



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-15L-50-FGG6-GWT.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LED-12004  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 4/19/2021  
[TESTDATE] 07/14/20  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-15L-50-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  
[ SEARCH\_COLORTEMP] 5000

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1146
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	331
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	331
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	40 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	77 (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)	118.2	N.A.	10.3
FM - Front-Medium (30-60)	268.1	N.A.	23.4
FH - Front-High (60-80)	115.5	N.A.	10.1
FVH - Front-Very High (80-90)	31.1	N.A.	2.7
BL - Back-Low (0-30)	118.2	N.A.	10.3
BM - Back-Medium (30-60)	268.1	N.A.	23.4
BH - Back-High (60-80)	115.5	N.A.	10.1
BVH - Back-Very High (80-90)	31.1	N.A.	2.7
UL - Uplight-Low (90-100)	32.4	N.A.	2.8
UH - Uplight-High (100-180)	47.8	N.A.	4.2
Total	1146.0	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

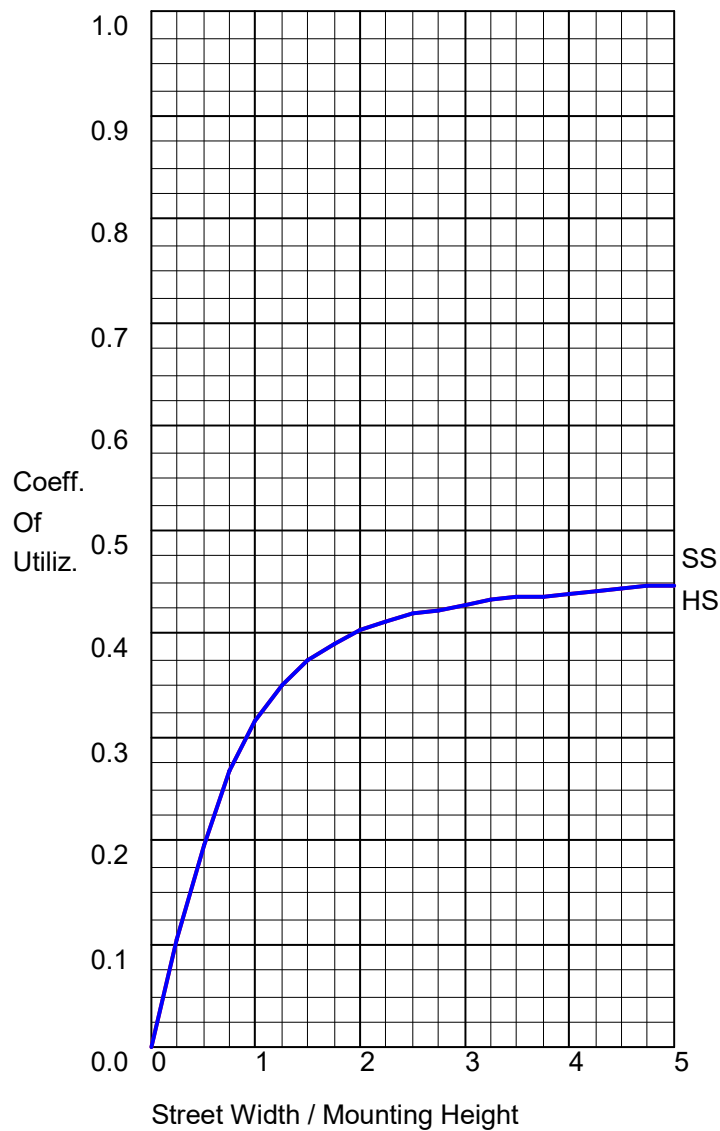
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	330	330	330	330	330
2.5	331	330	330	330	330
5.0	325	326	325	324	324
7.5	315	315	314	313	312
10.0	303	302	301	301	300
12.5	289	289	289	288	288
15.0	279	279	280	279	278
17.5	273	274	274	273	273
20.0	271	272	272	271	270
22.5	271	272	273	271	270
25.0	273	273	274	273	270
27.5	276	276	276	274	272
30.0	278	278	278	278	272
32.5	280	280	279	279	273
35.0	279	279	278	278	271
37.5	276	276	274	273	267
40.0	271	270	268	270	262
42.5	262	261	261	261	254
45.0	253	251	250	253	245
47.5	239	241	239	239	233
50.0	224	226	224	225	218
52.5	207	209	208	208	202
55.0	191	192	191	191	186
57.5	174	175	175	174	170
60.0	158	160	160	158	156
62.5	146	146	146	146	144
65.0	134	135	135	135	134
67.5	121	122	122	122	121
70.0	109	111	111	112	111
72.5	99	103	104	103	99
75.0	89	93	93	92	88
77.5	80	83	85	86	82
80.0	73	76	76	77	75
82.5	63	65	66	66	64
85.0	54	57	58	58	56
87.5	47	48	50	48	47
90.0	39	39	40	40	39
92.5	34	34	34	34	34
95.0	29	29	29	29	29
97.5	25	25	25	25	25
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	8	8	8	10	10
115.0	8	8	8	8	10
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	7
147.5	8	7	8	8	8
150.0	7	7	7	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	7	7	6
165.0	6	6	6	6	6
167.5	6	6	6	6	6
170.0	6	6	6	6	6
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

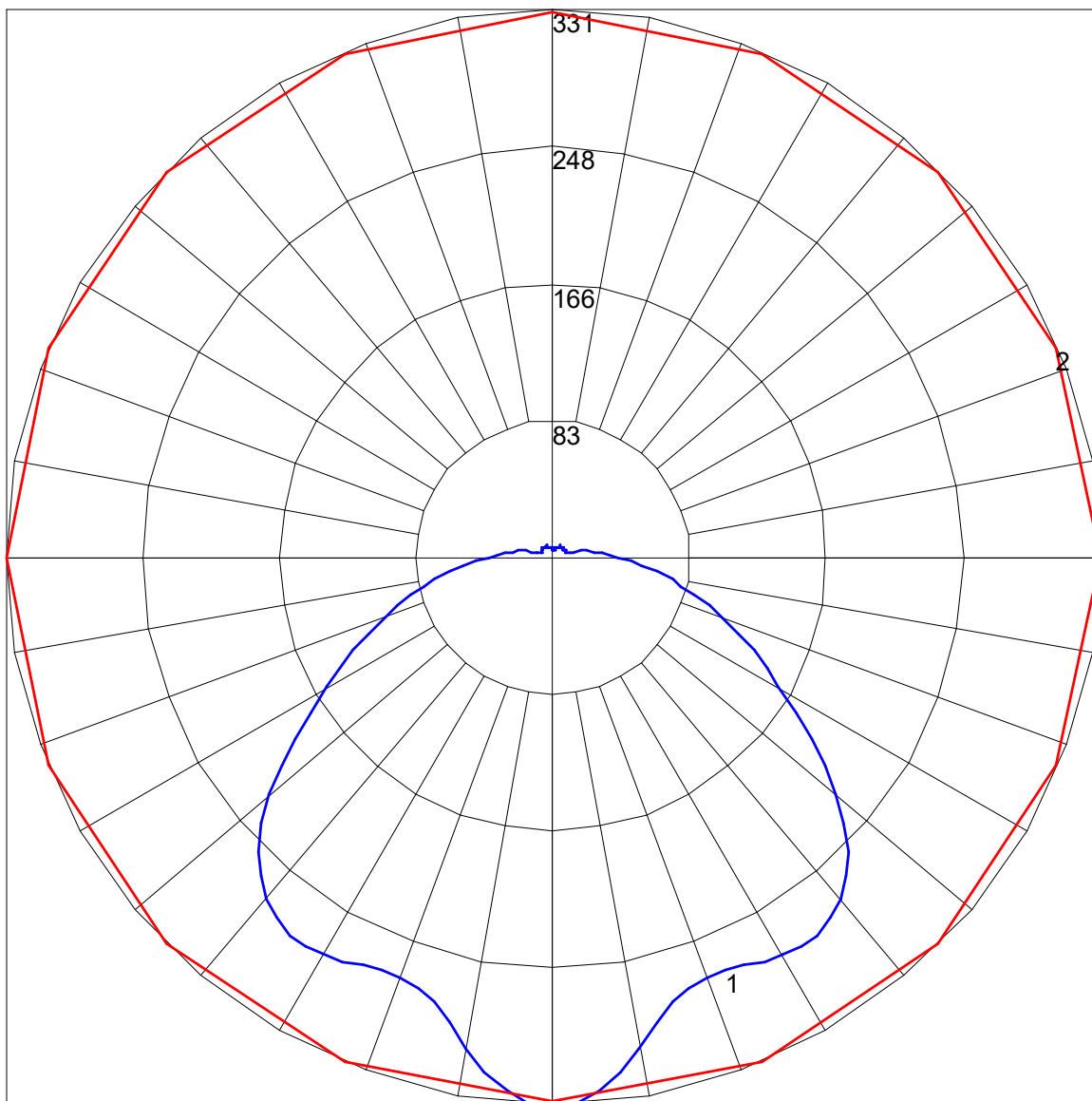
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

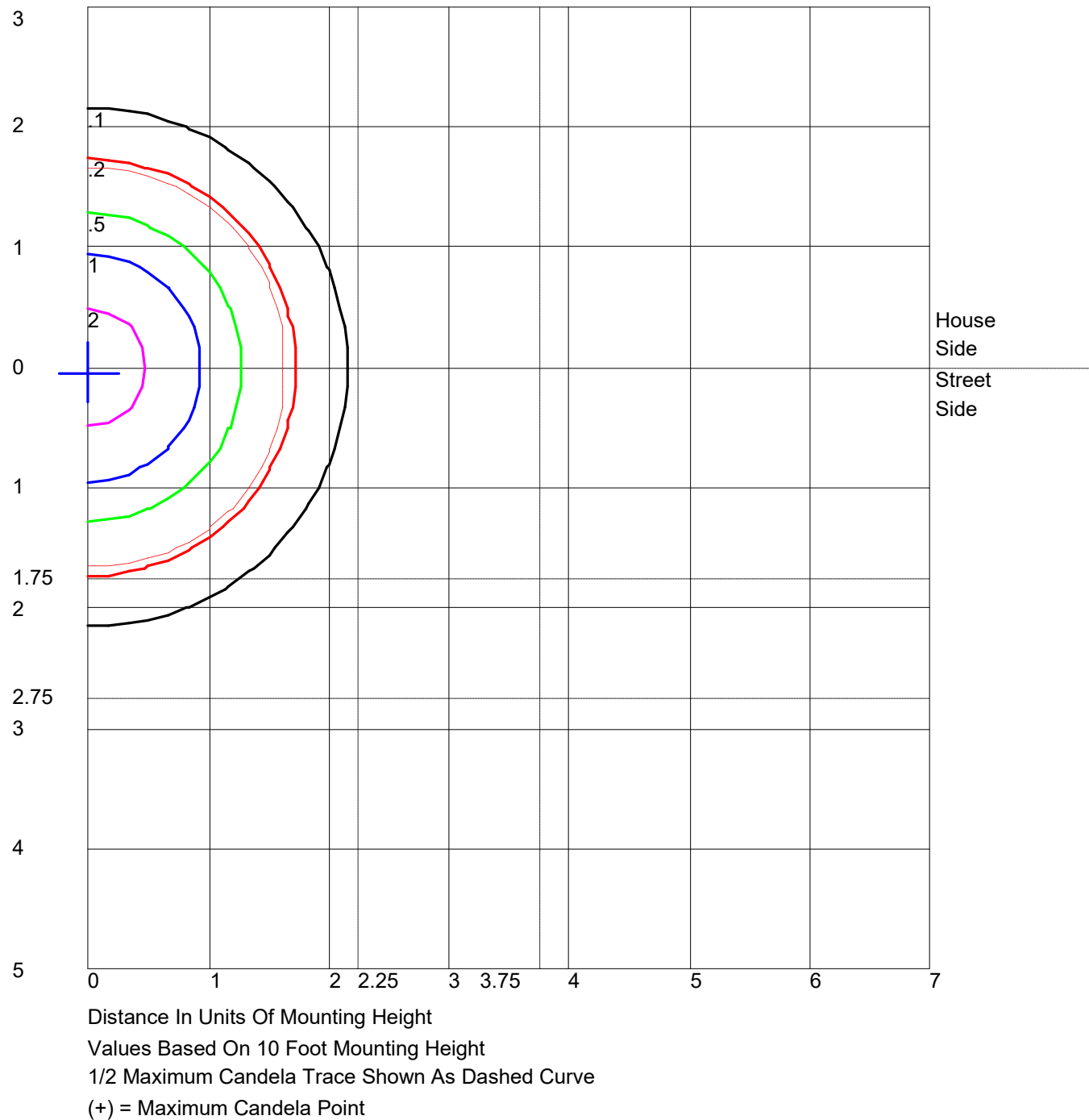
	Lumens	Percent Of Luminaire
Downward Street Side	532.8	46.5
Downward House Side	532.8	46.5
Downward Total	1065.6	93.0
Upward Street Side	40.1	3.5
Upward House Side	40.1	3.5
Upward Total	80.2	7.0
Total Flux	1145.8	100.0

POLAR GRAPH

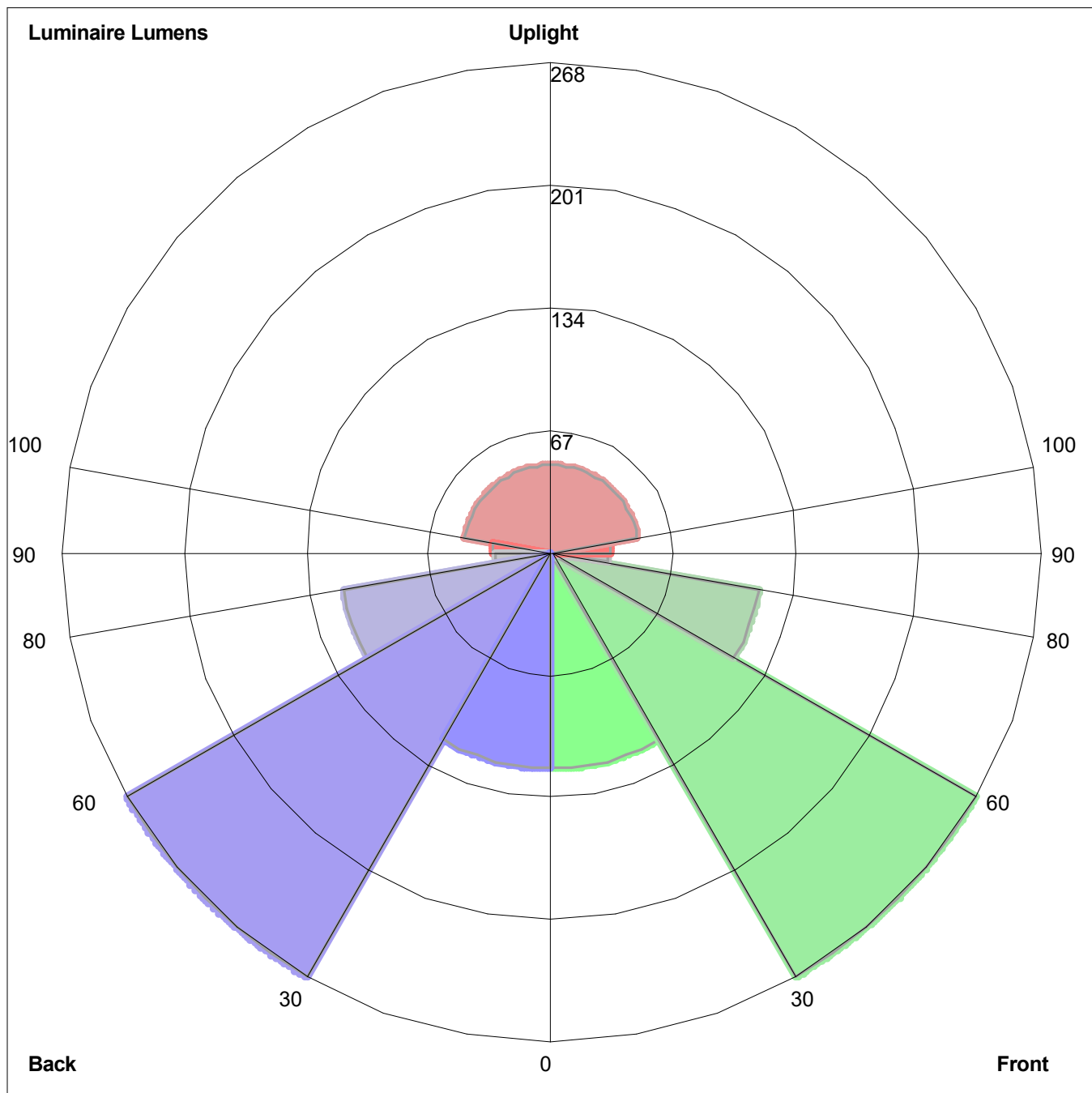


Maximum Candela = 331 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=118.2, Medium=268.1, High=115.5, Very High=31.1  
Back: Low=118.2, Medium=268.1, High=115.5, Very High=31.1  
Uplight: Low=32.4, High=47.8

BUG Rating : B1-U2-G1