



IES ROAD REPORT

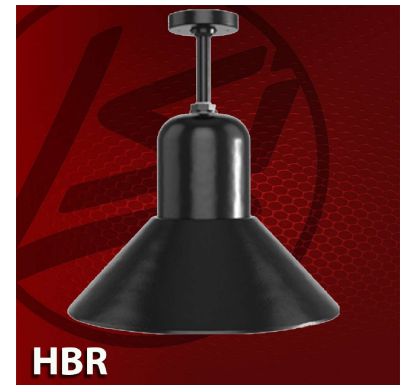
PHOTOMETRIC FILENAME : HBR-15L-50-GWT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11927
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 4/19/2021
[TEST DATE] 06/16/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] HBR-15L-50-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
[SEARCH_COLORTEMP] 5000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1382
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	10.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	579
Maximum Candela Angle	90H 2.5V
Maximum Candela (<90 Degrees Vertical)	579
Maximum Candela Angle (<90 Degrees Vertical)	90H 2.5V
Maximum Candela At 90 Degrees Vertical	1 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	12 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	237.8	N.A.	17.2
FM - Front-Medium (30-60)	412.6	N.A.	29.9
FH - Front-High (60-80)	36.7	N.A.	2.7
FVH - Front-Very High (80-90)	3.8	N.A.	0.3
BL - Back-Low (0-30)	237.8	N.A.	17.2
BM - Back-Medium (30-60)	412.6	N.A.	29.9
BH - Back-High (60-80)	36.7	N.A.	2.7
BVH - Back-Very High (80-90)	3.8	N.A.	0.3
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	1381.9	N.A.	100.0
BUG Rating	B1-U1-G0		

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CANDELA TABULATION

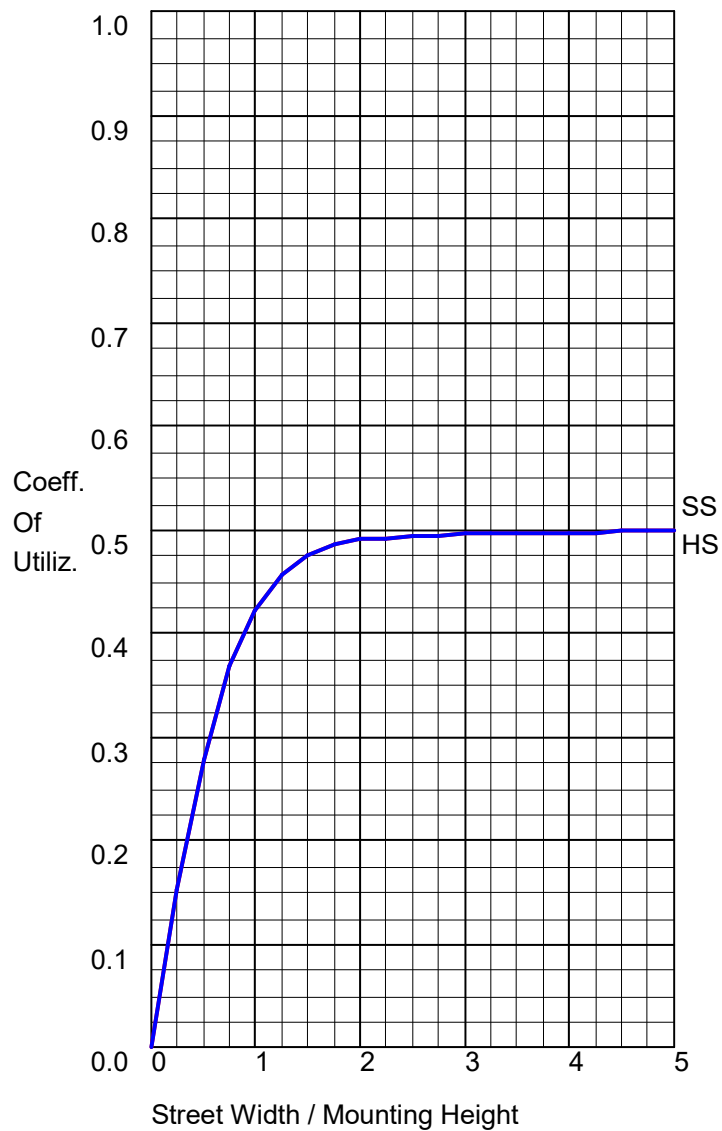
Vert. Angles	Horizontal Angles				
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	577	577	577	577	577
2.5	579	577	579	577	579
5.0	577	577	577	577	577
7.5	577	579	577	577	577
10.0	577	577	577	577	577
12.5	576	576	575	575	575
15.0	575	575	574	574	574
17.5	573	573	571	571	571
20.0	570	569	569	568	568
22.5	568	567	565	564	564
25.0	565	564	563	562	563
27.5	558	558	554	553	553
30.0	532	532	530	529	530
32.5	494	494	494	494	495
35.0	470	470	469	469	470
37.5	449	449	447	446	447
40.0	429	428	425	424	426
42.5	406	406	402	400	401
45.0	383	383	379	376	377
47.5	360	360	355	350	354
50.0	336	336	331	326	330
52.5	312	312	306	301	306
55.0	286	285	279	275	280
57.5	243	244	238	236	240
60.0	137	139	141	140	144
62.5	59	59	60	60	62
65.0	42	42	42	42	43
67.5	30	30	30	30	30
70.0	27	27	27	27	27
72.5	23	23	23	23	23
75.0	19	21	19	19	19
77.5	16	16	16	16	16
80.0	12	12	12	12	12
82.5	10	10	10	10	10
85.0	7	7	7	7	7
87.5	5	5	5	4	4
90.0	0	1	1	1	1
92.5	0	0	0	0	0
95.0	0	0	0	0	0
97.5	0	0	0	0	0
100.0	0	0	0	0	0
102.5	0	0	0	0	0
105.0	0	0	0	0	0
107.5	0	0	0	0	0
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

132.5	0	0	0	0	0
135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

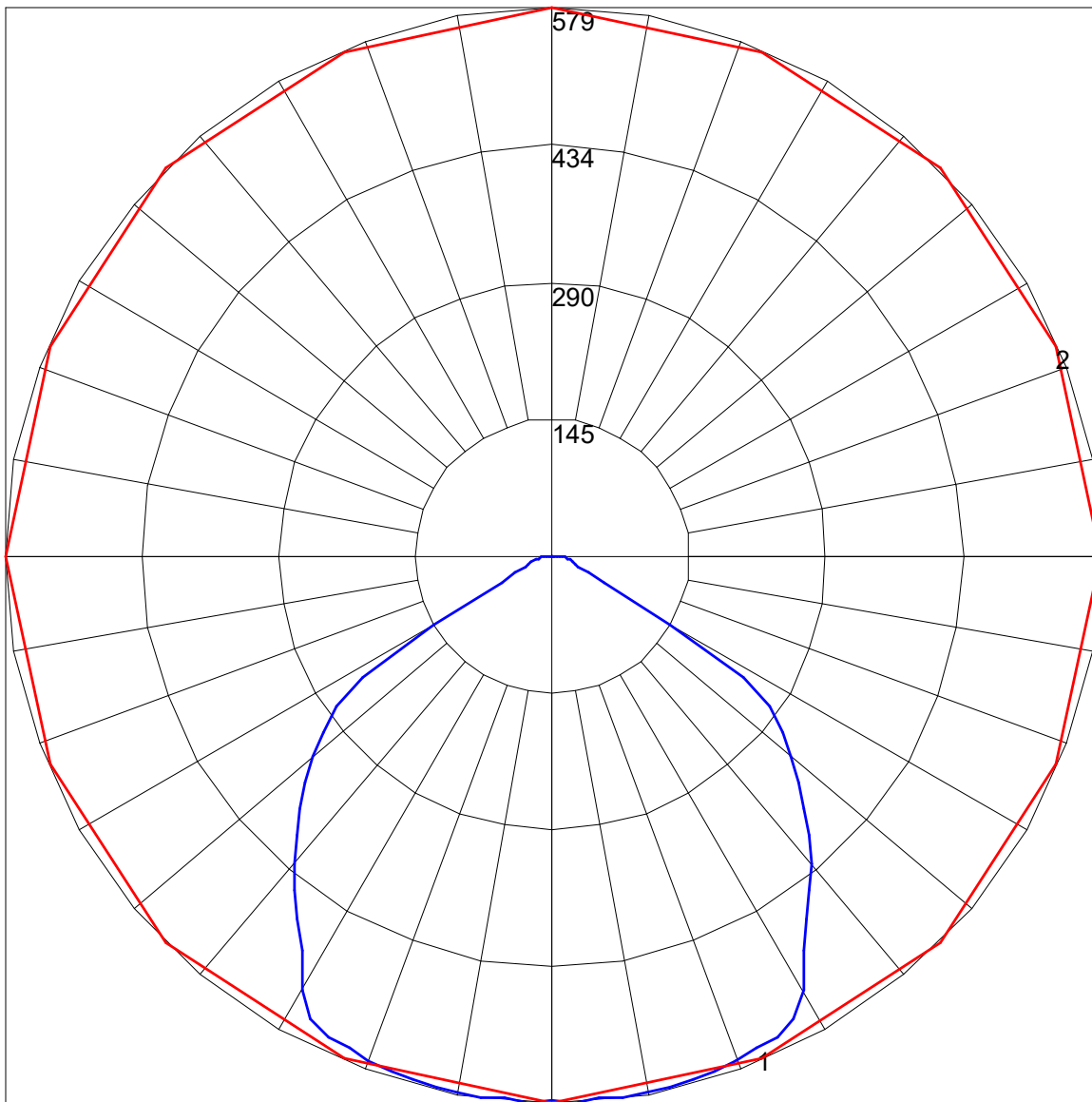
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

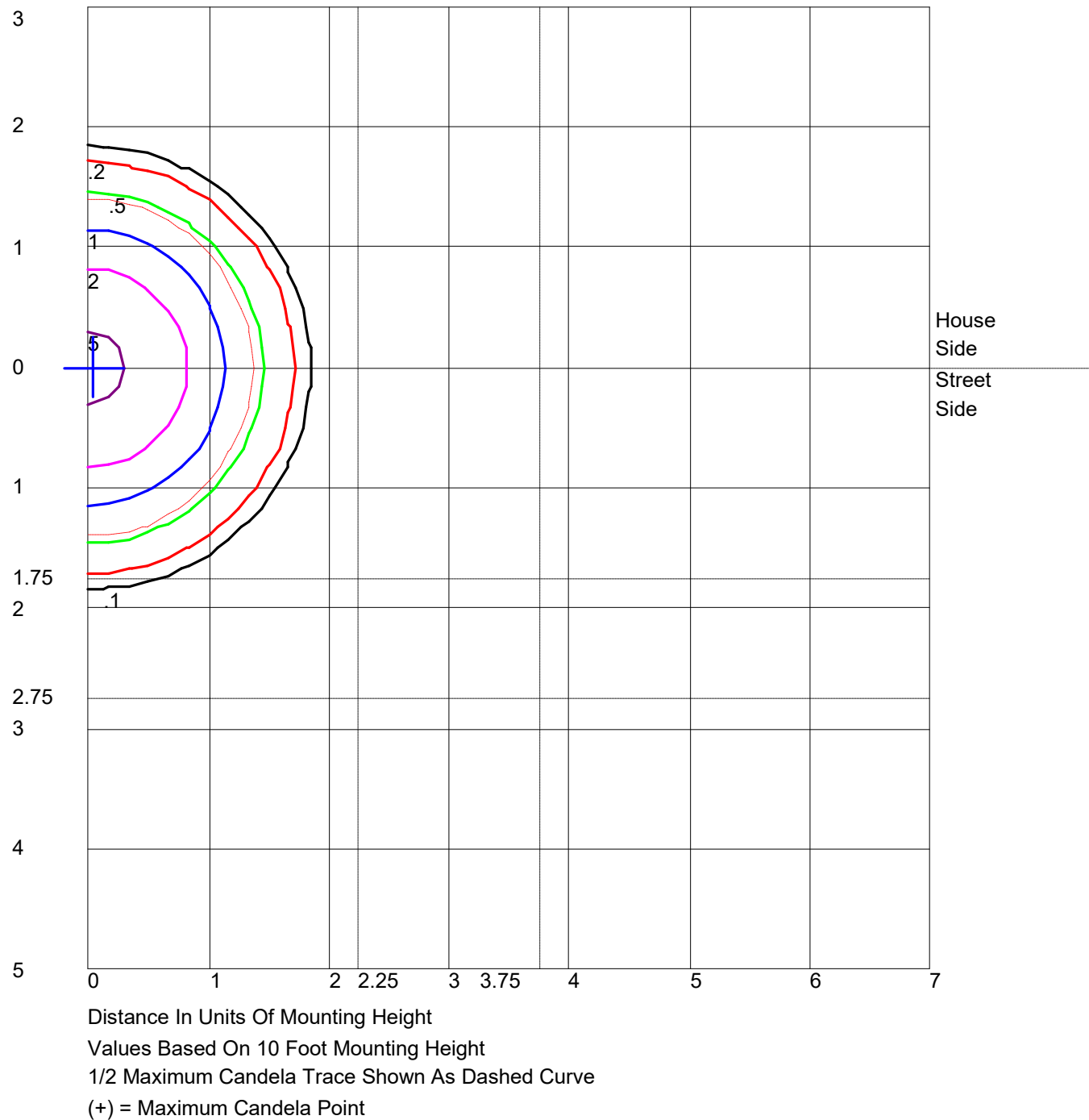
	Lumens	Percent Of Luminaire
Downward Street Side	691.0	50.0
Downward House Side	691.0	50.0
Downward Total	1382.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1382.2	100.0

POLAR GRAPH

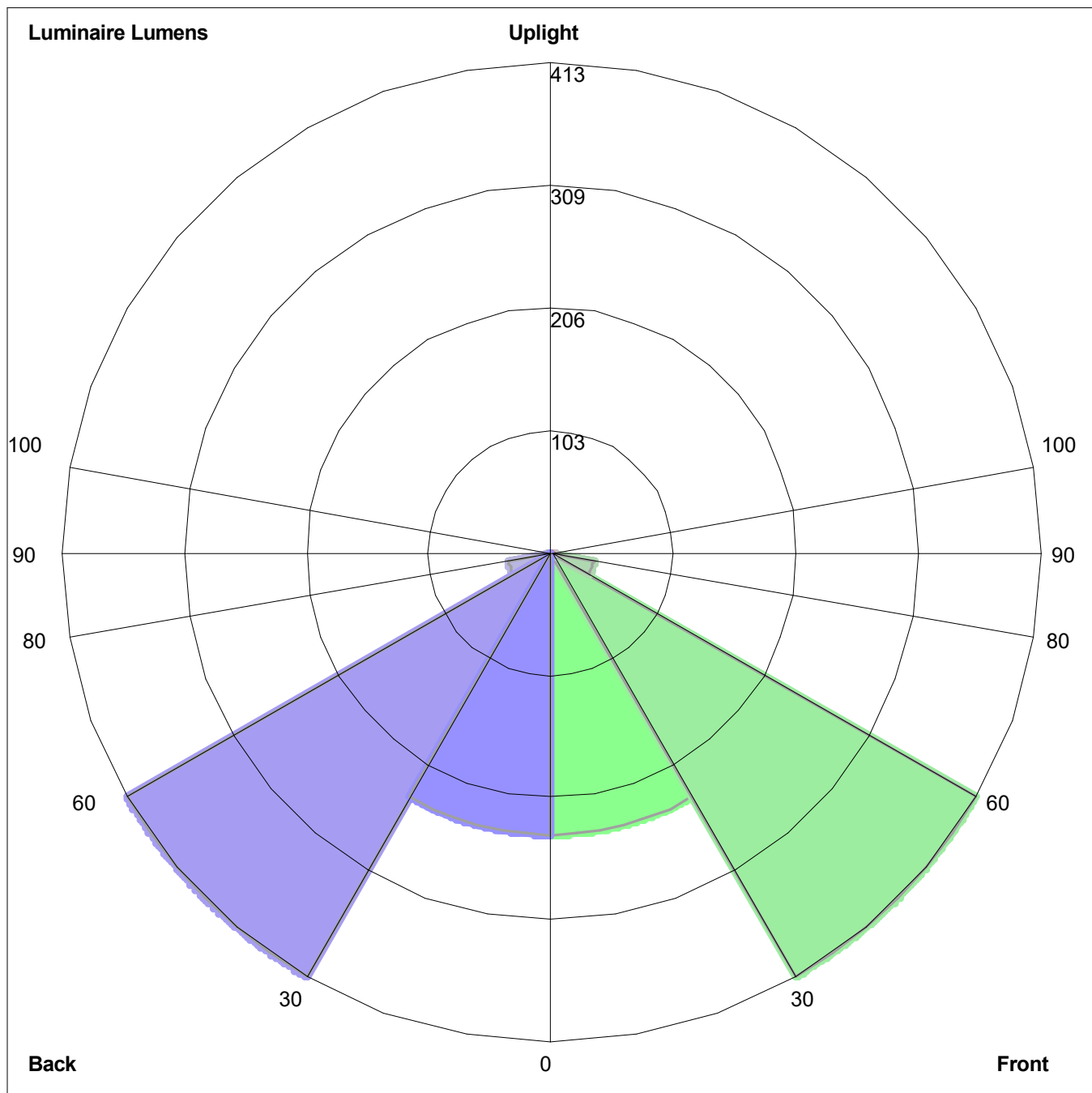


Maximum Candela = 579 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=237.8, Medium=412.6, High=36.7, Very High=3.8
Back: Low=237.8, Medium=412.6, High=36.7, Very High=3.8
Uplight: Low=0.1, High=0.0

BUG Rating : B1-U1-G0