



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-15L-35-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-35-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	1318
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	890
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	890
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)	180.6	N.A.	13.7
FM - Front-Medium (30-60)	382.2	N.A.	29.0
FH - Front-High (60-80)	48.0	N.A.	3.6
FVH - Front-Very High (80-90)	16.5	N.A.	1.3
BL - Back-Low (0-30)	180.6	N.A.	13.7
BM - Back-Medium (30-60)	382.2	N.A.	29.0
BH - Back-High (60-80)	48.0	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)	46.1	N.A.	3.5
Total	1318.6	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

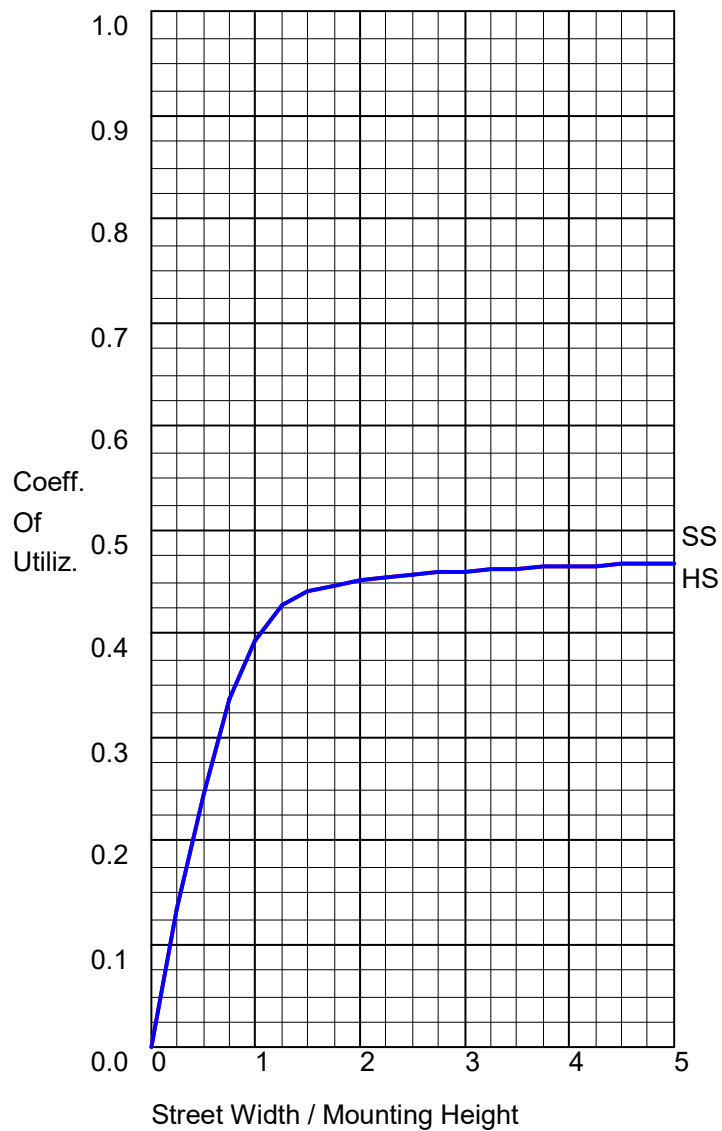
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	801	801	801	801	801
2.5	796	795	788	782	772
5.0	698	734	858	890	835
7.5	492	561	777	861	829
10.0	371	348	483	507	450
12.5	276	256	298	242	271
15.0	234	244	288	200	286
17.5	300	309	390	307	403
20.0	455	430	469	436	482
22.5	474	440	422	422	421
25.0	436	421	408	396	386
27.5	456	453	449	434	436
30.0	468	468	471	465	468
32.5	479	477	484	474	479
35.0	472	471	475	475	475
37.5	449	453	455	461	460
40.0	443	440	439	444	443
42.5	436	432	428	426	428
45.0	432	431	432	426	425
47.5	409	416	423	420	420
50.0	341	353	359	352	351
52.5	235	250	260	255	248
55.0	137	144	154	150	144
57.5	70	73	74	74	73
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	38	50	46	44	36
75.0	42	48	45	45	36
77.5	38	47	48	44	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	15	16	16	16	15
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.)**

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

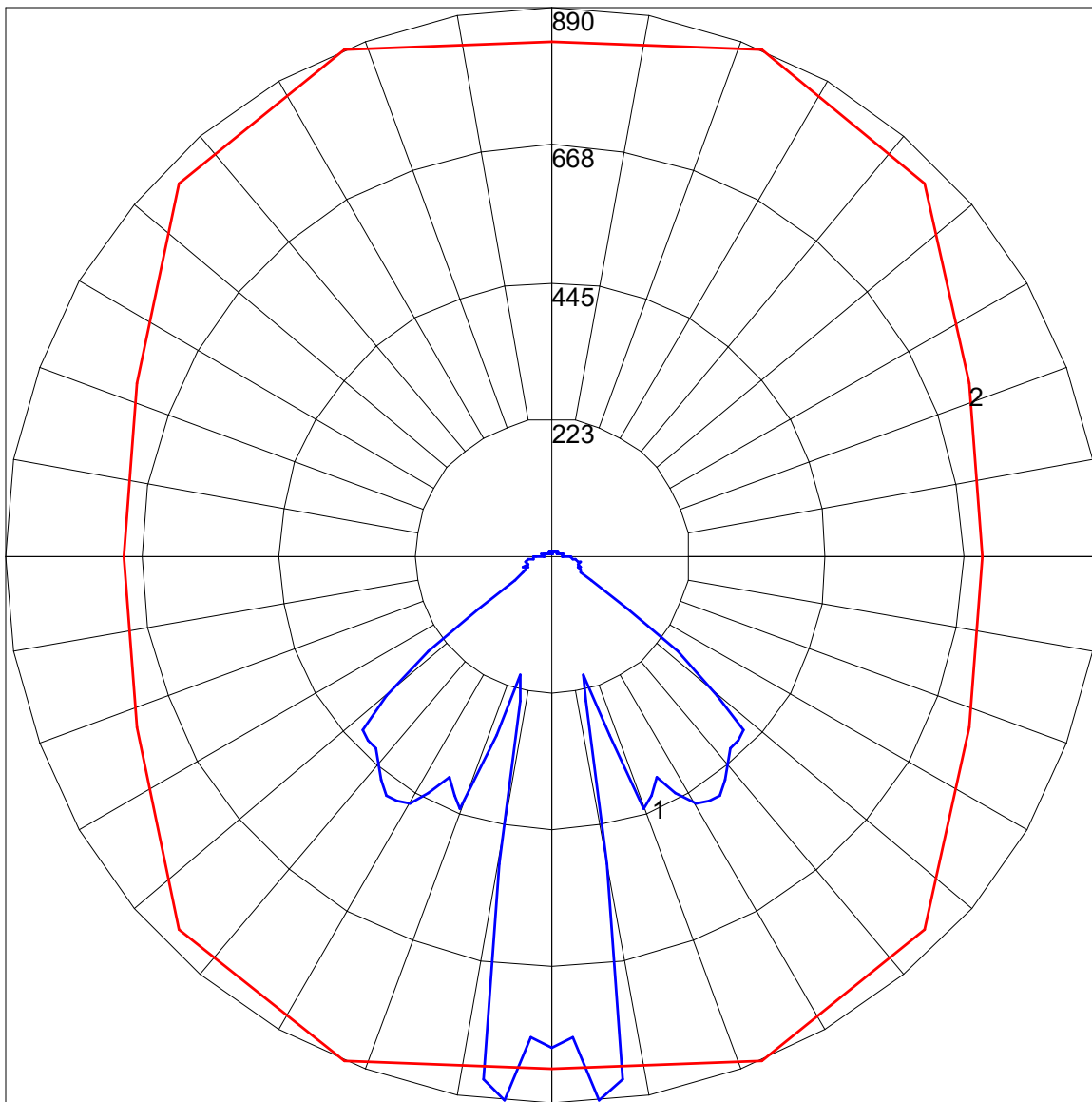
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

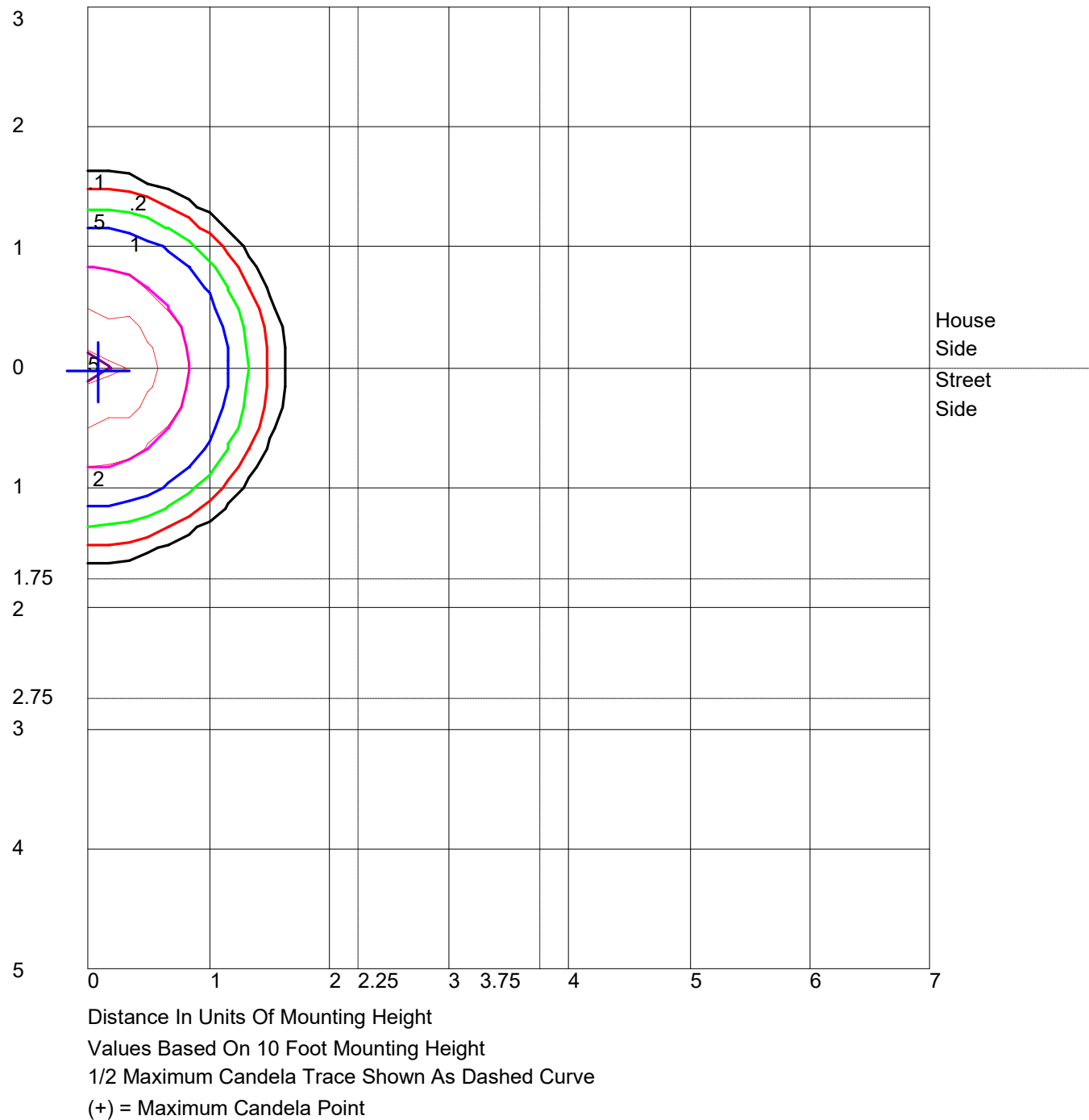
	Lumens	Percent Of Luminaire
Downward Street Side	627.3	47.6
Downward House Side	627.3	47.6
Downward Total	1254.6	95.2
Upward Street Side	32.0	2.4
Upward House Side	32.0	2.4
Upward Total	64.0	4.9
Total Flux	1318.6	100.0

POLAR GRAPH

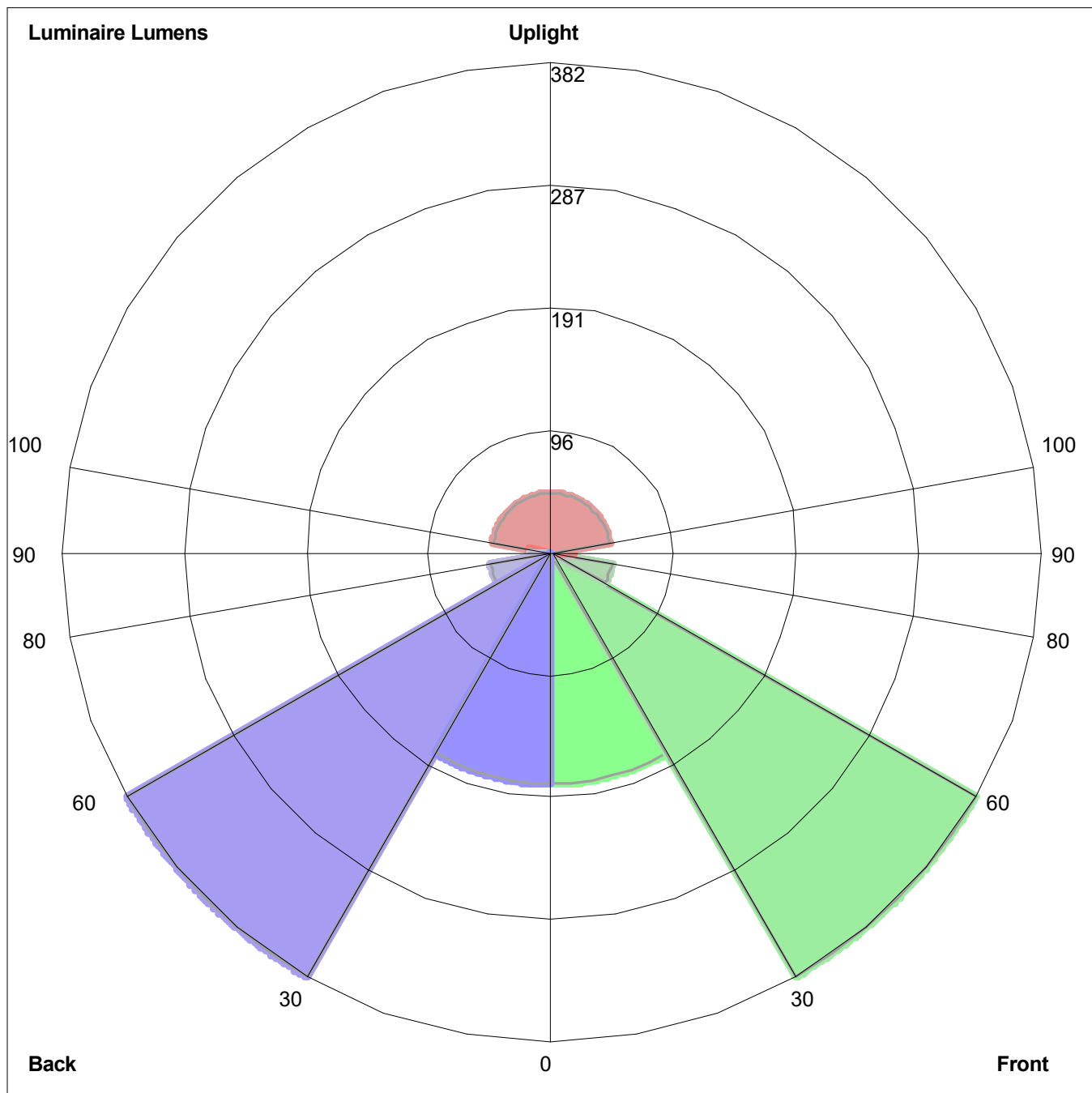


Maximum Candela = 890 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=180.6, Medium=382.2, High=48.0, Very High=16.5  
Back: Low=180.6, Medium=382.2, High=48.0, Very High=16.5  
Uplight: Low=17.9, High=46.1

BUG Rating : B1-U2-G1