



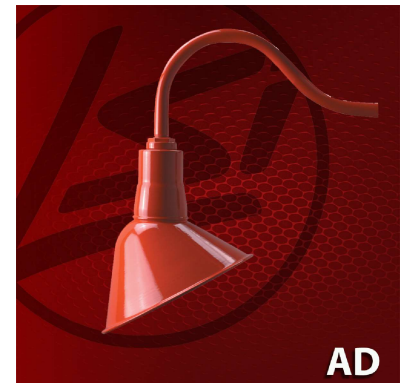
**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : AD-17L-40-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-11889  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 06/08/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] AD-17L-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	1570
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.02
Maximum Candela	584
Maximum Candela Angle	180H 12.5V
Maximum Candela (<90 Degrees Vertical)	584
Maximum Candela Angle (<90 Degrees Vertical)	180H 12.5V
Maximum Candela At 90 Degrees Vertical	51 (3.2% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	102 (6.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	229.1	N.A.	14.6
FM - Front-Medium (30-60)	377.8	N.A.	24.1
FH - Front-High (60-80)	53.4	N.A.	3.4
FVH - Front-Very High (80-90)	1.8	N.A.	0.1
BL - Back-Low (0-30)	236.2	N.A.	15.0
BM - Back-Medium (30-60)	446.8	N.A.	28.5
BH - Back-High (60-80)	166.3	N.A.	10.6
BVH - Back-Very High (80-90)	28.8	N.A.	1.8
UL - Uplight-Low (90-100)	15.1	N.A.	1.0
UH - Uplight-High (100-180)	14.9	N.A.	0.9
Total	1570.2	N.A.	100.0
BUG Rating	B1-U2-G1		

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CANDELA TABULATION

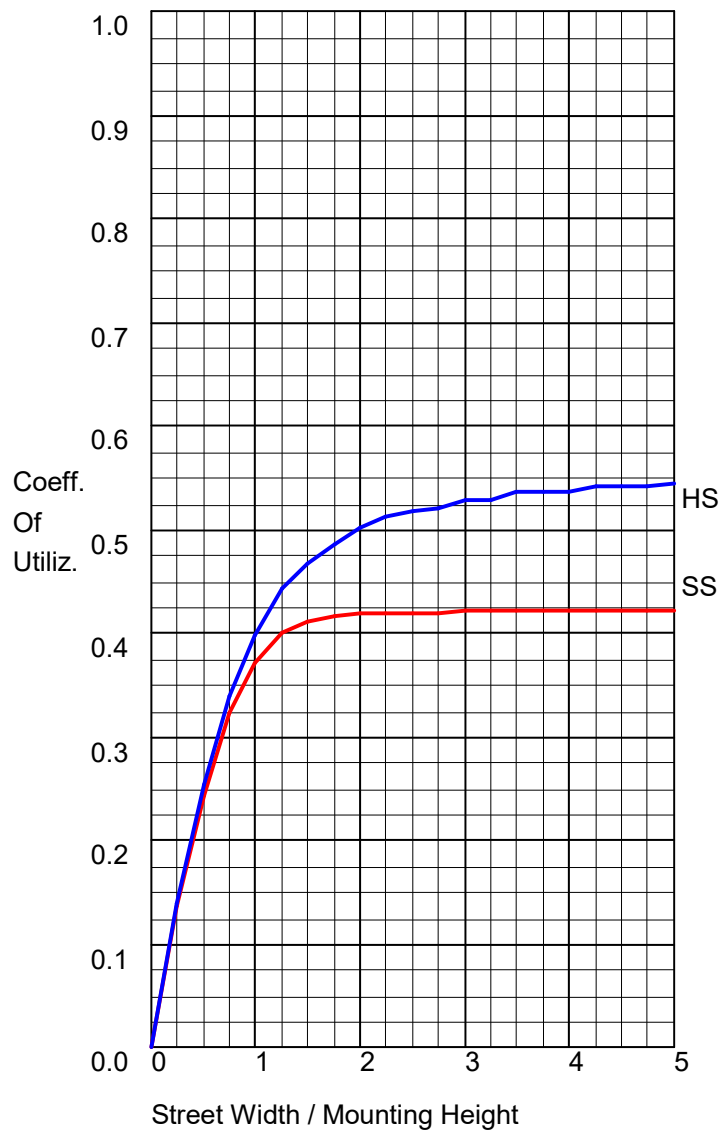
Vert. Angles	Horizontal Angles								
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	577	577	577	577	577	577	577	577	577
2.5	577	577	576	578	579	580	581	581	581
5.0	576	575	575	577	579	581	582	582	582
7.5	575	574	574	575	578	581	583	584	583
10.0	572	571	571	573	576	580	583	584	584
12.5	568	568	567	569	573	578	581	584	584
15.0	563	562	562	564	569	574	579	581	583
17.5	557	556	556	558	563	568	574	578	579
20.0	550	550	549	551	555	562	569	574	574
22.5	541	540	540	541	546	554	561	567	568
25.0	529	530	528	530	536	544	552	559	561
27.5	516	517	516	519	524	533	542	549	552
30.0	500	501	501	503	509	518	528	536	540
32.5	480	481	483	485	491	501	512	521	524
35.0	460	459	462	465	472	482	494	504	507
37.5	436	436	440	444	451	461	475	484	489
40.0	409	411	415	421	428	438	454	464	469
42.5	381	385	391	395	403	415	431	443	449
45.0	348	355	364	369	378	388	408	421	427
47.5	307	321	337	343	351	363	383	397	406
50.0	253	280	308	314	325	337	359	373	385
52.5	179	224	275	287	299	311	333	349	363
55.0	103	153	240	260	273	286	309	324	343
57.5	51	83	198	234	248	260	284	298	316
60.0	31	40	146	207	223	236	260	274	290
62.5	24	27	88	179	198	212	235	250	263
65.0	19	21	47	152	173	189	211	226	238
67.5	13	16	26	124	148	163	188	203	213
70.0	7	11	18	94	126	142	166	181	189
72.5	1	5	12	61	105	121	144	158	165
75.0	0	1	8	36	84	102	123	138	143
77.5	0	0	3	18	66	84	104	117	121
80.0	0	0	1	8	48	67	86	98	102
82.5	0	0	0	4	32	51	69	81	85
85.0	0	0	0	2	18	37	54	66	70
87.5	0	0	0	1	8	26	43	54	58
90.0	0	0	0	1	4	20	36	47	51
92.5	0	0	0	0	2	17	34	45	48
95.0	0	0	0	0	2	14	32	42	45
97.5	0	0	0	0	2	11	28	38	41
100.0	0	0	0	0	1	8	25	33	36
102.5	0	0	0	0	1	6	21	29	31
105.0	0	0	0	0	0	6	17	24	27
107.5	0	0	0	0	0	5	15	21	21
110.0	0	0	0	0	0	5	11	19	20
112.5	0	0	0	0	0	4	10	17	19
115.0	0	0	0	0	0	2	10	14	17
117.5	0	0	0	0	0	0	9	12	14
120.0	0	0	0	0	0	0	7	12	13
122.5	1	0	0	0	0	0	5	11	12
125.0	0	0	0	0	0	0	1	10	11
127.5	0	0	0	0	0	0	0	7	10
130.0	0	0	0	0	0	0	0	1	7

IES ROAD REPORT  
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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	1
137.5	0	0	0	0	0	0	0	0	0
140.0	0	0	1	0	1	1	1	0	1
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	1	1	0	1	1
150.0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	1	0	1	1
155.0	0	0	0	0	0	0	0	0	0
157.5	0	0	1	1	0	1	0	1	1
160.0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	1
165.0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	1
170.0	1	1	1	1	0	1	1	1	1
172.5	0	1	0	1	1	0	1	1	1
175.0	1	1	0	1	1	1	1	1	1
177.5	0	0	0	0	0	0	1	1	0
180.0	0	0	0	0	0	0	0	0	0

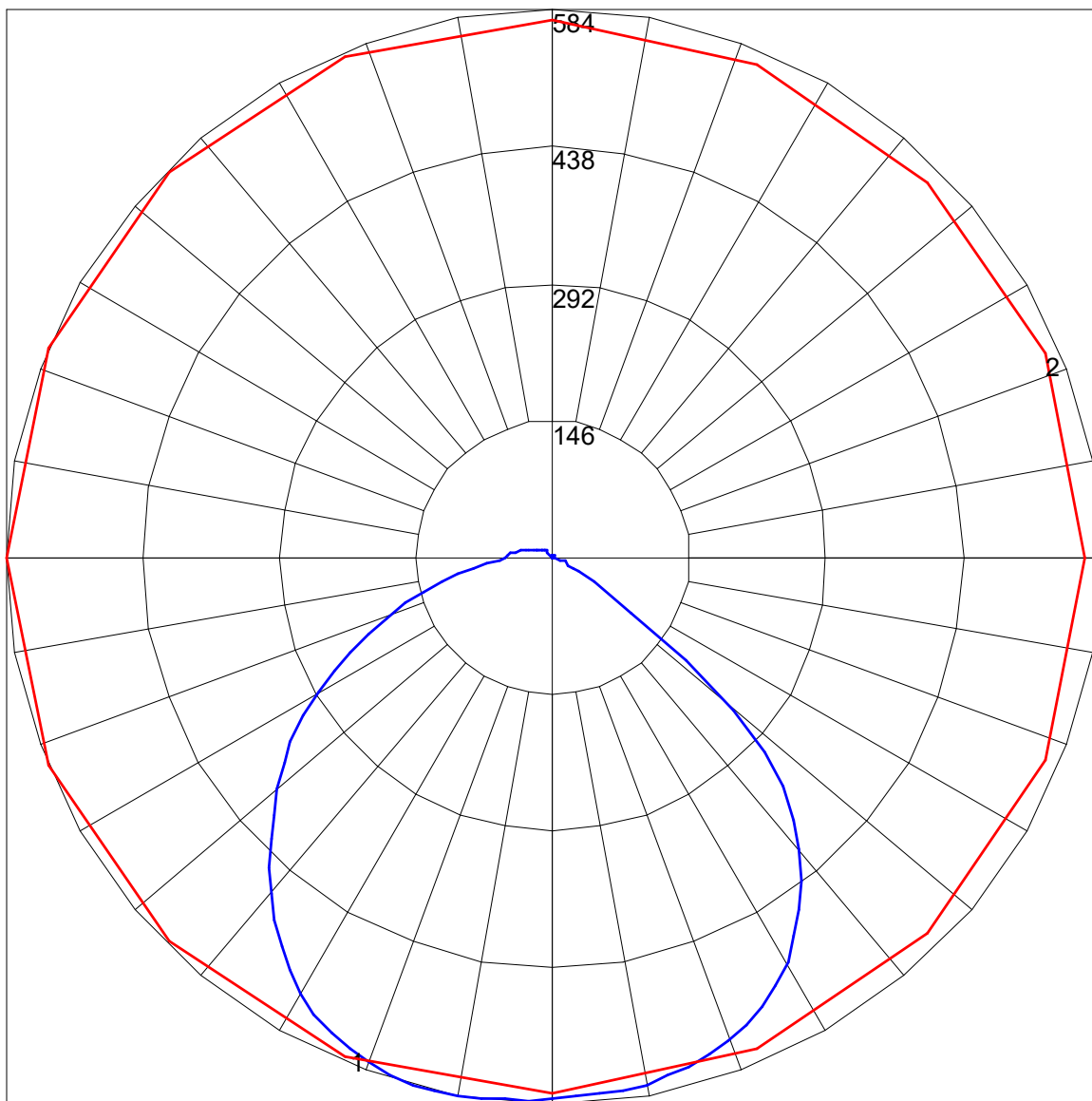
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

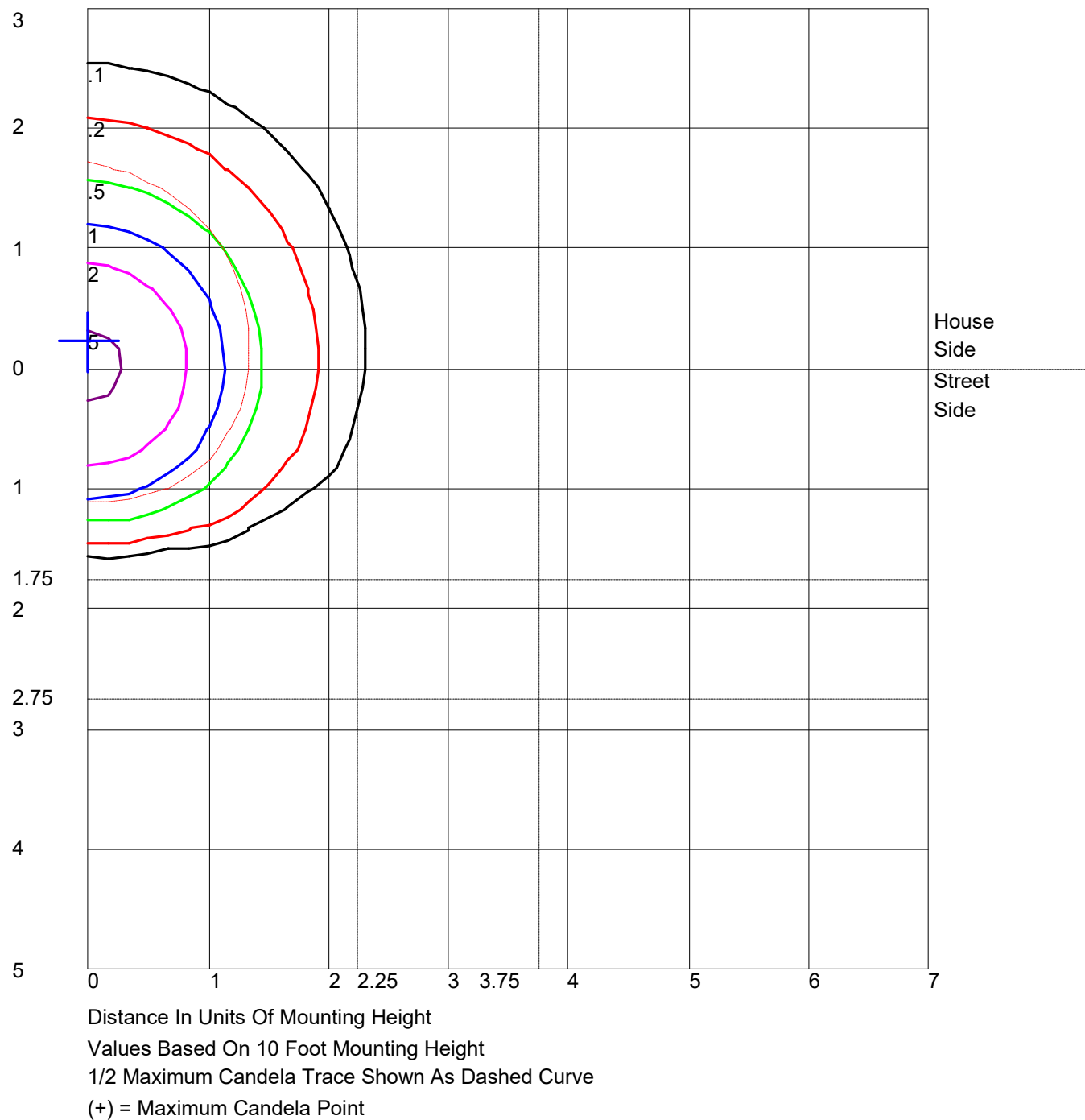
	Lumens	Percent Of Luminaire
Downward Street Side	662.1	42.2
Downward House Side	878.1	55.9
Downward Total	1540.2	98.1
Upward Street Side	0.3	0.0
Upward House Side	29.7	1.9
Upward Total	30.0	1.9
Total Flux	1570.2	100.0

POLAR GRAPH

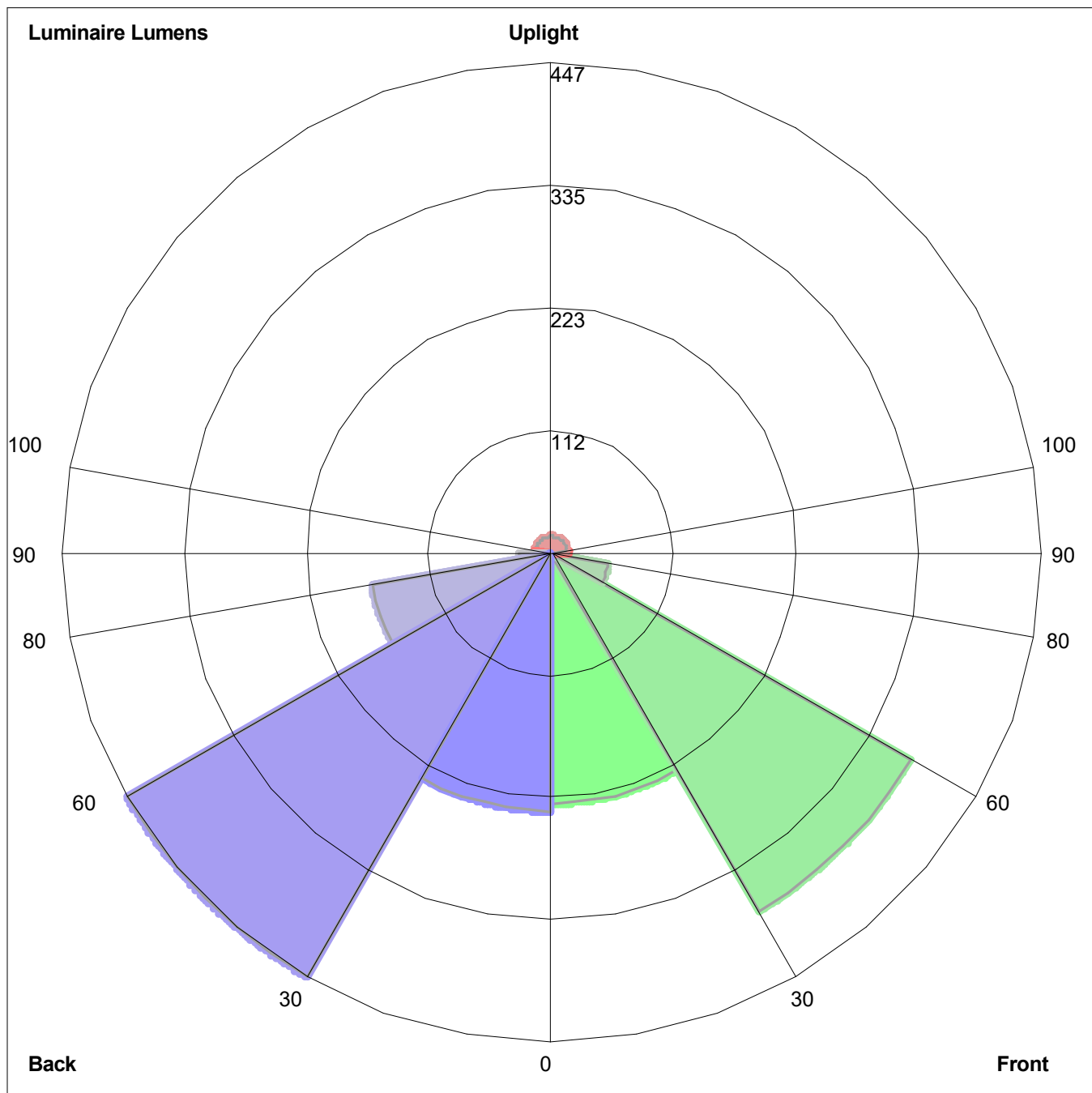


Maximum Candela = 584 Located At Horizontal Angle = 180, Vertical Angle = 12.5  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=229.1, Medium=377.8, High=53.4, Very High=1.8  
Back: Low=236.2, Medium=446.8, High=166.3, Very High=28.8  
Uplight: Low=15.1, High=14.9

BUG Rating : B1-U2-G1