



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-17L-35-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  
[MANUFACTURER] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-17L-35-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	1300
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	375
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	375
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	45 (3.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	88 (6.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	133.8	N.A.	10.3
FM - Front-Medium (30-60)	303.5	N.A.	23.4
FH - Front-High (60-80)	130.8	N.A.	10.1
FVH - Front-Very High (80-90)	35.2	N.A.	2.7
BL - Back-Low (0-30)	133.8	N.A.	10.3
BM - Back-Medium (30-60)	303.5	N.A.	23.4
BH - Back-High (60-80)	130.8	N.A.	10.1
BVH - Back-Very High (80-90)	35.2	N.A.	2.7
UL - Uplight-Low (90-100)	36.7	N.A.	2.8
UH - Uplight-High (100-180)	56.6	N.A.	4.4
Total	1299.9	N.A.	100.0
BUG Rating	B1-U3-G1		

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**CANDELA TABULATION**

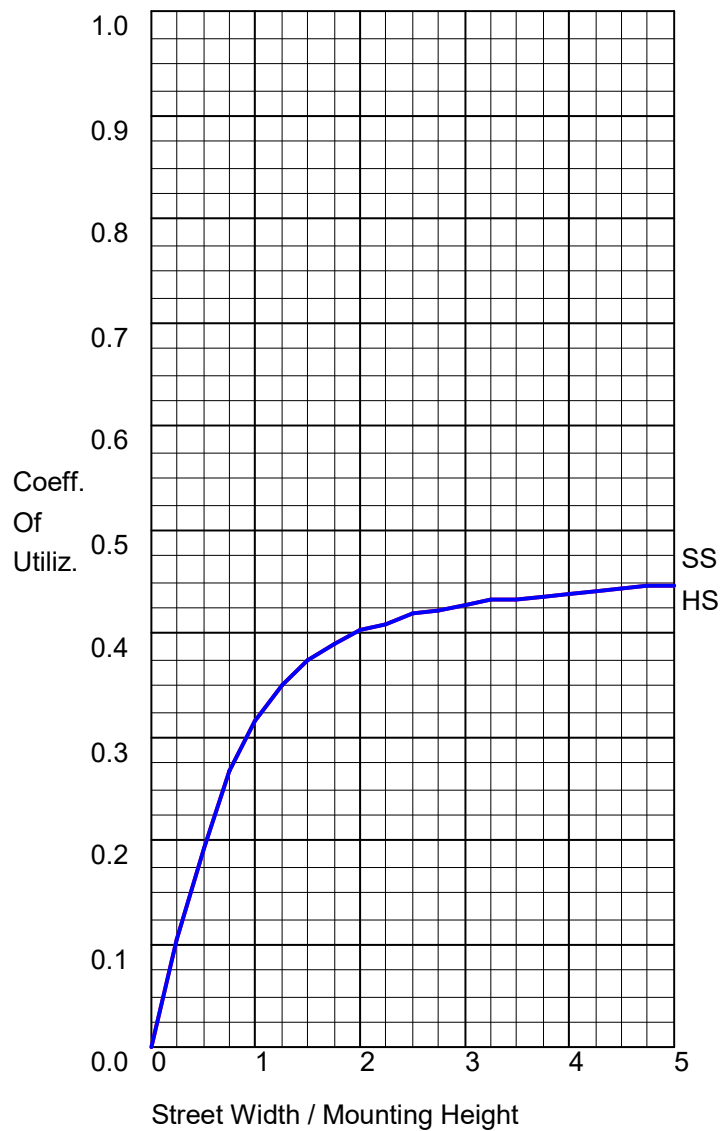
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	374	374	374	374	374
2.5	375	374	374	374	374
5.0	368	370	368	367	367
7.5	357	357	356	355	353
10.0	344	342	341	341	339
12.5	327	327	327	326	326
15.0	316	316	318	316	315
17.5	309	311	311	309	309
20.0	307	308	308	307	305
22.5	307	308	309	307	305
25.0	309	309	311	309	305
27.5	312	312	312	311	308
30.0	315	315	315	315	308
32.5	318	318	316	316	309
35.0	316	316	315	315	307
37.5	312	312	311	309	303
40.0	307	305	304	305	297
42.5	297	296	296	296	287
45.0	286	285	283	286	278
47.5	271	272	271	271	264
50.0	253	256	253	255	246
52.5	234	237	235	235	229
55.0	216	218	216	216	211
57.5	197	198	198	197	193
60.0	179	181	181	179	177
62.5	166	166	166	166	163
65.0	152	153	153	153	152
67.5	137	138	138	138	137
70.0	123	126	126	127	126
72.5	112	116	118	116	112
75.0	101	105	105	104	100
77.5	90	94	96	97	93
80.0	82	86	86	88	85
82.5	71	74	75	75	73
85.0	62	64	66	66	63
87.5	53	55	56	55	53
90.0	44	44	45	45	44
92.5	38	38	38	38	38
95.0	33	33	33	33	33
97.5	29	29	29	29	29
100.0	23	25	25	25	23
102.5	19	19	21	21	19
105.0	15	15	16	16	15
107.5	12	12	14	12	12
110.0	11	11	11	11	11
112.5	10	10	10	11	11
115.0	10	10	10	10	11
117.5	10	10	10	10	10
120.0	10	10	10	10	10
122.5	10	10	10	10	10
125.0	10	10	10	10	10
127.5	10	10	10	10	10
130.0	10	10	10	10	10

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	10	10	10	10	10
<b>135.0</b>	10	10	10	10	10
<b>137.5</b>	10	10	10	10	10
<b>140.0</b>	10	10	10	10	10
<b>142.5</b>	10	10	10	10	10
<b>145.0</b>	10	10	10	10	8
<b>147.5</b>	10	8	10	10	10
<b>150.0</b>	8	8	8	8	8
<b>152.5</b>	8	8	8	8	8
<b>155.0</b>	8	8	8	8	8
<b>157.5</b>	8	8	8	8	8
<b>160.0</b>	8	8	8	8	8
<b>162.5</b>	7	7	8	8	7
<b>165.0</b>	7	7	7	7	7
<b>167.5</b>	7	7	7	7	7
<b>170.0</b>	7	7	7	7	7
<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

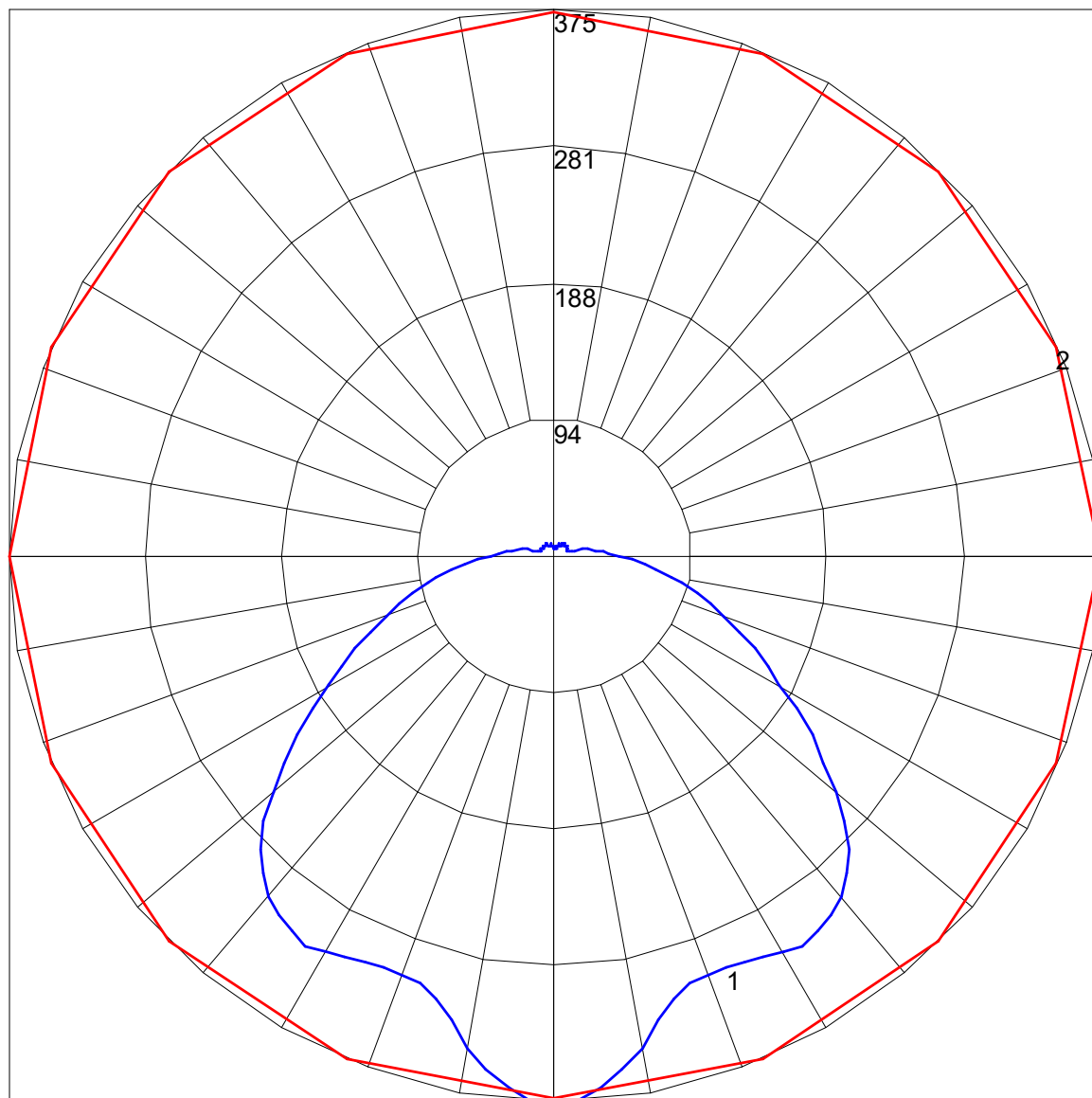
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

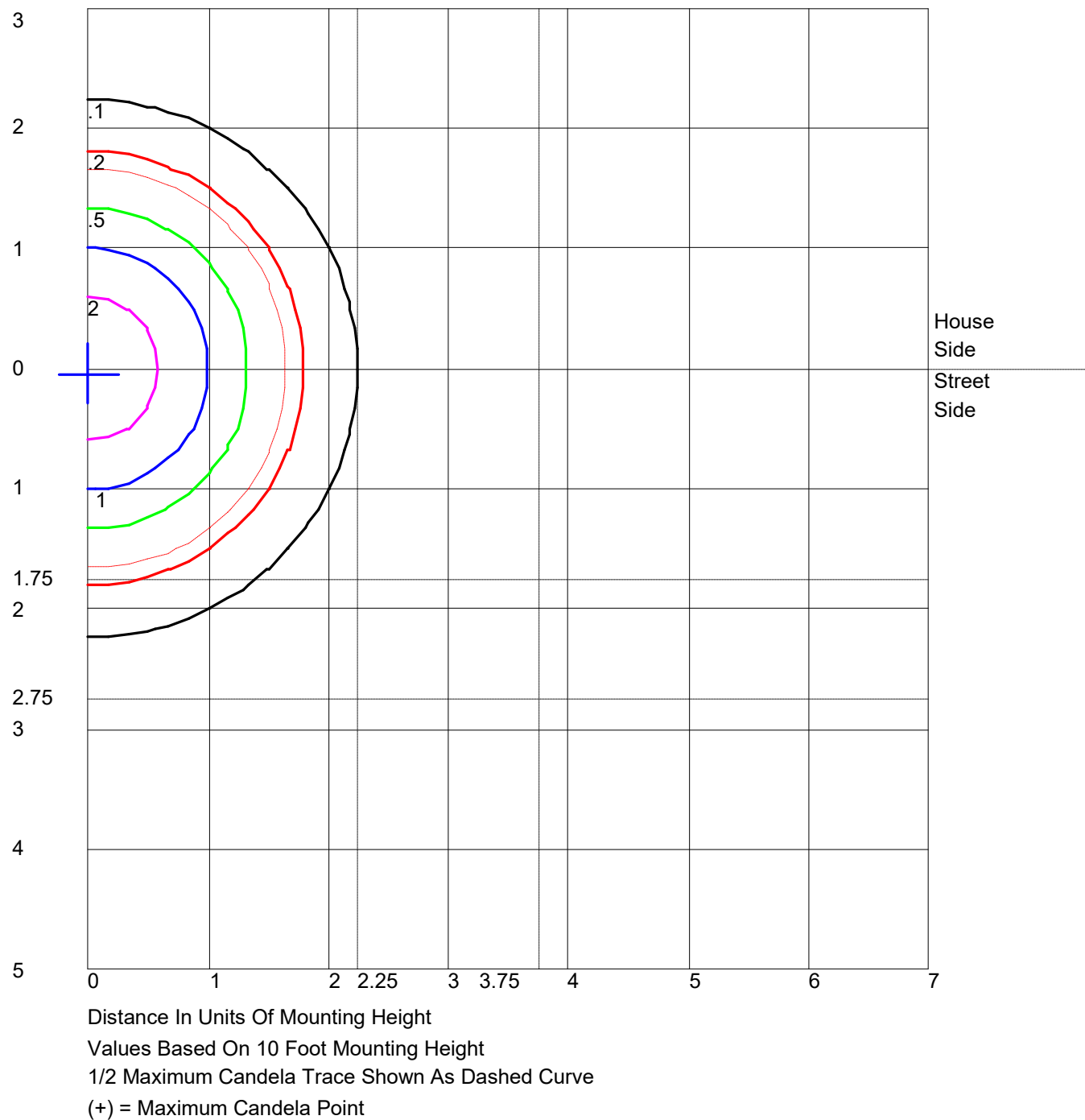
	Lumens	Percent Of Luminaire
Downward Street Side	603.4	46.4
Downward House Side	603.4	46.4
Downward Total	1206.8	92.8
Upward Street Side	46.7	3.6
Upward House Side	46.7	3.6
Upward Total	93.4	7.2
Total Flux	1300.2	100.0

POLAR GRAPH

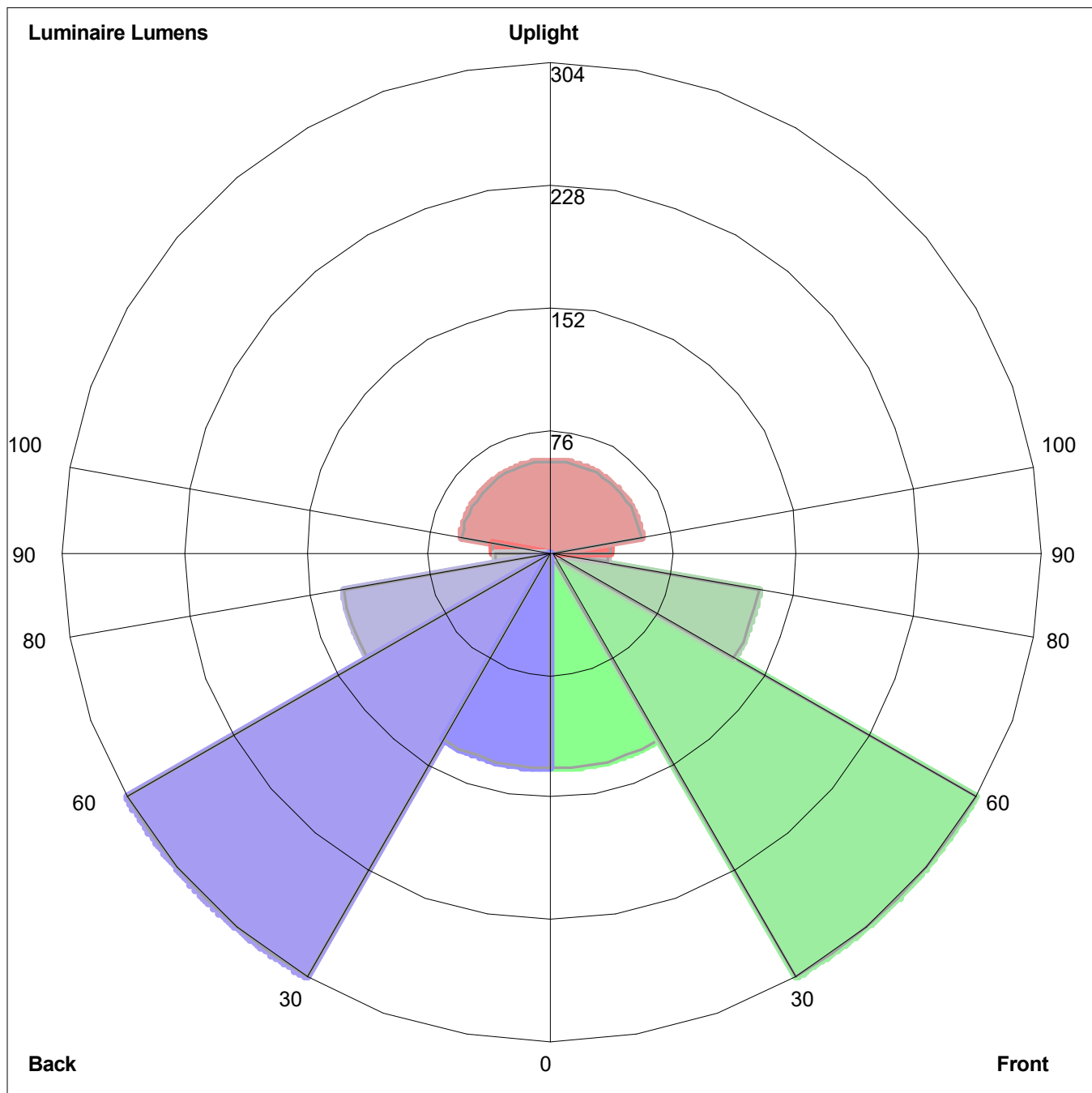


Maximum Candela = 375 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=133.8, Medium=303.5, High=130.8, Very High=35.2  
Back: Low=133.8, Medium=303.5, High=130.8, Very High=35.2  
Uplight: Low=36.7, High=56.6

BUG Rating : B1-U3-G1