



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-12L-35-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-716-12L-35-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	1093
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	737
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	737
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)	149.6	N.A.	13.7
FM - Front-Medium (30-60)	316.6	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.	1.2
BL - Back-Low (0-30)	149.6	N.A.	13.7
BM - Back-Medium (30-60)	316.6	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.	1.2
UL - Uplight-Low (90-100)	14.6	N.A.	1.3
UH - Uplight-High (100-180)	39.3	N.A.	3.6
Total	1092.9	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

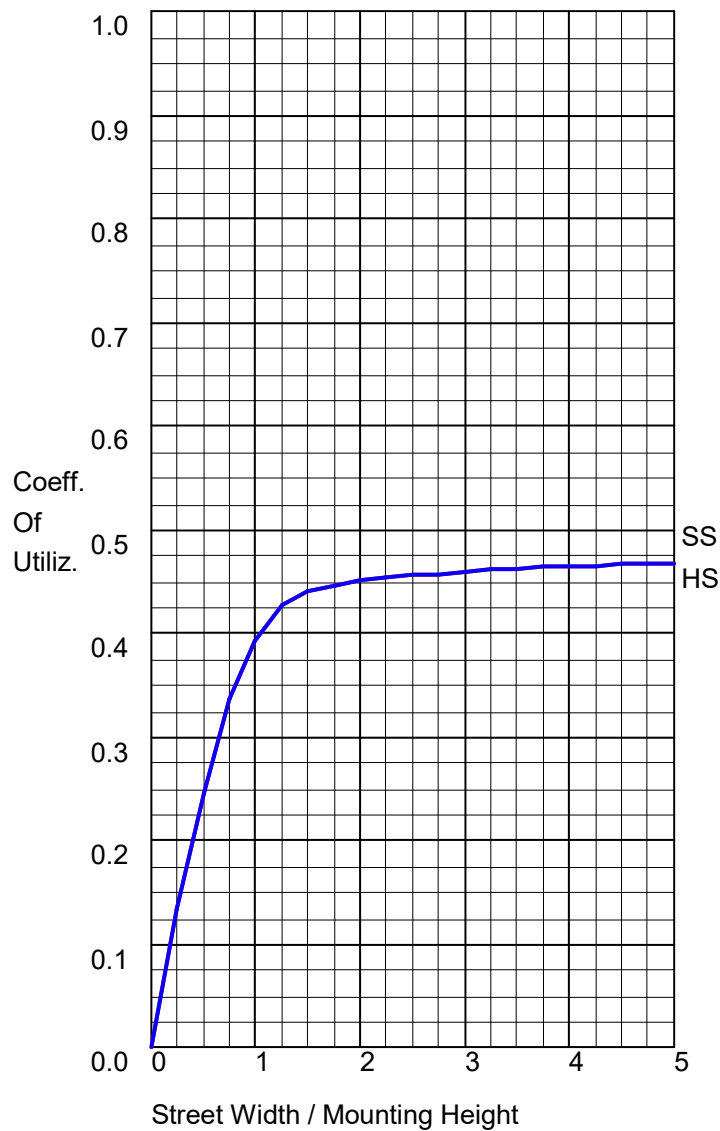
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	663	663	663	663	663
2.5	659	658	652	647	639
5.0	578	608	710	737	691
7.5	408	465	643	713	686
10.0	308	289	400	420	373
12.5	228	212	246	200	224
15.0	193	202	238	165	236
17.5	248	255	323	254	334
20.0	377	356	389	361	399
22.5	393	365	350	350	349
25.0	361	349	338	328	320
27.5	378	375	372	360	361
30.0	388	388	390	385	388
32.5	397	395	401	393	397
35.0	391	390	394	394	394
37.5	372	375	377	382	381
40.0	367	365	364	368	367
42.5	361	358	355	353	355
45.0	358	357	358	353	352
47.5	339	345	351	348	348
50.0	283	293	298	292	291
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

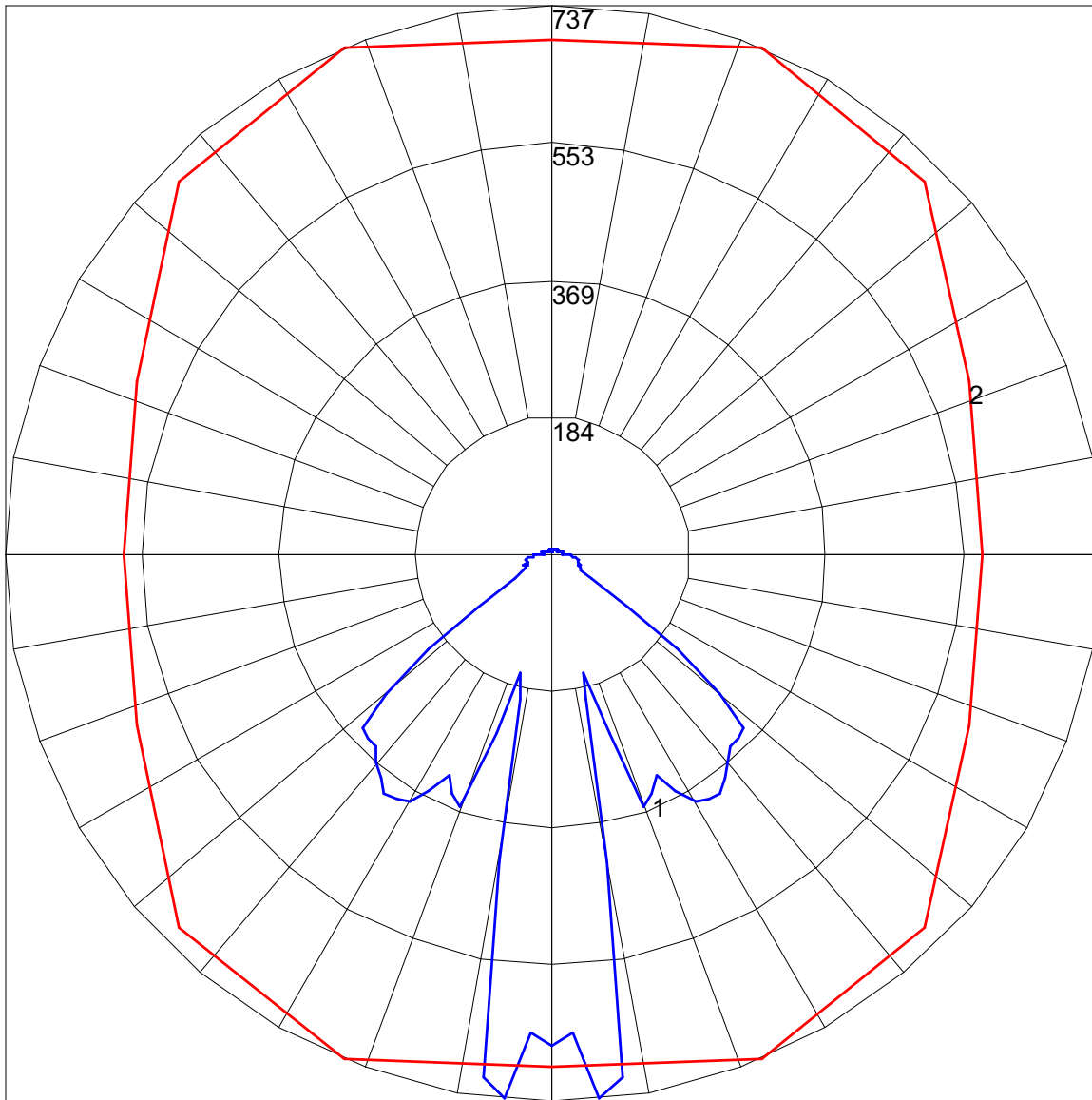
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

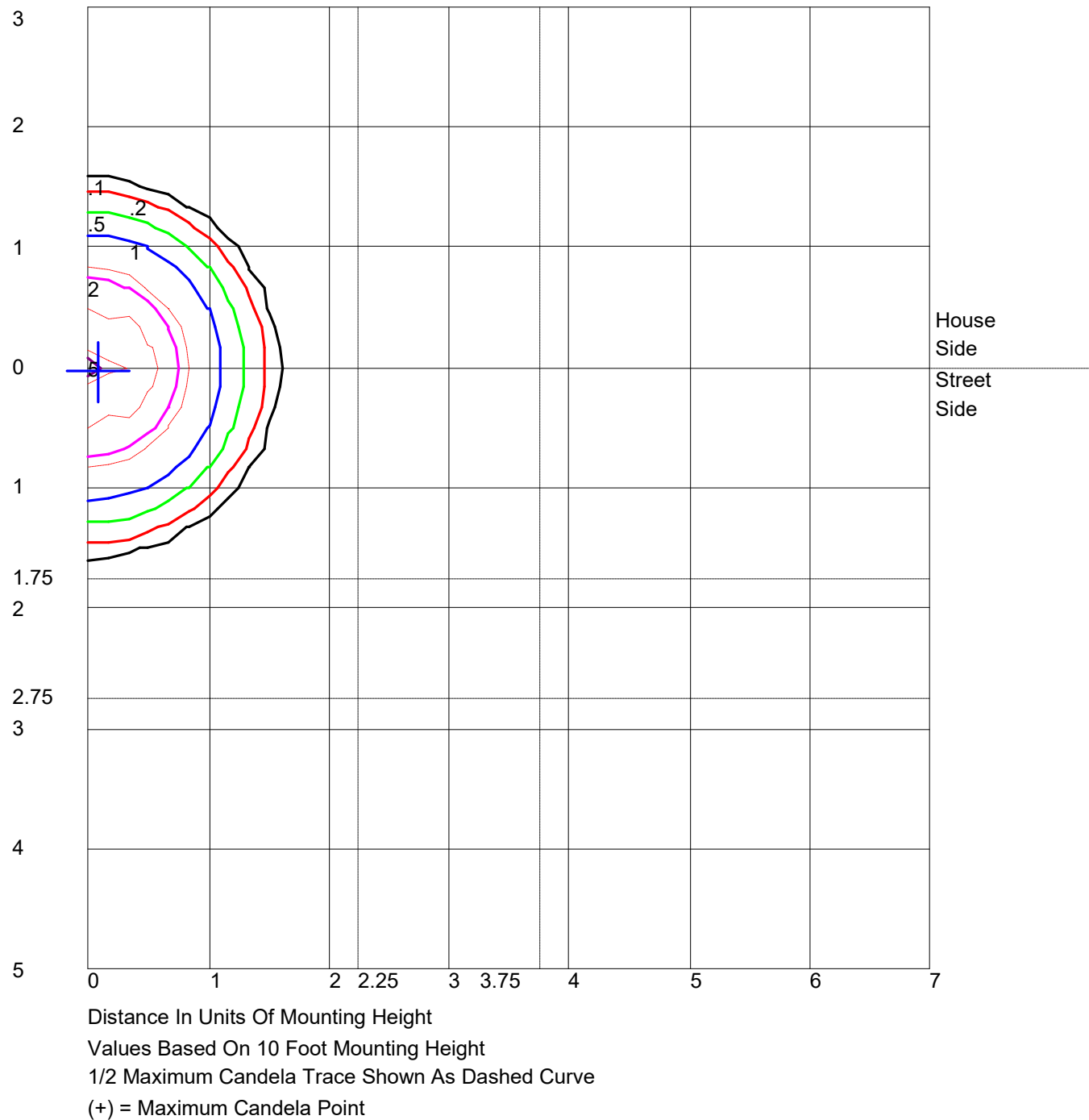
	Lumens	Percent Of Luminaire
Downward Street Side	519.5	47.5
Downward House Side	519.5	47.5
Downward Total	1039.0	95.1
Upward Street Side	26.9	2.5
Upward House Side	26.9	2.5
Upward Total	53.8	4.9
Total Flux	1092.8	100.0

POLAR GRAPH

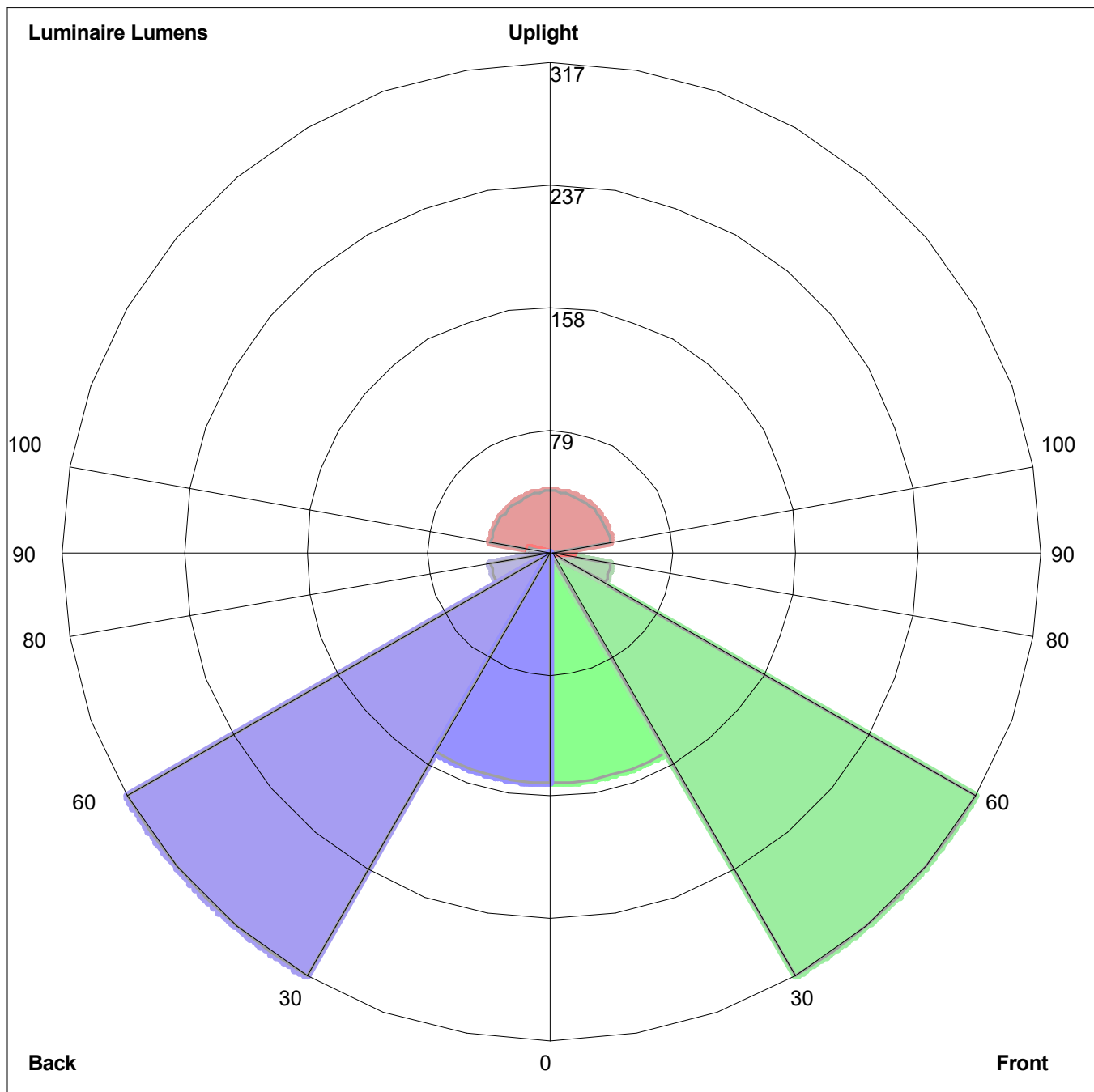


Maximum Candela = 737 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=149.6, Medium=316.6, High=39.6, Very High=13.7  
Back: Low=149.6, Medium=316.6, High=39.6, Very High=13.7  
Uplight: Low=14.6, High=39.3

BUG Rating : B1-U2-G1