

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-927U-L50-927D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR_Angela-W_(V22)_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-07

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L50-927U-L50-927D-xxx-DIM-UNV-M-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] CYLINDER WITH MEDIUM DIST

[LAMPCAT] BL VERO 22

[LAMP] LED

[OTHER] Absolute Photometry

[_CONVERT] Photometric web converted from original test data

[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8679
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	8563.207
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	8563.207
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.633 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.447 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-927U-L50-927D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1784.9	N.A.	20.6
FM - Front-Medium (30-60)	360.4	N.A.	4.2
FH - Front-High (60-80)	23.0	N.A.	0.3
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	1784.9	N.A.	20.6
BM - Back-Medium (30-60)	360.4	N.A.	4.2
BH - Back-High (60-80)	23.0	N.A.	0.3
BVH - Back-Very High (80-90)	1.5	N.A.	0.0
UL - Uplight-Low (90-100)	3.0	N.A.	0.0
UH - Uplight-High (100-180)	4336.6	N.A.	50.0
Total	8679.2	N.A.	100.0
BUG Rating	B3-U5-G0		

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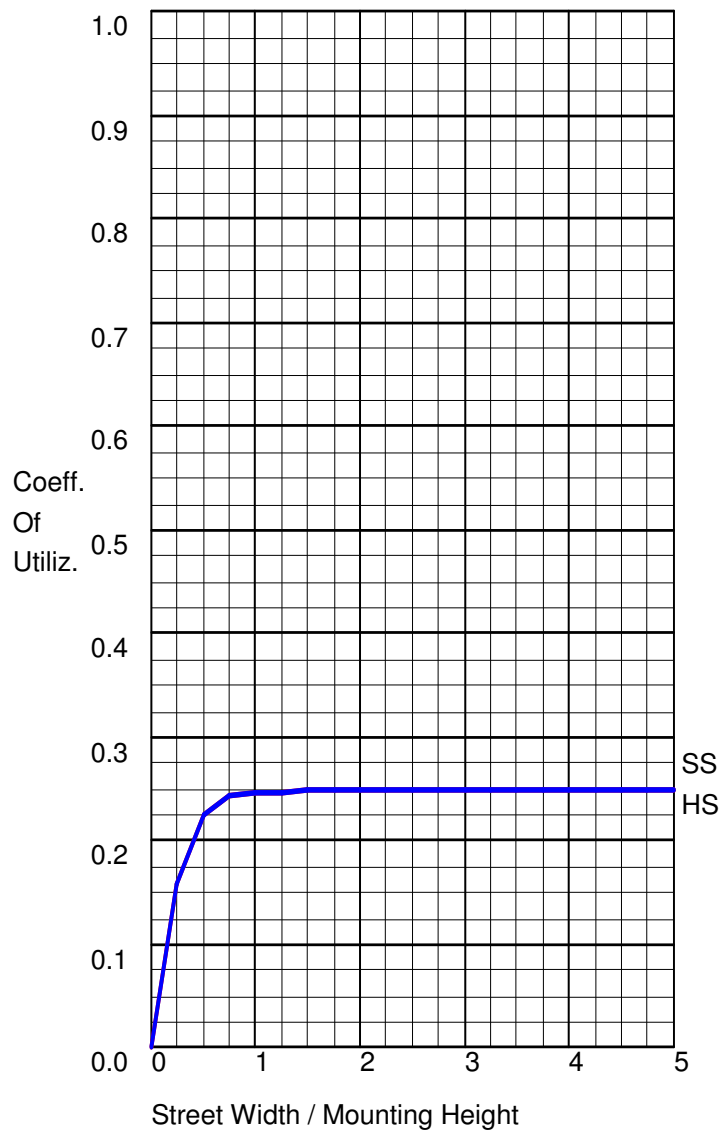
CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>	<u>225</u>	<u>270</u>	<u>315</u>	<u>360</u>
0	8092.654	8092.654	8092.654	8092.654	8092.654	8092.654	8092.654	8092.654	8092.654
5	7796.725	8237.649	8563.207	8237.649	7796.725	8237.649	8563.207	8237.649	7796.725
10	6986.611	7592.644	7918.590	7592.644	6986.611	7592.644	7918.590	7592.644	6986.611
15	5550.942	5810.198	5897.058	5810.198	5550.942	5810.198	5897.058	5810.198	5550.942
20	3829.940	3901.158	3888.651	3901.158	3829.940	3901.158	3888.651	3901.158	3829.940
25	2599.589	2596.527	2583.502	2596.527	2599.589	2596.527	2583.502	2596.527	2599.589
30	1787.707	1743.688	1721.146	1743.688	1787.707	1743.688	1721.146	1743.688	1787.707
35	814.886	824.073	854.406	824.073	814.886	824.073	854.406	824.073	814.886
40	231.050	254.598	271.849	254.598	231.050	254.598	271.849	254.598	231.050
45	117.480	120.097	120.399	120.097	117.480	120.097	120.399	120.097	117.480
50	78.090	79.341	79.758	79.341	78.090	79.341	79.758	79.341	78.090
55	54.787	55.621	55.980	55.621	54.787	55.621	55.980	55.621	54.787
60	40.123	40.483	40.555	40.483	40.123	40.483	40.555	40.483	40.123
65	30.535	30.592	30.405	30.592	30.535	30.592	30.405	30.592	30.535
70	22.398	22.297	22.038	22.297	22.398	22.297	22.038	22.297	22.398
75	14.620	14.477	14.304	14.477	14.620	14.477	14.304	14.477	14.620
80	7.447	7.447	7.432	7.447	7.447	7.447	7.432	7.447	7.447
85	1.466	1.466	1.409	1.466	1.466	1.466	1.409	1.466	1.466
90	0.546	0.633	0.633	0.633	0.546	0.633	0.633	0.633	0.546
95	1.466	1.466	1.409	1.466	1.466	1.466	1.409	1.466	1.466
100	7.447	7.447	7.432	7.447	7.447	7.447	7.432	7.447	7.447
105	14.620	14.477	14.304	14.477	14.620	14.477	14.304	14.477	14.620
110	22.398	22.297	22.038	22.297	22.398	22.297	22.038	22.297	22.398
115	30.535	30.592	30.405	30.592	30.535	30.592	30.405	30.592	30.535
120	40.123	40.483	40.555	40.483	40.123	40.483	40.555	40.483	40.123
125	54.787	55.621	55.980	55.621	54.787	55.621	55.980	55.621	54.787
130	78.090	79.341	79.758	79.341	78.090	79.341	79.758	79.341	78.090
135	117.480	120.097	120.399	120.097	117.480	120.097	120.399	120.097	117.480
140	231.050	254.598	271.849	254.598	231.050	254.598	271.849	254.598	231.050
145	814.886	824.073	854.406	824.073	814.886	824.073	854.406	824.073	814.886
150	1787.707	1743.688	1721.146	1743.688	1787.707	1743.688	1721.146	1743.688	1787.707
155	2599.589	2596.527	2583.502	2596.527	2599.589	2596.527	2583.502	2596.527	2599.589
160	3829.940	3901.158	3888.651	3901.158	3829.940	3901.158	3888.651	3901.158	3829.940
165	5550.942	5810.198	5897.058	5810.198	5550.942	5810.198	5897.058	5810.198	5550.942
170	6986.611	7592.644	7918.590	7592.644	6986.611	7592.644	7918.590	7592.644	6986.611
175	7796.725	8237.649	8563.207	8237.649	7796.725	8237.649	8563.207	8237.649	7796.725
180	8092.222	8092.222	8092.222	8092.222	8092.222	8092.222	8092.222	8092.222	8092.222

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COEFFICIENTS OF UTILIZATION



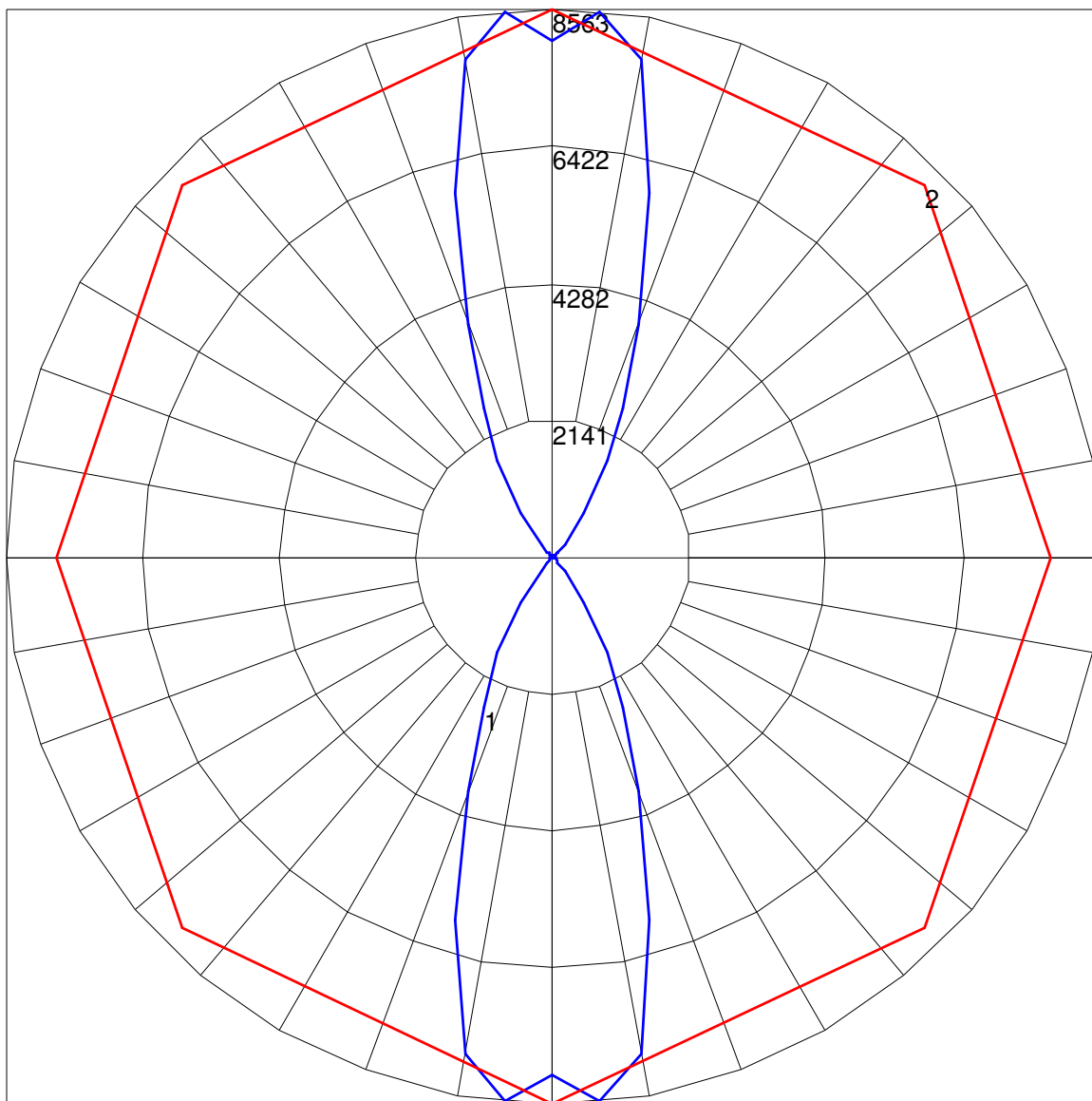
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2169.8	25.0
Downward House Side	2169.8	25.0
Downward Total	4339.6	50.0
Upward Street Side	2169.8	25.0
Upward House Side	2169.8	25.0
Upward Total	4339.6	50.0
Total Flux	8679.2	100.0

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POLAR GRAPH



Maximum Candela = 8563.207 Located At Horizontal Angle = 270, Vertical Angle = 175

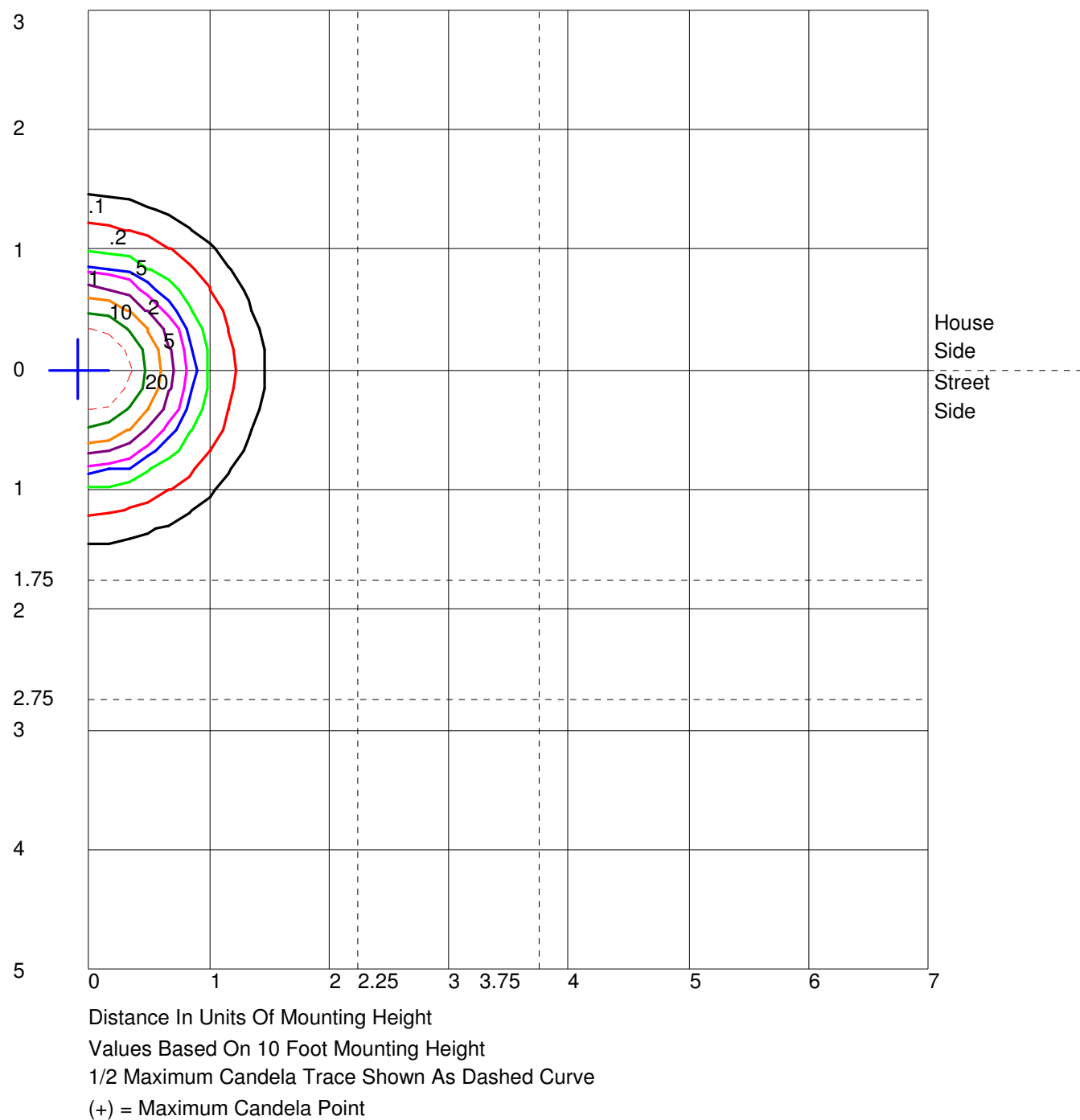
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

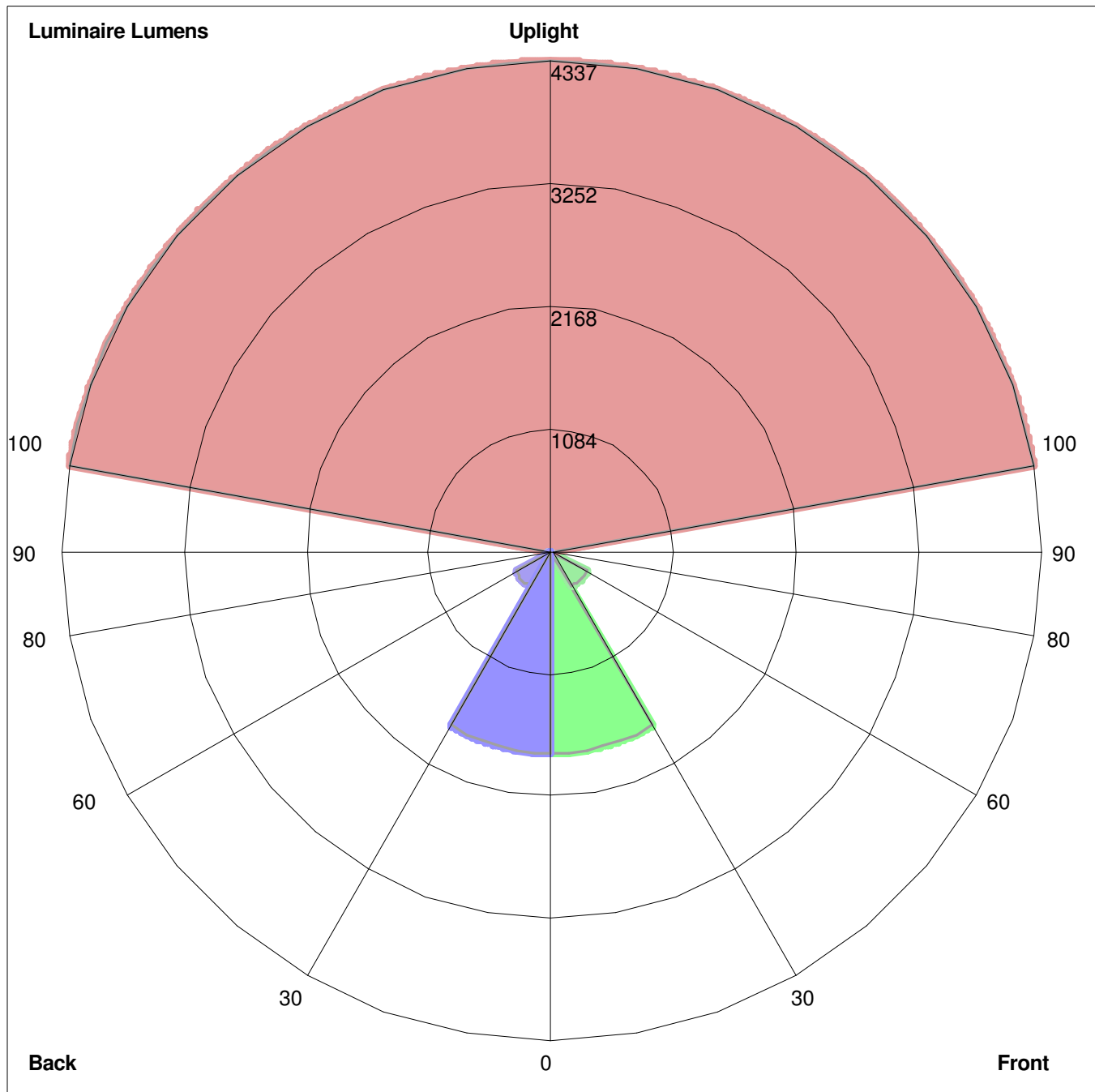
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1784.9, Medium=360.4, High=23.0, Very High=1.5
Back: Low=1784.9, Medium=360.4, High=23.0, Very High=1.5
Uplight: Low=3.0, High=4336.6

BUG Rating : B3-U5-G0