04	11.04	11.04	11.96	11.96	11.04	11.04
77.5	10.12	10.12	10.12	9.20	10.12	10.12	10.12	10.12	10.12	10.12
80.0	9.20	8.28	8.28	8.28	8.28	8.28	8.28	8.28	8.28	7.36
82.5	7.36	7.36	7.36	6.44	6.44	7.36	7.36	6.44	6.44	6.44
85.0	6.44	6.44	5.52	5.52	5.52	5.52	6.44	5.52	5.52	5.52
87.5	4.60	4.60	4.60	4.60	4.60	4.60	5.52	4.60	4.60	4.60
90.0	4.60	4.60	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
92.5	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
95.0	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76
97.5	2.76	2.76	2.76	1.84	1.84	2.76	2.76	2.76	2.76	2.76
100.0	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
102.5	1.84	1.84	1.84	0.92	0.92	1.84	0.92	0.92	1.84	0.92
105.0	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
107.5	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
110.0	0.92	0.92	0.92	0.92	0.00	0.00	0.92	0.92	0.00	0.92
112.5	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
115.0	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
117.5	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
120.0	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
122.5	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
125.0	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
127.5	0.92	0.92	0.92	0.92	0.92	0.92	0.00	0.00	0.92	0.92
130.0	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

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CANDELA TABULATION - (Cont.)

132.5	0.92	0.00	0.00	0.00	0.92	0.00	0.92	0.00	0.00	0.00
135.0	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.00
137.5	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
142.5	0.92	0.00	0.92	0.00	0.92	0.92	0.92	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.00	0.92	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

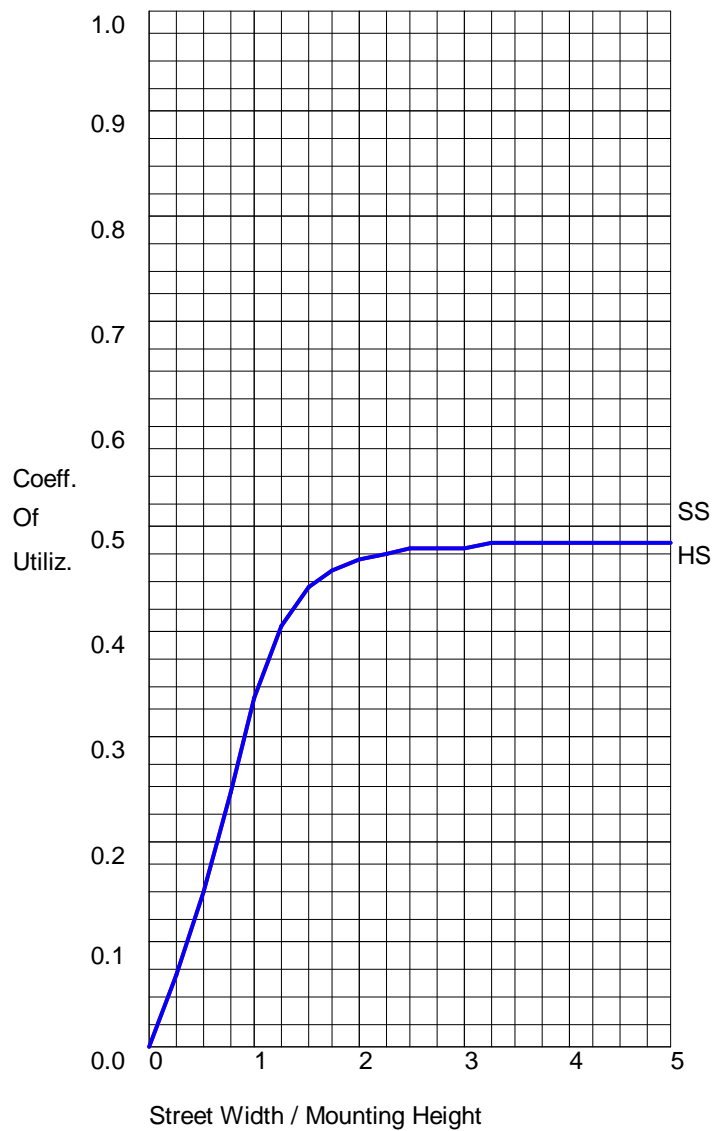
	<u>90</u>
0.0	4.60
2.5	7.36
5.0	3.68
7.5	4.60
10.0	8.28
12.5	1.84
15.0	2.76
17.5	8.28
20.0	5.52
22.5	2.76
25.0	2.76
27.5	5.52
30.0	25.76
32.5	57.04
35.0	101.20
37.5	149.04
40.0	186.76
42.5	200.56
45.0	228.16
47.5	238.28
50.0	215.28
52.5	194.12
55.0	137.08
57.5	107.64
60.0	95.68
62.5	60.72
65.0	28.52
67.5	19.32
70.0	14.72
72.5	12.88
75.0	11.04
77.5	9.20

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CANDELA TABULATION - (Cont.)

80.0	8.28
82.5	6.44
85.0	5.52
87.5	4.60
90.0	3.68
92.5	3.68
95.0	2.76
97.5	2.76
100.0	1.84
102.5	1.84
105.0	0.92
107.5	0.92
110.0	0.00
112.5	0.92
115.0	0.92
117.5	0.92
120.0	0.00
122.5	0.92
125.0	0.92
127.5	0.92
130.0	0.92
132.5	0.00
135.0	0.92
137.5	0.00
140.0	0.00
142.5	0.00
145.0	0.00
147.5	0.00
150.0	0.00
152.5	0.00
155.0	0.00
157.5	0.00
160.0	0.00
162.5	0.00
165.0	0.00
167.5	0.00
170.0	0.00
172.5	0.00
175.0	0.00
177.5	0.00
180.0	0.00

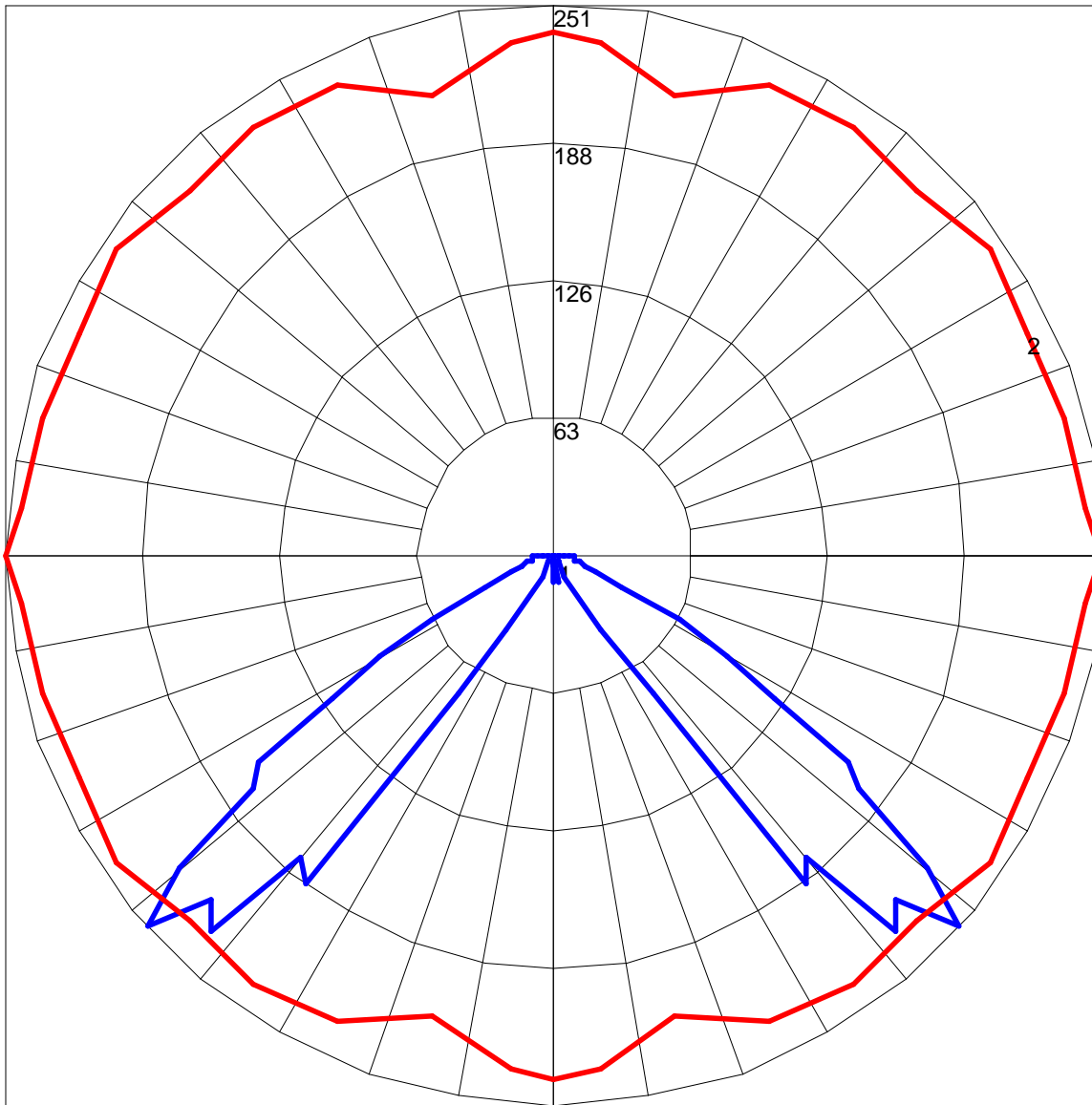
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

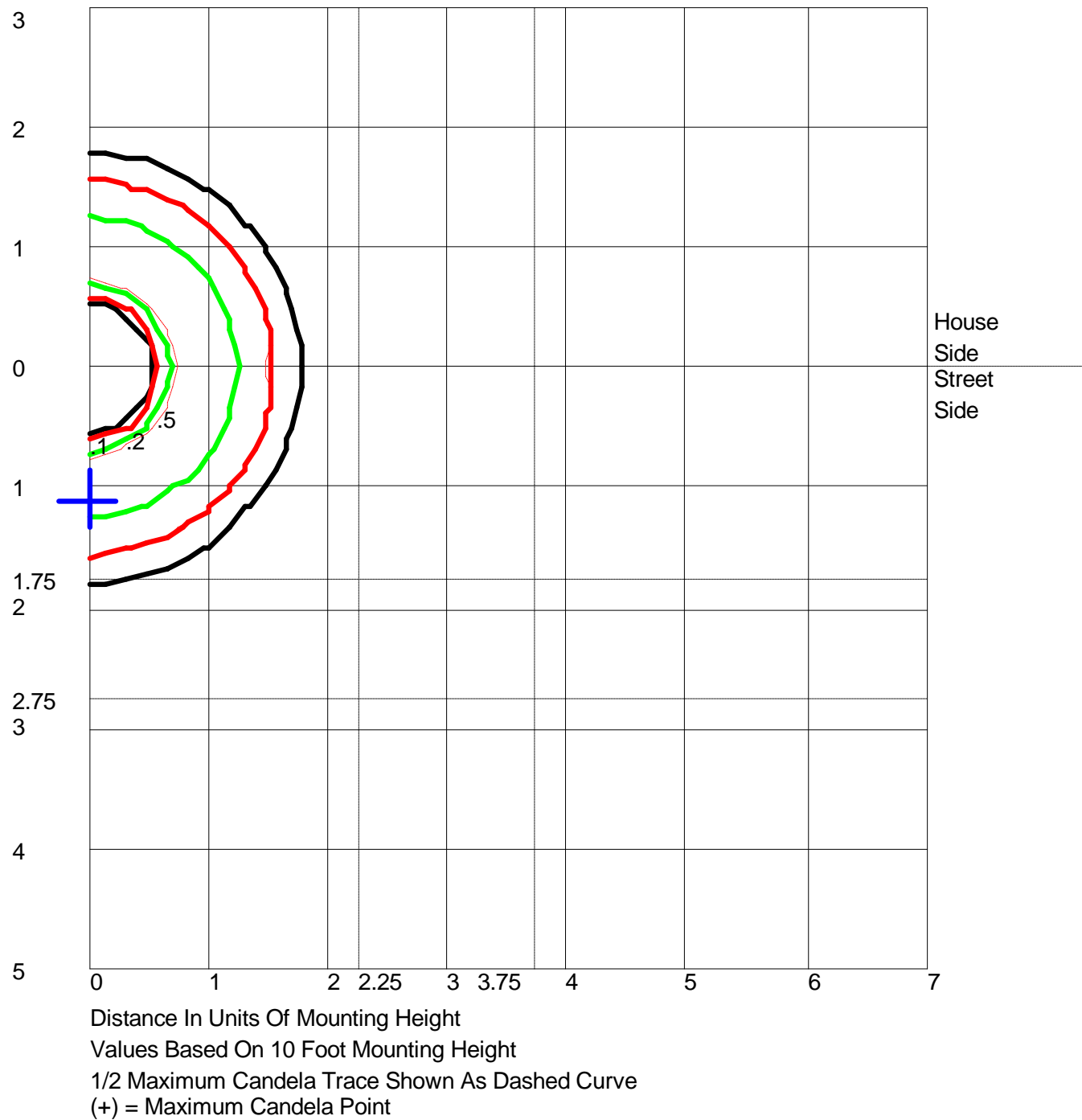
	Lumens	Percent Of Luminaire
Downward Street Side	221.5	49.3
Downward House Side	221.5	49.3
Downward Total	443.0	98.5
Upward Street Side	3.3	0.7
Upward House Side	3.3	0.7
Upward Total	6.6	1.5
Total Flux	449.6	100.0

POLAR GRAPH

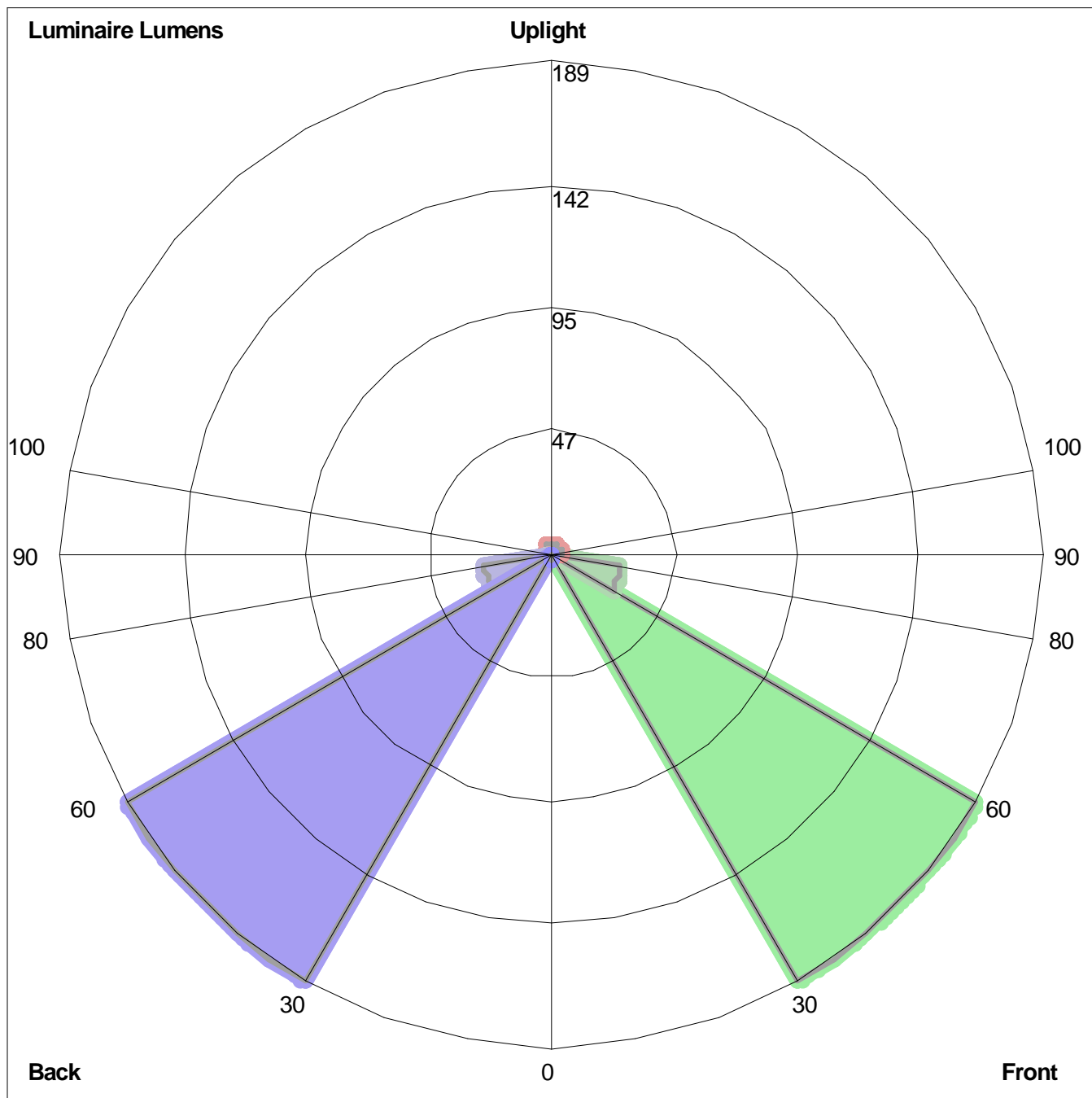


Maximum Candela = 251.16 Located At Horizontal Angle = 0, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2.0, Medium=189.4, High=27.0, Very High=3.2
Back: Low=2.0, Medium=189.4, High=27.0, Very High=3.2
Uplight: Low=3.2, High=3.4

BUG Rating : B0-U1-G0