



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-17L-27-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-27-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	1506
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	12.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	1016
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	1016
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	21 (1.4% 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)	206.1	N.A.	13.7
FM - Front-Medium (30-60)	436.0	N.A.	28.9
FH - Front-High (60-80)	54.7	N.A.	3.6
FVH - Front-Very High (80-90)	18.8	N.A.	1.2
BL - Back-Low (0-30)	206.1	N.A.	13.7
BM - Back-Medium (30-60)	436.0	N.A.	28.9
BH - Back-High (60-80)	54.7	N.A.	3.6
BVH - Back-Very High (80-90)	18.8	N.A.	1.2
UL - Uplight-Low (90-100)	20.1	N.A.	1.3
UH - Uplight-High (100-180)	55.2	N.A.	3.7
Total	1506.5	N.A.	100.0
BUG Rating	B1-U3-G1		

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**CANDELA TABULATION**

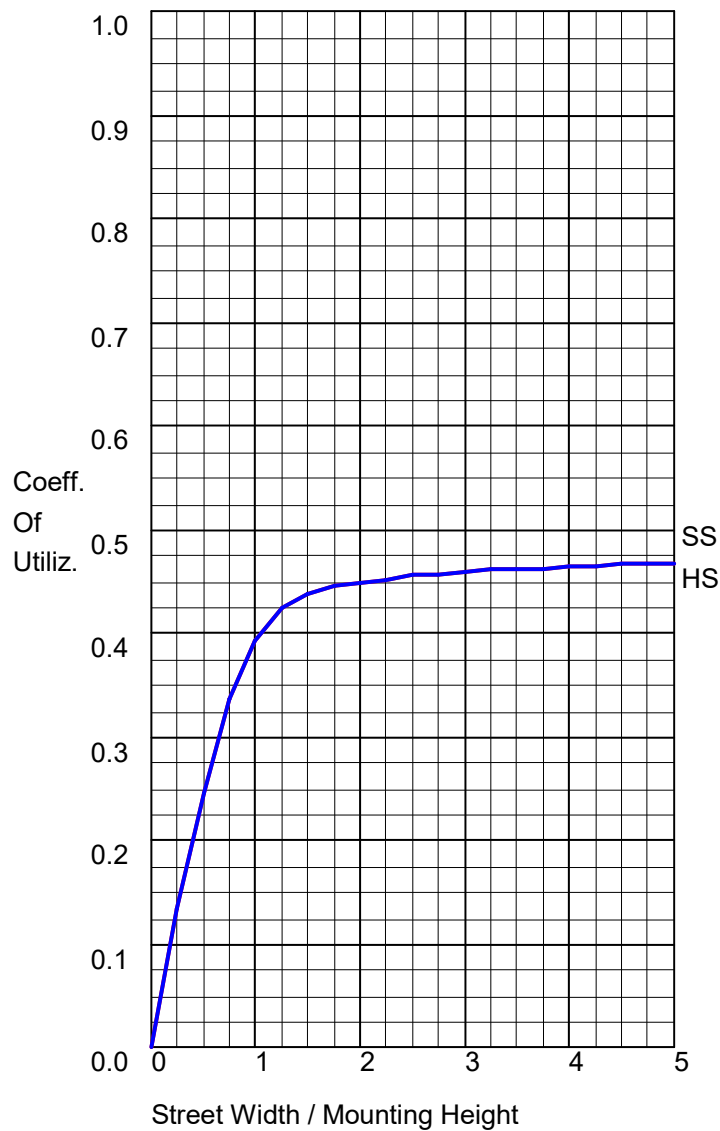
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	914	914	914	914	914
2.5	908	907	899	892	881
5.0	796	838	979	1016	952
7.5	562	640	886	983	946
10.0	424	398	551	578	514
12.5	315	293	340	276	309
15.0	266	279	329	228	326
17.5	342	352	444	351	460
20.0	519	490	536	497	549
22.5	541	502	482	482	480
25.0	497	480	465	451	440
27.5	520	516	512	496	497
30.0	534	534	537	530	534
32.5	547	544	552	541	547
35.0	538	537	542	542	542
37.5	512	516	519	526	525
40.0	505	502	501	507	505
42.5	497	493	489	486	489
45.0	493	491	493	486	485
47.5	467	475	483	479	479
50.0	389	403	410	402	400
52.5	268	286	297	291	283
55.0	156	164	175	171	164
57.5	80	83	84	84	83
60.0	62	62	62	62	63
62.5	57	57	58	58	58
65.0	54	54	54	54	55
67.5	58	57	52	51	52
70.0	51	61	63	57	48
72.5	43	57	52	50	41
75.0	48	55	51	51	41
77.5	43	54	55	50	39
80.0	41	55	48	44	35
82.5	39	48	41	37	32
85.0	35	40	33	35	29
87.5	32	33	29	30	26
90.0	21	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	17	18	18	18	17
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	6
<b>172.5</b>	6	6	6	6	6
<b>175.0</b>	6	6	6	6	6
<b>177.5</b>	4	4	4	6	6
<b>180.0</b>	4	4	4	4	4

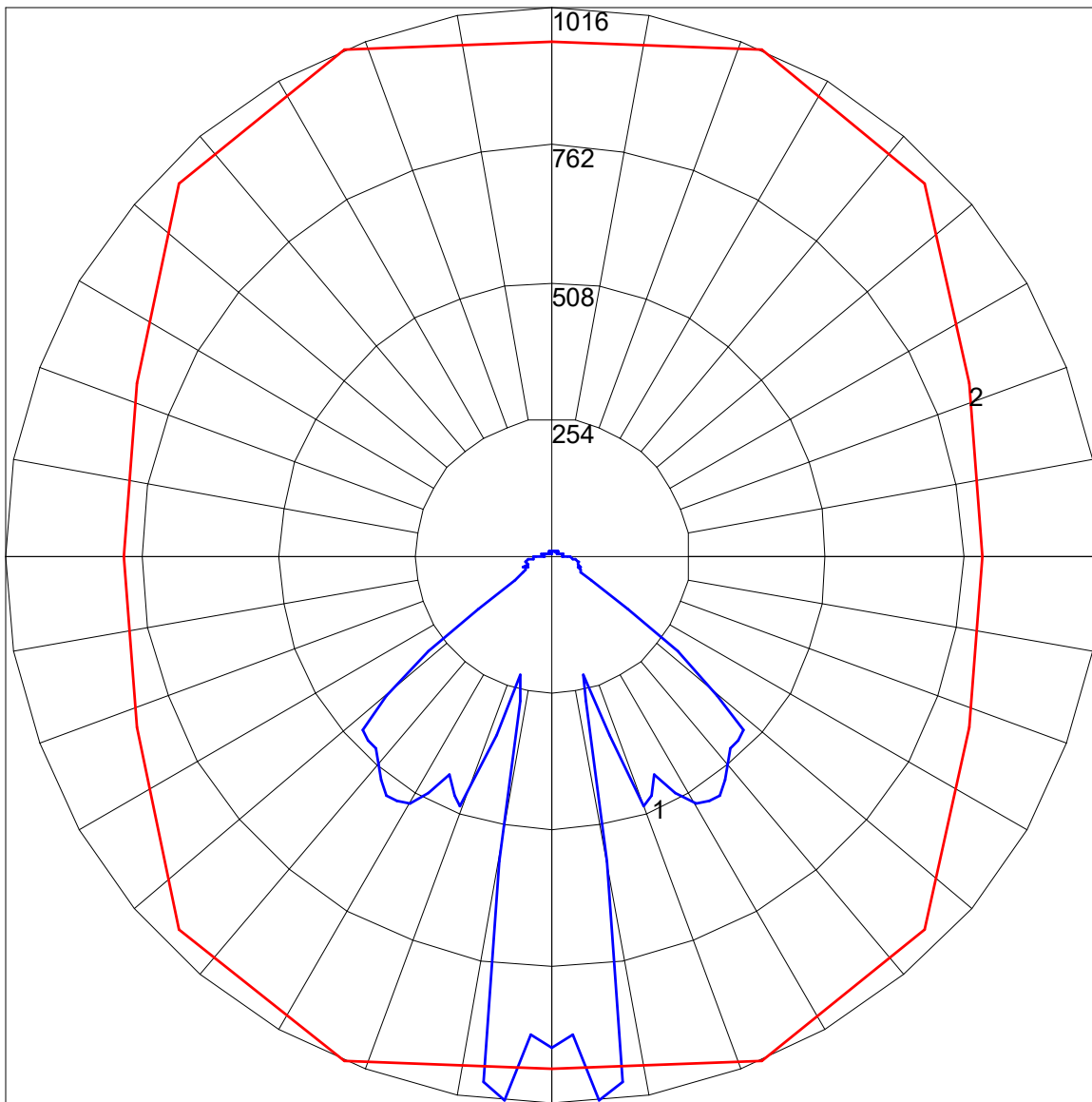
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

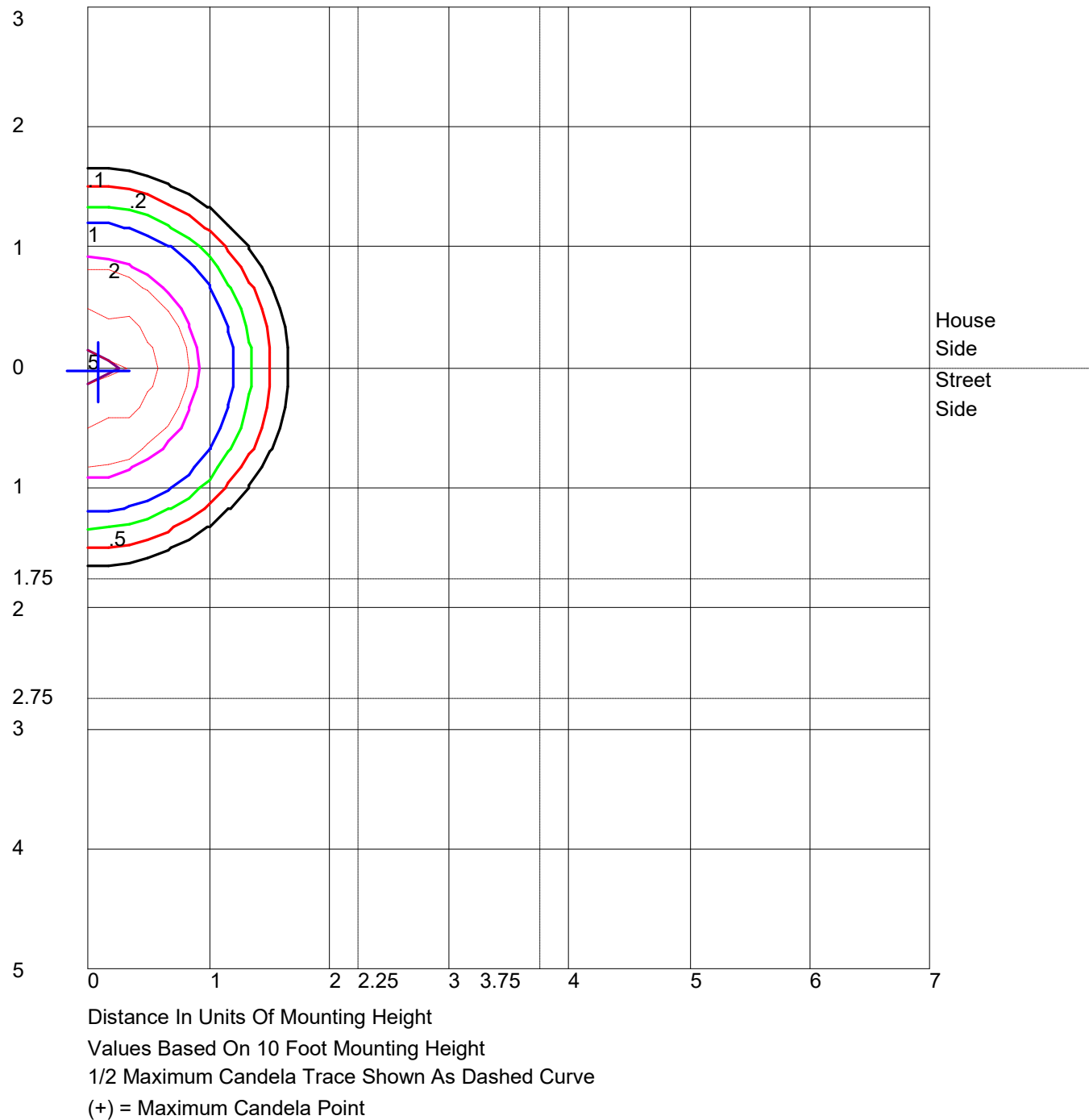
	Lumens	Percent Of Luminaire
Downward Street Side	715.6	47.5
Downward House Side	715.6	47.5
Downward Total	1431.2	95.0
Upward Street Side	37.7	2.5
Upward House Side	37.7	2.5
Upward Total	75.4	5.0
Total Flux	1506.6	100.0

POLAR GRAPH

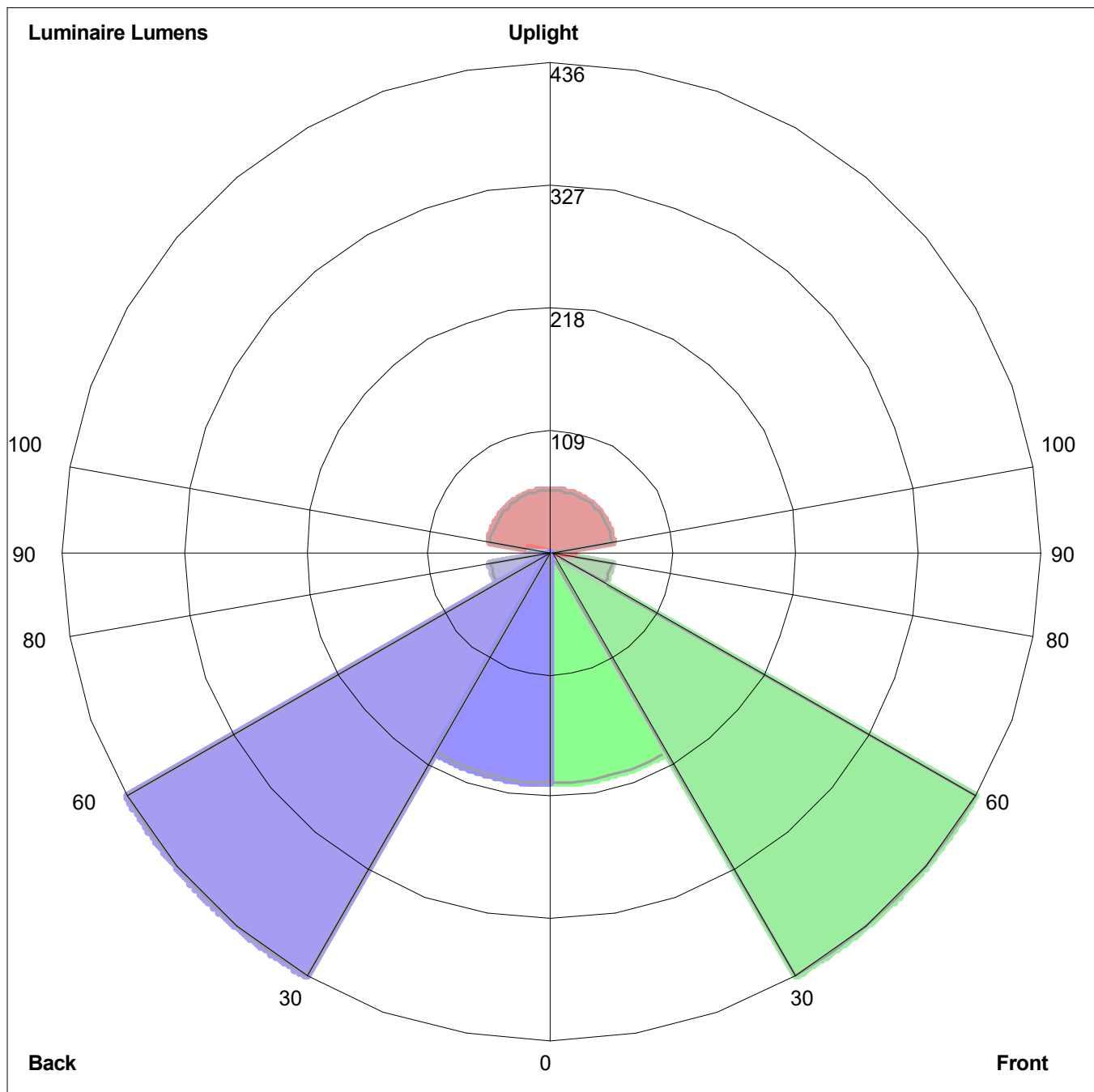


Maximum Candela = 1016 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=206.1, Medium=436.0, High=54.7, Very High=18.8  
Back: Low=206.1, Medium=436.0, High=54.7, Very High=18.8  
Uplight: Low=20.1, High=55.2

BUG Rating : B1-U3-G1