



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-15L-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-716-15L-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	1333
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.05
Maximum Candela	899
Maximum Candela Angle	67.5H 5V
Maximum Candela (<90 Degrees Vertical)	899
Maximum Candela Angle (<90 Degrees Vertical)	67.5H 5V
Maximum Candela At 90 Degrees Vertical	18 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	49 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-15L-27-PGG6-GWT.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	182.2	N.A.	13.7
FM - Front-Medium (30-60)	385.6	N.A.	28.9
FH - Front-High (60-80)	48.4	N.A.	3.6
FVH - Front-Very High (80-90)	16.7	N.A.	1.3
BL - Back-Low (0-30)	182.2	N.A.	13.7
BM - Back-Medium (30-60)	385.6	N.A.	28.9
BH - Back-High (60-80)	48.4	N.A.	3.6
BVH - Back-Very High (80-90)	16.7	N.A.	1.3
UL - Uplight-Low (90-100)	17.9	N.A.	1.3
UH - Uplight-High (100-180)	49.2	N.A.	3.7
Total	1332.9	N.A.	100.0
BUG Rating	B1-U2-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-15L-27-PGG6-GWT.IES

CANDELA TABULATION

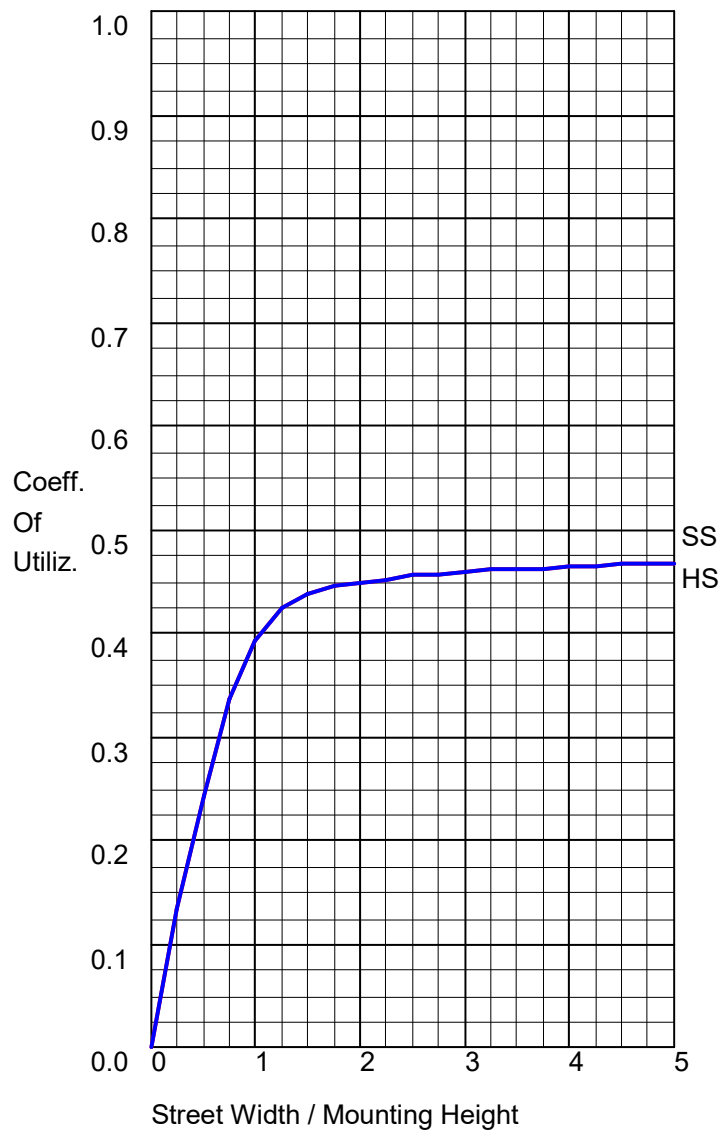
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	808	808	808	808	808
2.5	803	802	795	789	779
5.0	704	741	866	899	842
7.5	497	566	784	869	836
10.0	375	352	487	512	454
12.5	278	259	300	244	273
15.0	236	247	291	201	288
17.5	303	311	393	310	407
20.0	459	433	474	440	486
22.5	479	444	426	426	425
25.0	440	425	411	399	389
27.5	460	457	453	438	440
30.0	472	472	475	469	472
32.5	483	481	488	479	483
35.0	476	475	480	480	480
37.5	453	457	459	465	464
40.0	447	444	443	448	447
42.5	440	436	432	430	432
45.0	436	435	436	430	429
47.5	413	420	427	424	424
50.0	344	357	363	355	354
52.5	237	253	262	258	250
55.0	138	145	155	151	145
57.5	71	73	74	74	73
60.0	55	55	55	55	56
62.5	50	50	51	51	51
65.0	48	48	48	48	49
67.5	51	50	46	45	46
70.0	45	54	56	50	43
72.5	38	50	46	44	37
75.0	43	49	45	45	37
77.5	38	48	49	44	34
80.0	37	49	43	39	31
82.5	34	43	37	33	28
85.0	31	35	29	31	26
87.5	28	29	26	27	23
90.0	18	17	16	16	16
92.5	16	17	16	16	16
95.0	17	17	17	17	17
97.5	16	16	16	16	16
100.0	16	16	16	16	16
102.5	15	16	16	16	15
105.0	12	13	13	13	12
107.5	11	12	12	12	11
110.0	9	10	10	10	10
112.5	9	9	9	9	9
115.0	9	9	9	9	9
117.5	9	9	9	9	9
120.0	9	9	9	9	9
122.5	9	9	9	9	9
125.0	9	9	9	9	9
127.5	9	9	9	9	9
130.0	9	9	9	9	9

IES ROAD REPORT
PHOTOMETRIC FILENAME : FAL-716-15L-27-PGG6-GWT.IES

CANDELA TABULATION - (Cont.)

132.5	9	9	9	9	9
135.0	9	9	9	9	9
137.5	9	9	9	9	9
140.0	9	9	9	9	9
142.5	9	9	9	9	9
145.0	9	9	9	9	9
147.5	7	9	9	9	9
150.0	7	7	9	7	7
152.5	7	7	7	7	7
155.0	7	7	7	7	7
157.5	7	7	7	7	7
160.0	7	7	7	7	7
162.5	6	6	6	6	6
165.0	6	6	6	6	6
167.5	6	6	6	6	6
170.0	6	6	6	6	5
172.5	5	5	5	5	5
175.0	5	5	5	5	5
177.5	4	4	4	5	5
180.0	4	4	4	4	4

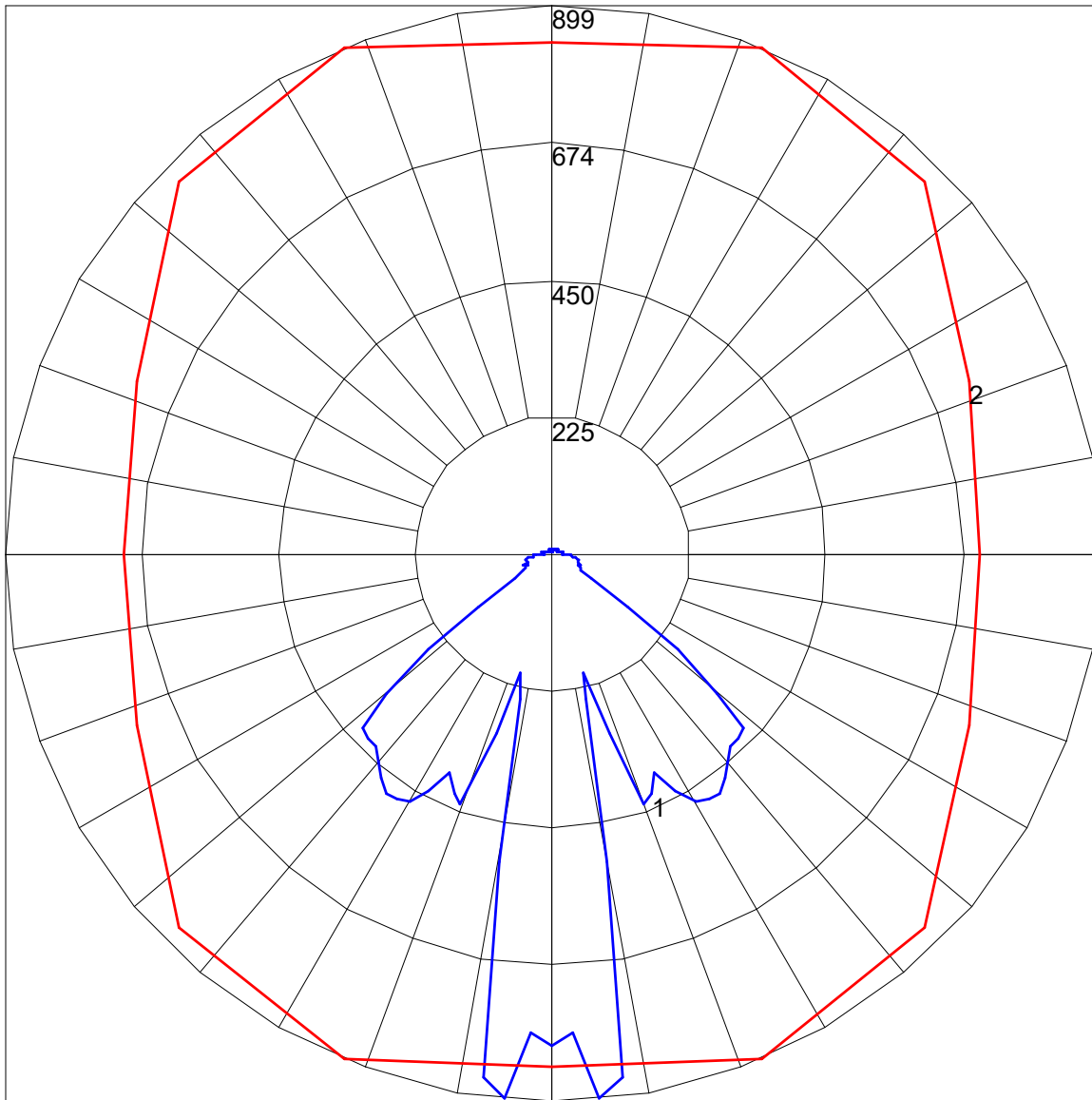
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

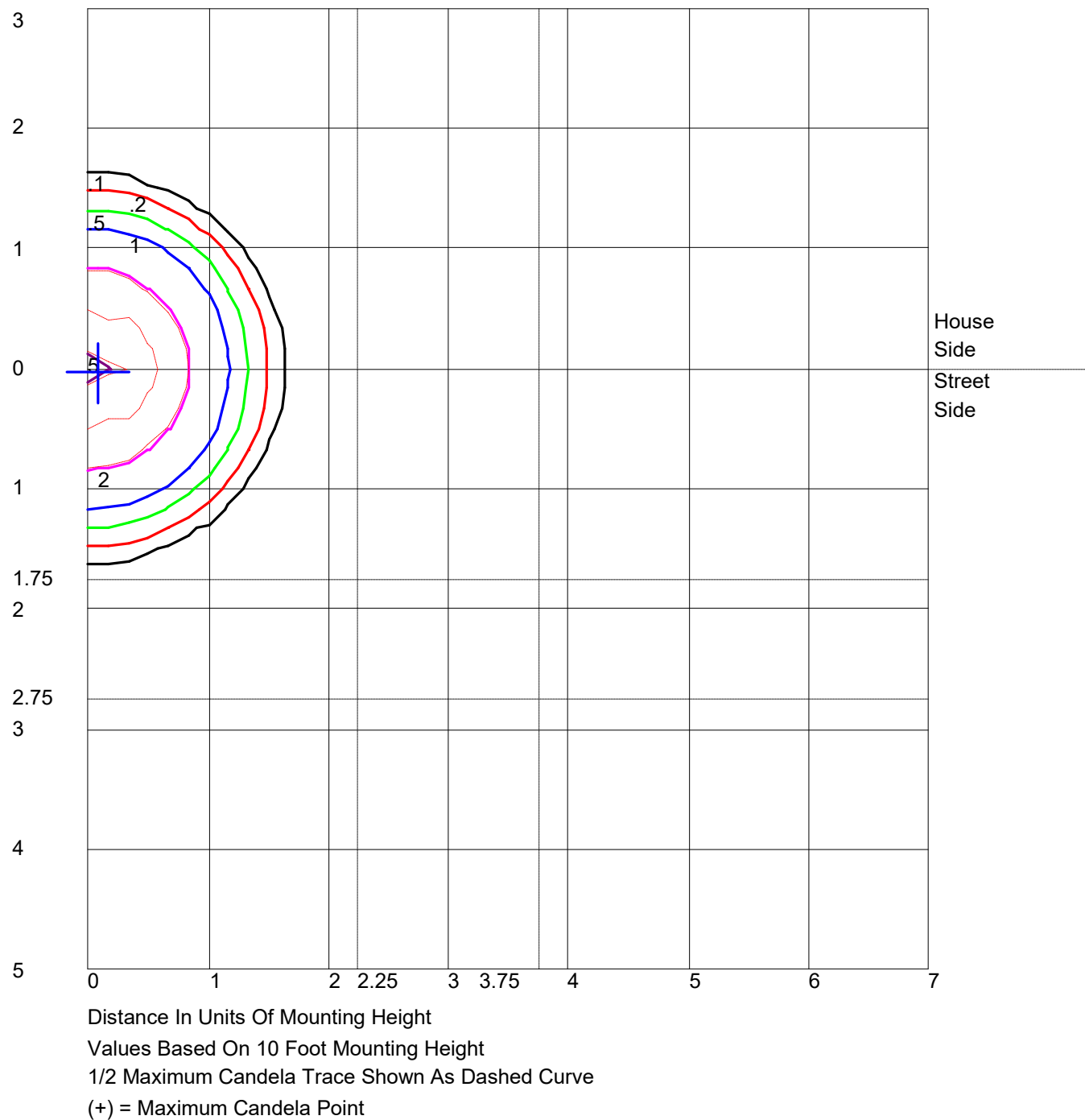
	Lumens	Percent Of Luminaire
Downward Street Side	633.0	47.5
Downward House Side	633.0	47.5
Downward Total	1266.0	95.0
Upward Street Side	33.5	2.5
Upward House Side	33.5	2.5
Upward Total	67.0	5.0
Total Flux	1333.0	100.0

POLAR GRAPH

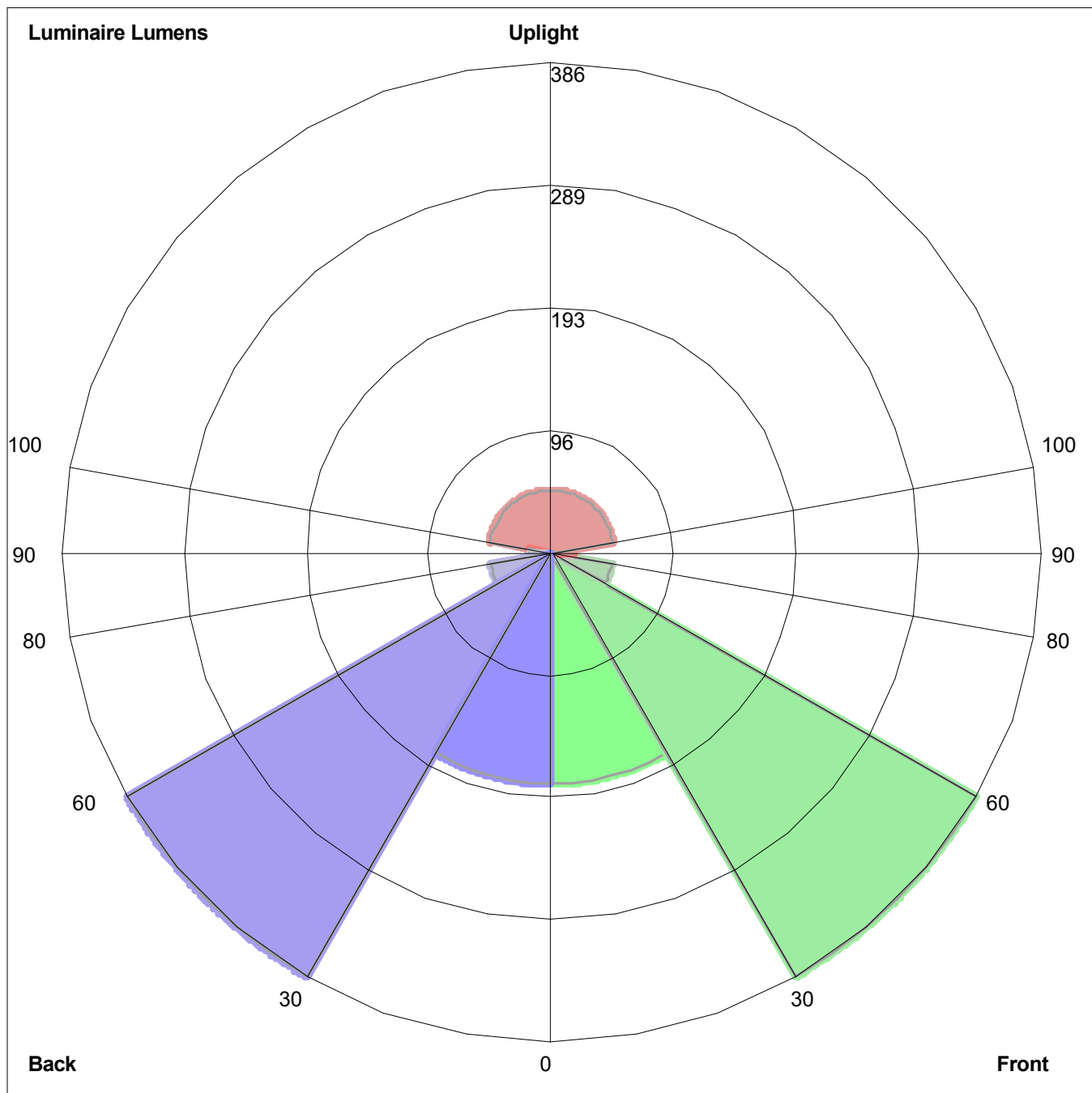


Maximum Candela = 899 Located At Horizontal Angle = 67.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=182.2, Medium=385.6, High=48.4, Very High=16.7
Back: Low=182.2, Medium=385.6, High=48.4, Very High=16.7
Uplight: Low=17.9, High=49.2

BUG Rating : B1-U2-G1