



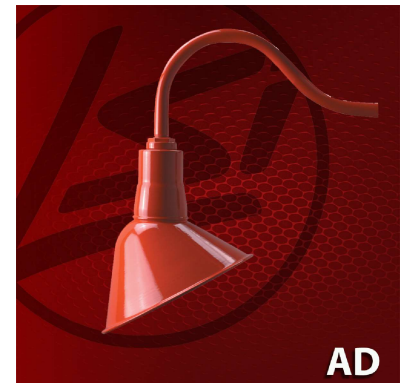
IES ROAD REPORT
PHOTOMETRIC FILENAME : AD-12L-30-GWT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11885
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 7/31/2020
[TEST DATE] 06/05/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] AD-12L-30-GWT
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1293
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	471
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	471
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	31 (2.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	68 (5.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	187.7	N.A.	14.5
FM - Front-Medium (30-60)	334.7	N.A.	25.9
FH - Front-High (60-80)	60.0	N.A.	4.6
FVH - Front-Very High (80-90)	2.0	N.A.	0.2
BL - Back-Low (0-30)	190.0	N.A.	14.7
BM - Back-Medium (30-60)	354.1	N.A.	27.4
BH - Back-High (60-80)	126.3	N.A.	9.8
BVH - Back-Very High (80-90)	20.0	N.A.	1.5
UL - Uplight-Low (90-100)	9.3	N.A.	0.7
UH - Uplight-High (100-180)	8.8	N.A.	0.7
Total	1292.9	N.A.	100.0
BUG Rating	B1-U1-G1		

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CANDELA TABULATION

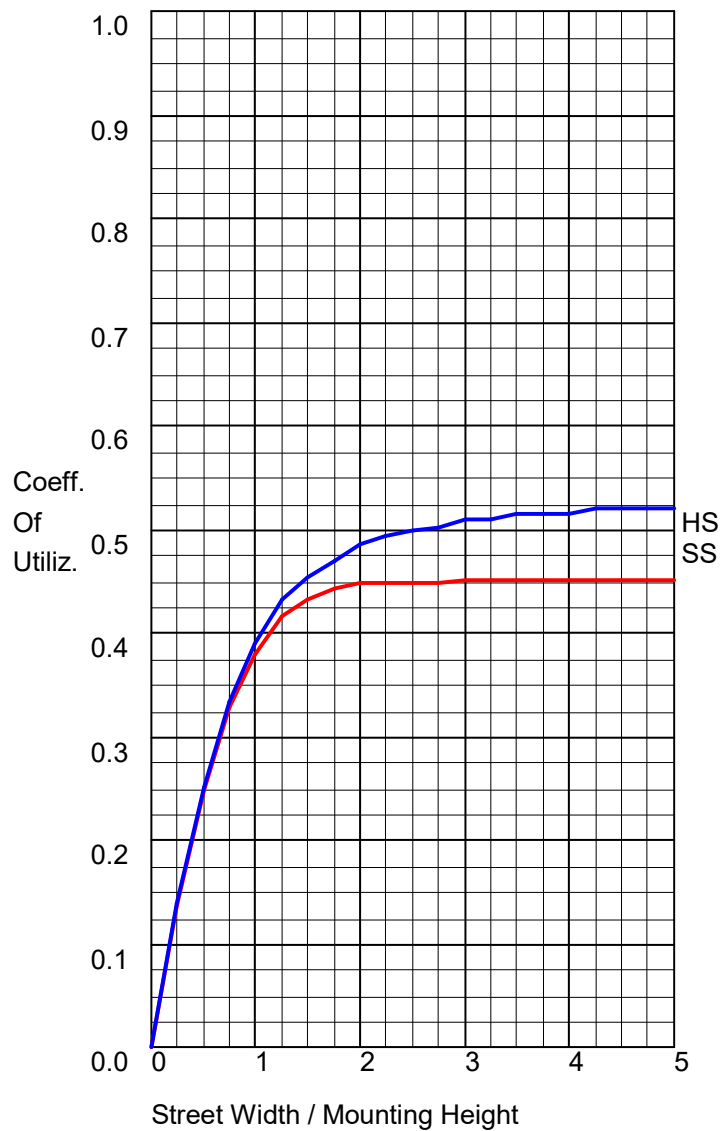
Vert. Angles	Horizontal Angles								
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	468	468	468	468	468	468	468	468	468
2.5	469	469	469	468	468	469	469	469	469
5.0	469	469	469	469	469	469	470	470	470
7.5	468	467	467	468	468	469	470	471	471
10.0	466	466	466	467	467	468	470	471	471
12.5	463	464	463	464	465	466	468	469	470
15.0	460	460	460	461	462	464	465	467	467
17.5	455	455	455	456	457	459	462	463	464
20.0	450	450	450	450	452	454	457	458	459
22.5	442	443	443	444	445	447	450	452	453
25.0	435	435	435	436	437	440	443	445	446
27.5	425	426	426	428	429	431	434	436	437
30.0	413	414	415	416	418	419	422	424	426
32.5	400	400	402	403	404	407	410	410	412
35.0	384	385	386	388	390	392	394	394	397
37.5	367	366	369	372	374	376	378	377	380
40.0	348	346	352	355	357	359	361	360	361
42.5	325	326	332	337	338	341	343	341	342
45.0	303	304	312	316	320	322	322	320	323
47.5	279	280	290	296	299	301	303	300	304
50.0	252	255	268	275	278	280	282	280	284
52.5	221	228	245	254	256	259	261	259	265
55.0	180	196	222	233	235	239	240	240	247
57.5	129	157	197	210	214	218	220	220	227
60.0	74	106	169	188	194	198	200	199	206
62.5	32	55	135	167	173	178	181	179	185
65.0	19	26	97	145	153	158	161	160	166
67.5	15	17	56	123	133	139	142	142	147
70.0	10	12	26	100	113	118	124	125	129
72.5	5	8	13	78	93	100	107	109	113
75.0	1	3	8	54	76	84	90	94	97
77.5	0	1	5	30	59	68	75	80	83
80.0	0	0	2	13	44	54	61	65	68
82.5	0	0	1	5	30	40	48	53	55
85.0	0	0	0	2	19	29	37	42	44
87.5	0	0	0	1	9	20	28	33	36
90.0	0	0	0	0	4	14	23	29	31
92.5	0	0	0	0	2	11	21	27	30
95.0	0	0	0	0	2	9	19	25	27
97.5	0	0	0	0	2	8	17	22	25
100.0	0	0	0	0	1	5	14	19	21
102.5	0	0	0	0	1	5	12	16	18
105.0	0	0	0	0	0	4	10	14	14
107.5	0	0	0	0	0	4	8	13	13
110.0	0	0	0	0	0	3	8	11	13
112.5	0	0	0	0	0	2	7	10	12
115.0	0	0	0	0	0	1	7	9	10
117.5	0	0	0	0	0	0	6	9	9
120.0	0	0	0	0	0	0	5	8	9
122.5	0	0	0	0	0	0	2	7	8
125.0	0	0	0	0	0	0	0	6	7
127.5	0	0	0	0	0	0	0	3	6
130.0	0	0	0	0	0	0	0	0	2

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CANDELA TABULATION - (Cont.)

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

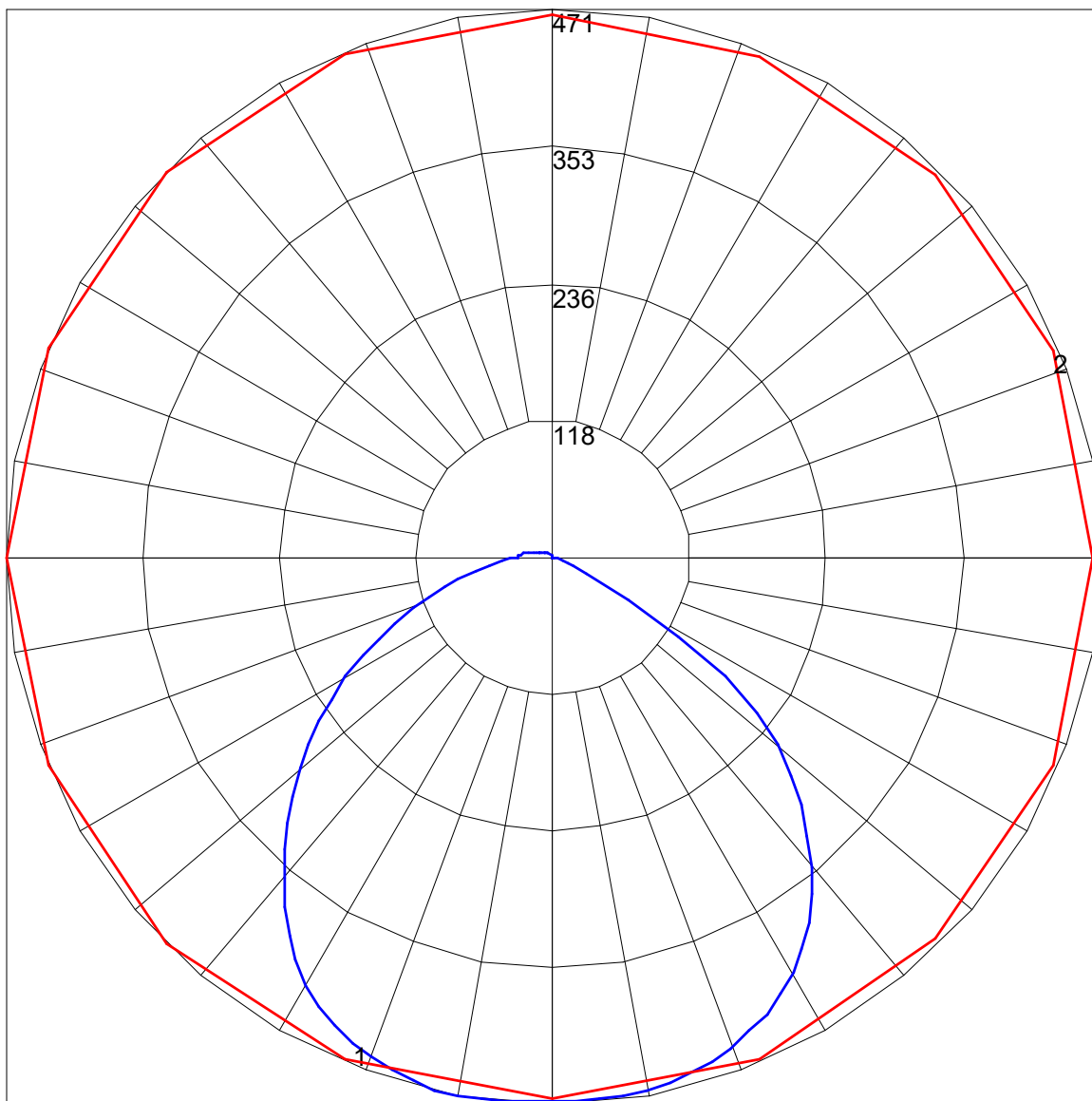
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	584.3	45.2
Downward House Side	690.3	53.4
Downward Total	1274.6	98.6
Upward Street Side	0.2	0.0
Upward House Side	18.0	1.4
Upward Total	18.2	1.4
Total Flux	1292.8	100.0

POLAR GRAPH

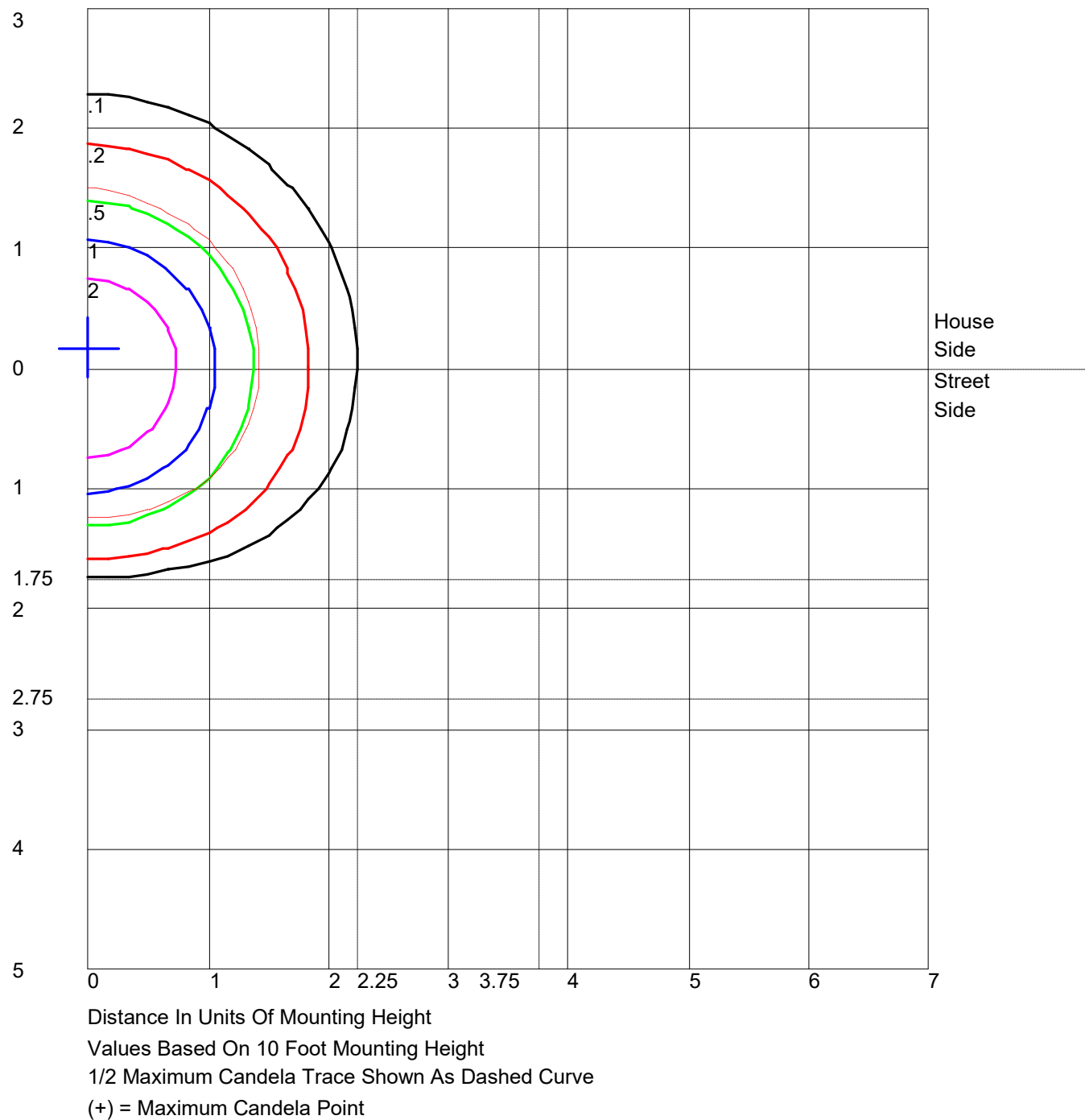


Maximum Candela = 471 Located At Horizontal Angle = 180, Vertical Angle = 10

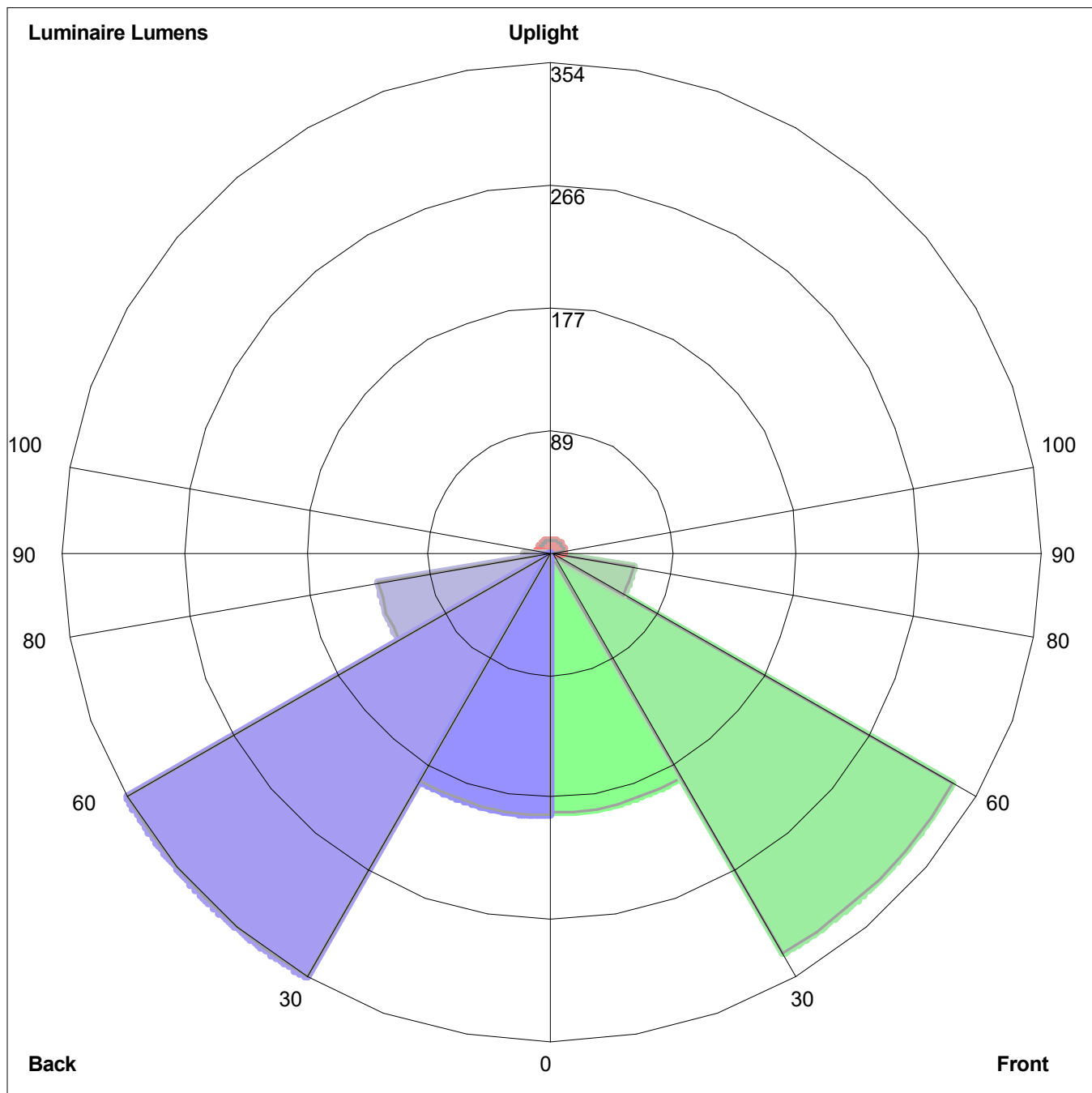
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=187.7, Medium=334.7, High=60.0, Very High=2.0
Back: Low=190.0, Medium=354.1, High=126.3, Very High=20.0
Uplight: Low=9.3, High=8.8

BUG Rating : B1-U1-G1