



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-12L-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  
[MANUFACTURER] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-12L-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	1091
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	736
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	736
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	15 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	40 (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)	149.3	N.A.	13.7
FM - Front-Medium (30-60)	315.9	N.A.	29.0
FH - Front-High (60-80)	39.6	N.A.	3.6
FVH - Front-Very High (80-90)	13.7	N.A.	1.3
BL - Back-Low (0-30)	149.3	N.A.	13.7
BM - Back-Medium (30-60)	315.9	N.A.	29.0
BH - Back-High (60-80)	39.6	N.A.	3.6
BVH - Back-Very High (80-90)	13.7	N.A.	1.3
UL - Uplight-Low (90-100)	14.6	N.A.	1.3
UH - Uplight-High (100-180)	39.3	N.A.	3.6
Total	1090.9	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

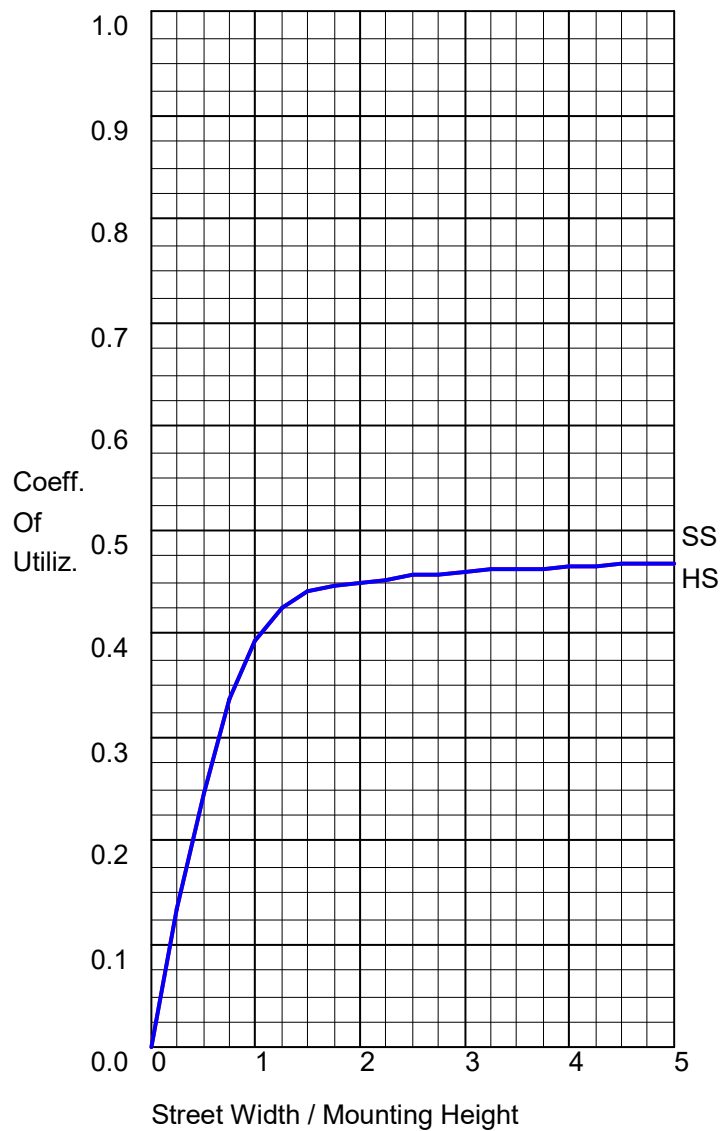
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	662	662	662	662	662
2.5	658	657	651	646	638
5.0	577	607	709	736	690
7.5	407	464	642	712	685
10.0	307	288	399	419	372
12.5	228	212	246	200	224
15.0	193	202	238	165	236
17.5	248	255	322	254	333
20.0	376	355	388	360	398
22.5	392	364	349	349	348
25.0	360	348	337	327	319
27.5	377	374	371	359	360
30.0	387	387	389	384	387
32.5	396	394	400	392	396
35.0	390	389	393	393	393
37.5	371	374	376	381	380
40.0	366	364	363	367	366
42.5	360	357	354	352	354
45.0	357	356	357	352	351
47.5	338	344	350	347	347
50.0	282	292	297	291	290
52.5	194	207	215	211	205
55.0	113	119	127	124	119
57.5	58	60	61	61	60
60.0	45	45	45	45	46
62.5	41	41	42	42	42
65.0	39	39	39	39	40
67.5	42	41	38	37	38
70.0	37	44	46	41	35
72.5	31	41	38	36	30
75.0	35	40	37	37	30
77.5	31	39	40	36	28
80.0	30	40	35	32	25
82.5	28	35	30	27	23
85.0	25	29	24	25	21
87.5	23	24	21	22	19
90.0	15	14	13	13	13
92.5	13	14	13	13	13
95.0	14	14	14	14	14
97.5	13	13	13	13	13
100.0	13	13	13	13	13
102.5	12	13	13	13	12
105.0	10	11	11	11	10
107.5	9	10	10	10	9
110.0	7	8	8	8	8
112.5	7	7	7	7	7
115.0	7	7	7	7	7
117.5	7	7	7	7	7
120.0	7	7	7	7	7
122.5	7	7	7	7	7
125.0	7	7	7	7	7
127.5	7	7	7	7	7
130.0	7	7	7	7	7

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	7	7	7	7	7
<b>135.0</b>	7	7	7	7	7
<b>137.5</b>	7	7	7	7	7
<b>140.0</b>	7	7	7	7	7
<b>142.5</b>	7	7	7	7	7
<b>145.0</b>	7	7	7	7	7
<b>147.5</b>	6	7	7	7	7
<b>150.0</b>	6	6	7	6	6
<b>152.5</b>	6	6	6	6	6
<b>155.0</b>	6	6	6	6	6
<b>157.5</b>	6	6	6	6	6
<b>160.0</b>	6	6	6	6	6
<b>162.5</b>	5	5	5	5	5
<b>165.0</b>	5	5	5	5	5
<b>167.5</b>	5	5	5	5	5
<b>170.0</b>	5	5	5	5	4
<b>172.5</b>	4	4	4	4	4
<b>175.0</b>	4	4	4	4	4
<b>177.5</b>	3	3	3	4	4
<b>180.0</b>	3	3	3	3	3

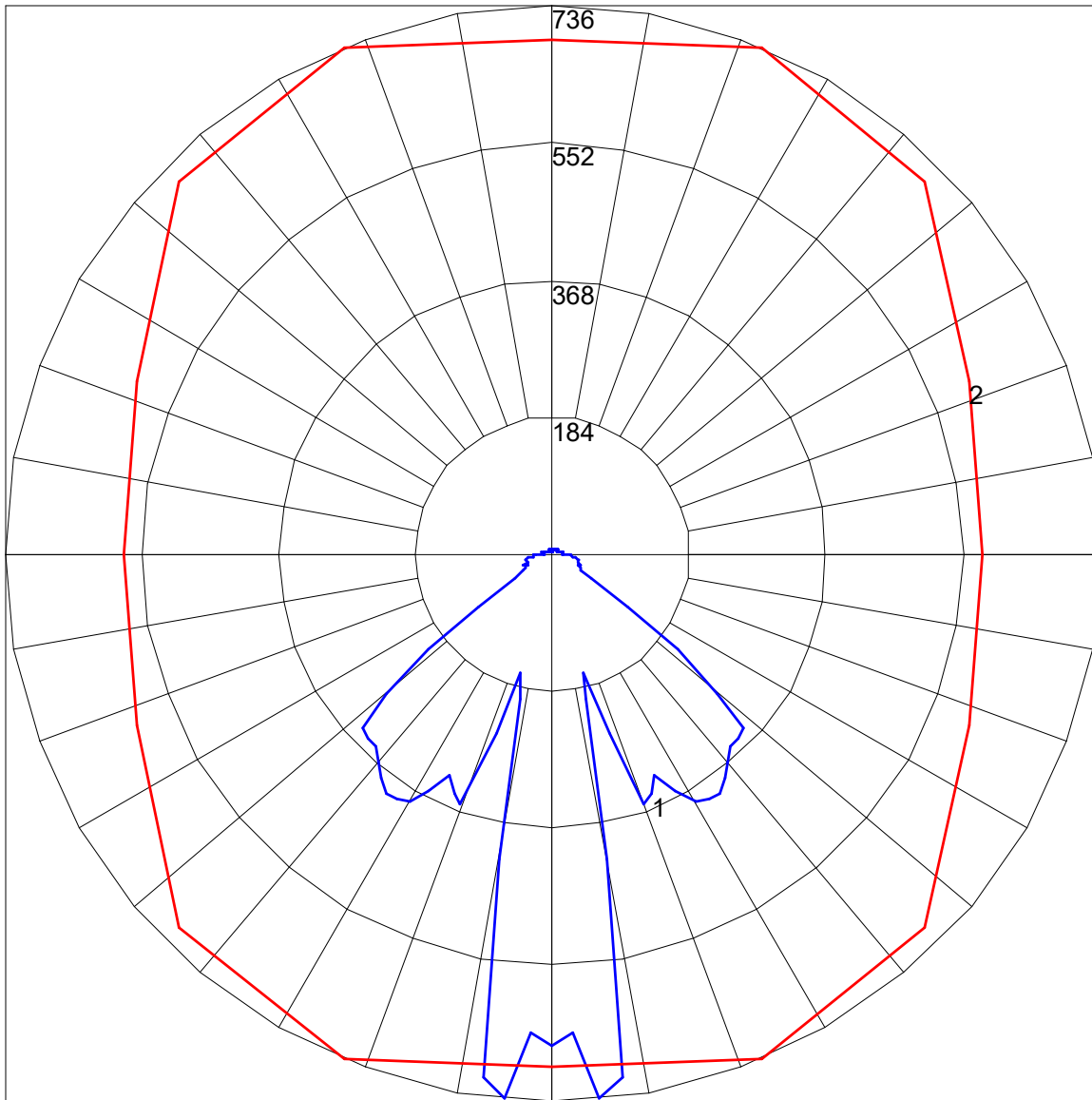
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

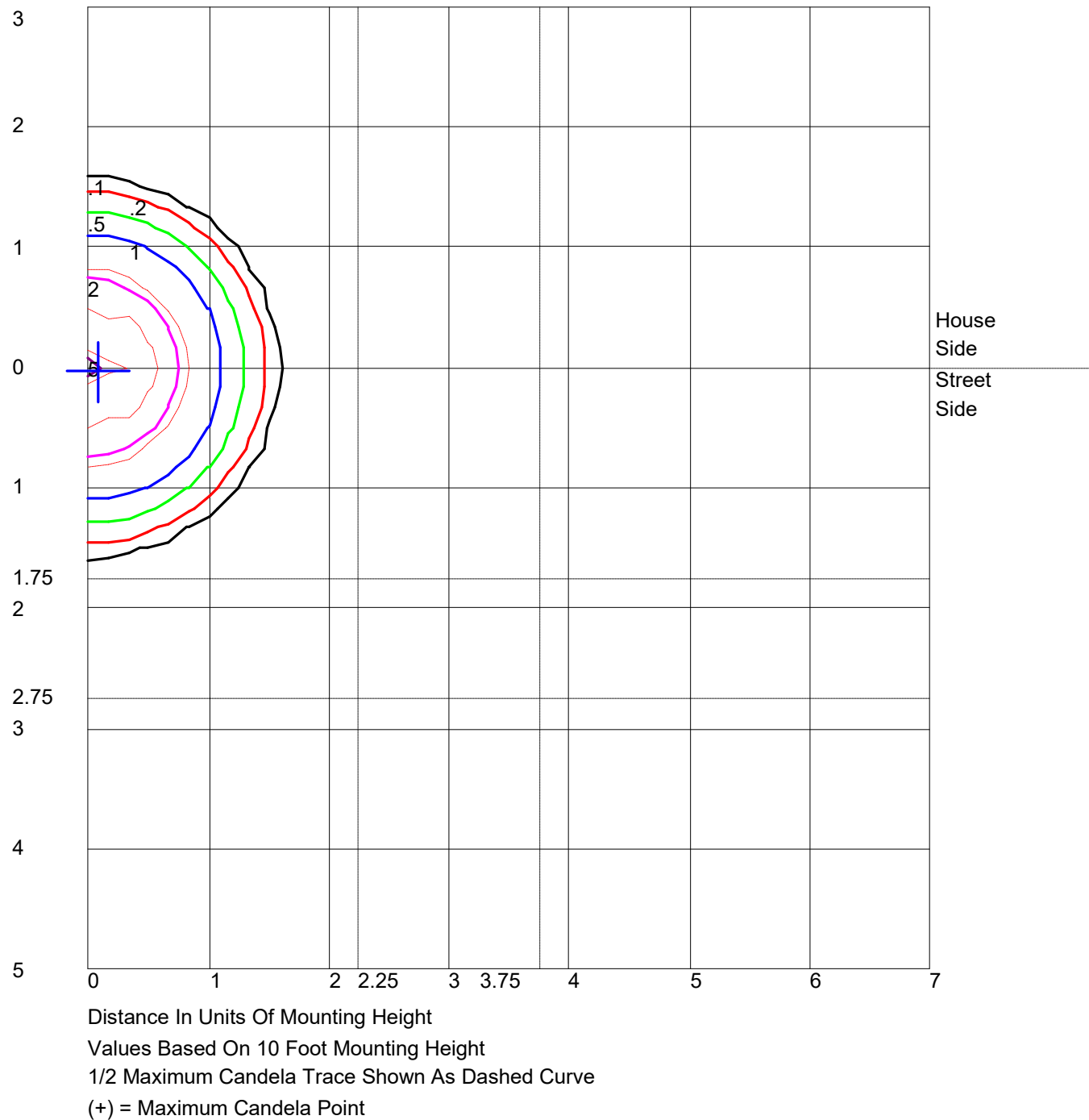
	Lumens	Percent Of Luminaire
Downward Street Side	518.5	47.5
Downward House Side	518.5	47.5
Downward Total	1037.0	95.1
Upward Street Side	26.9	2.5
Upward House Side	26.9	2.5
Upward Total	53.8	4.9
Total Flux	1090.8	100.0

POLAR GRAPH

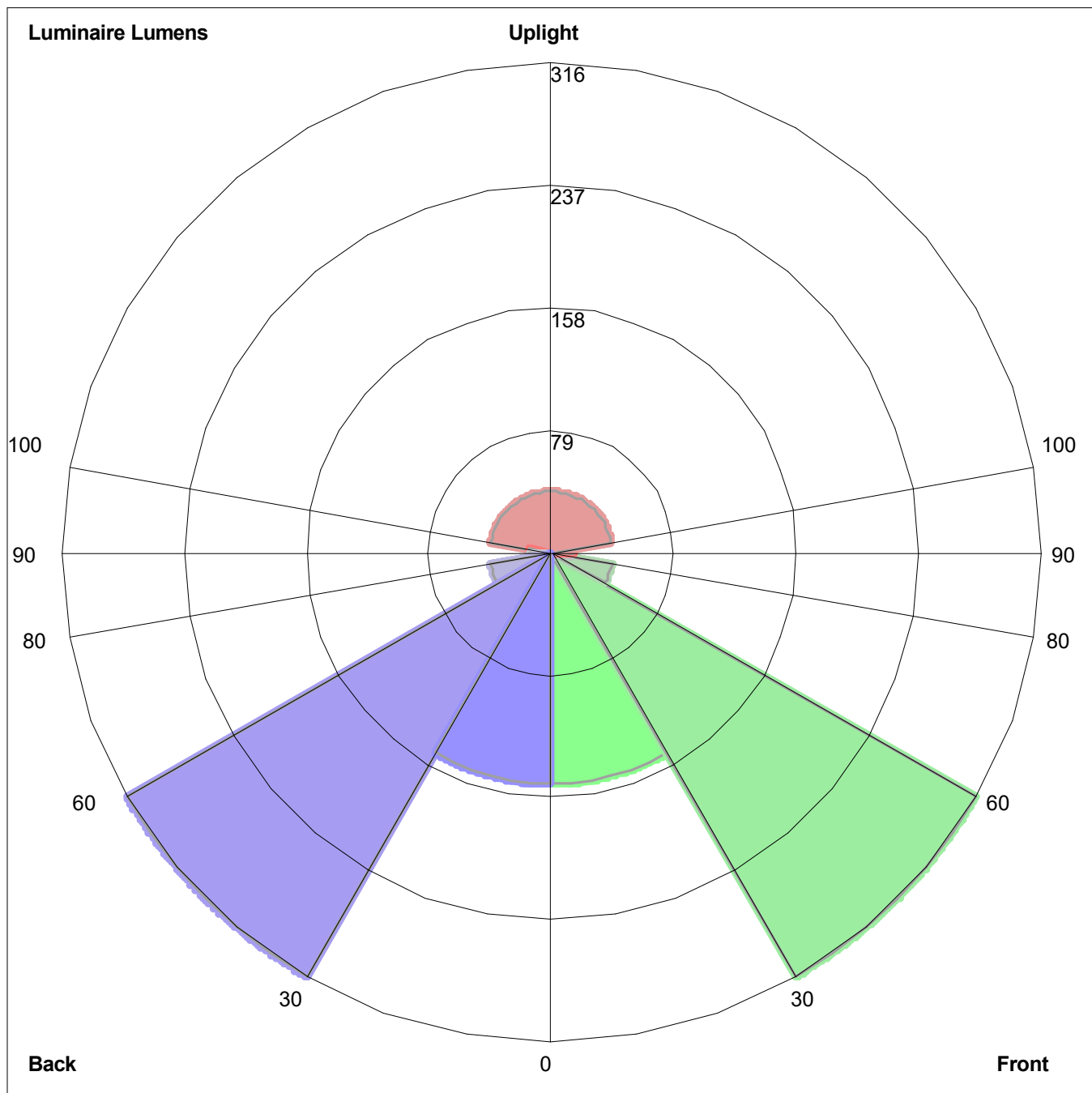


Maximum Candela = 736 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=149.3, Medium=315.9, High=39.6, Very High=13.7  
Back: Low=149.3, Medium=315.9, High=39.6, Very High=13.7  
Uplight: Low=14.6, High=39.3

BUG Rating : B1-U2-G1