



IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR7-LED-10L-PC-LV-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9375
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]11/16/17
[TEST DATE]11/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]CBR7-LED-10L-PC-LV-50
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[TEMP0][OTHER]TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	507
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	29
Total Luminaire Watts	17.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Maximum Candela	283
Maximum Candela Angle	75H 47.5V
Maximum Candela (<90 Degrees Vertical)	283
Maximum Candela Angle (<90 Degrees Vertical)	75H 47.5V
Maximum Candela At 90 Degrees Vertical	5 (1.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	11 (2.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR7-LED-10L-PC-LV-50.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1.9	N.A.	0.4
FM - Front-Medium (30-60)	213.3	N.A.	42.1
FH - Front-High (60-80)	30.5	N.A.	6.0
FVH - Front-Very High (80-90)	3.8	N.A.	0.8
BL - Back-Low (0-30)	1.9	N.A.	0.4
BM - Back-Medium (30-60)	213.3	N.A.	42.1
BH - Back-High (60-80)	30.5	N.A.	6.0
BVH - Back-Very High (80-90)	3.8	N.A.	0.8
UL - Uplight-Low (90-100)	3.7	N.A.	0.7
UH - Uplight-High (100-180)	4.2	N.A.	0.8
Total	506.9	N.A.	100.0
BUG Rating	B0-U1-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR7-LED-10L-PC-LV-50.IES

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	3	3	3	3	3	3	3	3	3	3
2.5	8	7	5	3	2	1	1	1	1	1
5.0	1	1	6	3	4	4	1	1	1	1
7.5	1	4	2	3	5	2	3	4	1	1
10.0	1	4	4	4	6	1	3	1	2	1
12.5	2	4	2	7	2	2	1	2	2	1
15.0	2	8	3	2	5	1	5	1	1	1
17.5	3	5	5	7	2	2	2	2	2	2
20.0	3	5	4	5	2	2	2	2	2	2
22.5	2	2	2	3	3	3	3	3	3	3
25.0	3	3	3	3	3	3	3	3	3	3
27.5	5	4	4	5	4	4	4	4	4	4
30.0	23	26	21	20	17	18	16	17	22	29
32.5	56	61	62	59	59	38	50	63	44	28
35.0	119	121	110	102	105	114	121	114	102	123
37.5	157	171	162	163	163	173	178	196	197	182
40.0	226	215	209	209	240	216	223	230	238	237
42.5	252	248	238	240	242	249	264	254	263	268
45.0	252	257	282	260	255	251	268	270	274	275
47.5	283	272	280	268	258	280	278	274	283	276
50.0	233	230	240	250	262	233	245	239	238	225
52.5	212	208	225	216	208	216	213	197	211	220
55.0	172	175	169	176	171	173	171	179	168	169
57.5	129	135	134	137	139	125	130	134	123	122
60.0	98	101	110	97	106	96	101	102	100	100
62.5	70	71	72	67	67	70	69	63	61	65
65.0	37	38	41	44	35	38	40	39	34	36
67.5	22	24	25	25	23	24	25	27	24	24
70.0	19	19	19	18	18	18	19	19	18	17
72.5	16	17	16	16	15	16	16	16	15	15
75.0	14	14	14	13	13	14	14	14	13	13
77.5	12	12	12	12	11	11	12	12	11	11
80.0	11	10	10	10	10	10	10	10	9	9
82.5	8	9	9	8	8	8	9	9	8	8
85.0	7	7	7	7	6	7	7	7	6	6
87.5	6	6	6	6	5	6	6	6	5	5
90.0	5	5	5	5	5	5	5	5	5	5
92.5	4	4	4	4	4	4	4	4	4	3
95.0	4	3	3	4	3	3	4	3	3	3
97.5	3	3	3	3	3	3	3	3	2	2
100.0	2	2	2	2	2	2	2	2	2	2
102.5	2	2	2	2	2	2	2	1	2	1
105.0	1	2	1	1	1	1	1	1	1	1
107.5	1	1	1	1	1	1	1	1	1	1
110.0	1	1	1	1	1	1	1	1	1	1
112.5	1	1	1	1	1	1	1	1	1	1
115.0	1	1	1	1	1	1	1	1	1	1
117.5	1	1	1	1	1	1	1	1	1	1
120.0	1	1	1	1	1	1	1	1	1	1
122.5	1	1	1	1	1	0	1	1	1	1
125.0	1	1	1	1	1	0	1	1	1	1
127.5	1	1	1	1	1	1	1	1	1	1
130.0	1	1	1	1	1	1	1	1	1	1

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR7-LED-10L-PC-LV-50.IES

CANDELA TABULATION - (Cont.)

132.5	1	1	1	1	1	1	1	1	1	1
135.0	1	1	1	1	1	1	1	1	1	1
137.5	1	1	1	1	1	1	1	1	1	1
140.0	0	0	1	0	0	0	1	0	0	0
142.5	0	0	0	0	1	0	1	0	1	0
145.0	1	1	0	0	1	0	1	0	0	0
147.5	1	0	1	1	1	1	0	0	1	1
150.0	0	0	0	0	0	0	1	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	1	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles

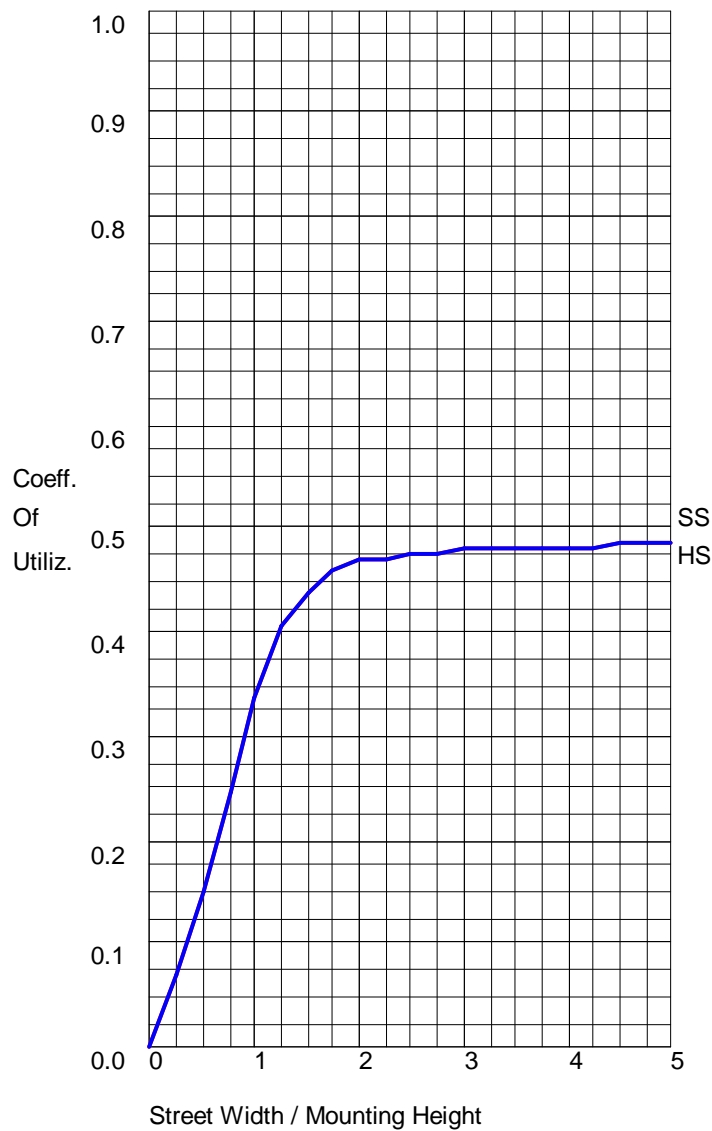
	<u>90</u>
0.0	3
2.5	1
5.0	1
7.5	1
10.0	1
12.5	1
15.0	1
17.5	2
20.0	2
22.5	3
25.0	3
27.5	4
30.0	30
32.5	22
35.0	131
37.5	179
40.0	221
42.5	280
45.0	282
47.5	263
50.0	223
52.5	217
55.0	165
57.5	117
60.0	104
62.5	67
65.0	32
67.5	23
70.0	17
72.5	15
75.0	12
77.5	11

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR7-LED-10L-PC-LV-50.IES

CANDELA TABULATION - (Cont.)

80.0	9
82.5	7
85.0	6
87.5	5
90.0	4
92.5	4
95.0	3
97.5	2
100.0	2
102.5	1
105.0	1
107.5	1
110.0	1
112.5	1
115.0	1
117.5	1
120.0	1
122.5	1
125.0	1
127.5	1
130.0	1
132.5	1
135.0	1
137.5	1
140.0	0
142.5	1
145.0	0
147.5	0
150.0	0
152.5	0
155.0	0
157.5	0
160.0	0
162.5	0
165.0	0
167.5	0
170.0	0
172.5	0
175.0	0
177.5	0
180.0	0

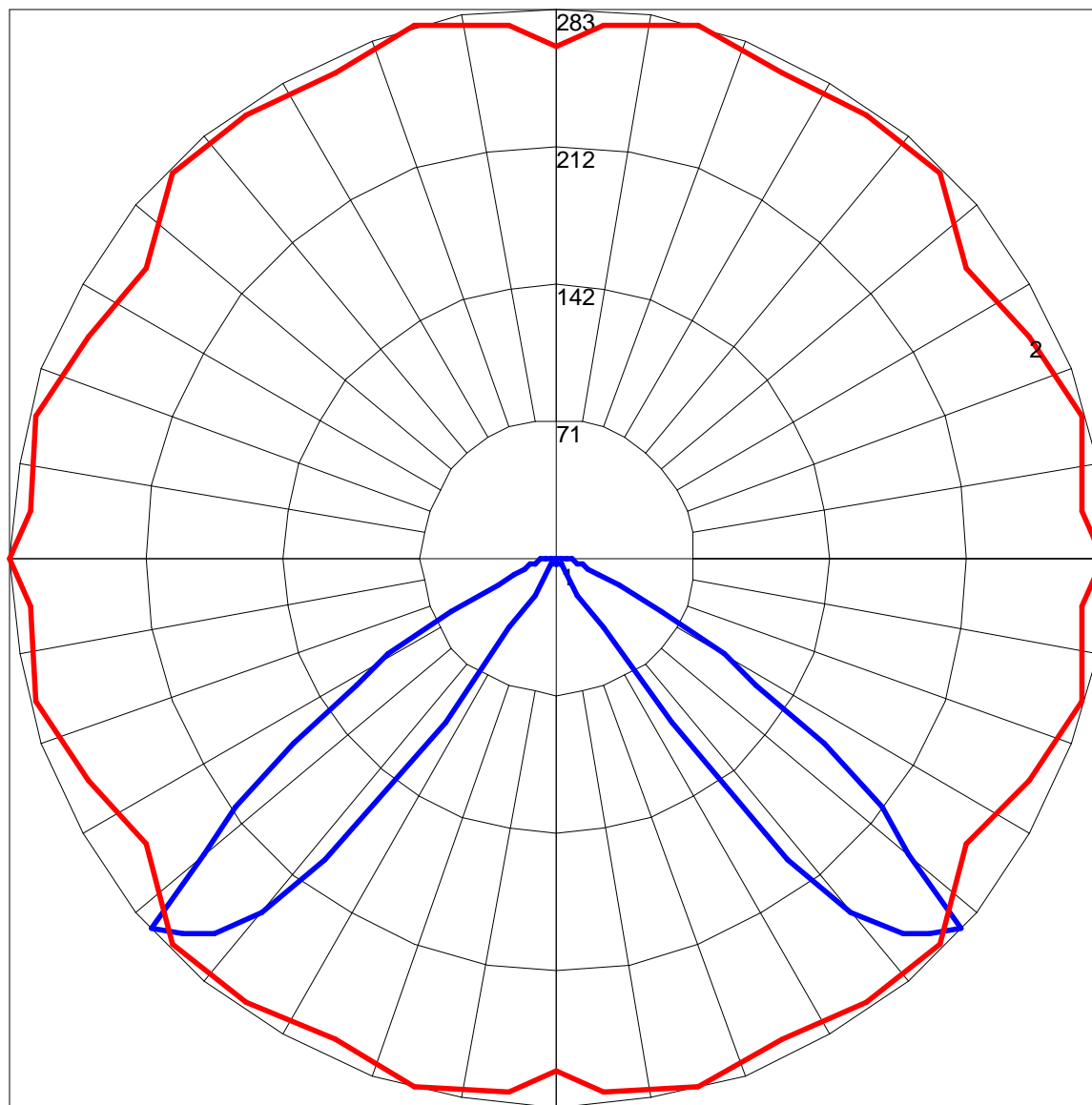
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

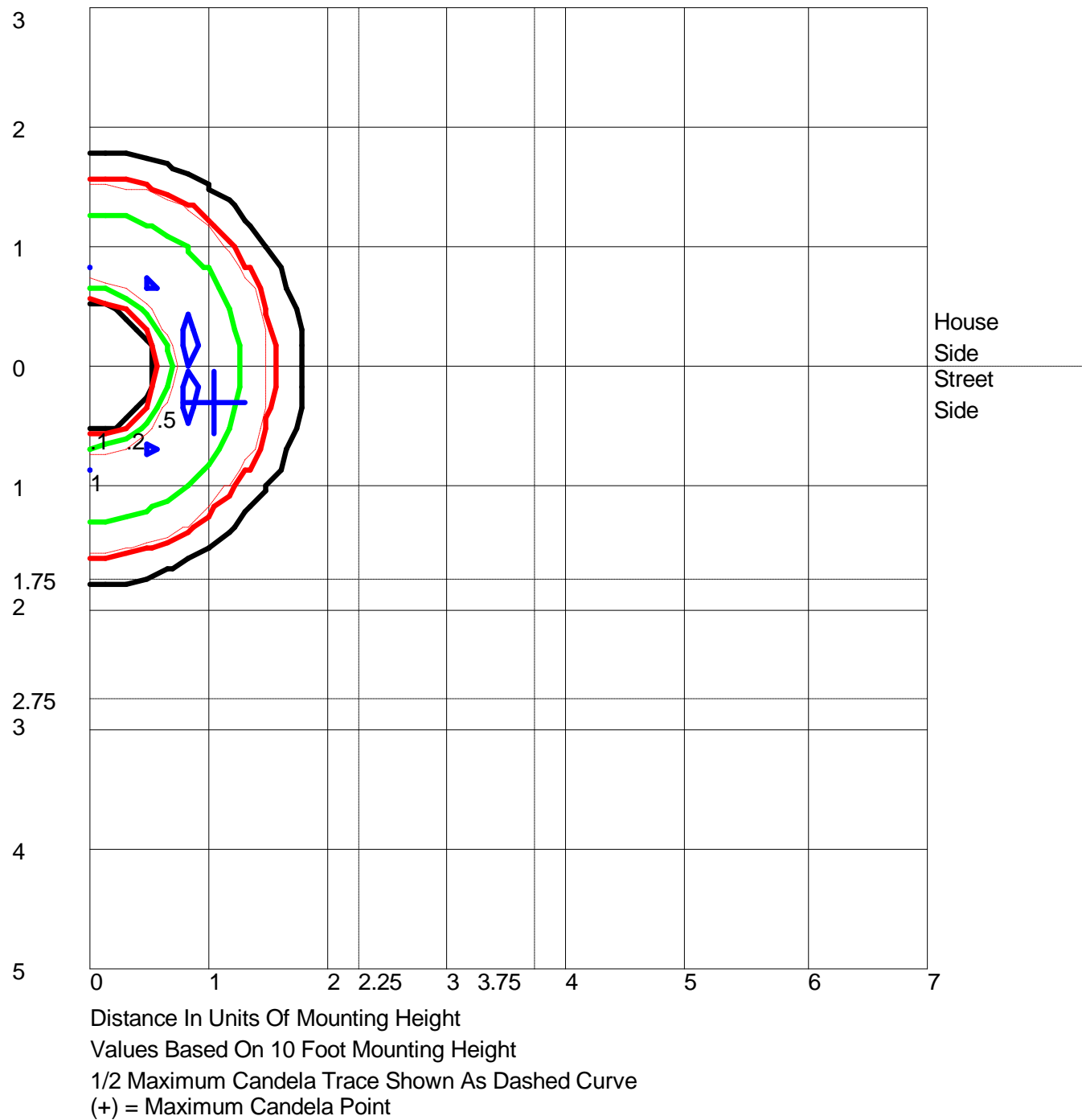
	Lumens	Percent Of Luminaire
Downward Street Side	249.5	49.2
Downward House Side	249.5	49.2
Downward Total	499.0	98.4
Upward Street Side	3.9	0.8
Upward House Side	3.9	0.8
Upward Total	7.8	1.5
Total Flux	506.8	100.0

POLAR GRAPH

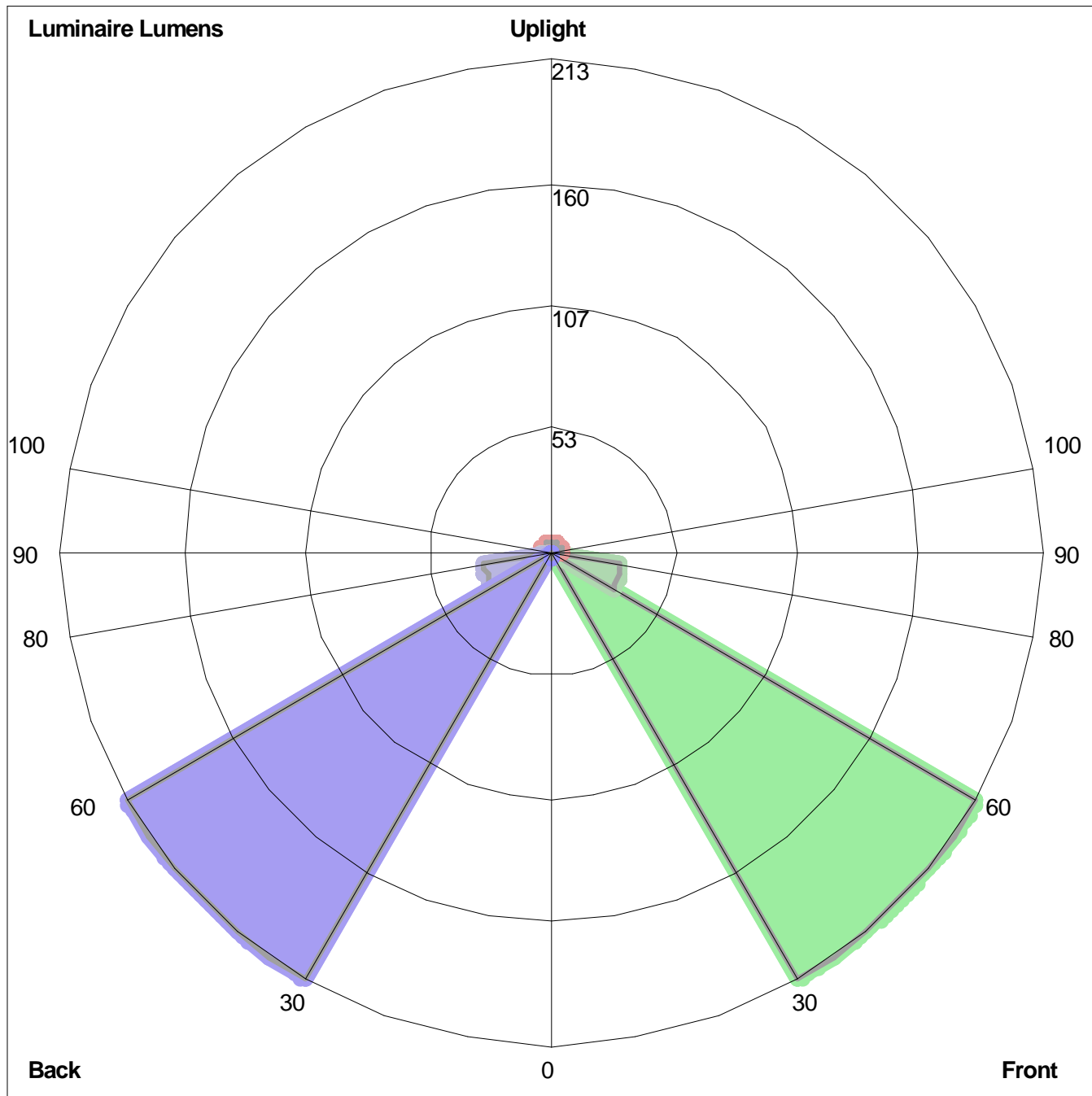


Maximum Candela = 283 Located At Horizontal Angle = 75, Vertical Angle = 47.5
1 - Vertical Plane Through Horizontal Angles (75 - 255) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1.9, Medium=213.3, High=30.5, Very High=3.8
Back: Low=1.9, Medium=213.3, High=30.5, Very High=3.8
Uplight: Low=3.7, High=4.2

BUG Rating : B0-U1-G0