



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-17L-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  
[MANUFACT] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-17L-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	1492
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	1006
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	1006
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	20 (1.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	55 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	204.0	N.A.	13.7
FM - Front-Medium (30-60)	431.7	N.A.	28.9
FH - Front-High (60-80)	54.1	N.A.	3.6
FVH - Front-Very High (80-90)	18.7	N.A.	1.3
BL - Back-Low (0-30)	204.0	N.A.	13.7
BM - Back-Medium (30-60)	431.7	N.A.	28.9
BH - Back-High (60-80)	54.1	N.A.	3.6
BVH - Back-Very High (80-90)	18.7	N.A.	1.3
UL - Uplight-Low (90-100)	20.0	N.A.	1.3
UH - Uplight-High (100-180)	55.1	N.A.	3.7
Total	1492.1	N.A.	100.0
BUG Rating	B1-U3-G1		

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**CANDELA TABULATION**

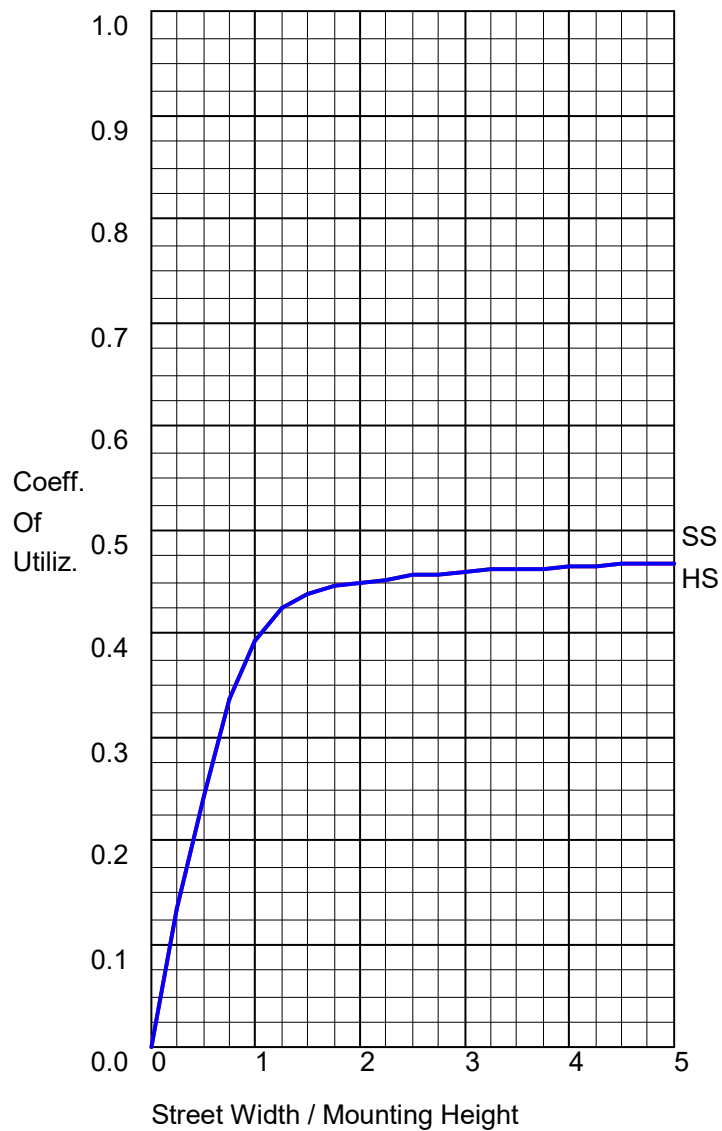
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	905	905	905	905	905
2.5	899	898	890	883	872
5.0	789	830	969	1006	943
7.5	556	634	877	973	936
10.0	420	394	545	573	508
12.5	312	290	336	273	306
15.0	264	276	325	225	323
17.5	339	348	440	347	455
20.0	514	485	530	492	544
22.5	536	497	477	477	476
25.0	492	476	461	447	436
27.5	515	511	507	491	492
30.0	529	529	532	525	529
32.5	541	538	547	536	541
35.0	533	532	537	537	537
37.5	507	511	514	521	519
40.0	500	497	496	502	500
42.5	492	488	484	481	484
45.0	488	487	488	481	480
47.5	462	470	478	474	474
50.0	385	399	406	398	396
52.5	265	283	294	288	280
55.0	154	163	174	169	163
57.5	79	82	83	83	82
60.0	61	61	61	61	63
62.5	56	56	57	57	57
65.0	53	53	53	53	55
67.5	57	56	52	51	52
70.0	51	60	63	56	48
72.5	42	56	52	49	41
75.0	48	55	51	51	41
77.5	42	53	55	49	38
80.0	41	55	48	44	34
82.5	38	48	41	37	31
85.0	34	40	33	34	29
87.5	31	33	29	30	26
90.0	20	19	18	18	18
92.5	18	19	18	18	18
95.0	19	19	19	19	19
97.5	18	18	18	18	18
100.0	18	18	18	18	18
102.5	16	18	18	18	16
105.0	14	15	15	15	14
107.5	12	14	14	14	12
110.0	10	11	11	11	11
112.5	10	10	10	10	10
115.0	10	10	10	10	10
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	10
<b>147.5</b>	8	10	10	10	10
<b>150.0</b>	8	8	10	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	7	7	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	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

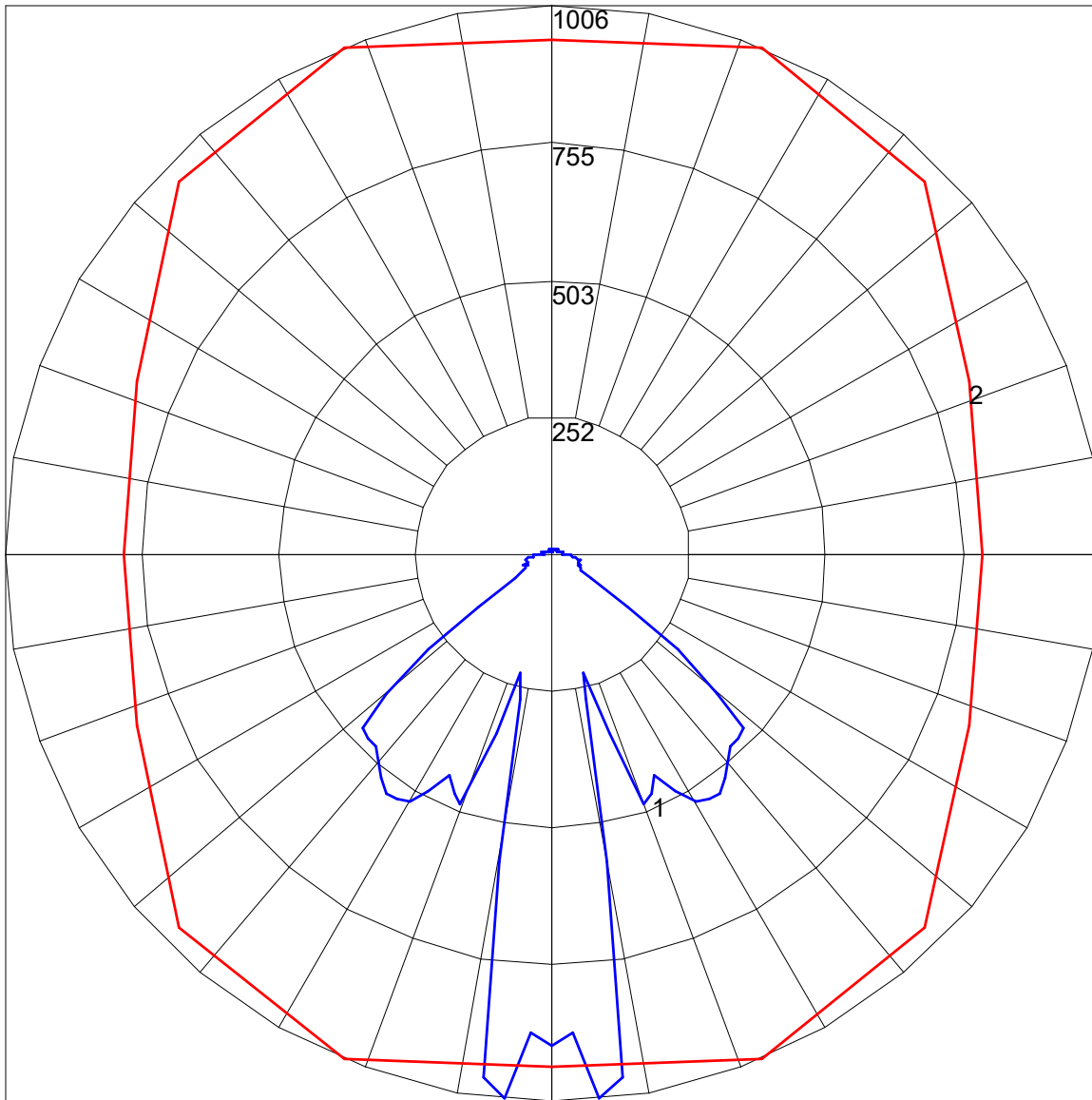
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

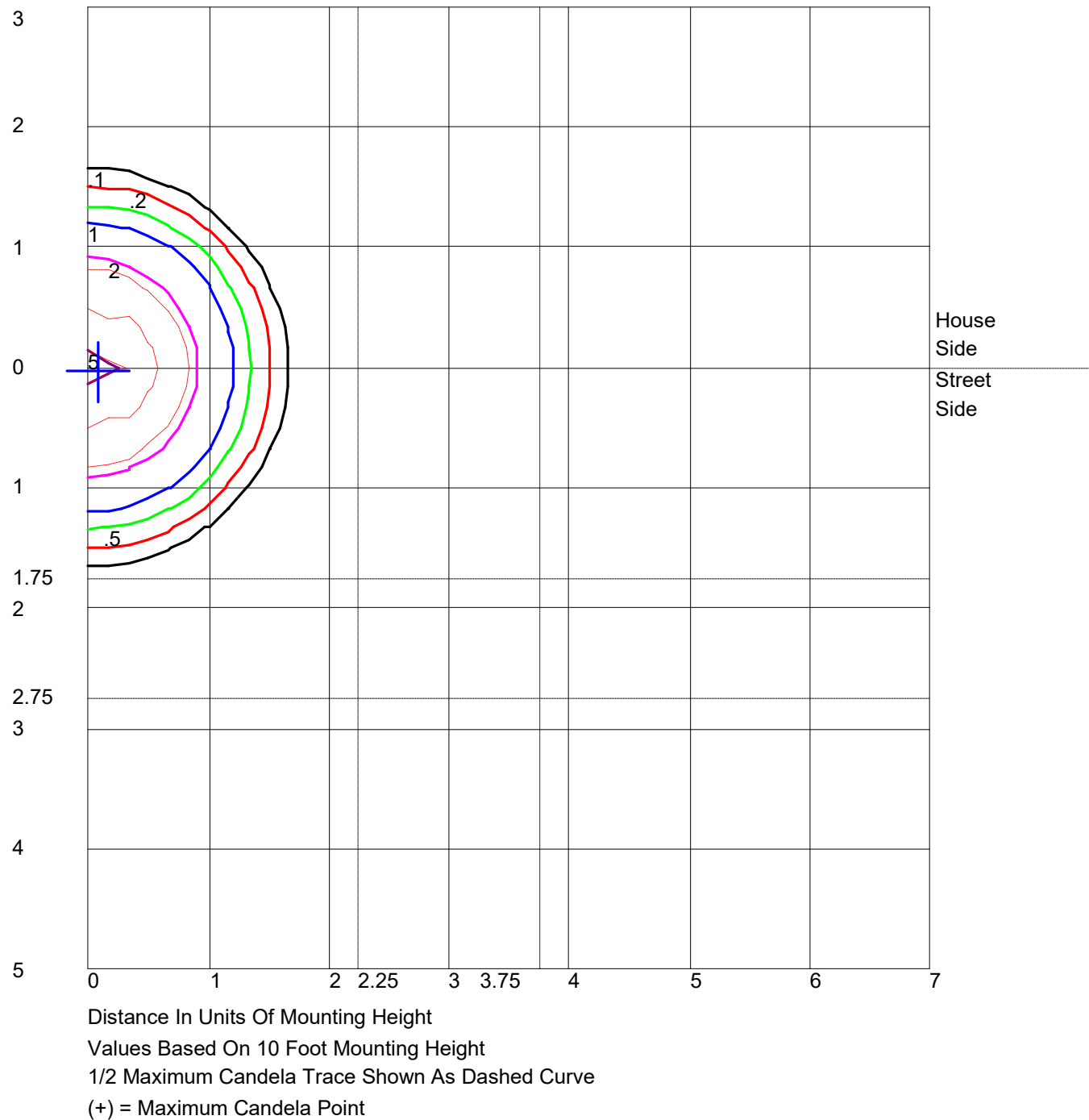
	Lumens	Percent Of Luminaire
Downward Street Side	708.5	47.5
Downward House Side	708.5	47.5
Downward Total	1417.0	95.0
Upward Street Side	37.6	2.5
Upward House Side	37.6	2.5
Upward Total	75.2	5.0
Total Flux	1492.2	100.0

POLAR GRAPH

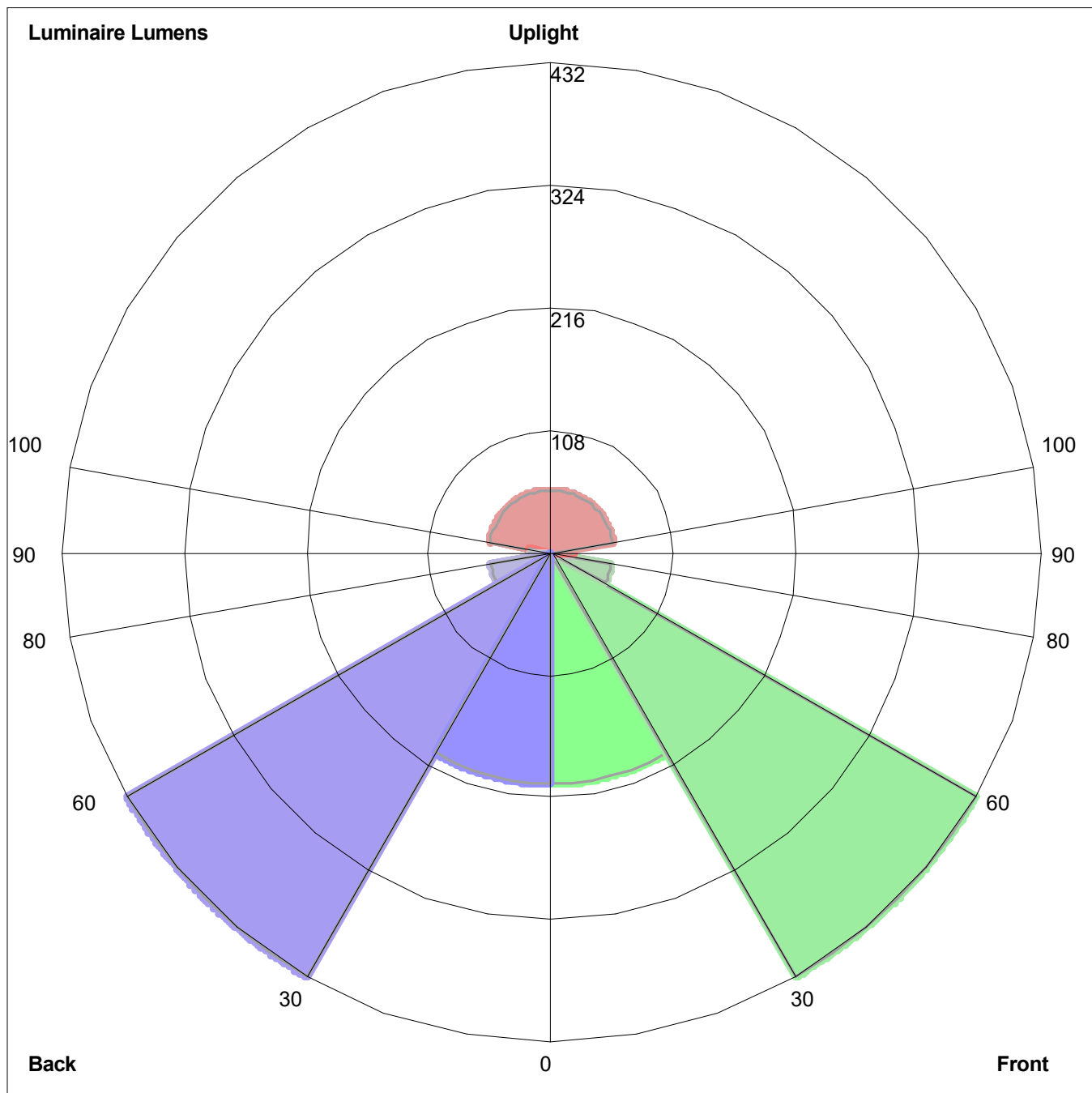


Maximum Candela = 1006 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=204.0, Medium=431.7, High=54.1, Very High=18.7  
Back: Low=204.0, Medium=431.7, High=54.1, Very High=18.7  
Uplight: Low=20.0, High=55.1

BUG Rating : B1-U3-G1