



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-15L-27-FGG6-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12004  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUE DATE] 7/31/2020  
[TEST DATE] 07/14/20  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-15L-27-FGG6-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	1160
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	335
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	335
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	40 (3.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	78 (6.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	119.4	N.A.	10.3
FM - Front-Medium (30-60)	270.8	N.A.	23.3
FH - Front-High (60-80)	116.8	N.A.	10.1
FVH - Front-Very High (80-90)	31.5	N.A.	2.7
BL - Back-Low (0-30)	119.4	N.A.	10.3
BM - Back-Medium (30-60)	270.8	N.A.	23.3
BH - Back-High (60-80)	116.8	N.A.	10.1
BVH - Back-Very High (80-90)	31.5	N.A.	2.7
UL - Uplight-Low (90-100)	32.7	N.A.	2.8
UH - Uplight-High (100-180)	50.7	N.A.	4.4
Total	1160.4	N.A.	100.0
BUG Rating	B1-U3-G1		

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**CANDELA TABULATION**

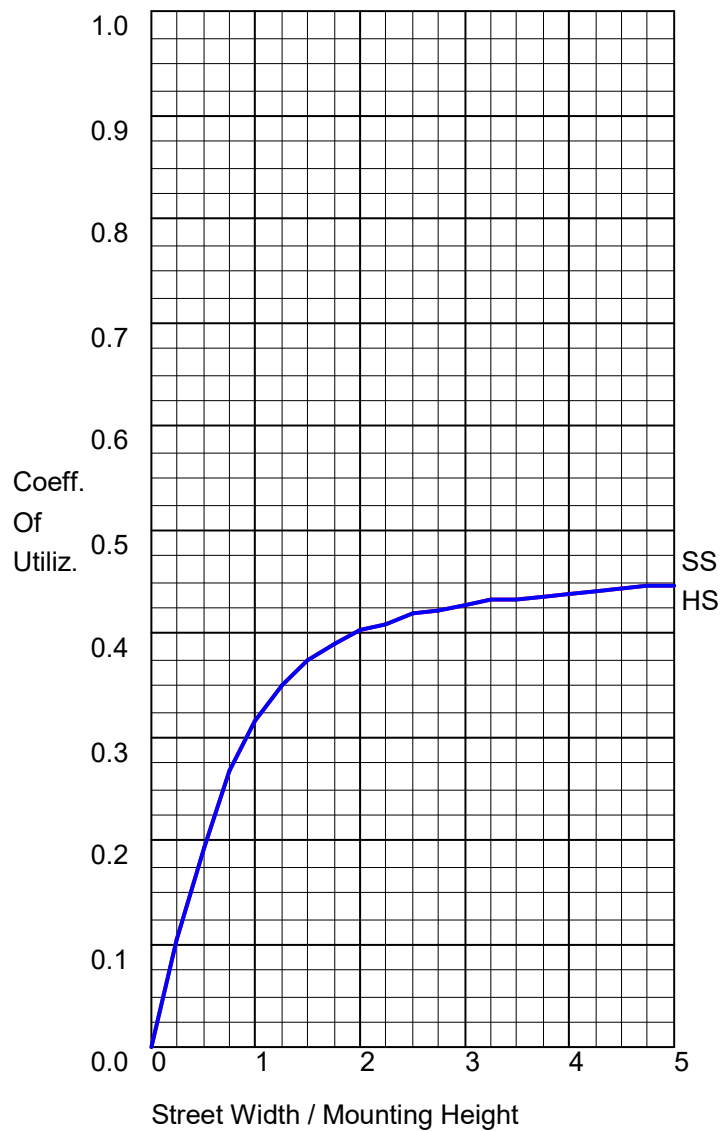
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	333	333	333	333	333
2.5	335	333	333	333	333
5.0	329	330	329	327	327
7.5	319	319	318	316	315
10.0	307	305	304	304	303
12.5	292	292	292	291	291
15.0	282	282	283	282	281
17.5	276	277	277	276	276
20.0	274	275	275	274	272
22.5	274	275	276	274	272
25.0	276	276	277	276	272
27.5	278	278	278	277	275
30.0	281	281	281	281	275
32.5	283	283	282	282	276
35.0	282	282	281	281	274
37.5	278	278	277	276	270
40.0	274	272	271	272	265
42.5	265	264	264	264	256
45.0	255	254	253	255	248
47.5	242	243	242	242	236
50.0	226	228	226	227	220
52.5	209	211	210	210	204
55.0	193	194	193	193	188
57.5	176	177	177	176	172
60.0	160	161	161	160	158
62.5	148	148	148	148	145
65.0	136	137	137	137	136
67.5	122	123	123	123	122
70.0	110	112	112	114	112
72.5	100	104	105	104	100
75.0	90	94	94	93	89
77.5	81	84	85	87	83
80.0	73	77	77	78	76
82.5	64	66	67	67	65
85.0	55	57	59	59	56
87.5	48	49	50	49	48
90.0	39	39	40	40	39
92.5	34	34	34	34	34
95.0	29	29	29	29	29
97.5	26	26	26	26	26
100.0	21	22	22	22	21
102.5	17	17	18	18	17
105.0	13	13	15	15	13
107.5	11	11	12	11	11
110.0	10	10	10	10	10
112.5	9	9	9	10	10
115.0	9	9	9	9	10
117.5	9	9	9	9	9
120.0	9	9	9	9	9
122.5	9	9	9	9	9
125.0	9	9	9	9	9
127.5	9	9	9	9	9
130.0	9	9	9	9	9

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	9	9	9	9	9
<b>135.0</b>	9	9	9	9	9
<b>137.5</b>	9	9	9	9	9
<b>140.0</b>	9	9	9	9	9
<b>142.5</b>	9	9	9	9	9
<b>145.0</b>	9	9	9	9	7
<b>147.5</b>	9	7	9	9	9
<b>150.0</b>	7	7	7	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	7	7	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	6
<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

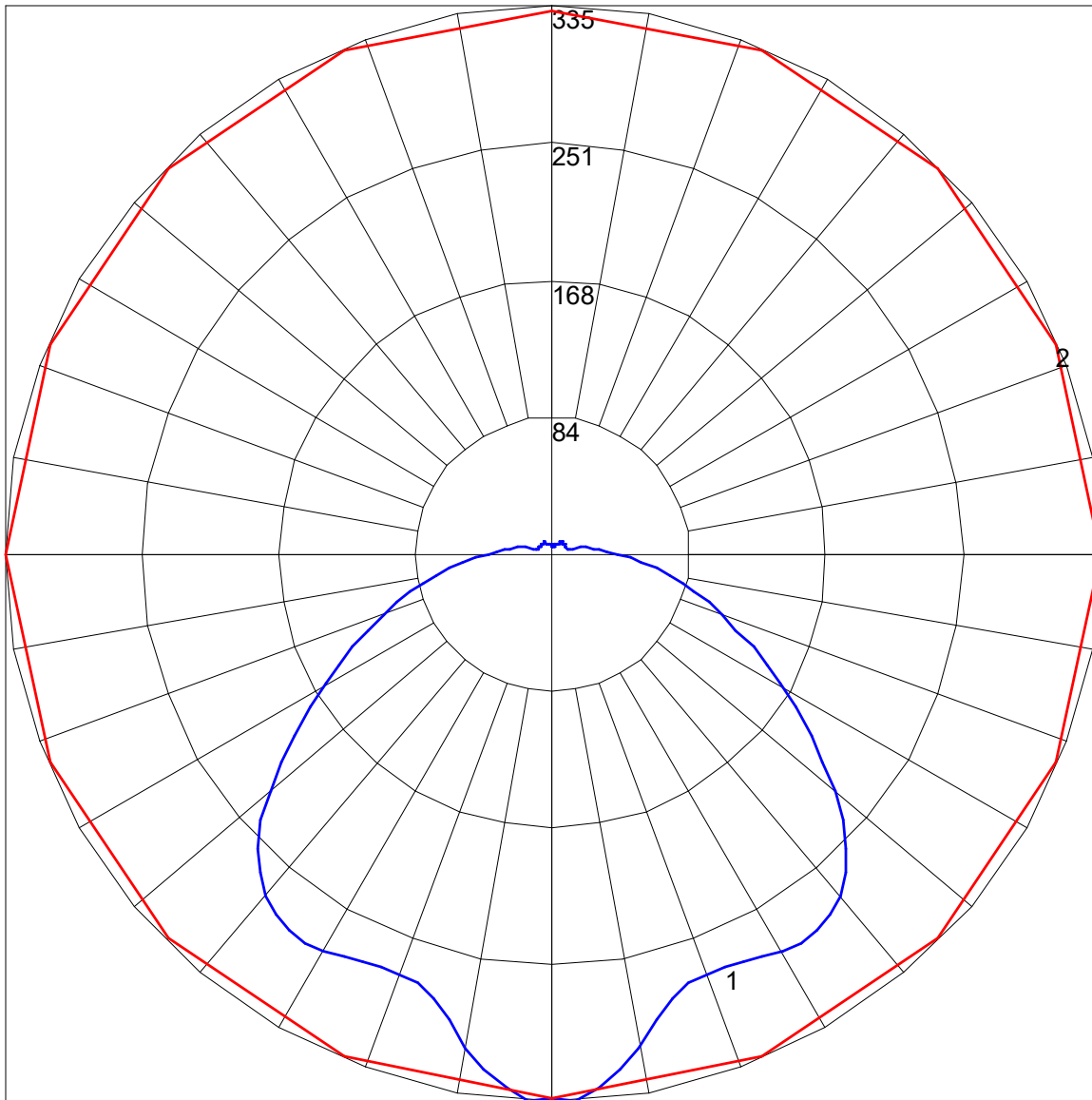
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

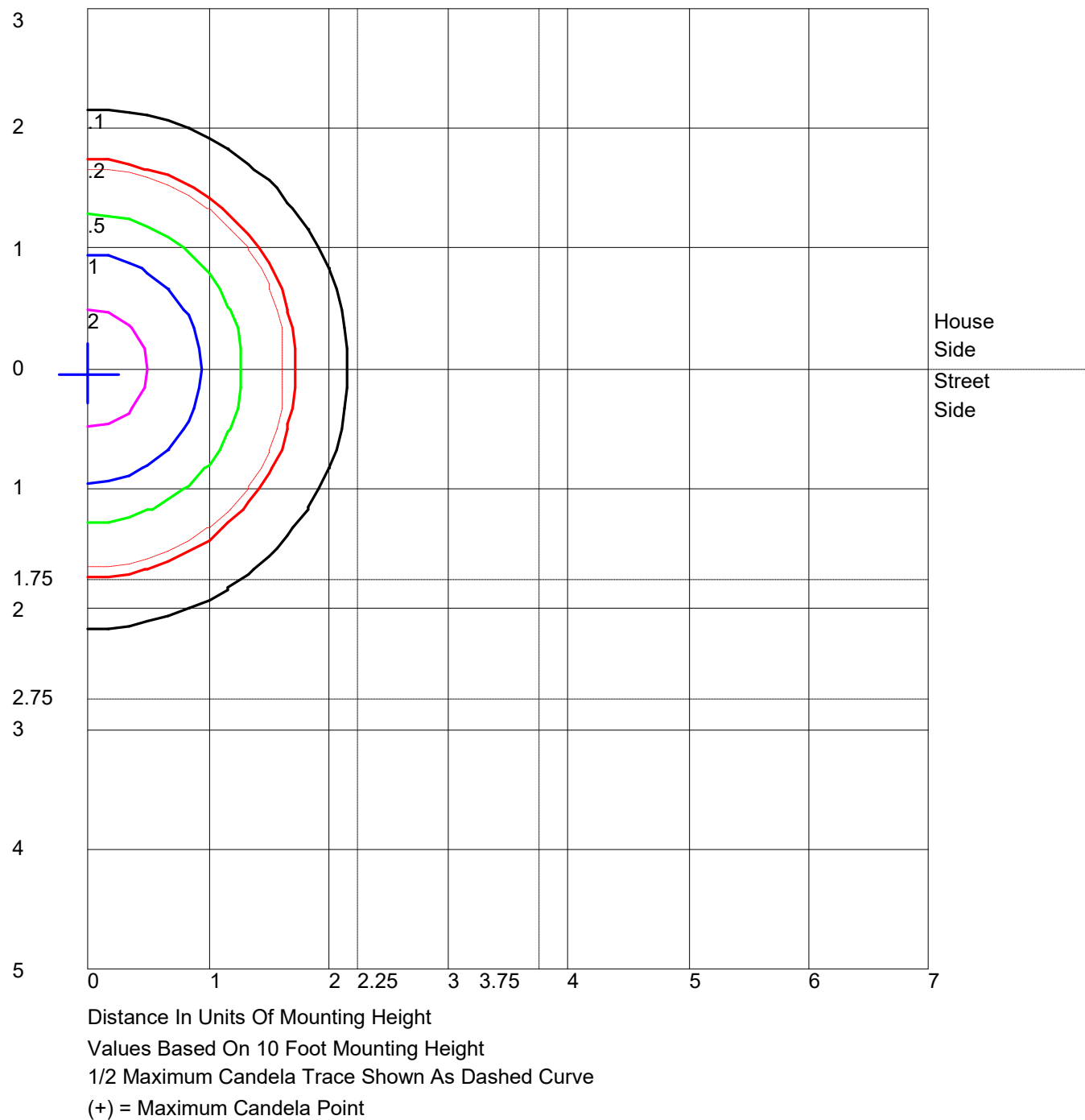
	Lumens	Percent Of Luminaire
Downward Street Side	538.4	46.4
Downward House Side	538.4	46.4
Downward Total	1076.8	92.8
Upward Street Side	41.7	3.6
Upward House Side	41.7	3.6
Upward Total	83.4	7.2
Total Flux	1160.2	100.0

POLAR GRAPH

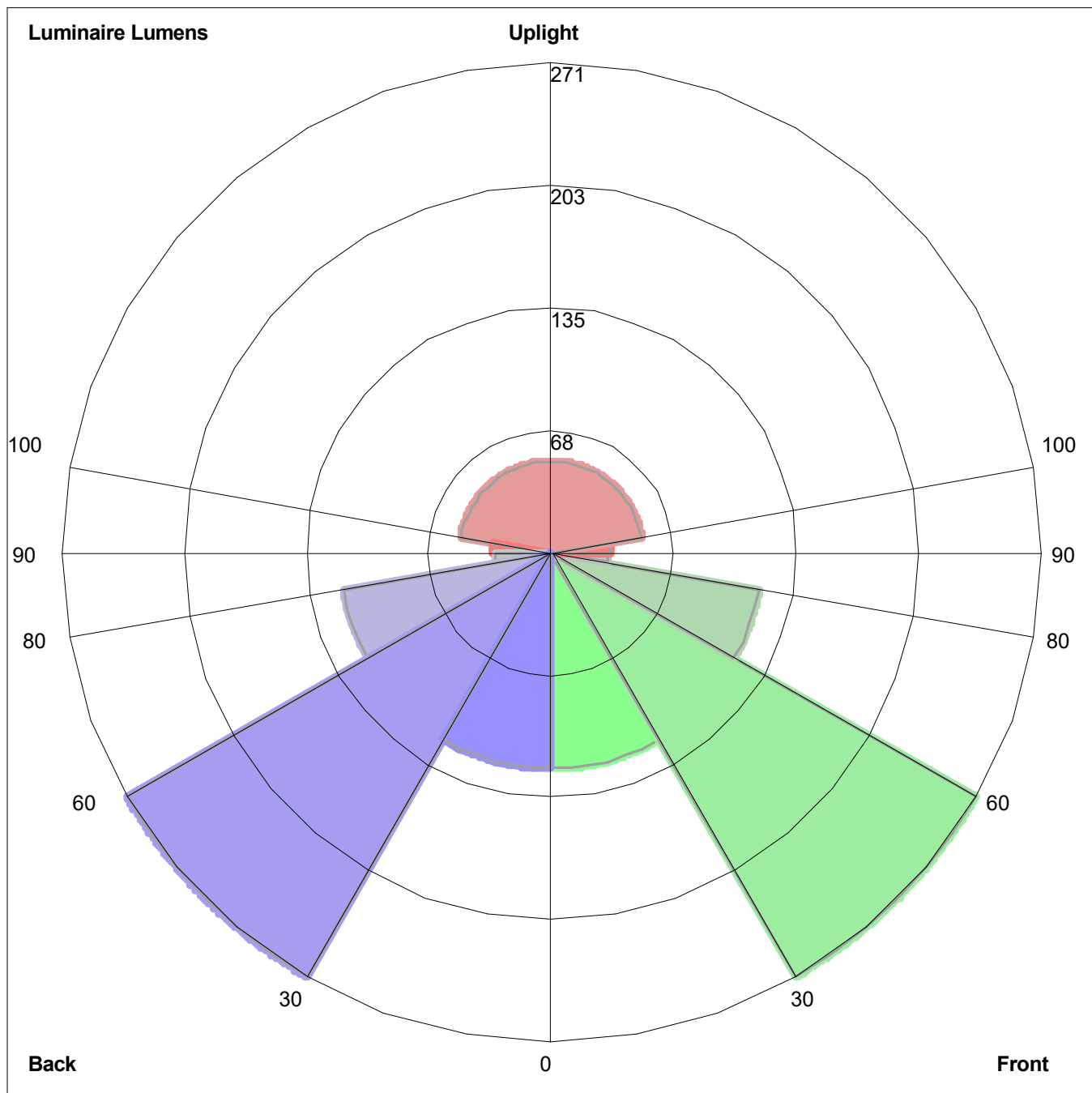


Maximum Candela = 335 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=119.4, Medium=270.8, High=116.8, Very High=31.5  
Back: Low=119.4, Medium=270.8, High=116.8, Very High=31.5  
Uplight: Low=32.7, High=50.7

BUG Rating : B1-U3-G1