



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9377
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]11/17/17
[TEST DATE]11/17/17
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]CBR7-LED-10L-PC-S-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	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1311
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	17.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Maximum Candela	491
Maximum Candela Angle	25H 40V
Maximum Candela (<90 Degrees Vertical)	491
Maximum Candela Angle (<90 Degrees Vertical)	25H 40V
Maximum Candela At 90 Degrees Vertical	30 (2.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	41 (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)	77.4	N.A.	5.9
FM - Front-Medium (30-60)	434.5	N.A.	33.1
FH - Front-High (60-80)	70.2	N.A.	5.4
FVH - Front-Very High (80-90)	18.9	N.A.	1.4
BL - Back-Low (0-30)	77.4	N.A.	5.9
BM - Back-Medium (30-60)	434.5	N.A.	33.1
BH - Back-High (60-80)	70.2	N.A.	5.4
BVH - Back-Very High (80-90)	18.9	N.A.	1.4
UL - Uplight-Low (90-100)	24.9	N.A.	1.9
UH - Uplight-High (100-180)	83.8	N.A.	6.4
Total	1310.7	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	1	1	1	1	1	1	1	1	1	1
7.5	3	3	3	3	3	3	3	3	2	3
10.0	6	6	6	5	5	6	6	5	5	5
12.5	16	14	13	14	12	14	13	11	13	12
15.0	36	39	39	37	42	50	46	39	44	44
17.5	83	87	89	84	93	90	84	91	90	89
20.0	156	153	150	151	155	152	143	146	147	148
22.5	214	222	222	226	226	219	209	216	209	215
25.0	285	295	299	298	298	280	294	277	281	275
27.5	360	366	365	372	371	363	352	355	350	350
30.0	429	430	416	427	407	414	407	415	412	418
32.5	456	452	451	456	444	446	451	450	444	448
35.0	474	476	470	475	465	472	470	478	461	459
37.5	486	484	476	484	485	477	474	486	471	470
40.0	488	485	484	491	488	482	479	481	472	475
42.5	475	471	463	479	479	470	466	481	471	458
45.0	450	446	438	439	440	428	432	439	421	422
47.5	417	414	392	398	409	388	393	410	391	398
50.0	371	380	360	368	368	354	372	368	364	364
52.5	324	331	320	321	326	317	328	322	314	309
55.0	280	283	272	275	281	269	281	281	269	274
57.5	231	231	220	235	232	224	234	233	230	229
60.0	177	181	179	183	179	178	176	175	179	188
62.5	126	136	130	134	130	125	134	134	132	135
65.0	83	91	89	85	85	91	91	92	91	95
67.5	54	57	53	52	56	58	60	59	57	59
70.0	42	43	42	43	43	44	44	44	42	44
72.5	44	44	44	43	41	42	43	42	41	43
75.0	43	43	42	43	41	42	43	43	42	42
77.5	41	42	41	42	40	42	43	42	41	42
80.0	39	40	40	40	40	40	41	40	39	40
82.5	39	39	38	38	38	37	38	39	37	37
85.0	36	36	35	34	34	35	36	35	35	35
87.5	31	32	32	31	31	32	32	32	31	32
90.0	29	29	28	29	29	28	30	29	28	29
92.5	26	26	24	25	26	25	26	25	25	25
95.0	24	23	22	22	23	22	23	23	22	23
97.5	21	20	19	20	20	19	21	21	19	20
100.0	18	18	17	17	18	18	19	19	18	18
102.5	15	16	16	15	16	16	16	17	16	16
105.0	14	14	14	14	15	14	14	15	14	14
107.5	12	13	12	12	13	12	13	13	12	13
110.0	12	12	11	11	12	12	12	12	12	12
112.5	11	11	11	11	11	11	11	11	11	11
115.0	11	11	11	11	11	11	11	11	11	11
117.5	12	12	11	12	12	11	12	12	11	11
120.0	12	12	11	12	11	11	12	11	11	11
122.5	11	11	11	11	11	11	11	11	11	11
125.0	11	11	11	11	11	11	11	11	11	11
127.5	11	11	11	11	11	11	11	10	10	10
130.0	12	12	11	11	11	11	11	11	11	11

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CANDELA TABULATION - (Cont.)

132.5	12	12	12	12	11	11	12	11	11	11
135.0	13	13	12	12	12	12	12	12	12	12
137.5	14	14	13	13	13	12	13	13	13	12
140.0	16	16	15	14	14	14	14	14	14	14
142.5	18	18	17	16	16	16	16	16	16	17
145.0	21	21	20	19	19	19	19	19	19	19
147.5	24	23	23	22	22	22	22	22	22	22
150.0	28	27	26	25	25	26	26	26	26	25
152.5	32	31	31	30	29	29	29	30	30	29
155.0	36	35	35	35	34	33	34	35	35	34
157.5	35	35	38	40	41	39	40	41	41	40
160.0	41	41	41	44	45	44	44	45	44	43
162.5	40	40	41	42	43	44	45	46	44	43
165.0	24	24	25	30	36	39	41	42	41	40
167.5	15	15	17	20	24	28	31	31	31	31
170.0	3	3	4	6	10	13	15	15	16	16
172.5	0	0	0	1	2	3	3	3	3	4
175.0	0	0	0	0	0	0	0	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. Horizontal Angles

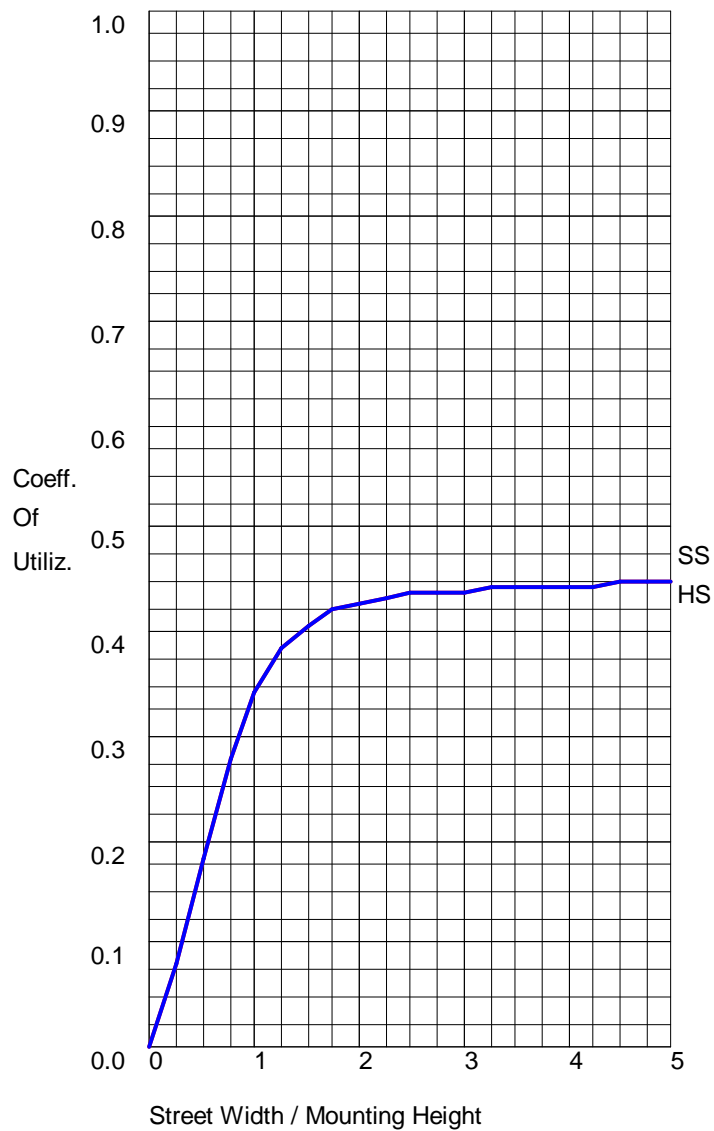
	<u>90</u>
0.0	1
2.5	1
5.0	1
7.5	2
10.0	5
12.5	13
15.0	42
17.5	90
20.0	144
22.5	217
25.0	280
27.5	335
30.0	420
32.5	460
35.0	459
37.5	472
40.0	468
42.5	472
45.0	428
47.5	392
50.0	364
52.5	301
55.0	270
57.5	216
60.0	184
62.5	144
65.0	95
67.5	60
70.0	44
72.5	43
75.0	42
77.5	42

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CANDELA TABULATION - (Cont.)

80.0	40
82.5	37
85.0	33
87.5	31
90.0	28
92.5	25
95.0	24
97.5	22
100.0	19
102.5	16
105.0	14
107.5	13
110.0	12
112.5	11
115.0	11
117.5	11
120.0	11
122.5	11
125.0	10
127.5	10
130.0	11
132.5	11
135.0	12
137.5	12
140.0	14
142.5	17
145.0	20
147.5	22
150.0	25
152.5	29
155.0	35
157.5	40
160.0	43
162.5	43
165.0	41
167.5	31
170.0	16
172.5	4
175.0	1
177.5	0
180.0	0

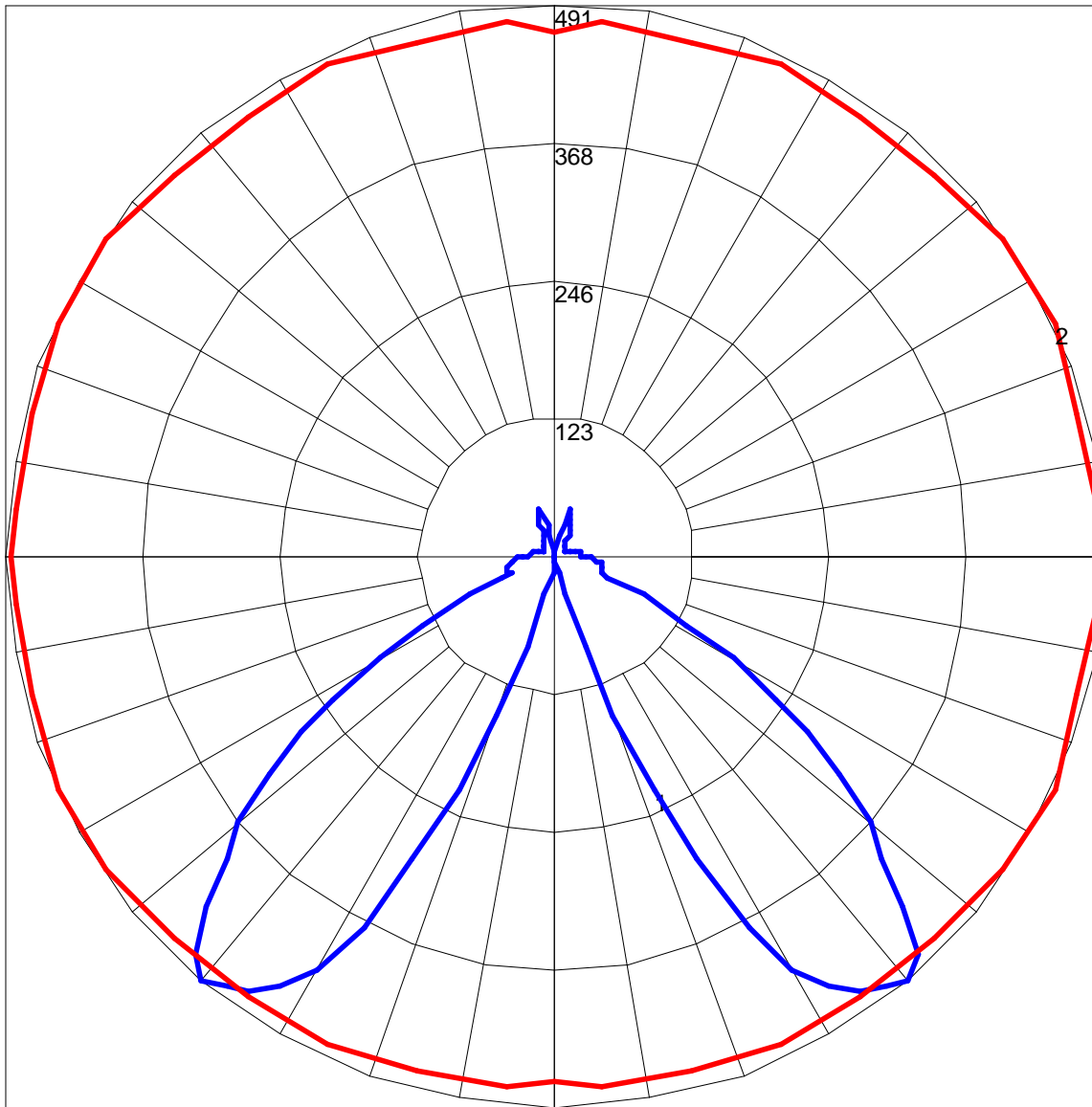
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

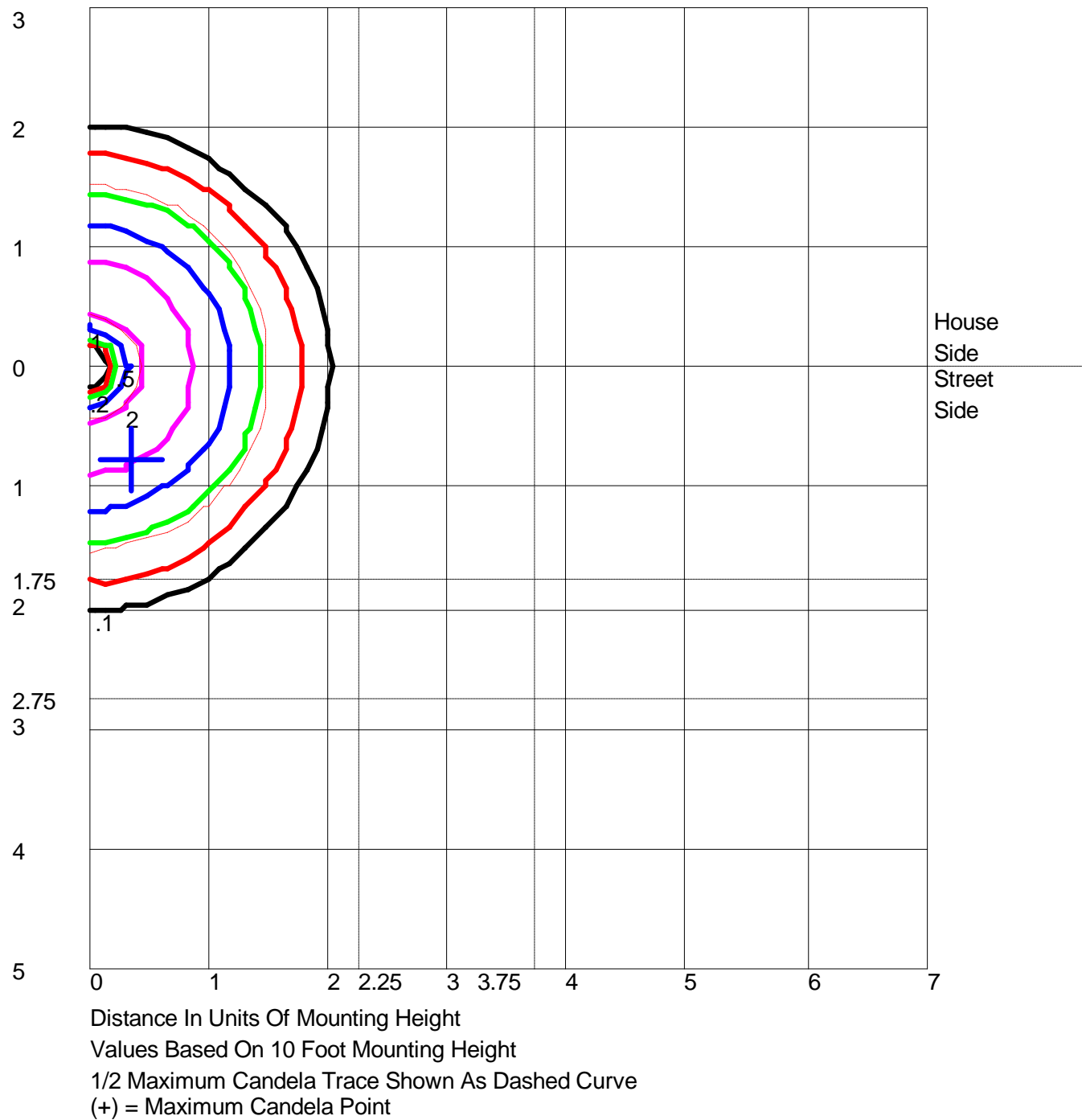
	Lumens	Percent Of Luminaire
Downward Street Side	600.9	45.9
Downward House Side	600.9	45.9
Downward Total	1201.8	91.7
Upward Street Side	54.3	4.1
Upward House Side	54.3	4.1
Upward Total	108.6	8.3
Total Flux	1310.4	100.0

POLAR GRAPH

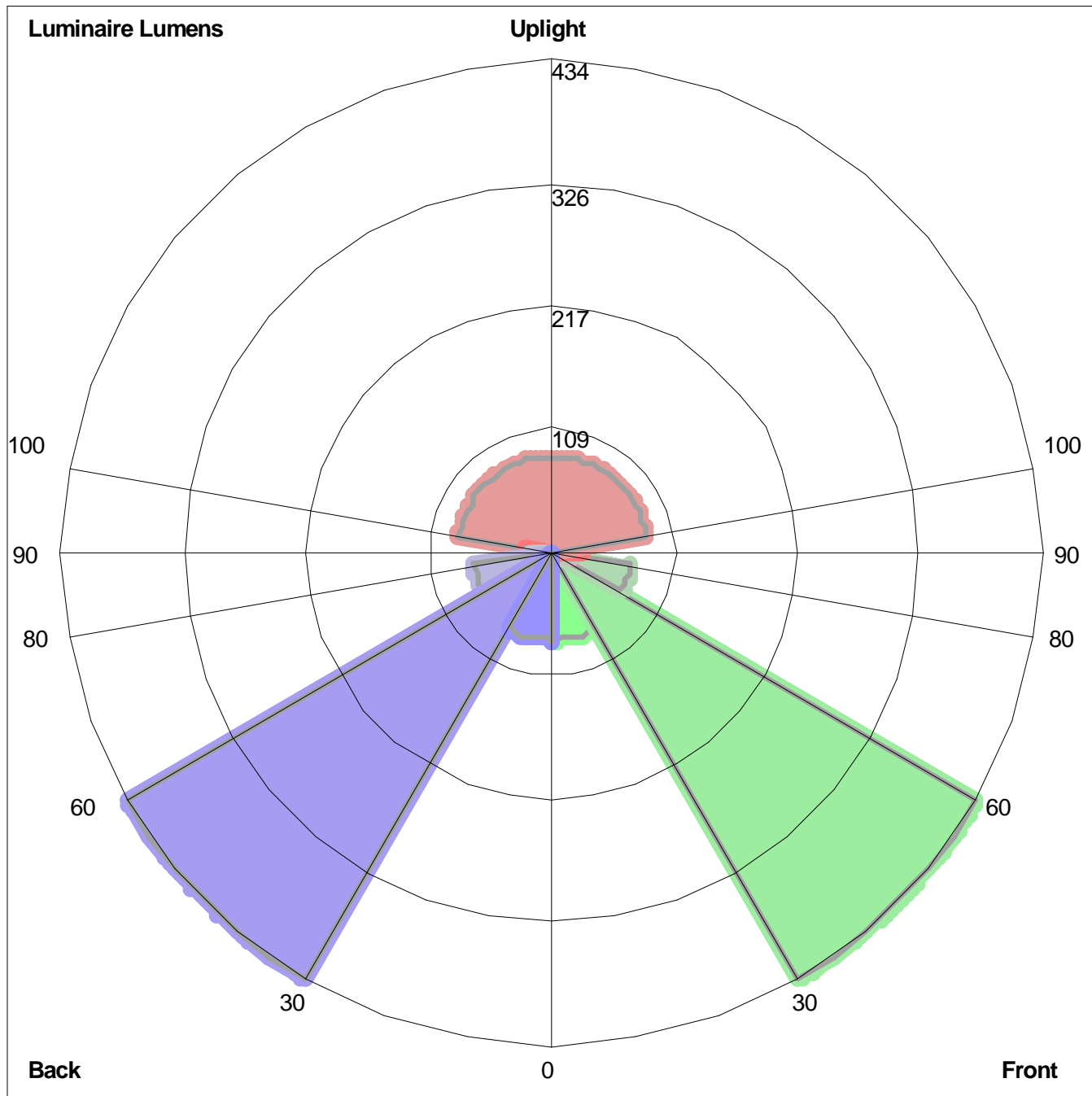


Maximum Candela = 491 Located At Horizontal Angle = 25, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=77.4, Medium=434.5, High=70.2, Very High=18.9
Back: Low=77.4, Medium=434.5, High=70.2, Very High=18.9
Uplight: Low=24.9, High=83.8

BUG Rating : B1-U3-G1