

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-827U-L50-827D-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-L50-827U-L50-827D-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	9146
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	9023.594
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	9023.594
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.667 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.847 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-827U-L50-827D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1880.8	N.A.	20.6
FM - Front-Medium (30-60)	379.8	N.A.	4.2
FH - Front-High (60-80)	24.3	N.A.	0.3
FVH - Front-Very High (80-90)	1.6	N.A.	0.0
BL - Back-Low (0-30)	1880.8	N.A.	20.6
BM - Back-Medium (30-60)	379.8	N.A.	4.2
BH - Back-High (60-80)	24.3	N.A.	0.3
BVH - Back-Very High (80-90)	1.6	N.A.	0.0
UL - Uplight-Low (90-100)	3.1	N.A.	0.0
UH - Uplight-High (100-180)	4569.8	N.A.	50.0
Total	9145.9	N.A.	100.0
BUG Rating	B3-U5-G0		

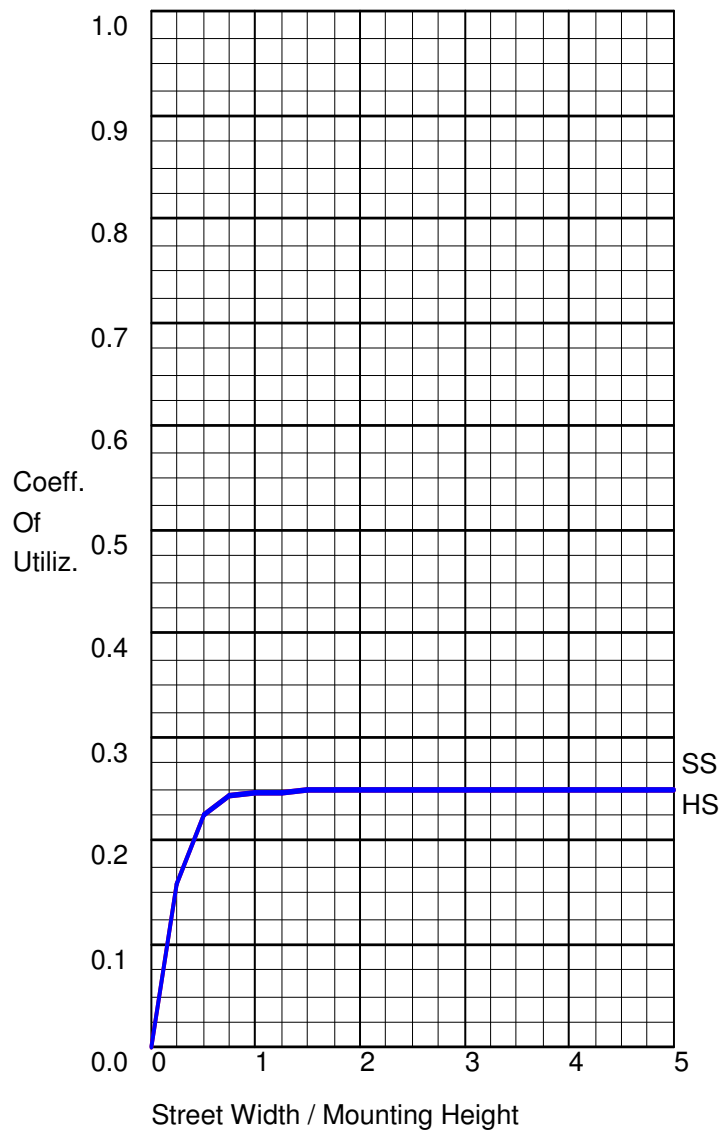
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CANDELA TABULATION

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	8527.742	8527.742	8527.742	8527.742	8527.742	8527.742	8527.742	8527.742	8527.742
5	8215.903	8680.533	9023.594	8680.533	8215.903	8680.533	9023.594	8680.533	8215.903
10	7362.235	8000.850	8344.320	8000.850	7362.235	8000.850	8344.320	8000.850	7362.235
15	5849.380	6122.574	6214.104	6122.574	5849.380	6122.574	6214.104	6122.574	5849.380
20	4035.850	4110.898	4097.718	4110.898	4035.850	4110.898	4097.718	4110.898	4035.850
25	2739.351	2736.125	2722.400	2736.125	2739.351	2736.125	2722.400	2736.125	2739.351
30	1883.820	1837.434	1813.681	1837.434	1883.820	1837.434	1813.681	1837.434	1883.820
35	858.697	868.377	900.342	868.377	858.697	868.377	900.342	868.377	858.697
40	243.472	268.286	286.465	268.286	243.472	268.286	286.465	268.286	243.472
45	123.796	126.553	126.872	126.553	123.796	126.553	126.872	126.553	123.796
50	82.289	83.607	84.046	83.607	82.289	83.607	84.046	83.607	82.289
55	57.732	58.611	58.990	58.611	57.732	58.611	58.990	58.611	57.732
60	42.280	42.659	42.735	42.659	42.280	42.659	42.735	42.659	42.280
65	32.176	32.237	32.040	32.237	32.176	32.237	32.040	32.237	32.176
70	23.602	23.496	23.223	23.496	23.602	23.496	23.223	23.496	23.602
75	15.406	15.255	15.073	15.255	15.406	15.255	15.073	15.255	15.406
80	7.847	7.847	7.832	7.847	7.847	7.847	7.832	7.847	7.847
85	1.545	1.545	1.485	1.545	1.545	1.545	1.485	1.545	1.545
90	0.576	0.667	0.667	0.667	0.576	0.667	0.667	0.667	0.576
95	1.545	1.545	1.485	1.545	1.545	1.545	1.485	1.545	1.545
100	7.847	7.847	7.832	7.847	7.847	7.847	7.832	7.847	7.847
105	15.406	15.255	15.073	15.255	15.406	15.255	15.073	15.255	15.406
110	23.602	23.496	23.223	23.496	23.602	23.496	23.223	23.496	23.602
115	32.176	32.237	32.040	32.237	32.176	32.237	32.040	32.237	32.176
120	42.280	42.659	42.735	42.659	42.280	42.659	42.735	42.659	42.280
125	57.732	58.611	58.990	58.611	57.732	58.611	58.990	58.611	57.732
130	82.289	83.607	84.046	83.607	82.289	83.607	84.046	83.607	82.289
135	123.796	126.553	126.872	126.553	123.796	126.553	126.872	126.553	123.796
140	243.472	268.286	286.465	268.286	243.472	268.286	286.465	268.286	243.472
145	858.697	868.377	900.342	868.377	858.697	868.377	900.342	868.377	858.697
150	1883.820	1837.434	1813.681	1837.434	1883.820	1837.434	1813.681	1837.434	1883.820
155	2739.351	2736.125	2722.400	2736.125	2739.351	2736.125	2722.400	2736.125	2739.351
160	4035.850	4110.898	4097.718	4110.898	4035.850	4110.898	4097.718	4110.898	4035.850
165	5849.380	6122.574	6214.104	6122.574	5849.380	6122.574	6214.104	6122.574	5849.380
170	7362.235	8000.850	8344.320	8000.850	7362.235	8000.850	8344.320	8000.850	7362.235
175	8215.903	8680.533	9023.594	8680.533	8215.903	8680.533	9023.594	8680.533	8215.903
180	8527.287	8527.287	8527.287	8527.287	8527.287	8527.287	8527.287	8527.287	8527.287

COEFFICIENTS OF UTILIZATION



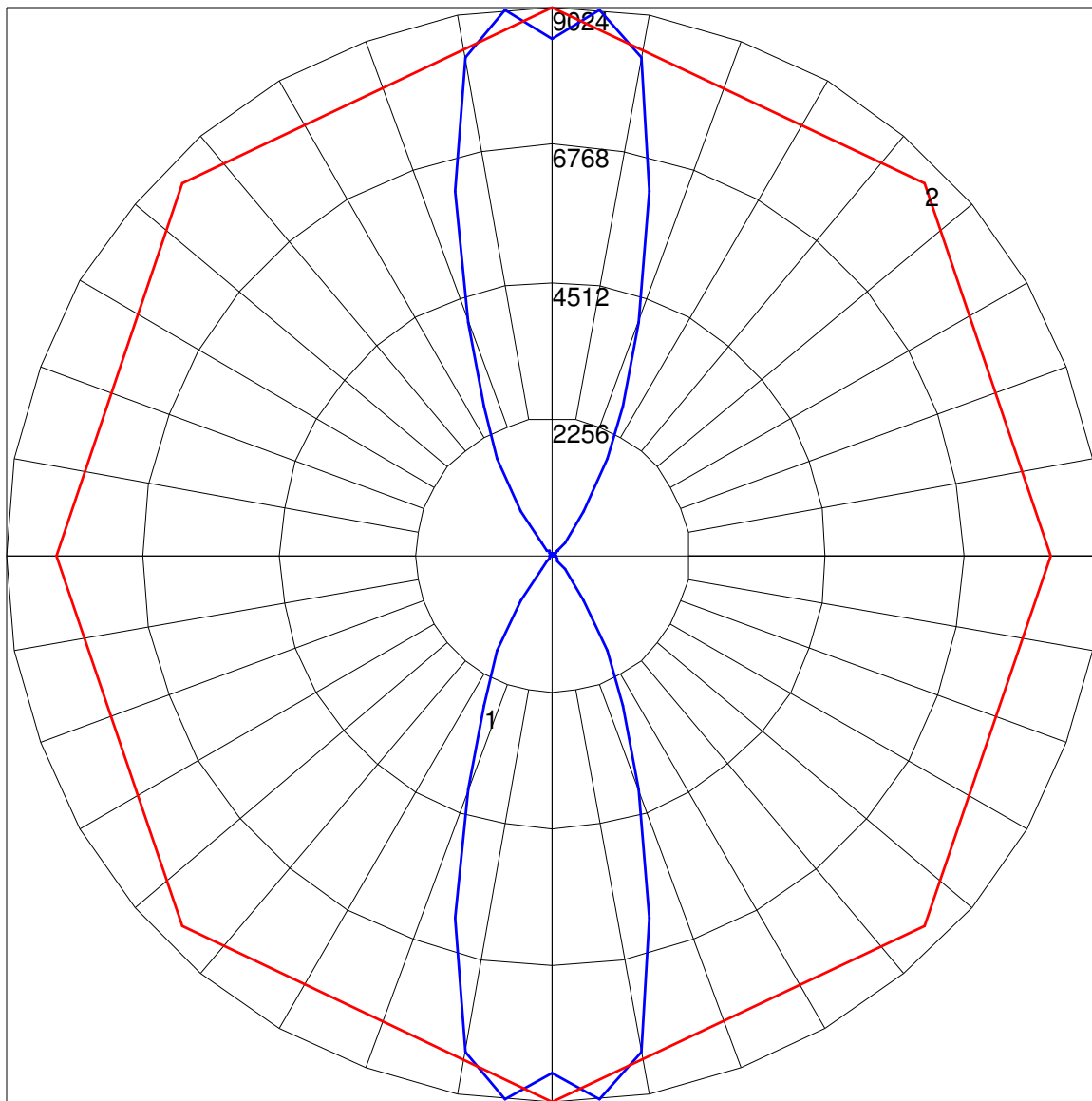
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2286.5	25.0
Downward House Side	2286.5	25.0
Downward Total	4573.0	50.0
Upward Street Side	2286.5	25.0
Upward House Side	2286.5	25.0
Upward Total	4573.0	50.0
Total Flux	9146.0	100.0

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POLAR GRAPH



Maximum Candela = 9023.594 Located At Horizontal Angle = 270, Vertical Angle = 175

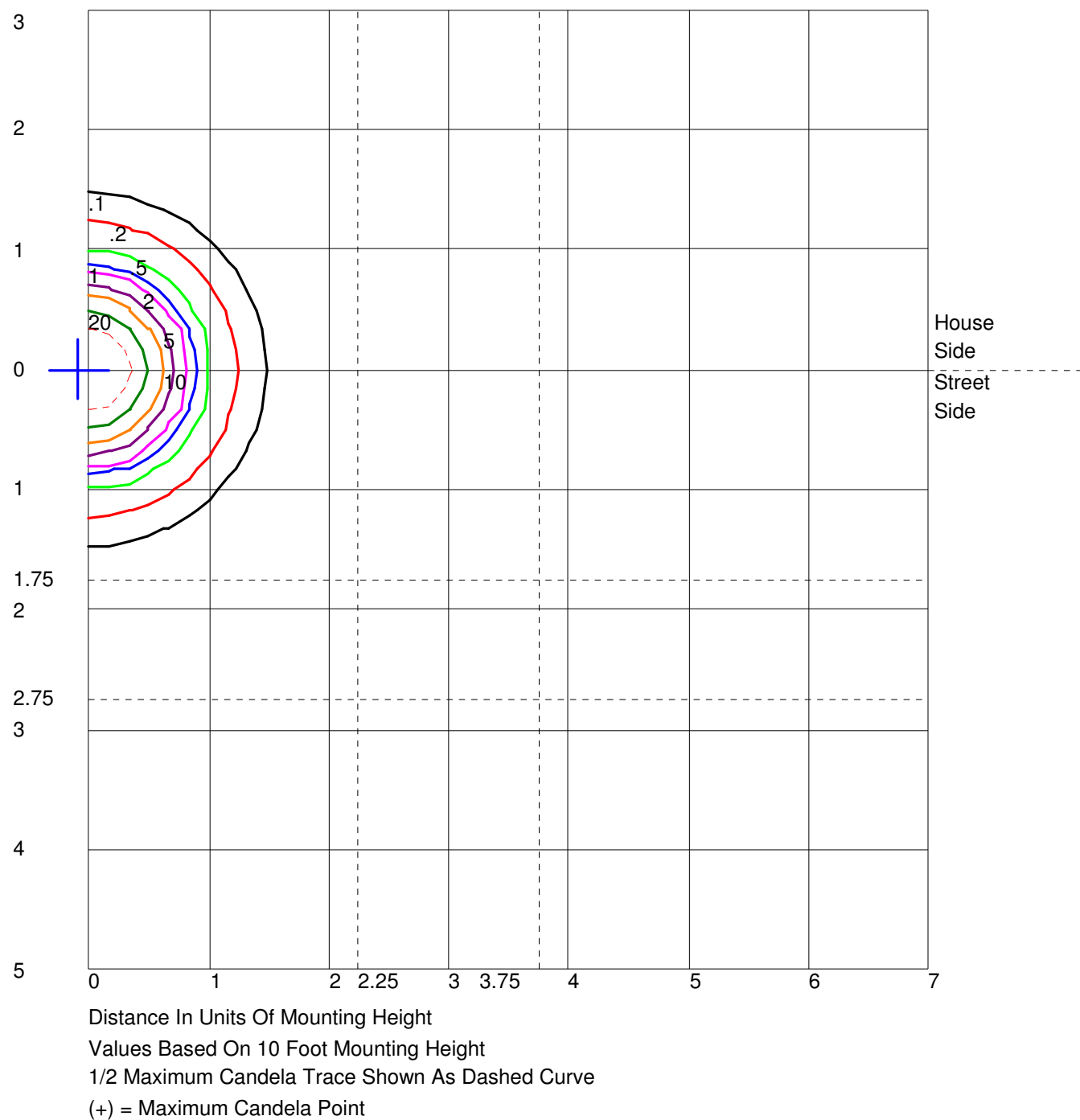
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

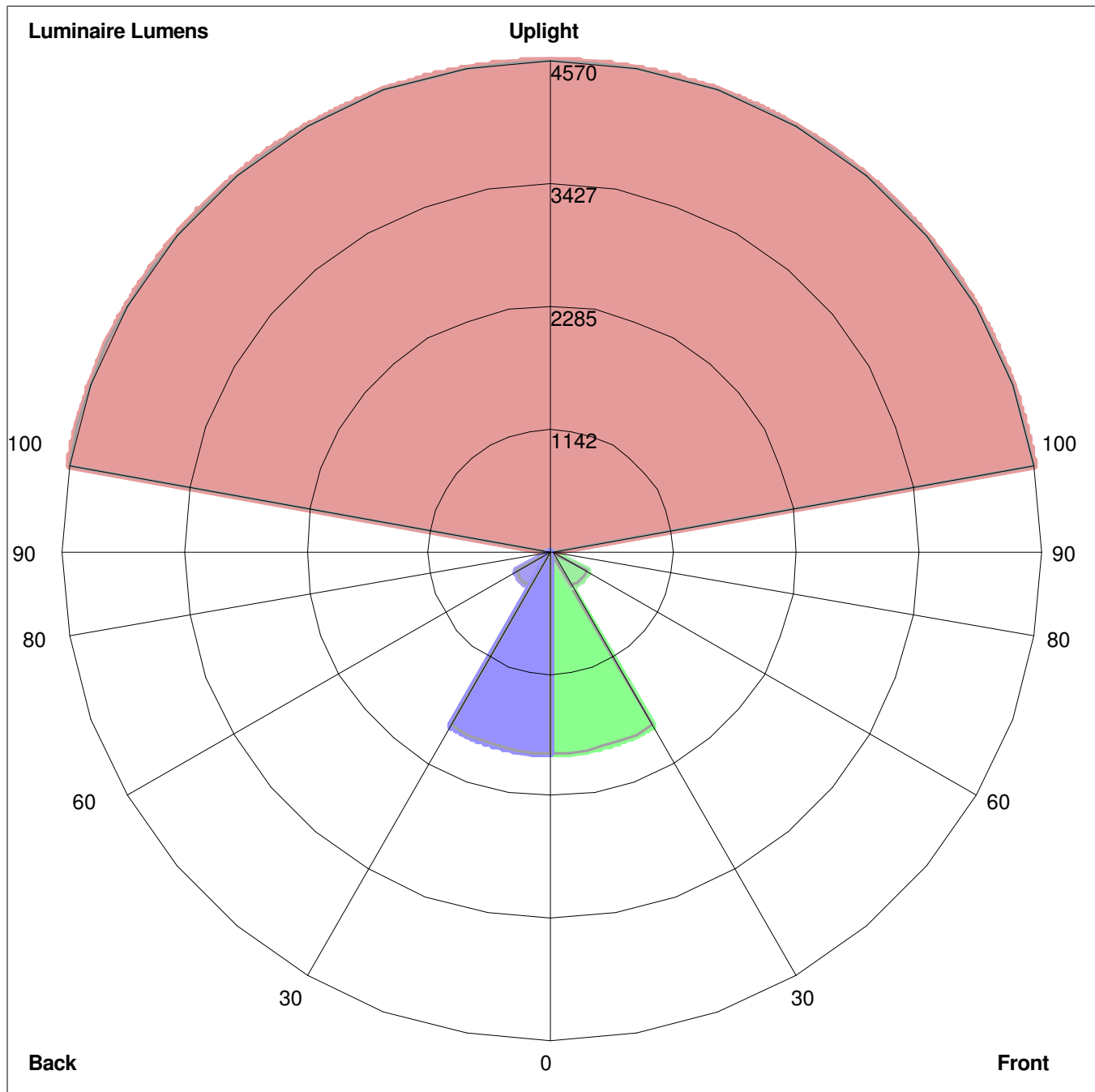
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1880.8, Medium=379.8, High=24.3, Very High=1.6
Back: Low=1880.8, Medium=379.8, High=24.3, Very High=1.6
Uplight: Low=3.1, High=4569.8

BUG Rating : B3-U5-G0