



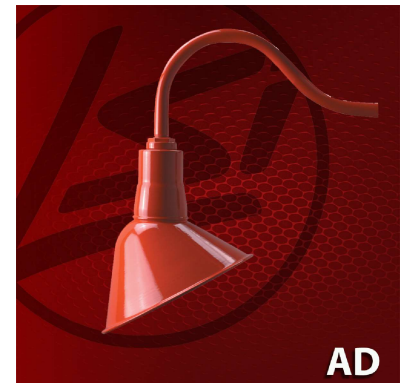
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AD-15L-40-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-11888  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 06/08/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] AD-15L-40-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	1389
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	514
Maximum Candela Angle	180H 10V
Maximum Candela (<90 Degrees Vertical)	514
Maximum Candela Angle (<90 Degrees Vertical)	180H 10V
Maximum Candela At 90 Degrees Vertical	28 (2.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	70 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	200.7	N.A.	14.5
FM - Front-Medium (30-60)	351.9	N.A.	25.3
FH - Front-High (60-80)	67.4	N.A.	4.9
FVH - Front-Very High (80-90)	2.1	N.A.	0.2
BL - Back-Low (0-30)	206.9	N.A.	14.9
BM - Back-Medium (30-60)	385.3	N.A.	27.8
BH - Back-High (60-80)	135.7	N.A.	9.8
BVH - Back-Very High (80-90)	19.8	N.A.	1.4
UL - Uplight-Low (90-100)	8.8	N.A.	0.6
UH - Uplight-High (100-180)	9.8	N.A.	0.7
Total	1388.4	N.A.	100.0
BUG Rating	B1-U1-G1		

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CANDELA TABULATION

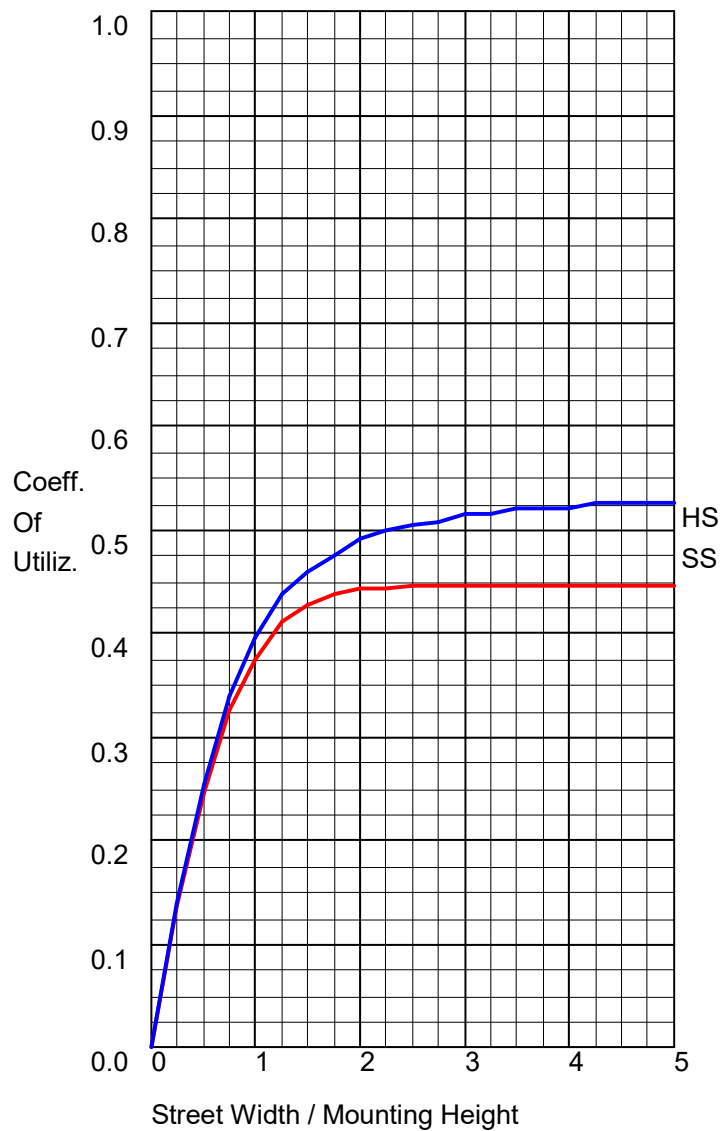
Vert. Angles	Horizontal Angles								
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	507	507	507	507	507	507	507	507	507
2.5	504	504	505	507	507	508	510	510	511
5.0	503	503	505	506	508	509	511	512	513
7.5	502	502	503	505	507	510	512	513	514
10.0	499	499	501	504	506	509	512	513	514
12.5	495	496	498	500	504	507	510	512	513
15.0	490	491	493	497	500	504	507	510	511
17.5	485	485	488	491	495	499	503	506	507
20.0	478	479	481	485	489	494	498	501	502
22.5	469	470	473	477	481	486	491	495	496
25.0	459	460	463	467	472	478	483	487	488
27.5	448	449	452	457	462	468	473	477	479
30.0	434	436	439	444	450	455	461	465	467
32.5	418	419	423	429	435	441	446	450	453
35.0	399	400	406	412	418	425	430	433	435
37.5	380	380	388	394	401	407	413	414	417
40.0	358	360	367	375	382	389	394	395	399
42.5	336	338	347	354	362	369	373	375	378
45.0	311	314	325	333	340	348	352	353	357
47.5	285	289	302	311	317	324	330	330	335
50.0	259	263	279	287	295	302	308	308	313
52.5	230	237	254	265	273	280	285	285	292
55.0	198	209	229	242	250	257	263	262	271
57.5	157	175	205	220	227	235	240	240	247
60.0	103	131	179	197	205	213	219	217	223
62.5	48	82	150	174	183	191	197	195	201
65.0	23	38	118	150	160	169	175	174	180
67.5	17	20	79	128	139	147	155	155	159
70.0	12	14	40	106	118	126	135	135	140
72.5	7	9	17	84	98	107	115	118	121
75.0	1	4	10	62	80	89	97	101	104
77.5	0	0	6	39	62	72	80	84	86
80.0	0	0	2	17	46	56	64	68	70
82.5	0	0	1	6	31	41	49	54	56
85.0	0	0	0	3	18	28	36	41	44
87.5	0	0	0	1	9	19	26	32	34
90.0	0	0	0	0	4	13	21	26	28
92.5	0	0	0	0	3	11	19	24	26
95.0	0	0	0	0	2	10	18	23	25
97.5	0	0	0	0	2	8	16	20	22
100.0	0	0	0	0	2	6	14	18	20
102.5	0	0	0	0	1	6	12	15	17
105.0	0	0	0	0	1	6	11	14	14
107.5	0	0	0	0	0	5	9	13	13
110.0	0	0	0	0	0	4	8	12	13
112.5	0	0	0	0	0	3	9	11	12
115.0	0	0	0	0	0	2	8	10	10
117.5	0	0	0	0	0	0	7	9	10
120.0	0	0	0	0	0	0	6	9	10
122.5	0	0	0	0	0	0	4	9	9
125.0	0	0	0	0	0	0	1	7	9
127.5	0	0	0	0	0	0	0	6	8
130.0	0	0	0	0	0	0	0	1	5

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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	1	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	1	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	1	0
175.0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	1	0	0	0
180.0	0	0	0	0	0	0	0	0	0

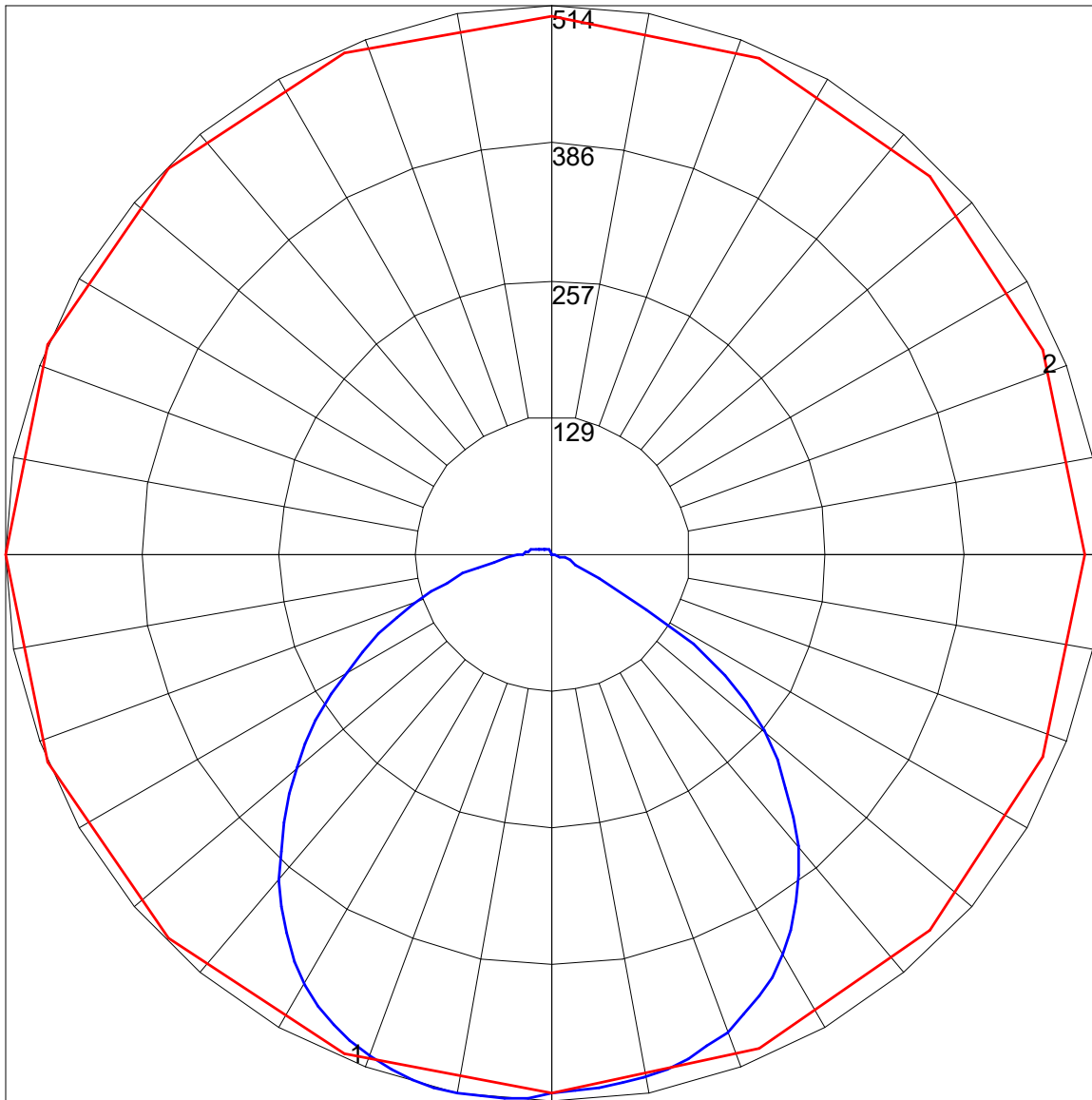
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

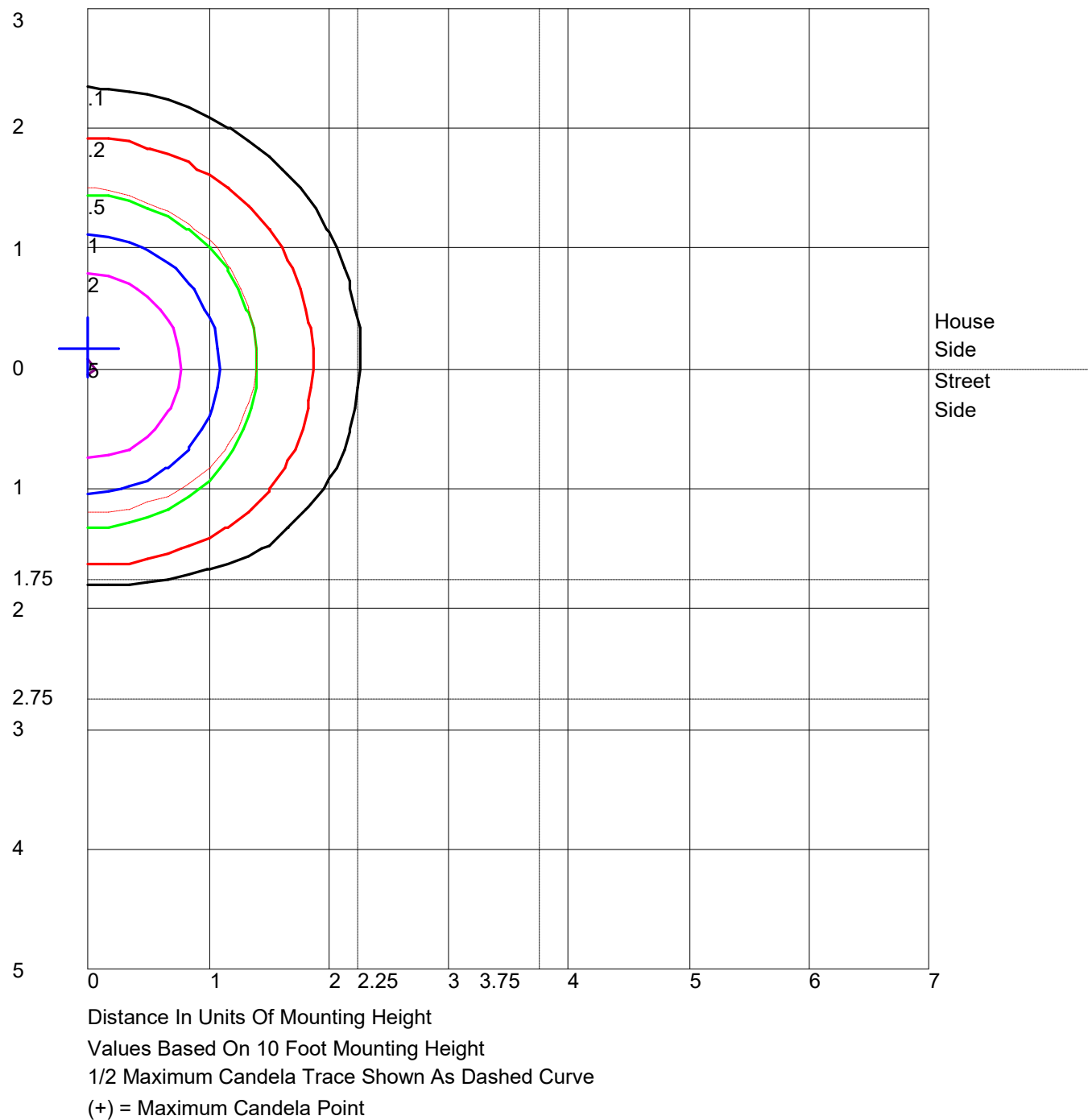
	Lumens	Percent Of Luminaire
Downward Street Side	622.2	44.8
Downward House Side	747.8	53.9
Downward Total	1370.0	98.7
Upward Street Side	0.2	0.0
Upward House Side	18.3	1.3
Upward Total	18.5	1.3
Total Flux	1388.5	100.0

POLAR GRAPH

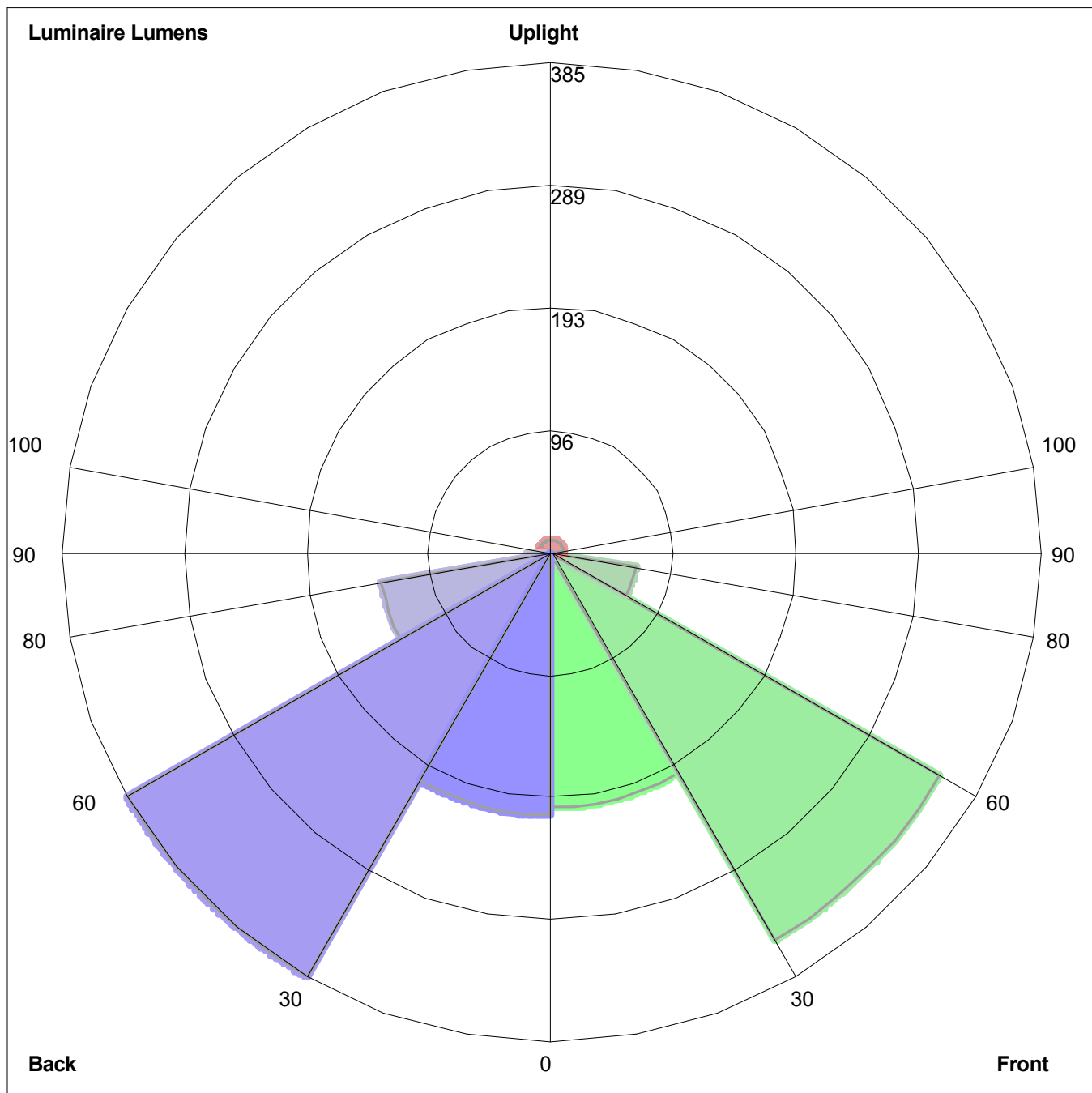


Maximum Candela = 514 Located At Horizontal Angle = 180, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=200.7, Medium=351.9, High=67.4, Very High=2.1  
Back: Low=206.9, Medium=385.3, High=135.7, Very High=19.8  
Uplight: Low=8.8, High=9.8

BUG Rating : B1-U1-G1