

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-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-L50-930U-L50-930D-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	8866
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	8747.362
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	8747.362
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.646 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.607 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-930U-L50-930D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1823.2	N.A.	20.6
FM - Front-Medium (30-60)	368.2	N.A.	4.2
FH - Front-High (60-80)	23.5	N.A.	0.3
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	1823.2	N.A.	20.6
BM - Back-Medium (30-60)	368.2	N.A.	4.2
BH - Back-High (60-80)	23.5	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)	4429.9	N.A.	50.0
Total	8865.7	N.A.	100.0
BUG Rating	B3-U5-G0		

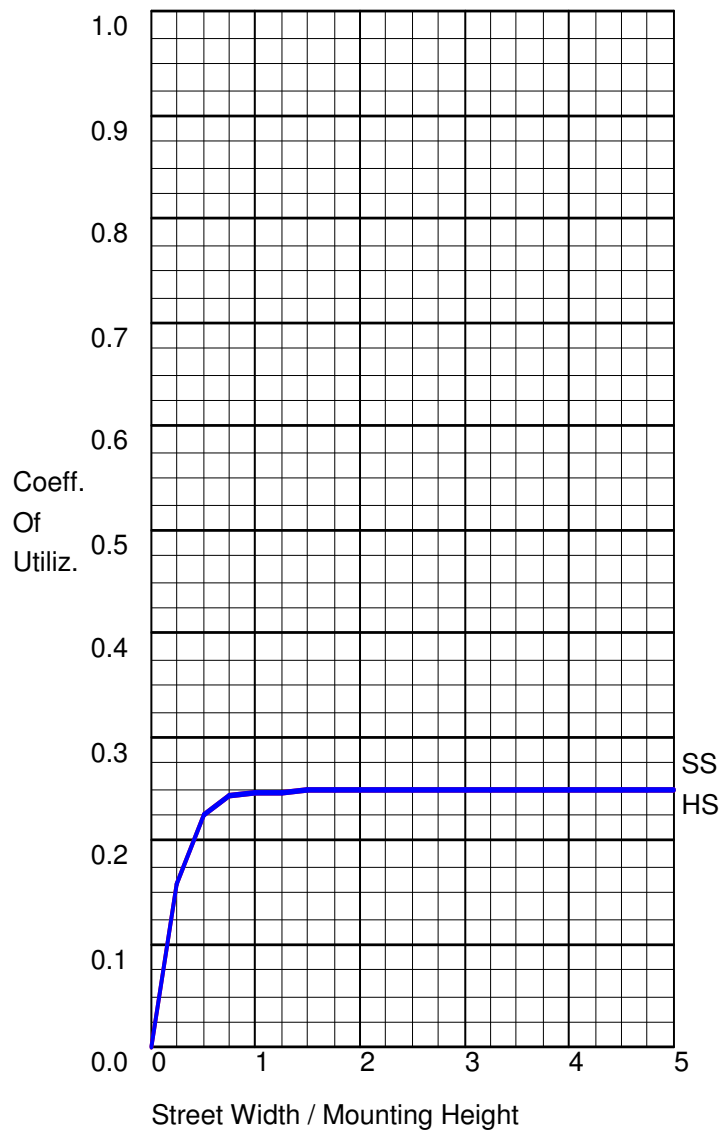
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CANDELA TABULATION

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	8266.689	8266.689	8266.689	8266.689	8266.689	8266.689	8266.689	8266.689	8266.689
5	7964.396	8414.803	8747.362	8414.803	7964.396	8414.803	8747.362	8414.803	7964.396
10	7136.861	7755.926	8088.882	7755.926	7136.861	7755.926	8088.882	7755.926	7136.861
15	5670.317	5935.149	6023.876	5935.149	5670.317	5935.149	6023.876	5935.149	5670.317
20	3912.304	3985.054	3972.278	3985.054	3912.304	3985.054	3972.278	3985.054	3912.304
25	2655.494	2652.366	2639.061	2652.366	2655.494	2652.366	2639.061	2652.366	2655.494
30	1826.152	1781.186	1758.160	1781.186	1826.152	1781.186	1758.160	1781.186	1826.152
35	832.411	841.795	872.780	841.795	832.411	841.795	872.780	841.795	832.411
40	236.019	260.073	277.695	260.073	236.019	260.073	277.695	260.073	236.019
45	120.007	122.679	122.988	122.679	120.007	122.679	122.988	122.679	120.007
50	79.770	81.047	81.473	81.047	79.770	81.047	81.473	81.047	79.770
55	55.965	56.817	57.184	56.817	55.965	56.817	57.184	56.817	55.965
60	40.986	41.353	41.427	41.353	40.986	41.353	41.427	41.353	40.986
65	31.191	31.250	31.059	31.250	31.191	31.250	31.059	31.250	31.191
70	22.879	22.777	22.512	22.777	22.879	22.777	22.512	22.777	22.879
75	14.935	14.788	14.612	14.788	14.935	14.788	14.612	14.788	14.935
80	7.607	7.607	7.592	7.607	7.607	7.607	7.592	7.607	7.607
85	1.498	1.498	1.439	1.498	1.498	1.498	1.439	1.498	1.498
90	0.558	0.646	0.646	0.646	0.558	0.646	0.646	0.646	0.558
95	1.498	1.498	1.439	1.498	1.498	1.498	1.439	1.498	1.498
100	7.607	7.607	7.592	7.607	7.607	7.607	7.592	7.607	7.607
105	14.935	14.788	14.612	14.788	14.935	14.788	14.612	14.788	14.935
110	22.879	22.777	22.512	22.777	22.879	22.777	22.512	22.777	22.879
115	31.191	31.250	31.059	31.250	31.191	31.250	31.059	31.250	31.191
120	40.986	41.353	41.427	41.353	40.986	41.353	41.427	41.353	40.986
125	55.965	56.817	57.184	56.817	55.965	56.817	57.184	56.817	55.965
130	79.770	81.047	81.473	81.047	79.770	81.047	81.473	81.047	79.770
135	120.007	122.679	122.988	122.679	120.007	122.679	122.988	122.679	120.007
140	236.019	260.073	277.695	260.073	236.019	260.073	277.695	260.073	236.019
145	832.411	841.795	872.780	841.795	832.411	841.795	872.780	841.795	832.411
150	1826.152	1781.186	1758.160	1781.186	1826.152	1781.186	1758.160	1781.186	1826.152
155	2655.494	2652.366	2639.061	2652.366	2655.494	2652.366	2639.061	2652.366	2655.494
160	3912.304	3985.054	3972.278	3985.054	3912.304	3985.054	3972.278	3985.054	3912.304
165	5670.317	5935.149	6023.876	5935.149	5670.317	5935.149	6023.876	5935.149	5670.317
170	7136.861	7755.926	8088.882	7755.926	7136.861	7755.926	8088.882	7755.926	7136.861
175	7964.396	8414.803	8747.362	8414.803	7964.396	8414.803	8747.362	8414.803	7964.396
180	8266.248	8266.248	8266.248	8266.248	8266.248	8266.248	8266.248	8266.248	8266.248

COEFFICIENTS OF UTILIZATION



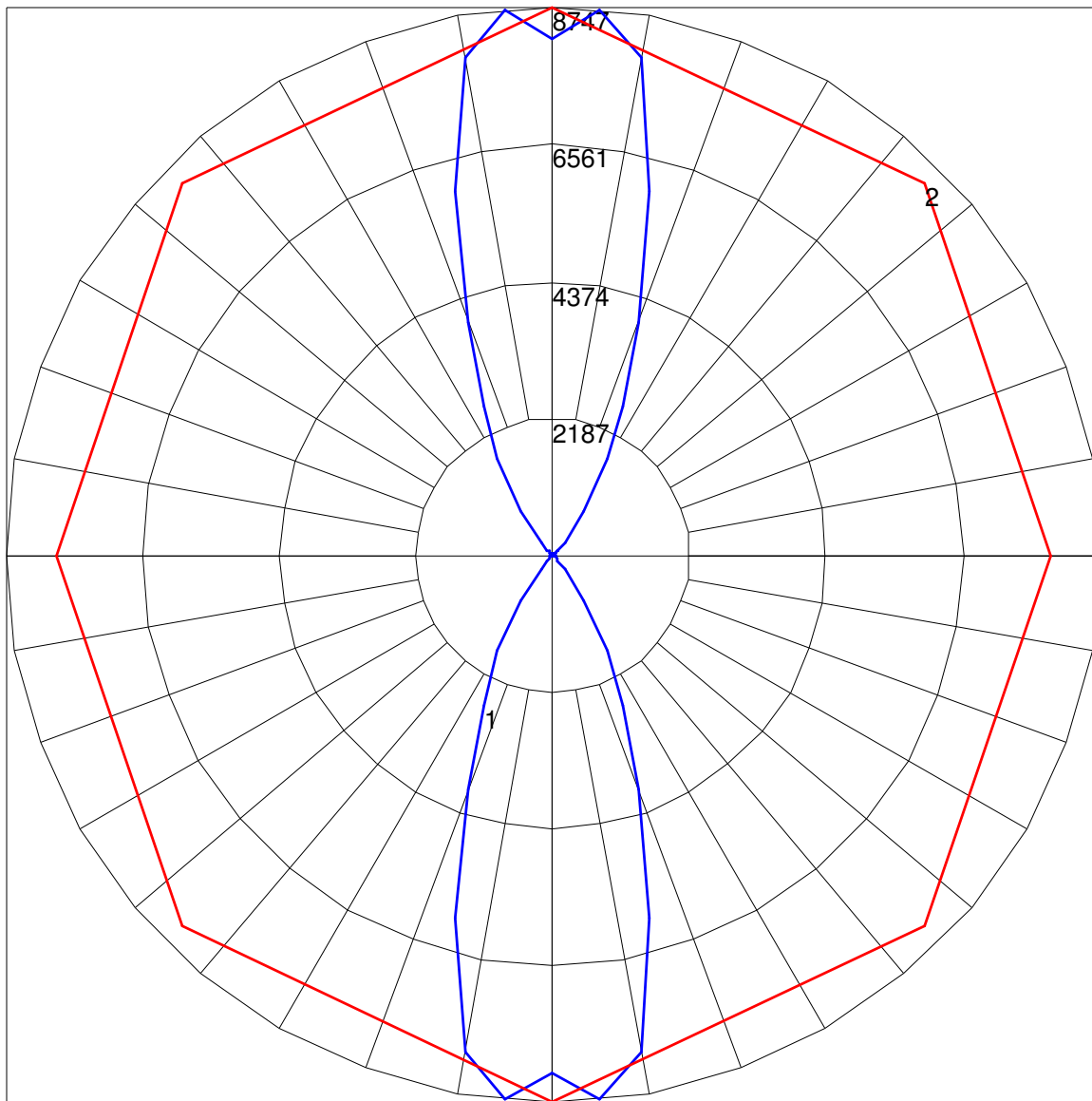
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2216.5	25.0
Downward House Side	2216.5	25.0
Downward Total	4433.0	50.0
Upward Street Side	2216.5	25.0
Upward House Side	2216.5	25.0
Upward Total	4433.0	50.0
Total Flux	8866.0	100.0

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POLAR GRAPH



Maximum Candela = 8747.362 Located At Horizontal Angle = 270, Vertical Angle = 175

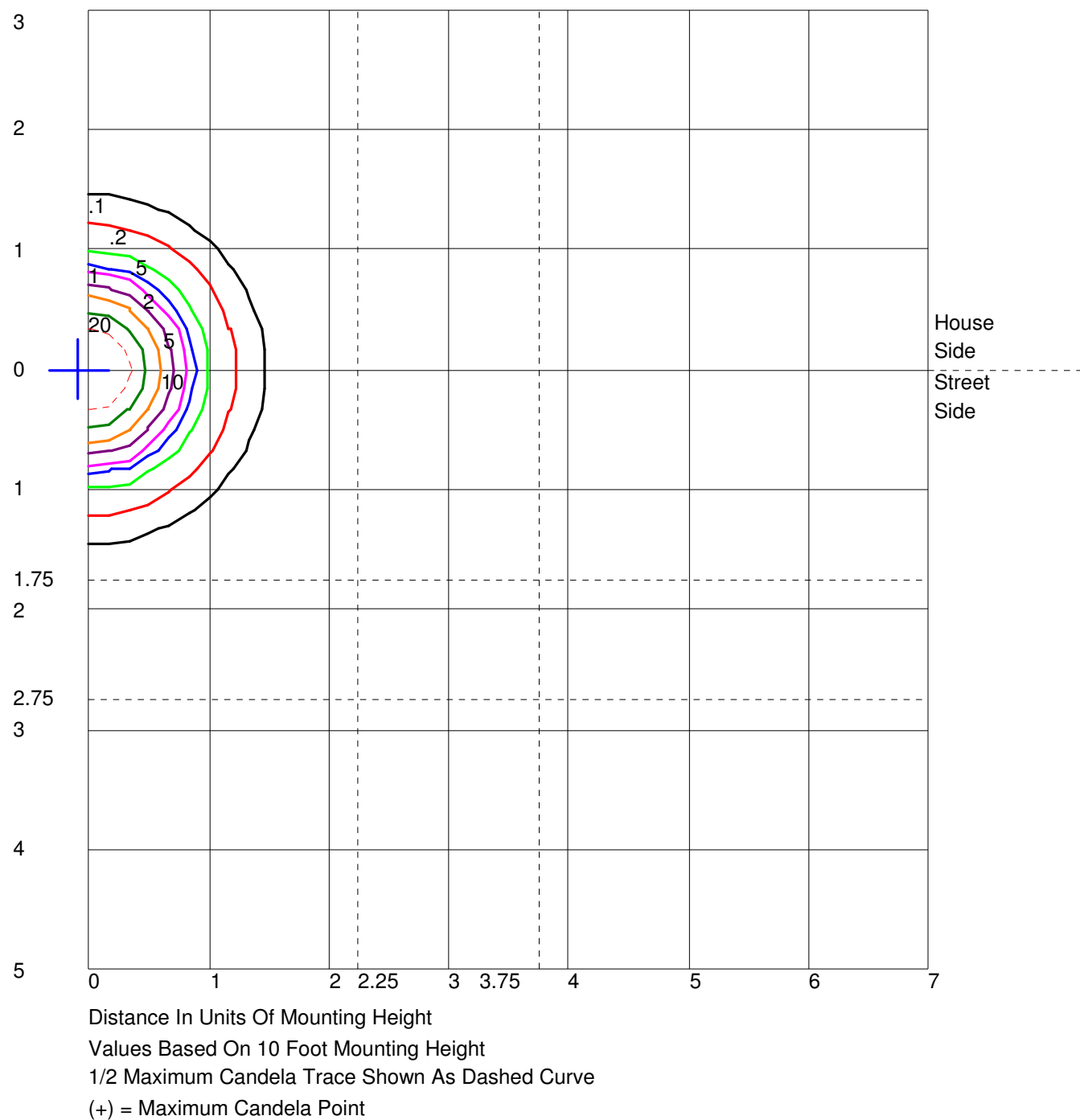
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

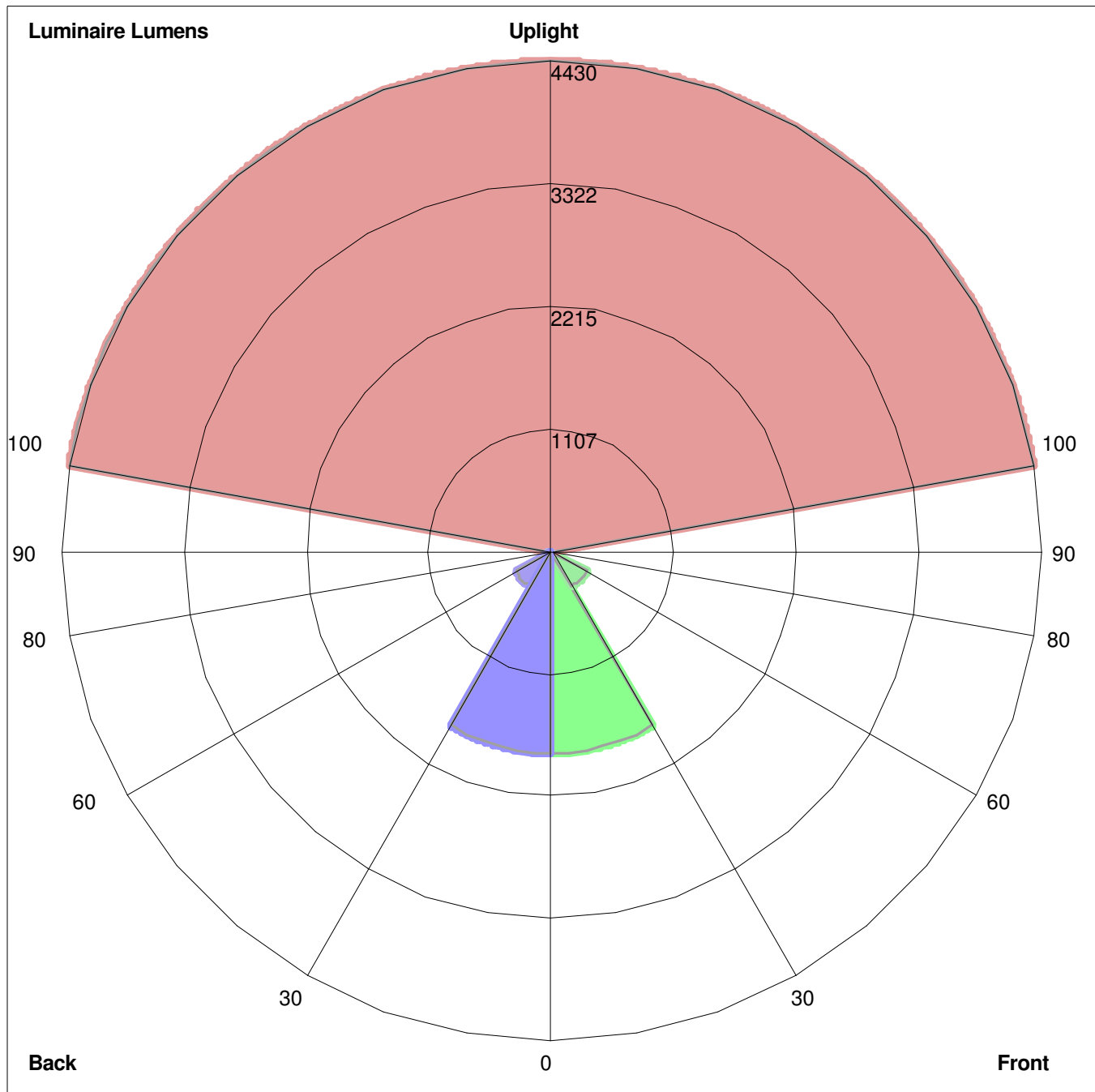
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1823.2, Medium=368.2, High=23.5, Very High=1.5
Back: Low=1823.2, Medium=368.2, High=23.5, Very High=1.5
Uplight: Low=3.0, High=4429.9

BUG Rating : B3-U5-G0