



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-12L-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  
[MANUFACTURER] LSI INDUSTRIES, INC.  
[LUMCAT] FAL-716-12L-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	1101
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	744
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	744
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 (3.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	150.9	N.A.	13.7
FM - Front-Medium (30-60)	319.2	N.A.	29.0
FH - Front-High (60-80)	39.7	N.A.	3.6
FVH - Front-Very High (80-90)	13.7	N.A.	1.2
BL - Back-Low (0-30)	150.9	N.A.	13.7
BM - Back-Medium (30-60)	319.2	N.A.	29.0
BH - Back-High (60-80)	39.7	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	1100.9	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

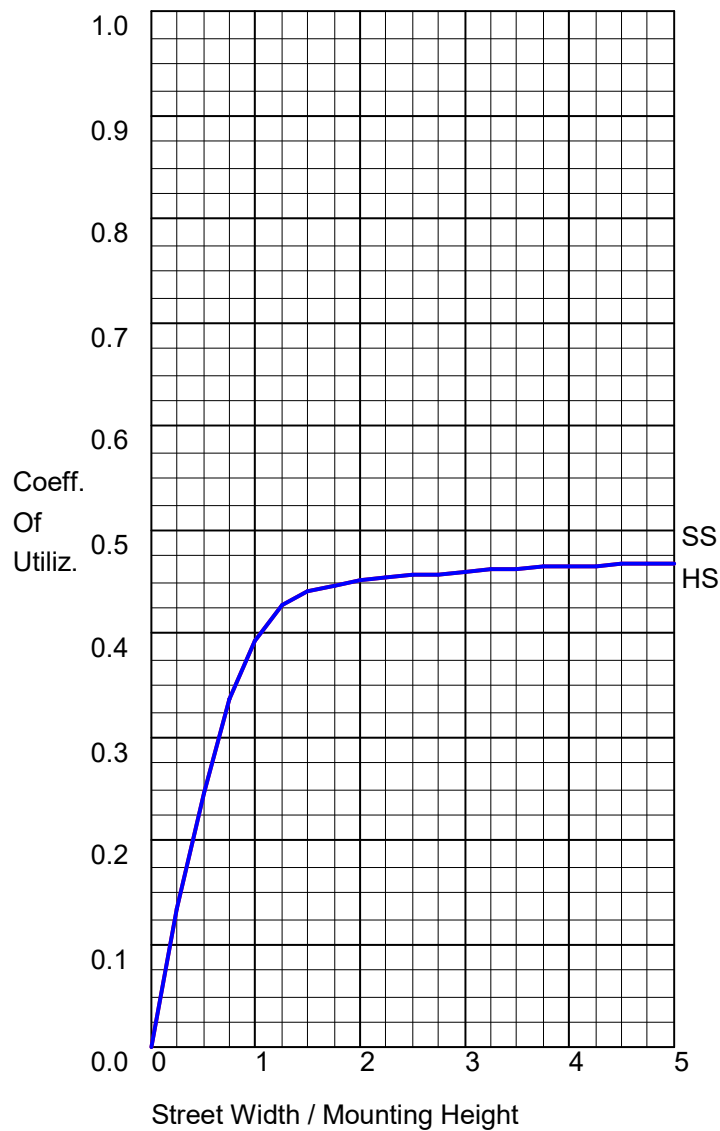
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	669	669	669	669	669
2.5	665	664	658	653	645
5.0	583	614	717	744	698
7.5	411	469	649	720	693
10.0	310	291	403	424	376
12.5	231	214	249	202	226
15.0	195	204	241	167	239
17.5	251	258	326	257	337
20.0	380	359	392	364	402
22.5	396	368	353	353	352
25.0	364	352	341	331	323
27.5	381	378	375	363	364
30.0	391	391	393	388	391
32.5	400	398	404	396	400
35.0	394	393	397	397	397
37.5	375	378	380	385	384
40.0	370	368	367	371	370
42.5	364	361	358	356	358
45.0	361	360	361	356	355
47.5	342	348	354	351	351
50.0	285	295	300	294	293
52.5	196	209	217	213	207
55.0	114	120	128	125	120
57.5	59	61	62	62	61
60.0	45	45	45	45	47
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	47	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

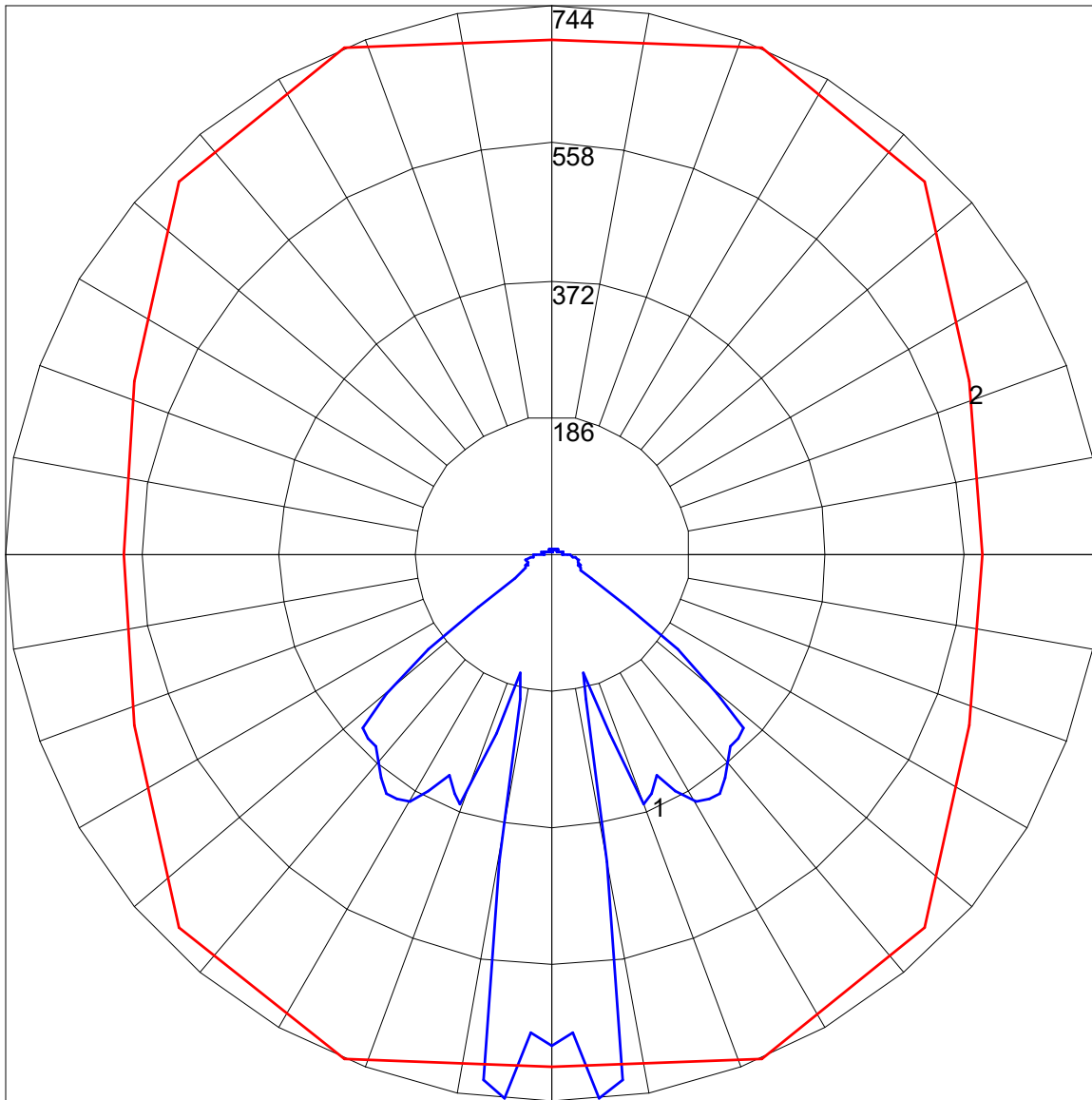
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

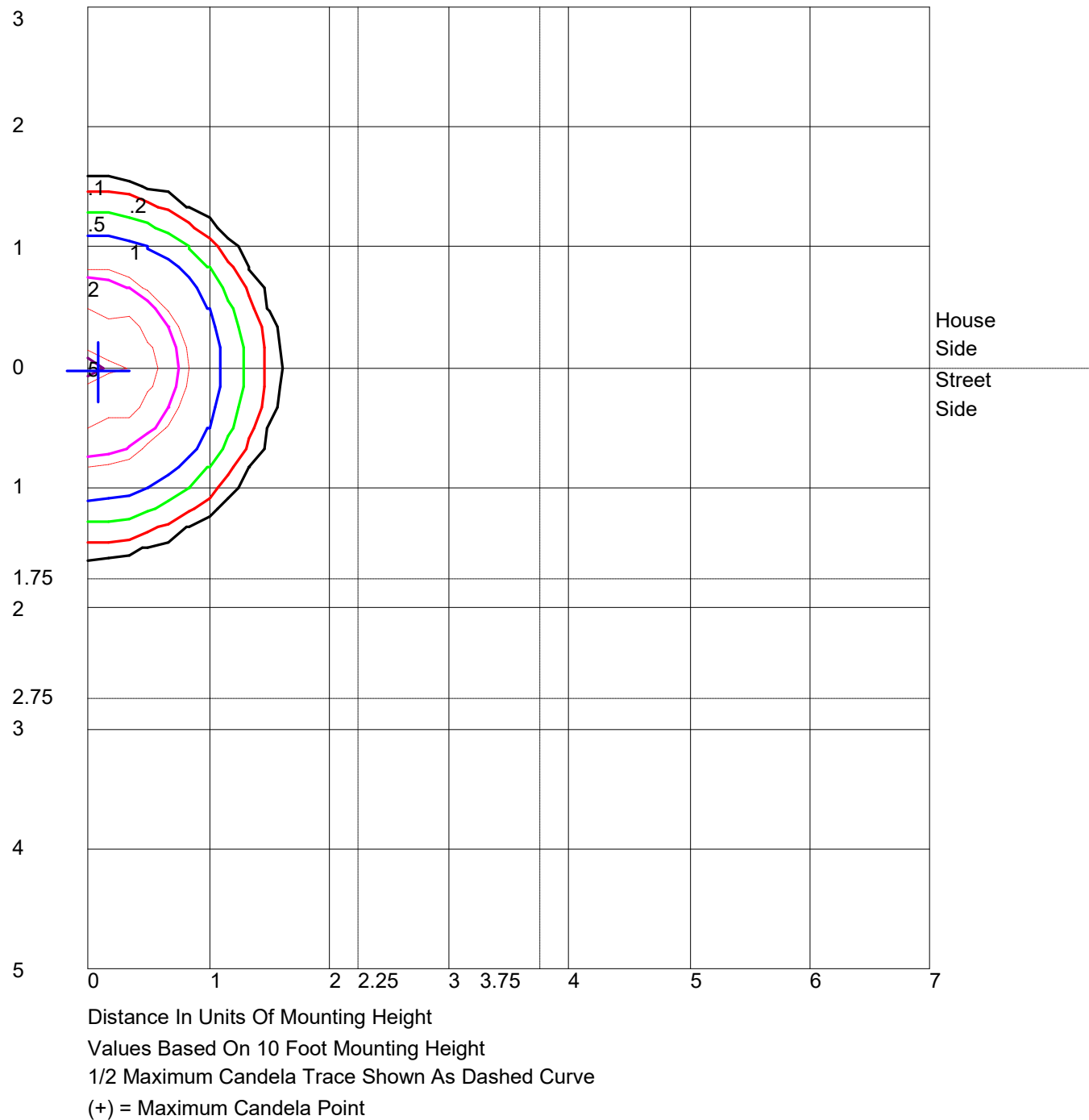
	Lumens	Percent Of Luminaire
Downward Street Side	523.5	47.6
Downward House Side	523.5	47.6
Downward Total	1047.0	95.1
Upward Street Side	26.9	2.4
Upward House Side	26.9	2.4
Upward Total	53.8	4.9
Total Flux	1100.8	100.0

POLAR GRAPH

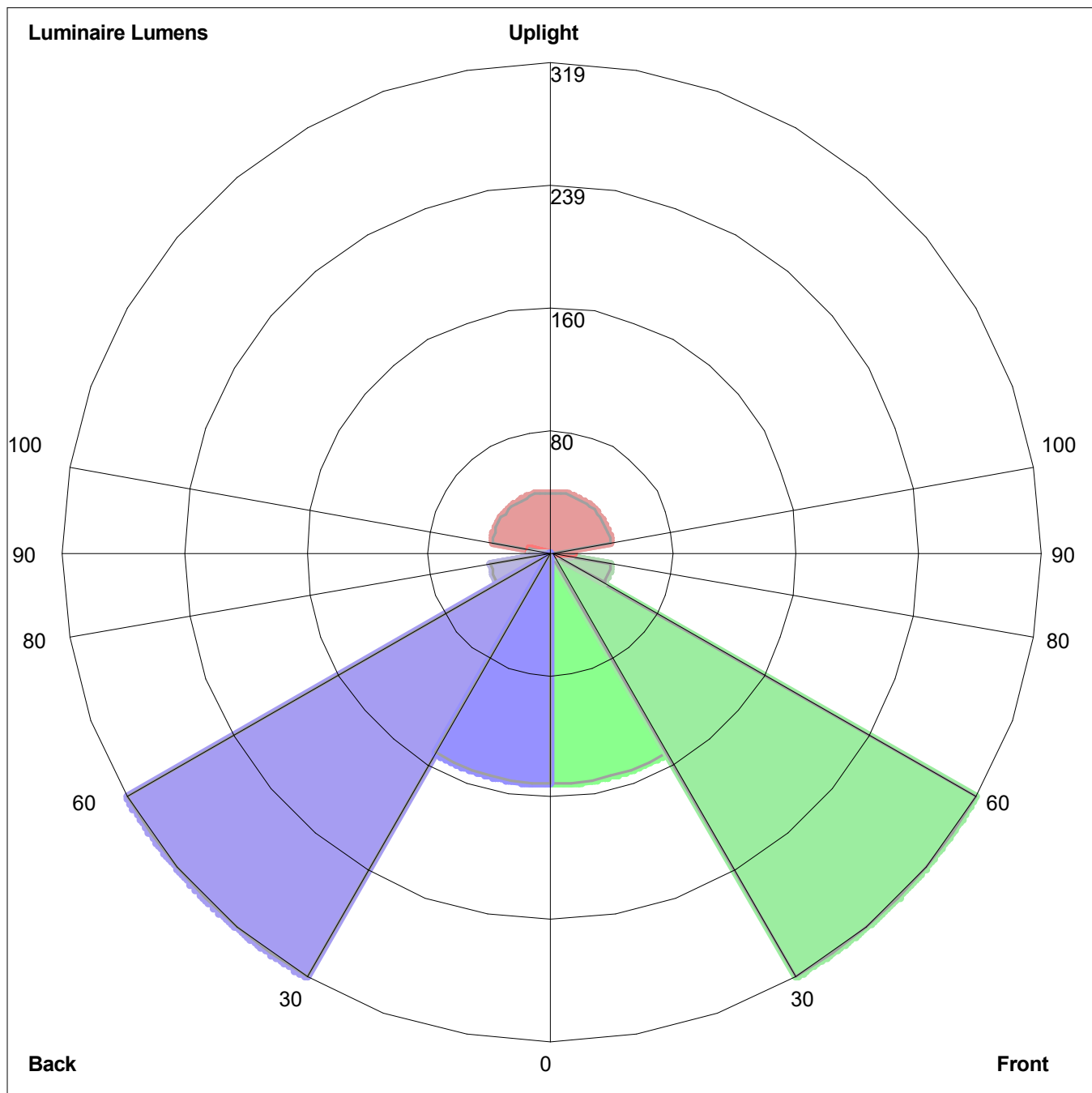


Maximum Candela = 744 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=150.9, Medium=319.2, High=39.7, Very High=13.7  
Back: Low=150.9, Medium=319.2, High=39.7, Very High=13.7  
Uplight: Low=14.6, High=39.3

BUG Rating : B1-U2-G1