



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9739
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/19/18
[TEST DATE]02/19/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]CBR7-LED-10L-PC-A-40
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[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	1190
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	21.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	442
Maximum Candela Angle	55H 50V
Maximum Candela (<90 Degrees Vertical)	442
Maximum Candela Angle (<90 Degrees Vertical)	55H 50V
Maximum Candela At 90 Degrees Vertical	39 (3.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	41 (3.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	55.7	N.A.	4.7
FM - Front-Medium (30-60)	405.5	N.A.	34.1
FH - Front-High (60-80)	71.2	N.A.	6.0
FVH - Front-Very High (80-90)	18.8	N.A.	1.6
BL - Back-Low (0-30)	55.7	N.A.	4.7
BM - Back-Medium (30-60)	405.5	N.A.	34.1
BH - Back-High (60-80)	71.2	N.A.	6.0
BVH - Back-Very High (80-90)	18.8	N.A.	1.6
UL - Uplight-Low (90-100)	25.7	N.A.	2.2
UH - Uplight-High (100-180)	61.3	N.A.	5.2
Total	1189.4	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	0	1	1	1	0	1	0	1	1	0
5.0	1	2	2	2	1	1	2	1	2	2
7.5	3	3	3	3	3	3	2	3	3	3
10.0	3	4	5	4	4	4	4	4	5	5
12.5	6	6	8	7	7	8	8	7	7	8
15.0	20	15	25	21	20	19	20	12	14	15
17.5	59	48	47	34	36	38	38	54	62	44
20.0	84	86	81	89	125	103	117	92	97	109
22.5	144	154	120	156	151	159	140	157	149	153
25.0	210	228	219	203	225	229	237	242	204	206
27.5	256	249	251	259	310	270	268	278	262	268
30.0	256	296	289	295	341	350	339	325	323	332
32.5	294	303	308	338	356	360	348	357	352	362
35.0	287	317	325	341	377	361	387	393	380	374
37.5	309	327	338	354	378	395	411	397	396	388
40.0	320	336	350	372	391	401	421	412	411	400
42.5	311	330	358	367	399	401	428	417	419	412
45.0	316	334	350	363	399	409	442	431	426	414
47.5	313	320	339	349	386	397	437	433	429	414
50.0	298	304	330	354	386	402	442	426	422	420
52.5	265	294	295	330	370	378	426	407	386	365
55.0	260	300	286	289	301	324	356	359	350	326
57.5	205	231	237	253	266	276	322	322	299	270
60.0	164	166	202	202	211	249	288	283	257	242
62.5	108	98	105	133	154	155	166	185	197	180
65.0	65	65	77	91	88	119	155	162	133	124
67.5	32	32	40	44	42	41	48	55	56	44
70.0	22	23	25	27	29	28	27	26	28	29
72.5	26	26	28	31	31	31	31	30	32	31
75.0	29	30	31	33	33	32	33	34	36	34
77.5	28	30	32	34	37	35	37	37	39	40
80.0	29	30	34	39	39	39	39	37	38	41
82.5	27	30	33	38	38	37	38	37	38	39
85.0	27	28	33	35	35	36	38	39	38	36
87.5	27	29	31	31	33	31	33	35	35	36
90.0	24	27	27	28	29	28	28	30	34	36
92.5	20	21	25	27	25	26	23	24	32	34
95.0	16	17	22	22	24	23	21	21	27	28
97.5	14	15	21	19	21	22	19	20	29	25
100.0	13	13	18	16	18	20	16	17	25	20
102.5	13	13	16	15	16	20	16	15	20	18
105.0	13	11	14	15	16	19	14	14	17	17
107.5	10	10	10	12	12	14	11	12	14	14
110.0	8	8	9	9	10	10	10	10	12	11
112.5	7	7	8	8	8	8	8	9	9	9
115.0	6	6	7	7	8	8	7	7	8	8
117.5	6	7	7	7	8	8	8	8	8	8
120.0	7	7	7	8	8	8	8	8	8	8
122.5	7	7	8	8	8	8	8	8	9	9
125.0	7	7	8	8	8	9	8	8	9	9
127.5	8	8	8	9	9	9	9	9	9	10
130.0	8	8	8	9	9	9	9	9	9	10

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CANDELA TABULATION - (Cont.)

132.5	8	9	9	9	9	10	9	9	10	10
135.0	9	9	9	10	10	10	10	10	10	10
137.5	9	10	9	10	10	11	10	10	10	11
140.0	10	10	10	10	11	11	11	11	11	11
142.5	10	10	11	11	12	12	12	12	12	12
145.0	12	12	12	12	13	13	14	14	13	13
147.5	13	13	14	14	15	15	15	15	15	14
150.0	15	15	15	16	16	17	17	17	17	16
152.5	17	17	17	18	19	19	19	20	19	18
155.0	18	18	19	19	20	20	21	21	20	20
157.5	20	20	21	21	22	23	23	24	22	21
160.0	21	21	21	22	23	23	24	25	24	22
162.5	22	22	22	22	23	24	24	25	24	22
165.0	21	21	22	22	22	20	20	21	19	17
167.5	17	17	18	18	18	16	15	13	12	12
170.0	10	11	10	11	10	9	6	4	2	1
172.5	3	3	3	3	3	2	1	1	0	0
175.0	0	1	1	1	1	0	0	0	0	0
177.5	0	0	0	0	1	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

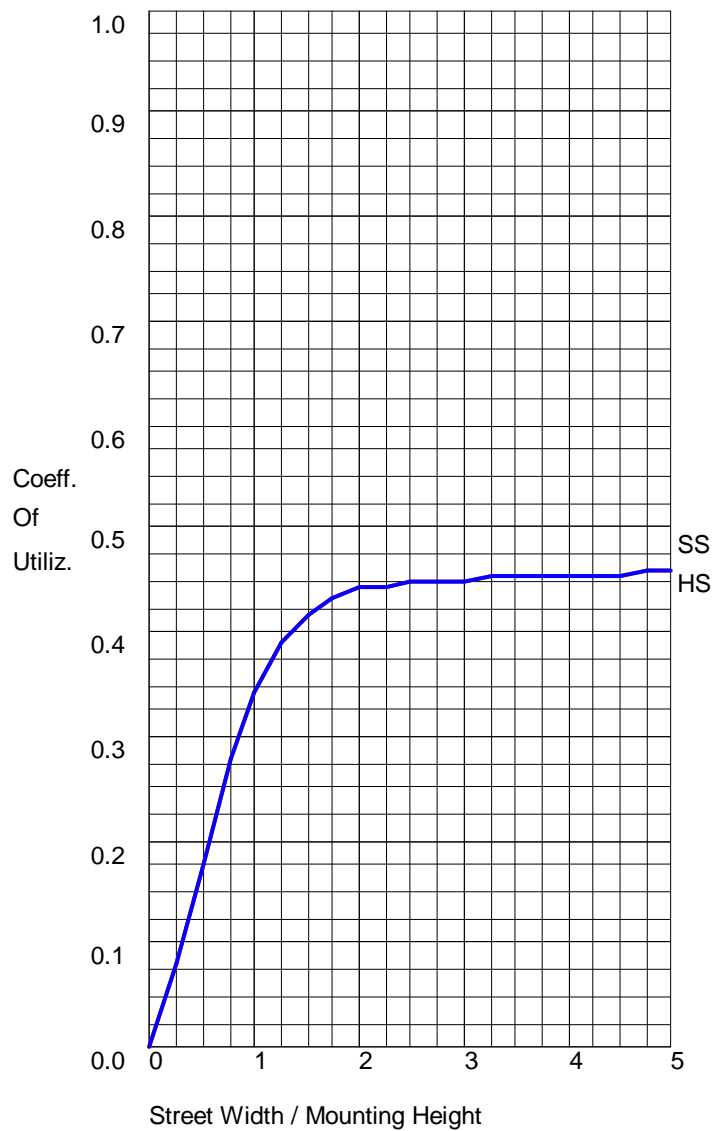
	<u>90</u>
0.0	1
2.5	1
5.0	1
7.5	3
10.0	4
12.5	7
15.0	14
17.5	52
20.0	100
22.5	159
25.0	226
27.5	289
30.0	319
32.5	364
35.0	388
37.5	399
40.0	408
42.5	411
45.0	413
47.5	406
50.0	415
52.5	367
55.0	323
57.5	262
60.0	235
62.5	176
65.0	124
67.5	49
70.0	29
72.5	31
75.0	33
77.5	39

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CANDELA TABULATION - (Cont.)

80.0	41
82.5	38
85.0	36
87.5	36
90.0	39
92.5	32
95.0	25
97.5	24
100.0	22
102.5	19
105.0	19
107.5	14
110.0	11
112.5	9
115.0	8
117.5	9
120.0	8
122.5	9
125.0	9
127.5	9
130.0	9
132.5	10
135.0	10
137.5	11
140.0	11
142.5	12
145.0	13
147.5	14
150.0	16
152.5	18
155.0	20
157.5	21
160.0	22
162.5	22
165.0	17
167.5	11
170.0	1
172.5	1
175.0	0
177.5	1
180.0	0

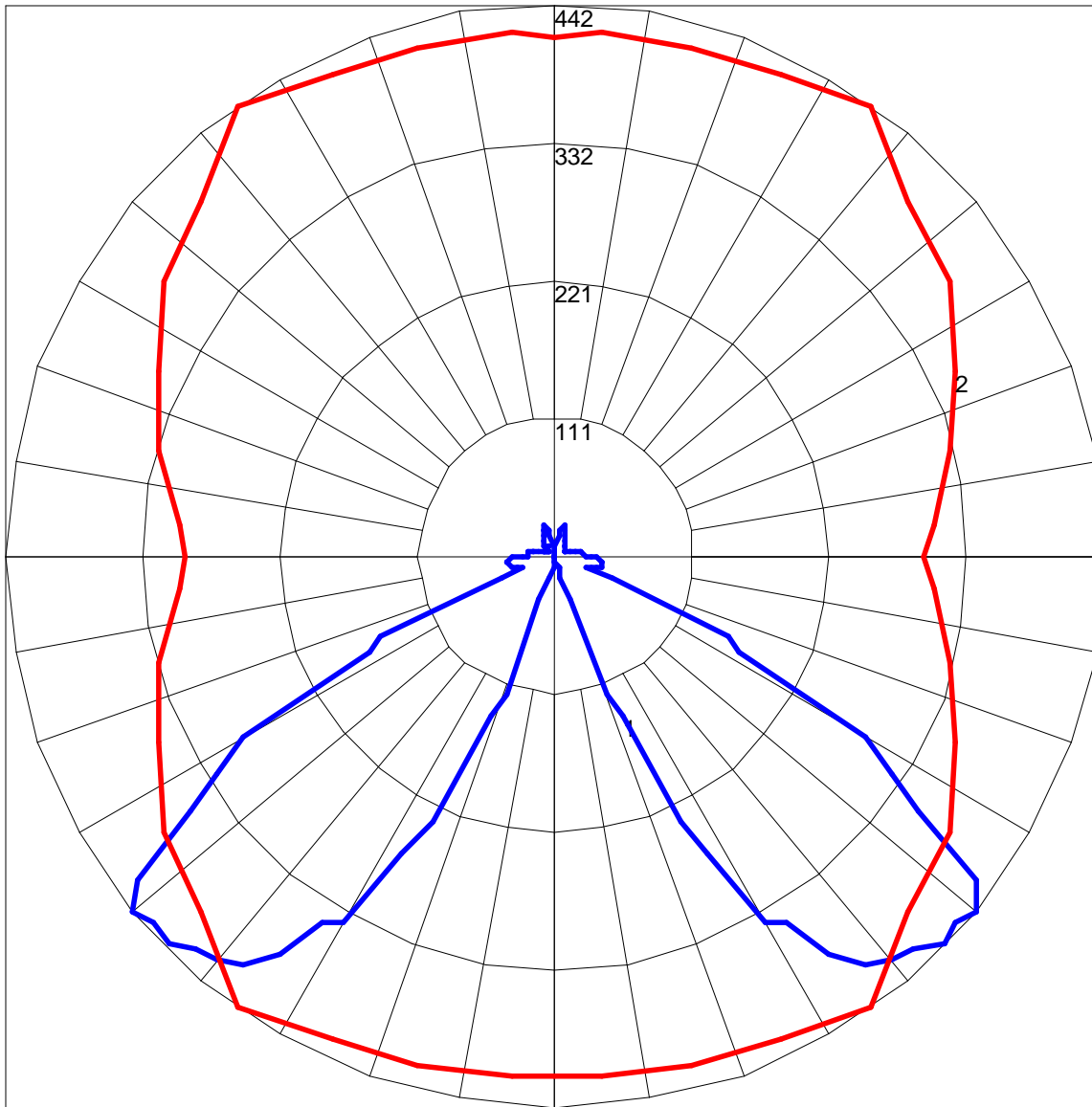
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

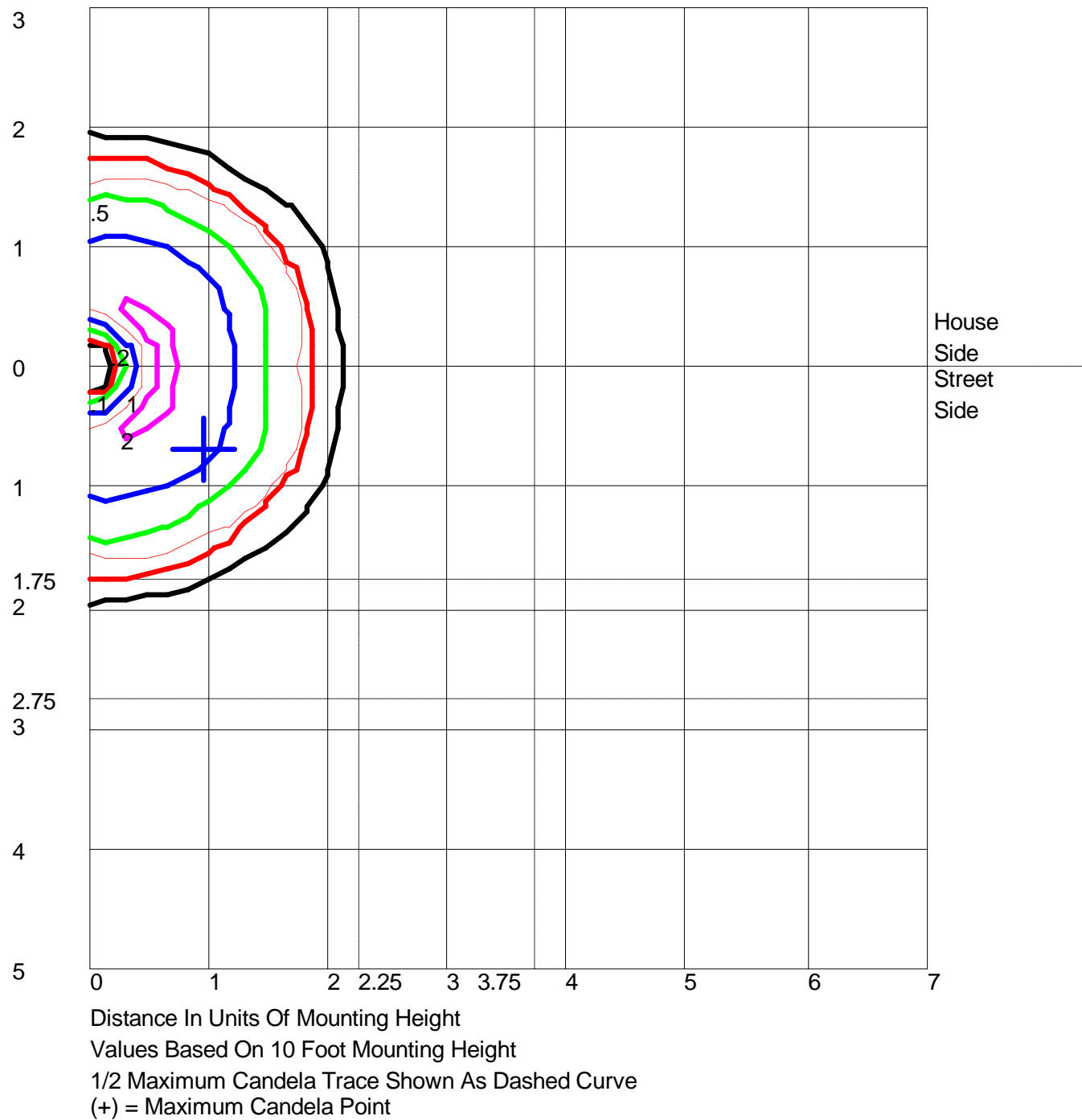
	Lumens	Percent Of Luminaire
Downward Street Side	551.3	46.3
Downward House Side	551.3	46.3
Downward Total	1102.6	92.7
Upward Street Side	43.5	3.7
Upward House Side	43.5	3.7
Upward Total	87.0	7.3
Total Flux	1189.6	100.0

POLAR GRAPH

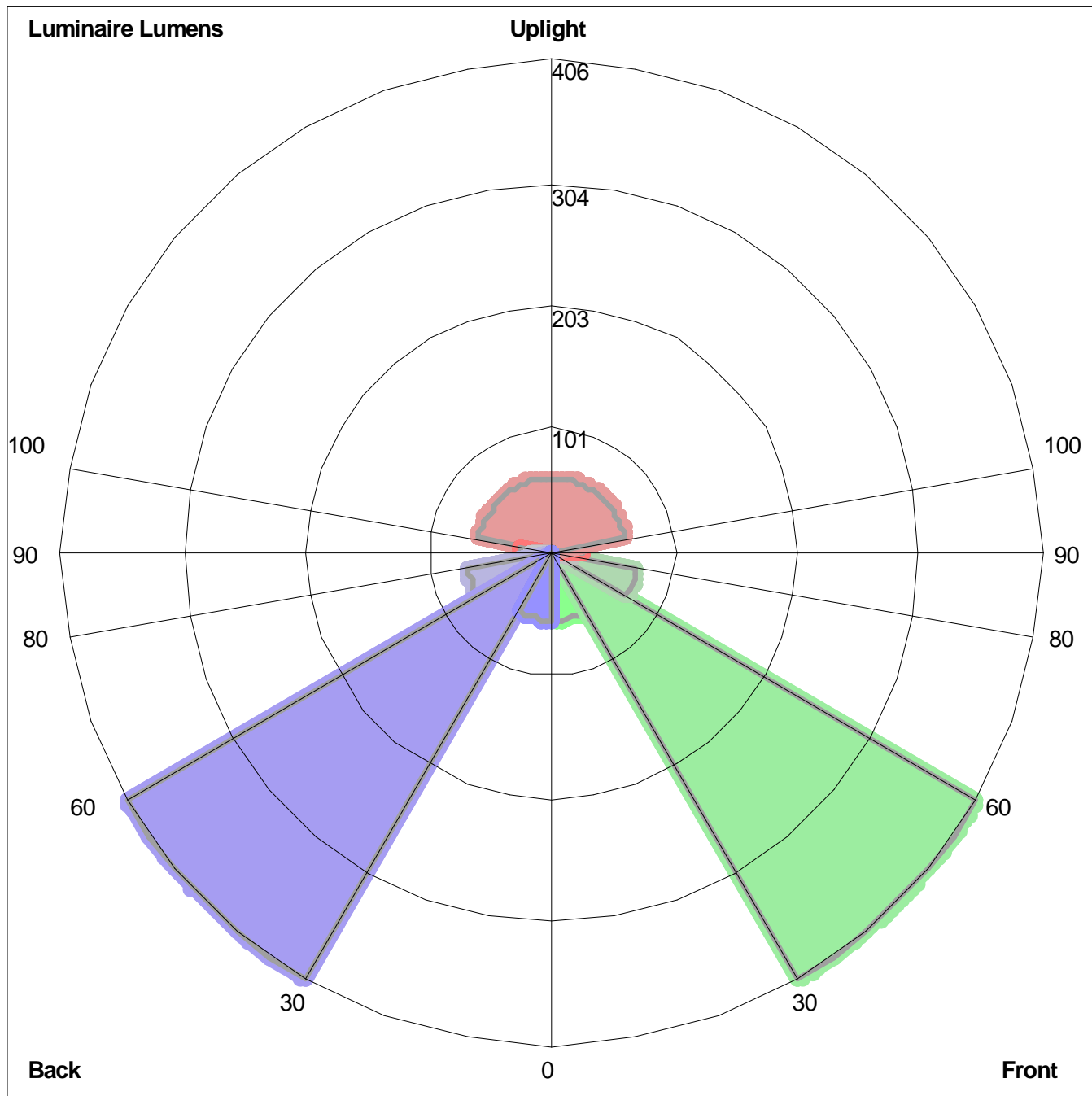


Maximum Candela = 442 Located At Horizontal Angle = 55, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=55.7, Medium=405.5, High=71.2, Very High=18.8
Back: Low=55.7, Medium=405.5, High=71.2, Very High=18.8
Uplight: Low=25.7, High=61.3

BUG Rating : B1-U3-G1