

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-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-L50-935U-L50-935D-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	8959
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	8839.439
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	8839.439
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.653 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.687 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1842.4	N.A.	20.6
FM - Front-Medium (30-60)	372.0	N.A.	4.2
FH - Front-High (60-80)	23.8	N.A.	0.3
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	1842.4	N.A.	20.6
BM - Back-Medium (30-60)	372.0	N.A.	4.2
BH - Back-High (60-80)	23.8	N.A.	0.3
BVH - Back-Very High (80-90)	1.5	N.A.	0.0
UL - Uplight-Low (90-100)	3.1	N.A.	0.0
UH - Uplight-High (100-180)	4476.5	N.A.	50.0
Total	8959.0	N.A.	100.0
BUG Rating	B3-U5-G0		

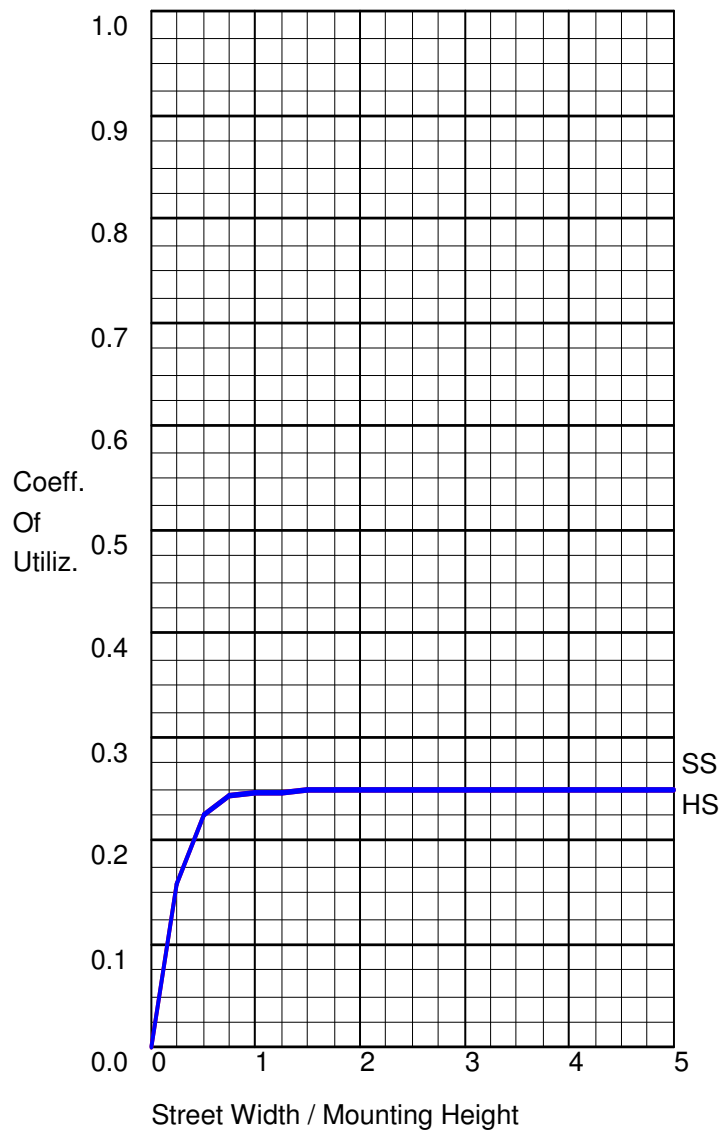
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CANDELA TABULATION

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	8353.707	8353.707	8353.707	8353.707	8353.707	8353.707	8353.707	8353.707	8353.707
5	8048.232	8503.380	8839.439	8503.380	8048.232	8503.380	8839.439	8503.380	8048.232
10	7211.985	7837.567	8174.028	7837.567	7211.985	7837.567	8174.028	7837.567	7211.985
15	5730.005	5997.624	6087.285	5997.624	5730.005	5997.624	6087.285	5997.624	5730.005
20	3953.486	4027.002	4014.092	4027.002	3953.486	4027.002	4014.092	4027.002	3953.486
25	2683.446	2680.285	2666.841	2680.285	2683.446	2680.285	2666.841	2680.285	2683.446
30	1845.375	1799.936	1776.667	1799.936	1845.375	1799.936	1776.667	1799.936	1845.375
35	841.173	850.656	881.967	850.656	841.173	850.656	881.967	850.656	841.173
40	238.503	262.811	280.619	262.811	238.503	262.811	280.619	262.811	238.503
45	121.270	123.971	124.282	123.971	121.270	123.971	124.282	123.971	121.270
50	80.609	81.900	82.331	81.900	80.609	81.900	82.331	81.900	80.609
55	56.554	57.415	57.786	57.415	56.554	57.415	57.786	57.415	56.554
60	41.418	41.789	41.863	41.789	41.418	41.789	41.863	41.789	41.418
65	31.520	31.579	31.386	31.579	31.520	31.579	31.386	31.579	31.520
70	23.120	23.016	22.749	23.016	23.120	23.016	22.749	23.016	23.120
75	15.092	14.944	14.765	14.944	15.092	14.944	14.765	14.944	15.092
80	7.687	7.687	7.672	7.687	7.687	7.687	7.672	7.687	7.687
85	1.514	1.514	1.454	1.514	1.514	1.514	1.454	1.514	1.514
90	0.564	0.653	0.653	0.653	0.564	0.653	0.653	0.653	0.564
95	1.514	1.514	1.454	1.514	1.514	1.514	1.454	1.514	1.514
100	7.687	7.687	7.672	7.687	7.687	7.687	7.672	7.687	7.687
105	15.092	14.944	14.765	14.944	15.092	14.944	14.765	14.944	15.092
110	23.120	23.016	22.749	23.016	23.120	23.016	22.749	23.016	23.120
115	31.520	31.579	31.386	31.579	31.520	31.579	31.386	31.579	31.520
120	41.418	41.789	41.863	41.789	41.418	41.789	41.863	41.789	41.418
125	56.554	57.415	57.786	57.415	56.554	57.415	57.786	57.415	56.554
130	80.609	81.900	82.331	81.900	80.609	81.900	82.331	81.900	80.609
135	121.270	123.971	124.282	123.971	121.270	123.971	124.282	123.971	121.270
140	238.503	262.811	280.619	262.811	238.503	262.811	280.619	262.811	238.503
145	841.173	850.656	881.967	850.656	841.173	850.656	881.967	850.656	841.173
150	1845.375	1799.936	1776.667	1799.936	1845.375	1799.936	1776.667	1799.936	1845.375
155	2683.446	2680.285	2666.841	2680.285	2683.446	2680.285	2666.841	2680.285	2683.446
160	3953.486	4027.002	4014.092	4027.002	3953.486	4027.002	4014.092	4027.002	3953.486
165	5730.005	5997.624	6087.285	5997.624	5730.005	5997.624	6087.285	5997.624	5730.005
170	7211.985	7837.567	8174.028	7837.567	7211.985	7837.567	8174.028	7837.567	7211.985
175	8048.232	8503.380	8839.439	8503.380	8048.232	8503.380	8839.439	8503.380	8048.232
180	8353.261	8353.261	8353.261	8353.261	8353.261	8353.261	8353.261	8353.261	8353.261

COEFFICIENTS OF UTILIZATION



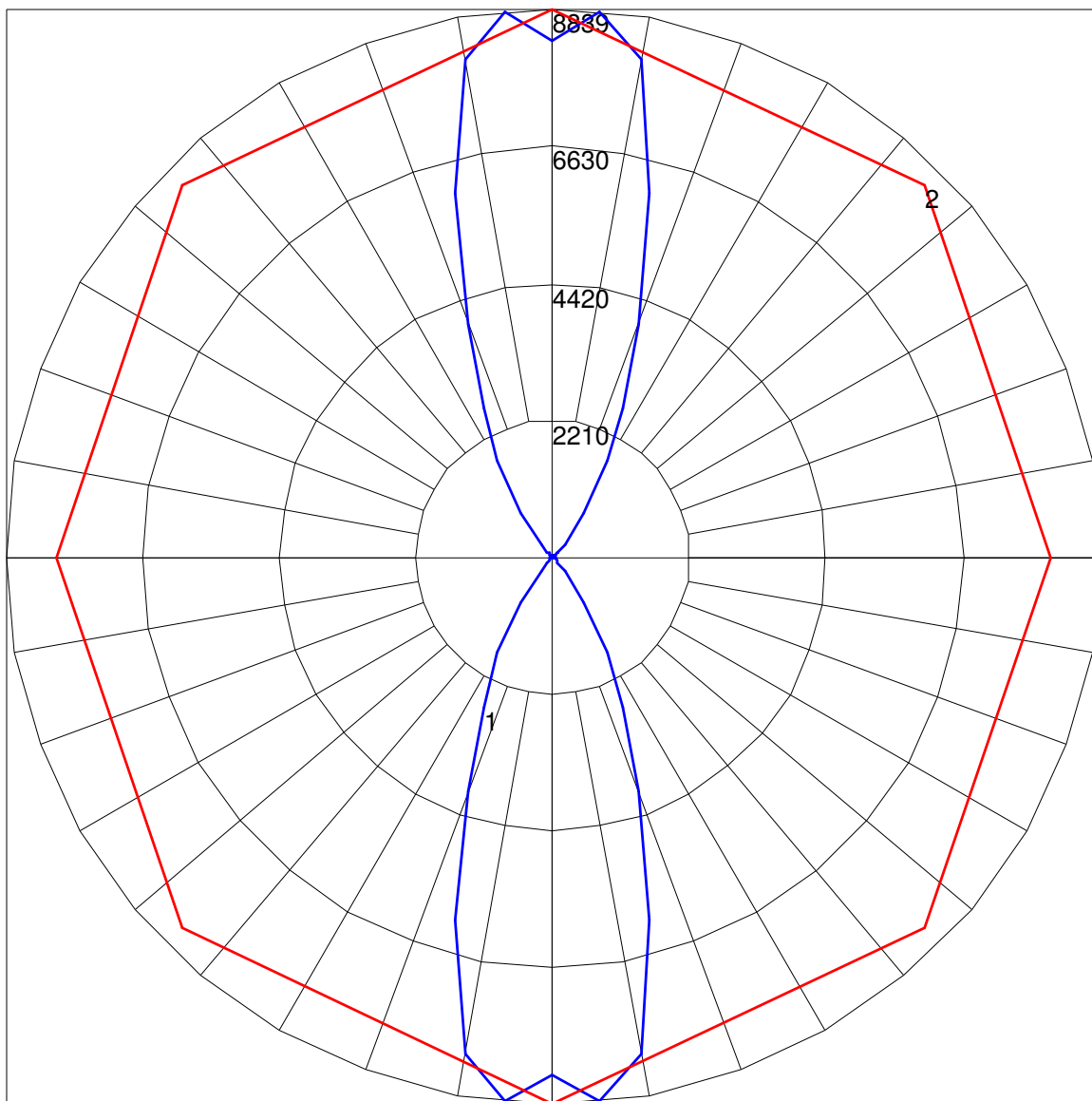
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2239.8	25.0
Downward House Side	2239.8	25.0
Downward Total	4479.6	50.0
Upward Street Side	2239.8	25.0
Upward House Side	2239.8	25.0
Upward Total	4479.6	50.0
Total Flux	8959.2	100.0

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POLAR GRAPH



Maximum Candela = 8839.439 Located At Horizontal Angle = 270, Vertical Angle = 175

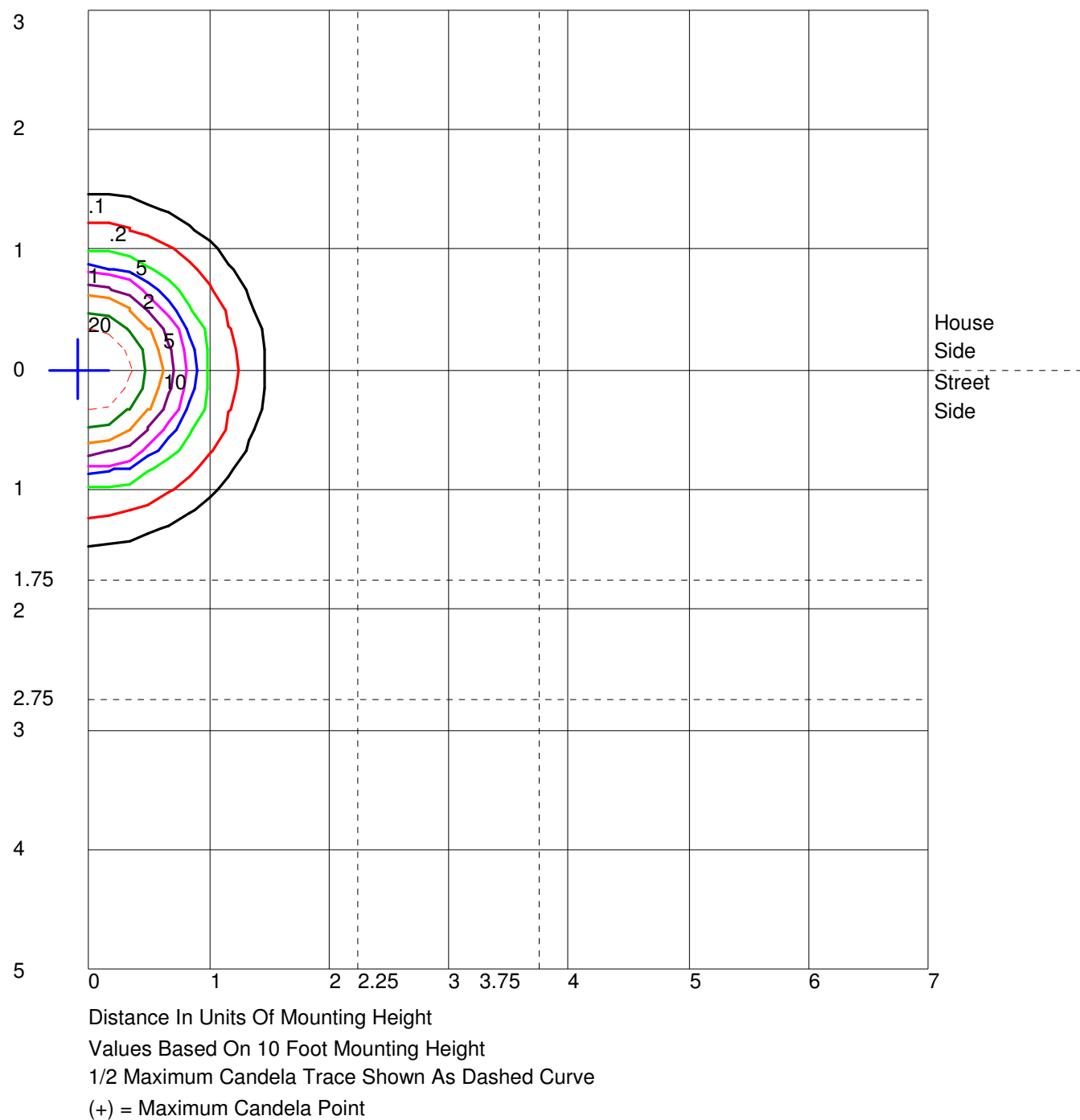
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

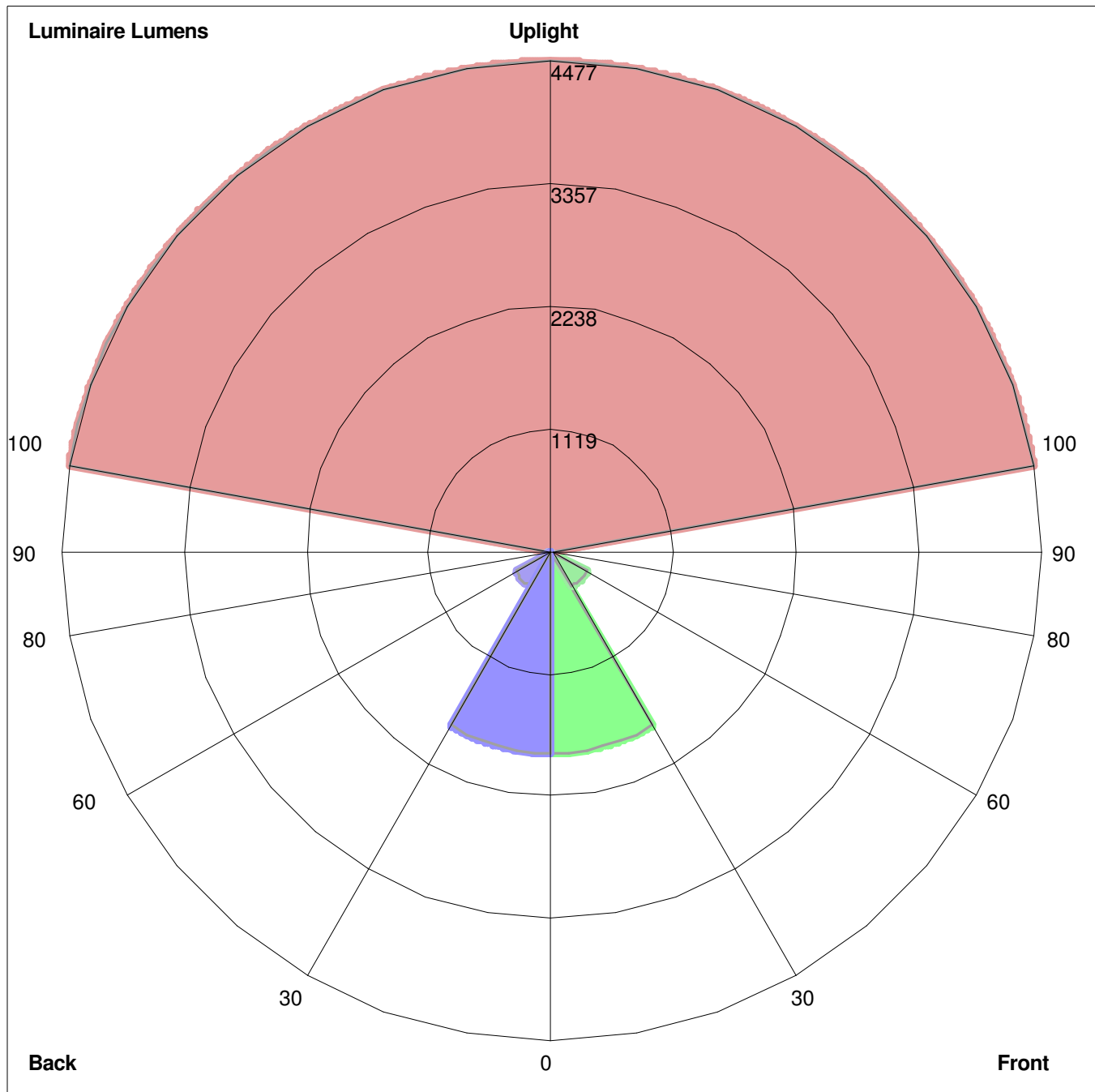
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1842.4, Medium=372.0, High=23.8, Very High=1.5
Back: Low=1842.4, Medium=372.0, High=23.8, Very High=1.5
Uplight: Low=3.1, High=4476.5

BUG Rating : B3-U5-G0