



IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR7-LED-10L-PC-S-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9374
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]11/16/17
[TEST DATE]11/16/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]CBR7-LED-10L-PC-S-40
[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	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1281
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	17.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Maximum Candela	482
Maximum Candela Angle	55H 40V
Maximum Candela (<90 Degrees Vertical)	482
Maximum Candela Angle (<90 Degrees Vertical)	55H 40V
Maximum Candela At 90 Degrees Vertical	29 (2.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	40 (3.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	76.6	N.A.	6.0
FM - Front-Medium (30-60)	426.9	N.A.	33.3
FH - Front-High (60-80)	67.6	N.A.	5.3
FVH - Front-Very High (80-90)	18.0	N.A.	1.4
BL - Back-Low (0-30)	76.6	N.A.	6.0
BM - Back-Medium (30-60)	426.9	N.A.	33.3
BH - Back-High (60-80)	67.6	N.A.	5.3
BVH - Back-Very High (80-90)	18.0	N.A.	1.4
UL - Uplight-Low (90-100)	23.1	N.A.	1.8
UH - Uplight-High (100-180)	79.2	N.A.	6.2
Total	1280.5	N.A.	100.0
BUG Rating	B1-U3-G1		

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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	1	1	1	1	1	1	1	1	1	1
2.5	1	1	1	1	1	1	1	1	1	1
5.0	2	2	2	2	2	2	2	2	2	2
7.5	3	3	3	3	3	3	3	3	3	3
10.0	6	5	5	5	5	6	5	6	5	5
12.5	18	19	19	17	17	18	17	15	17	17
15.0	43	44	43	44	46	41	43	40	42	47
17.5	87	87	88	95	94	90	92	87	89	95
20.0	143	149	150	154	150	153	154	162	153	144
22.5	218	222	219	223	210	211	212	215	211	209
25.0	289	301	288	292	282	275	292	282	284	278
27.5	360	356	353	352	352	350	352	353	353	345
30.0	403	406	403	404	411	407	405	412	408	395
32.5	436	451	441	445	445	444	451	441	436	431
35.0	471	468	460	468	470	462	477	458	446	448
37.5	474	472	474	479	478	475	480	471	460	459
40.0	471	471	473	480	480	476	482	471	470	471
42.5	452	455	461	467	462	463	467	452	455	454
45.0	417	423	434	438	435	435	436	427	420	415
47.5	391	391	399	399	402	407	395	392	389	390
50.0	346	345	361	361	359	362	356	358	350	356
52.5	312	314	318	322	324	322	325	327	316	305
55.0	262	270	275	270	270	273	266	267	269	269
57.5	212	212	221	229	228	228	224	226	225	221
60.0	164	166	173	179	183	177	176	169	167	173
62.5	120	118	123	131	136	132	127	122	128	127
65.0	82	82	85	85	90	87	88	86	85	87
67.5	55	54	56	55	56	55	56	55	54	54
70.0	44	42	44	44	44	42	40	39	39	39
72.5	41	41	43	43	43	42	40	39	42	42
75.0	38	39	41	43	43	41	39	39	40	41
77.5	40	39	39	41	41	40	39	39	39	40
80.0	37	38	39	40	39	40	39	38	38	38
82.5	34	35	37	37	38	37	36	36	36	36
85.0	31	32	32	35	35	33	33	31	33	34
87.5	29	28	30	32	32	30	28	29	30	31
90.0	24	24	27	28	29	27	25	26	27	28
92.5	21	22	24	25	25	24	22	22	24	25
95.0	20	20	22	22	22	22	20	19	21	23
97.5	18	17	19	19	18	19	18	17	18	19
100.0	16	15	17	17	17	16	16	16	16	17
102.5	14	14	14	15	16	14	13	14	15	15
105.0	12	13	13	13	14	13	12	12	13	14
107.5	11	11	12	12	12	11	11	11	12	12
110.0	10	11	11	11	11	11	10	10	11	11
112.5	10	10	10	11	11	10	10	10	10	11
115.0	10	10	11	11	11	11	10	10	11	11
117.5	10	10	11	11	11	10	10	10	10	11
120.0	10	10	10	11	11	10	10	10	10	10
122.5	10	10	10	10	11	10	10	10	10	11
125.0	10	10	10	10	10	10	10	10	10	10
127.5	10	10	10	10	10	10	10	10	10	10
130.0	10	10	10	10	10	10	10	10	11	11

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CANDELA TABULATION - (Cont.)

132.5	11	10	11	11	11	11	11	11	11	11
135.0	11	11	11	12	12	11	11	11	12	12
137.5	12	12	12	13	12	12	12	12	12	13
140.0	13	13	14	14	14	13	13	13	14	14
142.5	16	16	16	16	16	16	15	15	16	16
145.0	18	18	18	19	19	18	18	18	18	18
147.5	20	21	21	22	22	21	21	21	21	22
150.0	23	24	25	25	25	25	24	24	24	25
152.5	28	29	30	31	30	29	28	29	28	29
155.0	32	33	35	35	34	34	33	33	33	34
157.5	36	37	40	40	39	38	38	39	39	40
160.0	39	40	43	42	42	42	43	43	44	44
162.5	38	38	39	40	41	44	45	44	45	45
165.0	19	19	21	28	35	40	41	42	42	42
167.5	10	10	12	18	23	27	31	33	33	34
170.0	2	2	3	6	10	14	17	18	19	19
172.5	0	0	0	1	2	3	5	5	5	5
175.0	0	0	0	0	0	0	1	1	1	1
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. Angles **Horizontal Angles**

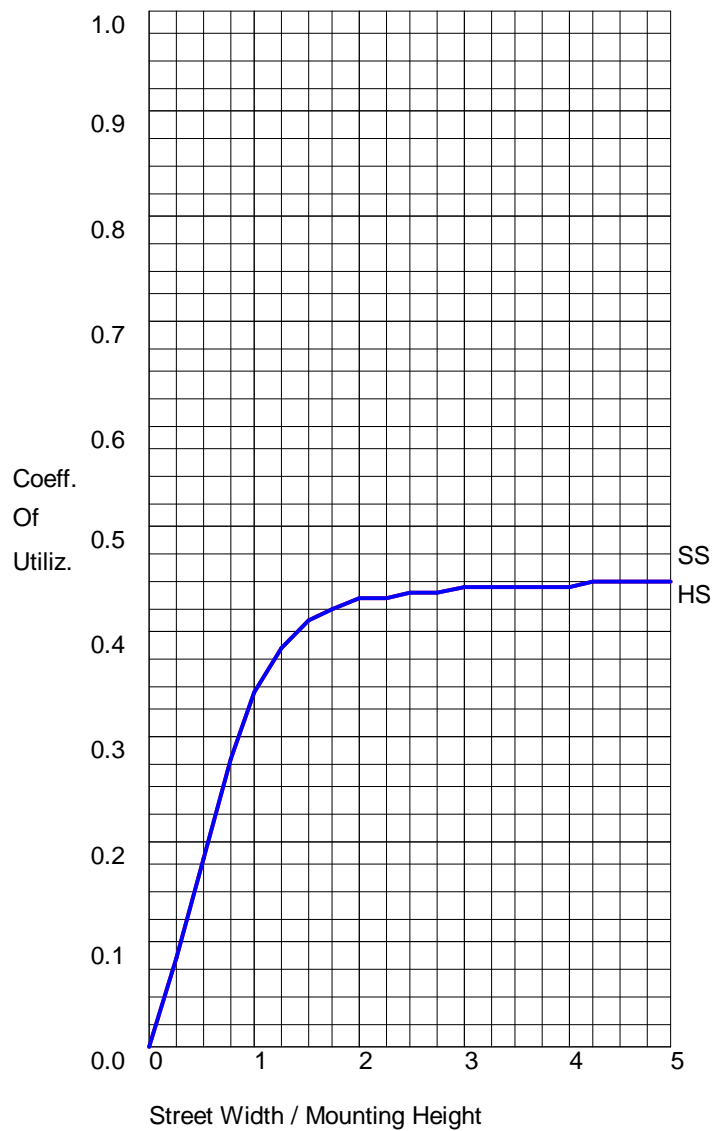
	<u>90</u>
0.0	1
2.5	1
5.0	2
7.5	3
10.0	5
12.5	16
15.0	53
17.5	92
20.0	152
22.5	213
25.0	284
27.5	346
30.0	394
32.5	426
35.0	448
37.5	459
40.0	466
42.5	441
45.0	415
47.5	385
50.0	348
52.5	300
55.0	268
57.5	219
60.0	175
62.5	122
65.0	88
67.5	54
70.0	37
72.5	42
75.0	41
77.5	40

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CANDELA TABULATION - (Cont.)

80.0	38
82.5	36
85.0	34
87.5	31
90.0	28
92.5	25
95.0	21
97.5	18
100.0	17
102.5	15
105.0	14
107.5	12
110.0	11
112.5	10
115.0	11
117.5	10
120.0	10
122.5	10
125.0	10
127.5	10
130.0	11
132.5	11
135.0	12
137.5	13
140.0	14
142.5	16
145.0	19
147.5	21
150.0	25
152.5	29
155.0	34
157.5	40
160.0	44
162.5	45
165.0	43
167.5	34
170.0	20
172.5	5
175.0	0
177.5	0
180.0	0

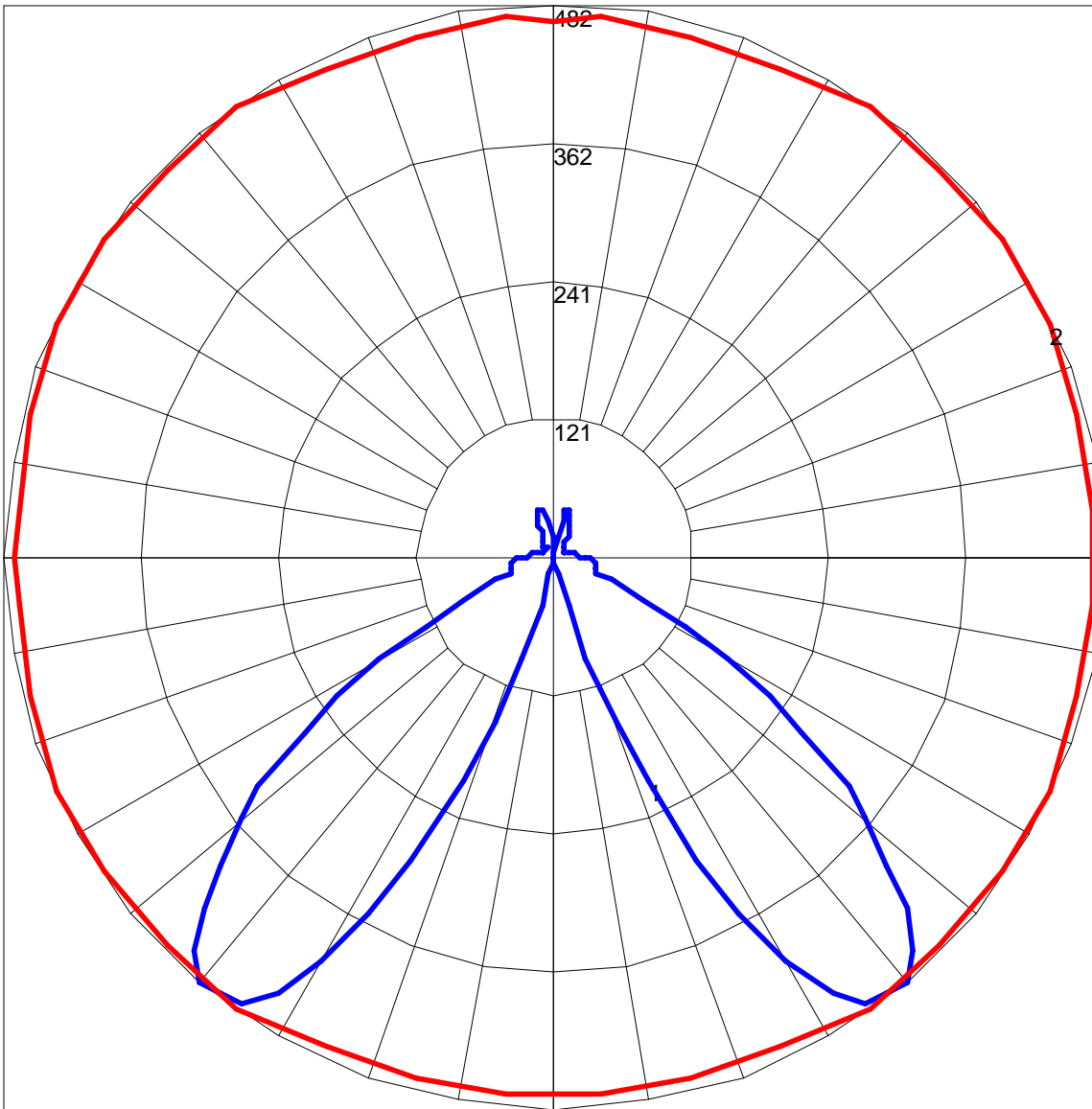
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

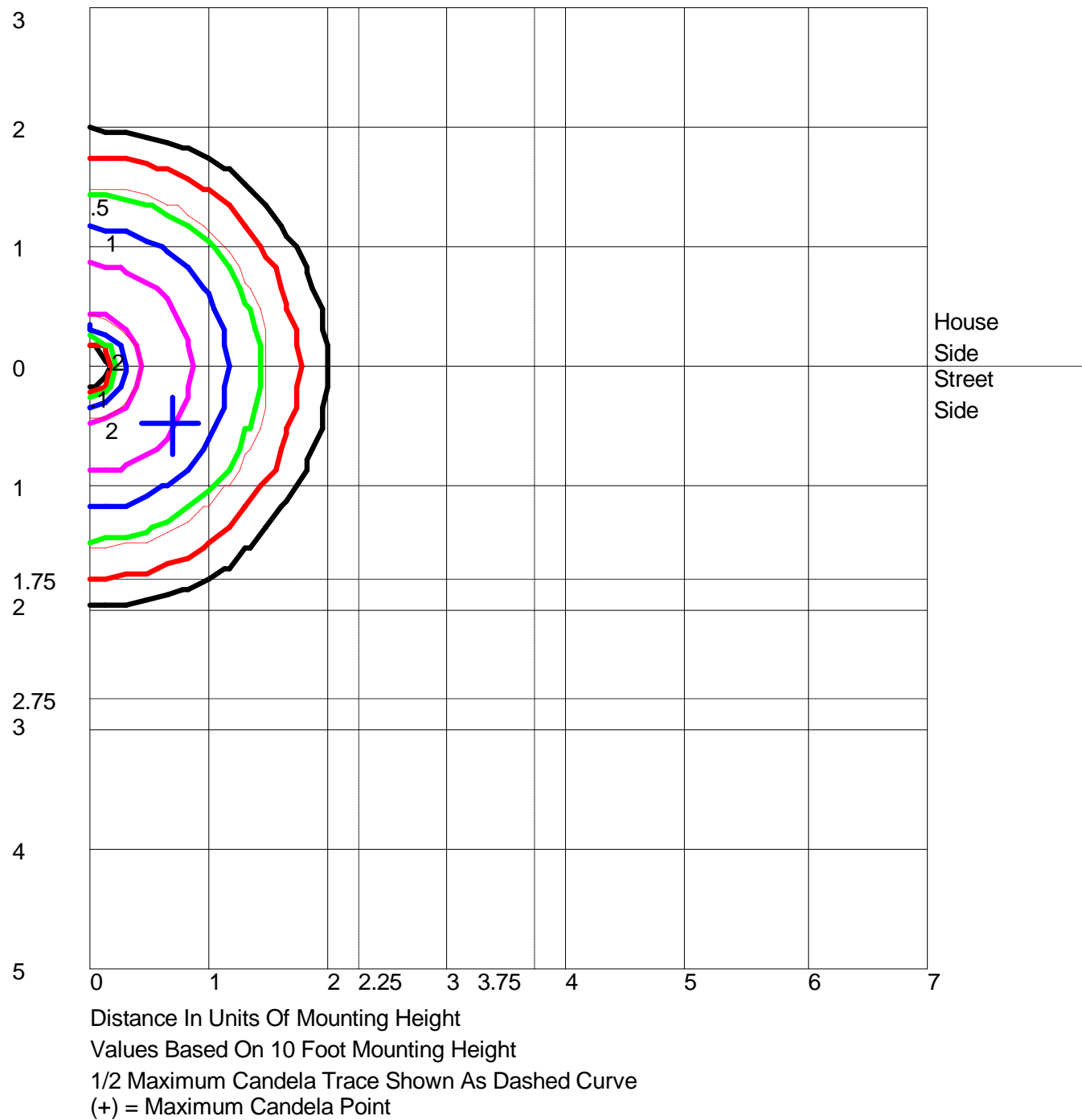
	Lumens	Percent Of Luminaire
Downward Street Side	589.2	46.0
Downward House Side	589.2	46.0
Downward Total	1178.4	92.0
Upward Street Side	51.2	4.0
Upward House Side	51.2	4.0
Upward Total	102.4	8.0
Total Flux	1280.8	100.0

POLAR GRAPH

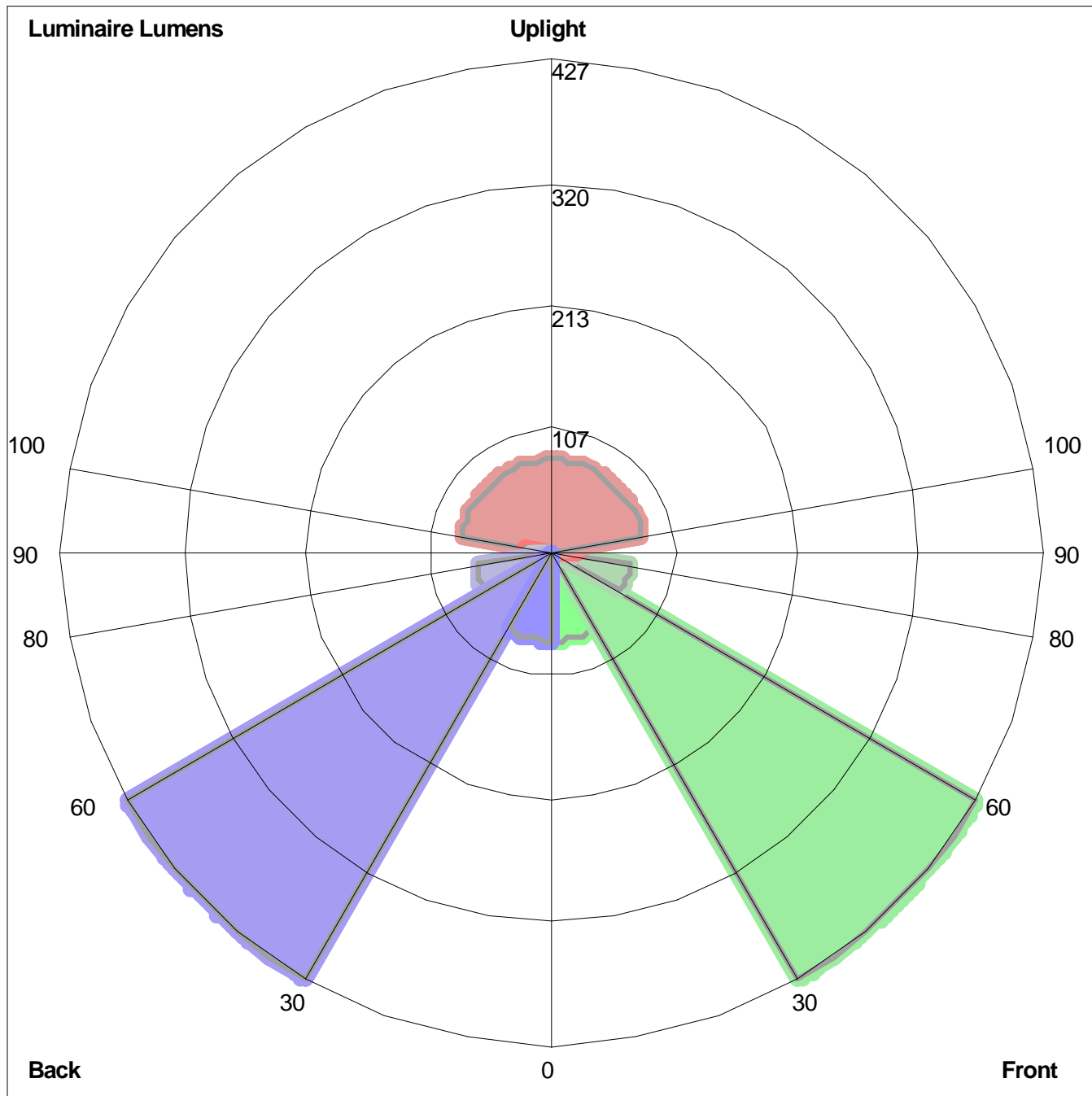


Maximum Candela = 482 Located At Horizontal Angle = 55, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=76.6, Medium=426.9, High=67.6, Very High=18.0
Back: Low=76.6, Medium=426.9, High=67.6, Very High=18.0
Uplight: Low=23.1, High=79.2

BUG Rating : B1-U3-G1