



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-15L-40-PGG6-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12005  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 07/14/20  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-15L-40-PGG6-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	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1317
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	889
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	889
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	18 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	48 (3.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	180.4	N.A.	13.7
FM - Front-Medium (30-60)	381.6	N.A.	29.0
FH - Front-High (60-80)	47.9	N.A.	3.6
FVH - Front-Very High (80-90)	16.5	N.A.	1.3
BL - Back-Low (0-30)	180.4	N.A.	13.7
BM - Back-Medium (30-60)	381.6	N.A.	29.0
BH - Back-High (60-80)	47.9	N.A.	3.6
BVH - Back-Very High (80-90)	16.5	N.A.	1.3
UL - Uplight-Low (90-100)	17.9	N.A.	1.4
UH - Uplight-High (100-180)	46.0	N.A.	3.5
Total	1316.7	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

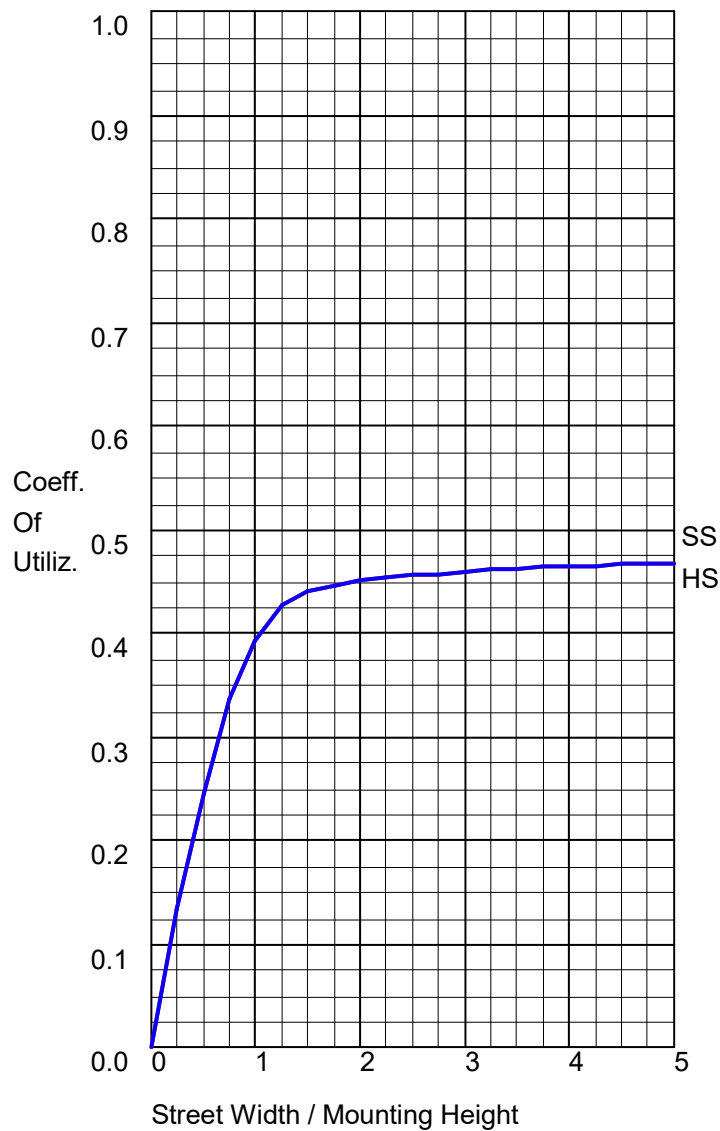
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	800	800	800	800	800
2.5	795	794	786	780	771
5.0	697	733	857	889	834
7.5	492	561	776	860	828
10.0	371	348	482	506	449
12.5	275	256	297	242	271
15.0	233	244	288	199	285
17.5	300	308	389	307	402
20.0	454	429	469	435	481
22.5	474	440	422	422	420
25.0	435	420	407	395	385
27.5	455	452	448	434	435
30.0	468	468	470	464	468
32.5	478	476	483	474	478
35.0	471	470	475	475	475
37.5	448	452	454	460	459
40.0	442	440	439	443	442
42.5	435	431	428	425	428
45.0	431	430	431	425	424
47.5	408	416	423	419	419
50.0	341	353	359	352	350
52.5	234	250	260	255	248
55.0	137	144	153	150	144
57.5	70	72	74	74	72
60.0	54	54	54	54	56
62.5	50	50	51	51	51
65.0	47	47	47	47	48
67.5	51	50	46	45	46
70.0	45	53	56	50	42
72.5	37	50	46	43	36
75.0	42	48	45	45	36
77.5	37	47	48	43	34
80.0	36	48	42	39	30
82.5	34	42	36	33	28
85.0	30	35	29	30	25
87.5	28	29	25	27	23
90.0	18	17	16	16	16
92.5	16	17	16	16	16
95.0	17	17	17	17	17
97.5	16	16	16	16	16
100.0	16	16	16	16	16
102.5	14	16	16	16	14
105.0	12	13	13	13	12
107.5	11	12	12	12	11
110.0	8	10	10	10	10
112.5	8	8	8	8	8
115.0	8	8	8	8	8
117.5	8	8	8	8	8
120.0	8	8	8	8	8
122.5	8	8	8	8	8
125.0	8	8	8	8	8
127.5	8	8	8	8	8
130.0	8	8	8	8	8

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CANDELA TABULATION - (Cont.)

132.5	8	8	8	8	8
135.0	8	8	8	8	8
137.5	8	8	8	8	8
140.0	8	8	8	8	8
142.5	8	8	8	8	8
145.0	8	8	8	8	8
147.5	7	8	8	8	8
150.0	7	7	8	7	7
152.5	7	7	7	7	7
155.0	7	7	7	7	7
157.5	7	7	7	7	7
160.0	7	7	7	7	7
162.5	6	6	6	6	6
165.0	6	6	6	6	6
167.5	6	6	6	6	6
170.0	6	6	6	6	5
172.5	5	5	5	5	5
175.0	5	5	5	5	5
177.5	4	4	4	5	5
180.0	4	4	4	4	4

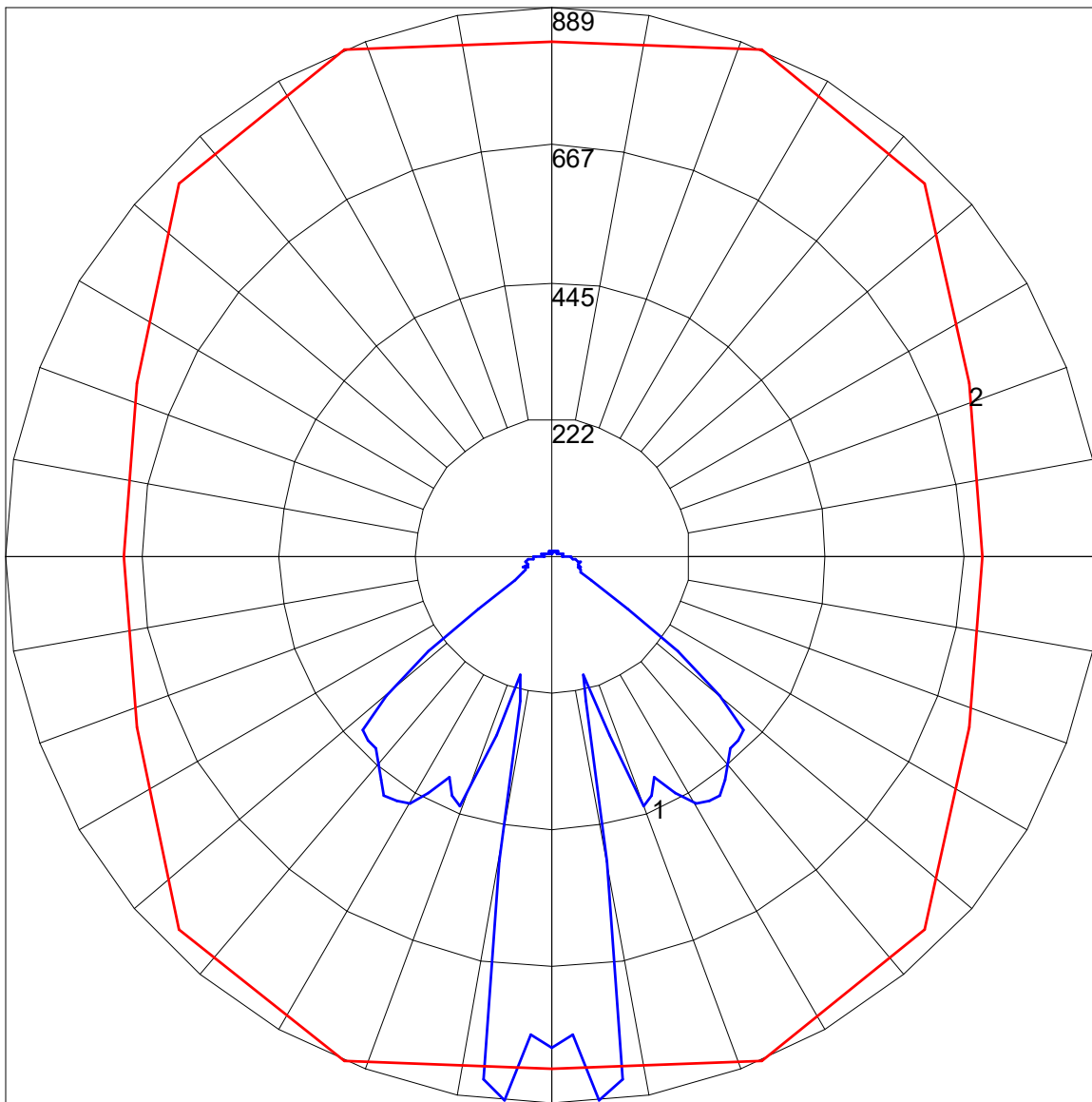
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

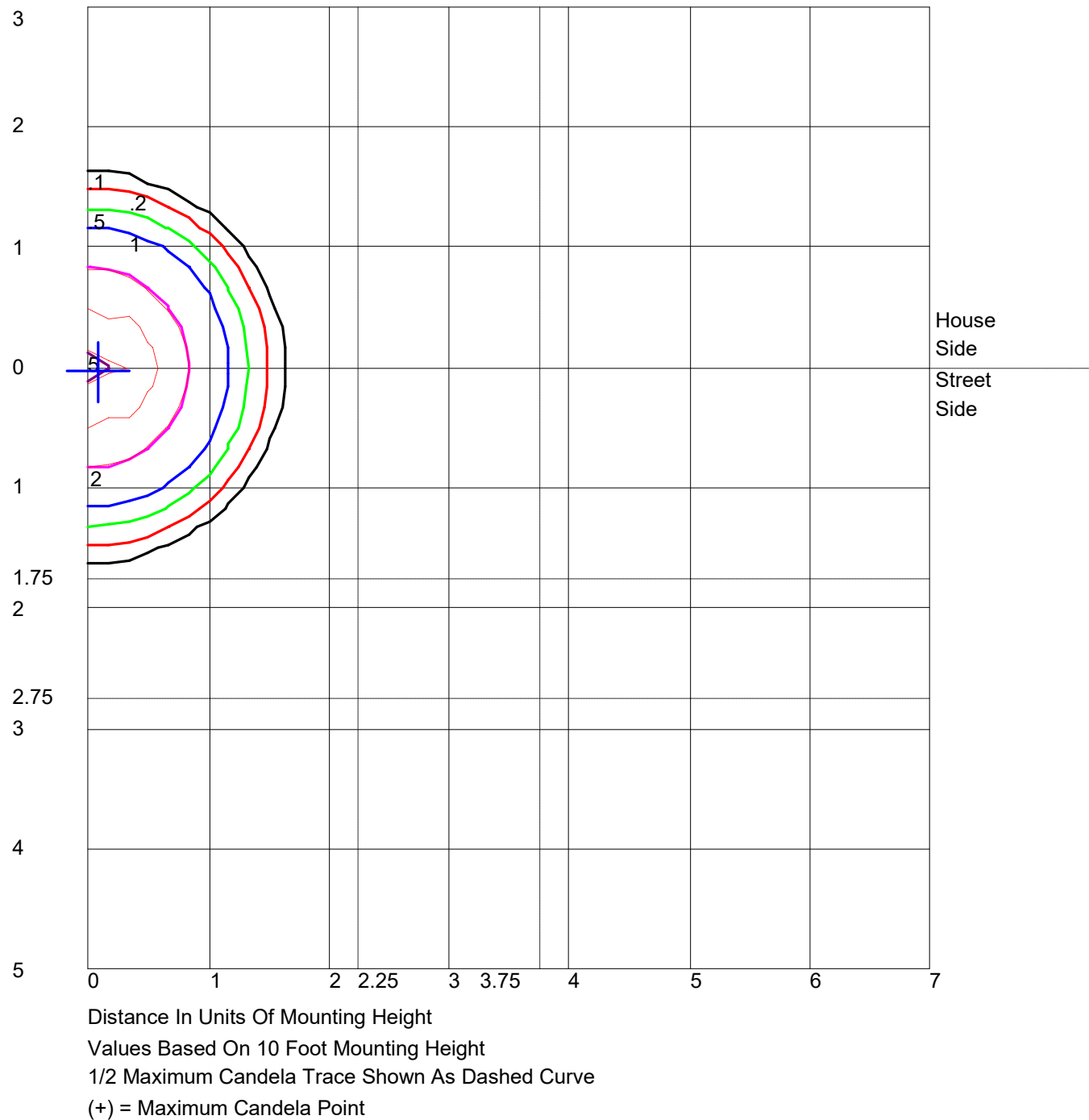
	Lumens	Percent Of Luminaire
Downward Street Side	626.4	47.6
Downward House Side	626.4	47.6
Downward Total	1252.8	95.2
Upward Street Side	31.9	2.4
Upward House Side	31.9	2.4
Upward Total	63.8	4.8
Total Flux	1316.6	100.0

POLAR GRAPH

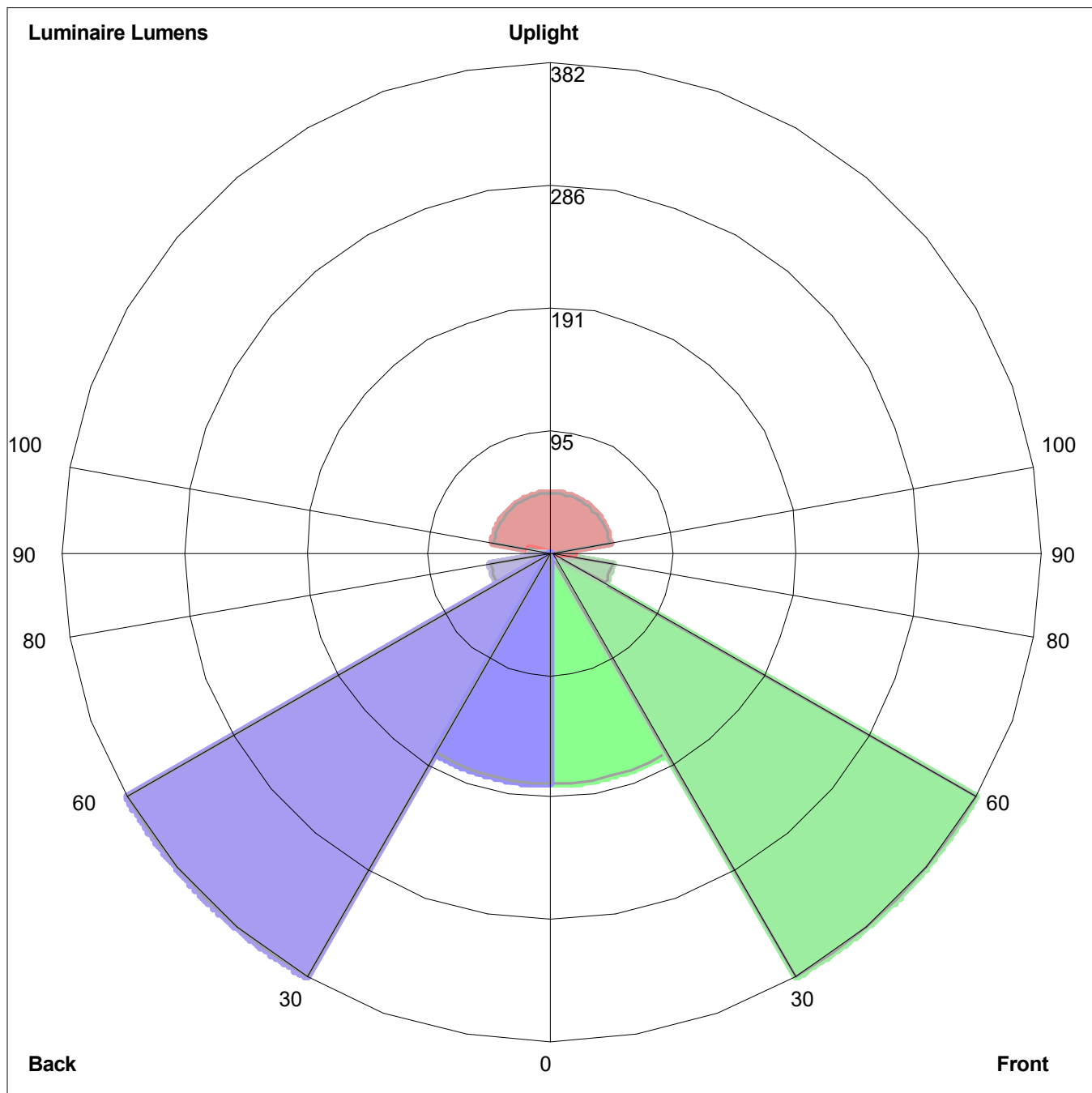


Maximum Candela = 889 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=180.4, Medium=381.6, High=47.9, Very High=16.5  
Back: Low=180.4, Medium=381.6, High=47.9, Very High=16.5  
Uplight: Low=17.9, High=46.0

BUG Rating : B1-U2-G1