



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : FAL-716-12L-30-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-30-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	1228
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	9.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	828
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	828
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	17 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	45 (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)	167.9	N.A.	13.7
FM - Front-Medium (30-60)	355.3	N.A.	28.9
FH - Front-High (60-80)	44.6	N.A.	3.6
FVH - Front-Very High (80-90)	15.4	N.A.	1.3
BL - Back-Low (0-30)	167.9	N.A.	13.7
BM - Back-Medium (30-60)	355.3	N.A.	28.9
BH - Back-High (60-80)	44.6	N.A.	3.6
BVH - Back-Very High (80-90)	15.4	N.A.	1.3
UL - Uplight-Low (90-100)	16.8	N.A.	1.4
UH - Uplight-High (100-180)	44.8	N.A.	3.6
Total	1228.0	N.A.	100.0
BUG Rating	B1-U2-G1		

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**CANDELA TABULATION**

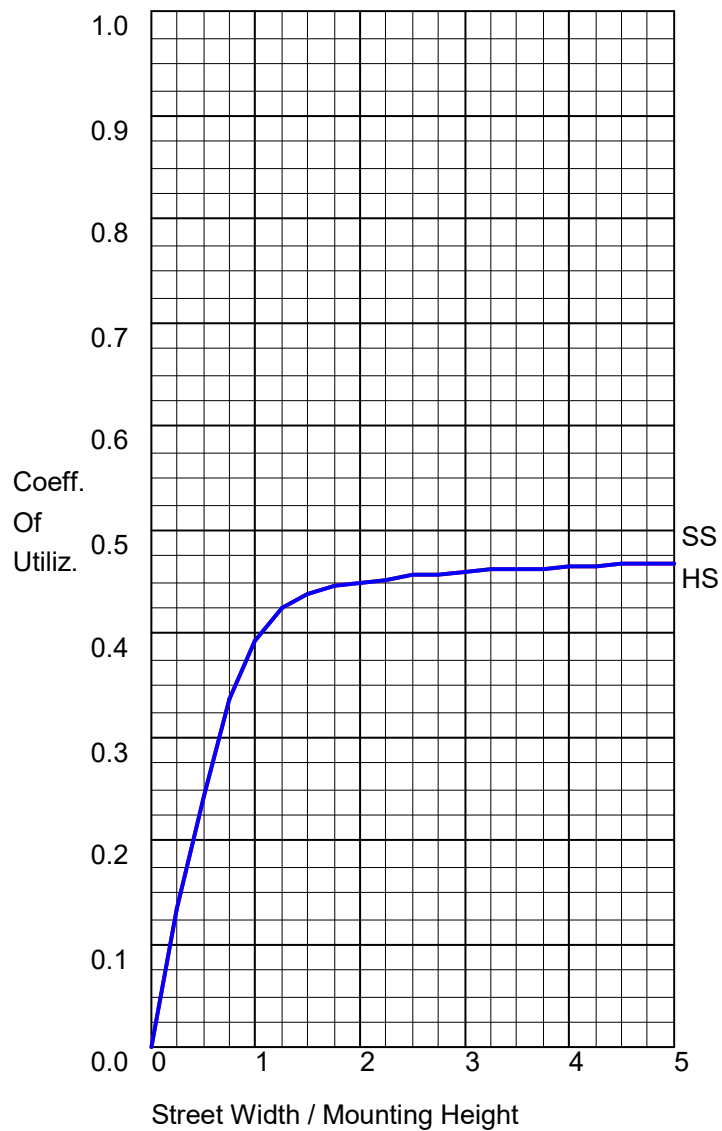
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	745	745	745	745	745
2.5	740	739	732	727	718
5.0	649	683	797	828	776
7.5	458	522	722	801	770
10.0	345	324	449	471	418
12.5	256	238	277	225	252
15.0	217	227	268	186	265
17.5	279	287	362	286	375
20.0	423	399	436	405	448
22.5	441	409	393	393	391
25.0	405	391	379	368	359
27.5	424	421	417	404	405
30.0	435	435	437	432	435
32.5	445	443	450	441	445
35.0	439	437	442	442	442
37.5	417	421	423	428	427
40.0	412	409	408	413	412
42.5	405	402	398	396	398
45.0	402	400	402	396	395
47.5	380	387	394	390	390
50.0	317	328	334	327	326
52.5	218	233	242	237	231
55.0	127	134	143	139	134
57.5	65	67	69	69	67
60.0	51	51	51	51	52
62.5	46	46	47	47	47
65.0	44	44	44	44	45
67.5	47	46	43	42	43
70.0	42	49	52	46	39
72.5	35	46	43	40	34
75.0	39	45	42	42	34
77.5	35	44	45	40	31
80.0	34	45	39	36	28
82.5	31	39	34	30	26
85.0	28	33	27	28	24
87.5	26	27	24	25	21
90.0	17	16	15	15	15
92.5	15	16	15	15	15
95.0	16	16	16	16	16
97.5	15	15	15	15	15
100.0	15	15	15	15	15
102.5	13	15	15	15	13
105.0	11	12	12	12	11
107.5	10	11	11	11	10
110.0	8	9	9	9	9
112.5	8	8	8	8	8
115.0	8	8	8	8	8
117.5	8	8	8	8	8
120.0	8	8	8	8	8
122.5	8	8	8	8	8
125.0	8	8	8	8	8
127.5	8	8	8	8	8
130.0	8	8	8	8	8

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	8	8	8	8	8
<b>135.0</b>	8	8	8	8	8
<b>137.5</b>	8	8	8	8	8
<b>140.0</b>	8	8	8	8	8
<b>142.5</b>	8	8	8	8	8
<b>145.0</b>	8	8	8	8	8
<b>147.5</b>	7	8	8	8	8
<b>150.0</b>	7	7	8	7	7
<b>152.5</b>	7	7	7	7	7
<b>155.0</b>	7	7	7	7	7
<b>157.5</b>	7	7	7	7	7
<b>160.0</b>	7	7	7	7	7
<b>162.5</b>	6	6	6	6	6
<b>165.0</b>	6	6	6	6	6
<b>167.5</b>	6	6	6	6	6
<b>170.0</b>	6	6	6	6	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

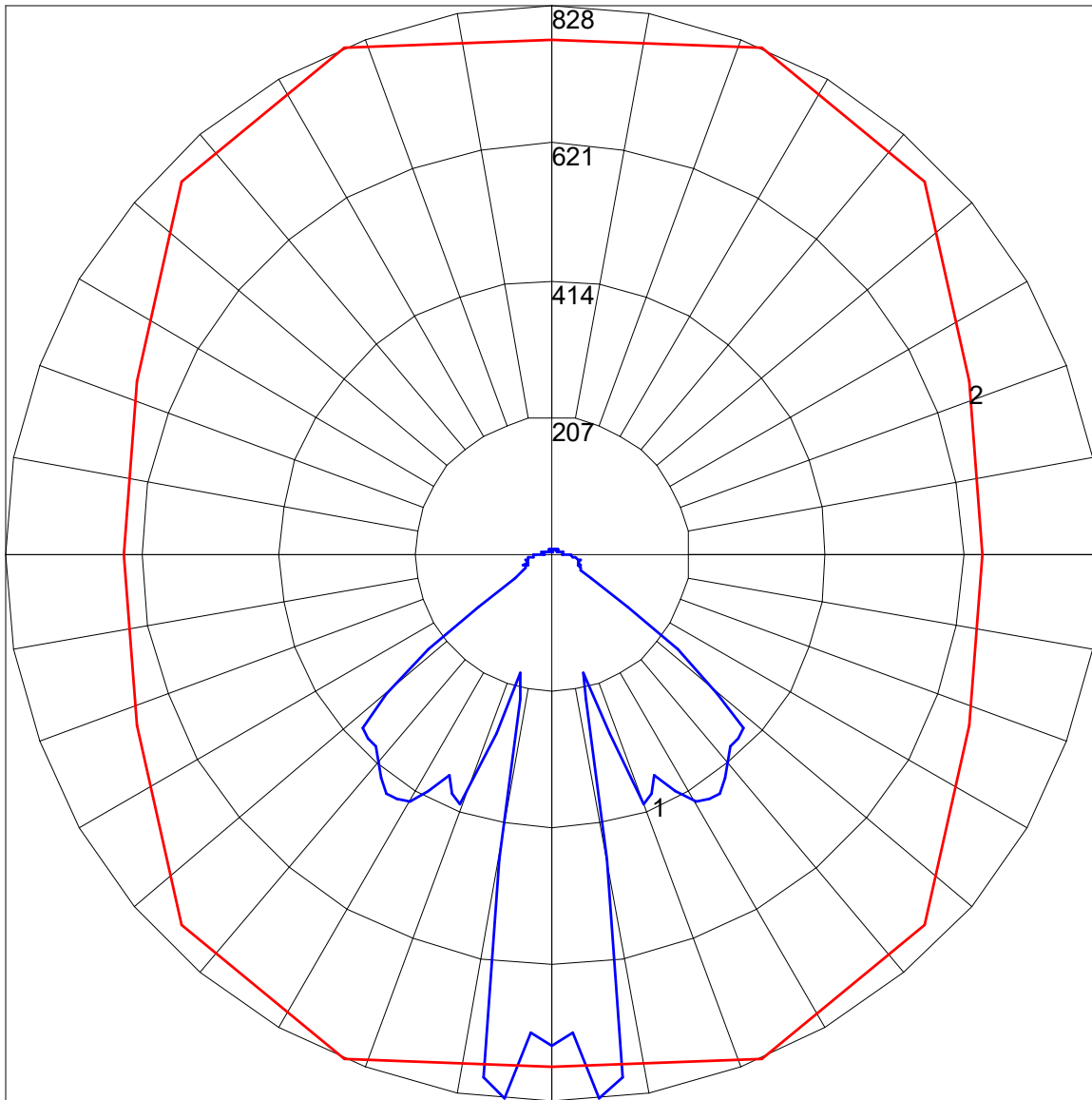
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

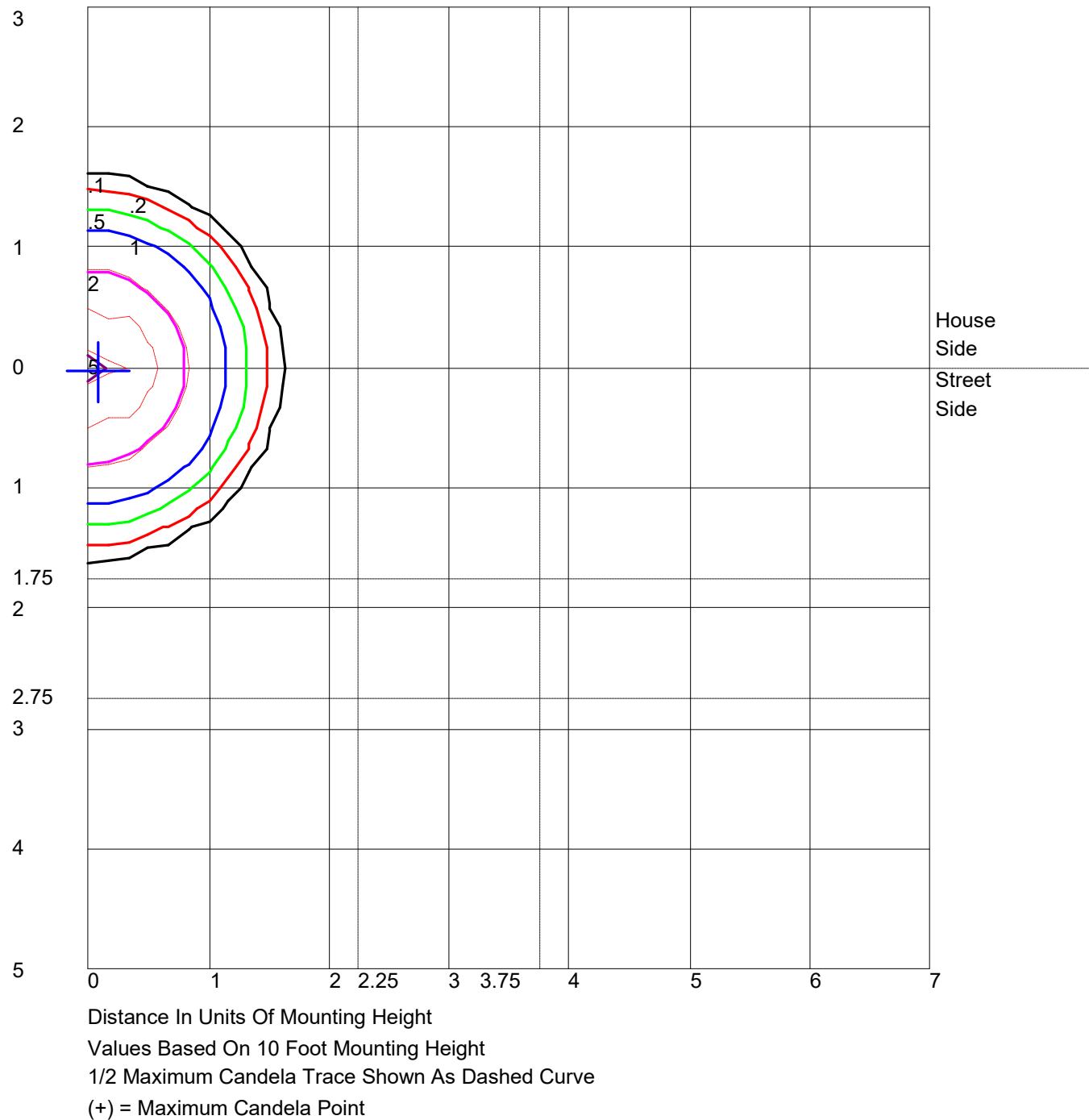
	Lumens	Percent Of Luminaire
Downward Street Side	583.2	47.5
Downward House Side	583.2	47.5
Downward Total	1166.4	95.0
Upward Street Side	30.8	2.5
Upward House Side	30.8	2.5
Upward Total	61.6	5.0
Total Flux	1228.0	100.0

POLAR GRAPH

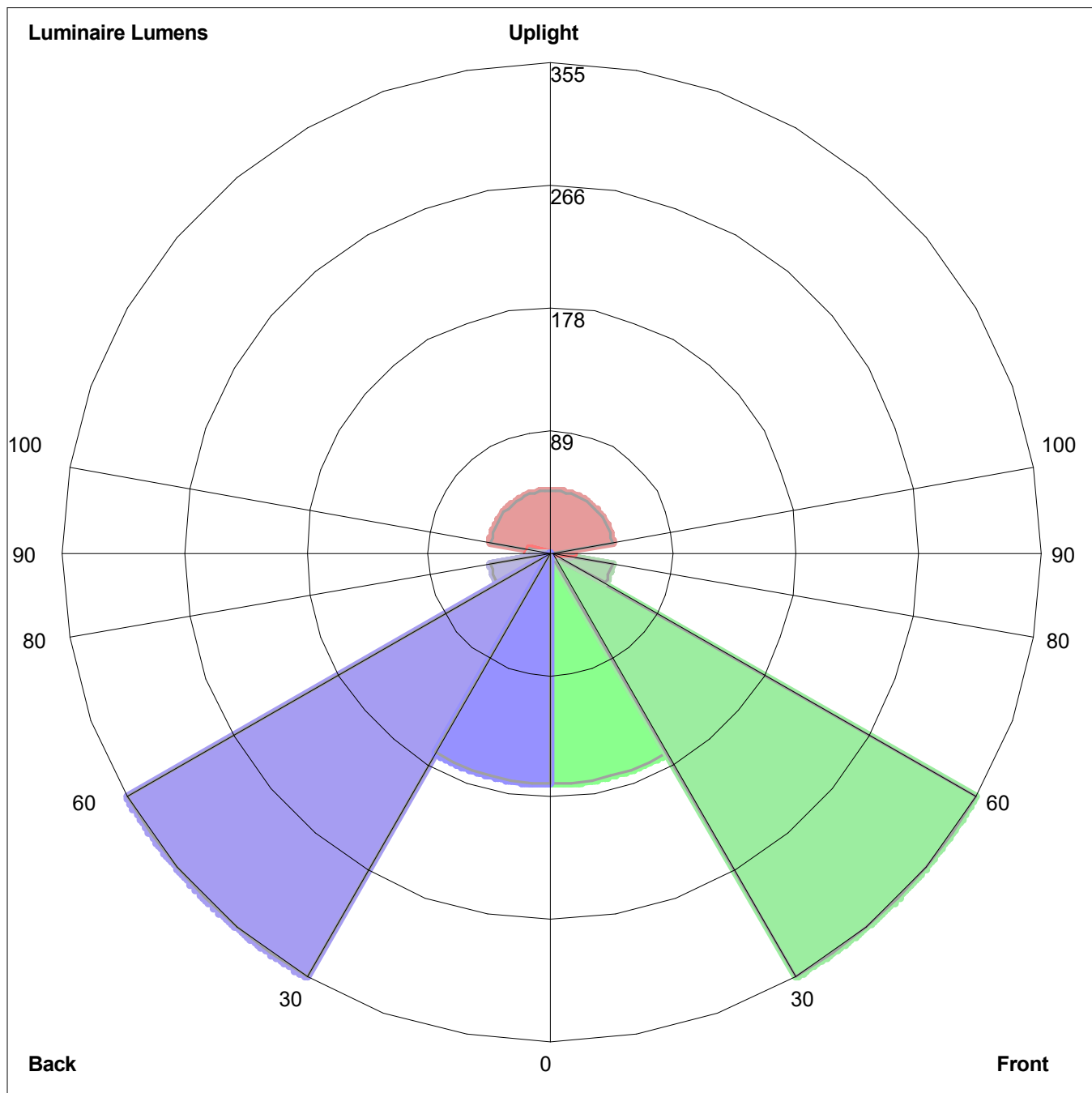


Maximum Candela = 828 Located At Horizontal Angle = 67.5, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=167.9, Medium=355.3, High=44.6, Very High=15.4  
Back: Low=167.9, Medium=355.3, High=44.6, Very High=15.4  
Uplight: Low=16.8, High=44.8

BUG Rating : B1-U2-G1