

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-940U-L50-940D-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-L50-940U-L50-940D-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	9053
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	8931.517
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	8931.517
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.66 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.767 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-940U-L50-940D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1861.6	N.A.	20.6
FM - Front-Medium (30-60)	375.9	N.A.	4.2
FH - Front-High (60-80)	24.0	N.A.	0.3
FVH - Front-Very High (80-90)	1.6	N.A.	0.0
BL - Back-Low (0-30)	1861.6	N.A.	20.6
BM - Back-Medium (30-60)	375.9	N.A.	4.2
BH - Back-High (60-80)	24.0	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)	4523.1	N.A.	50.0
Total	9052.4	N.A.	100.0
BUG Rating	B3-U5-G0		

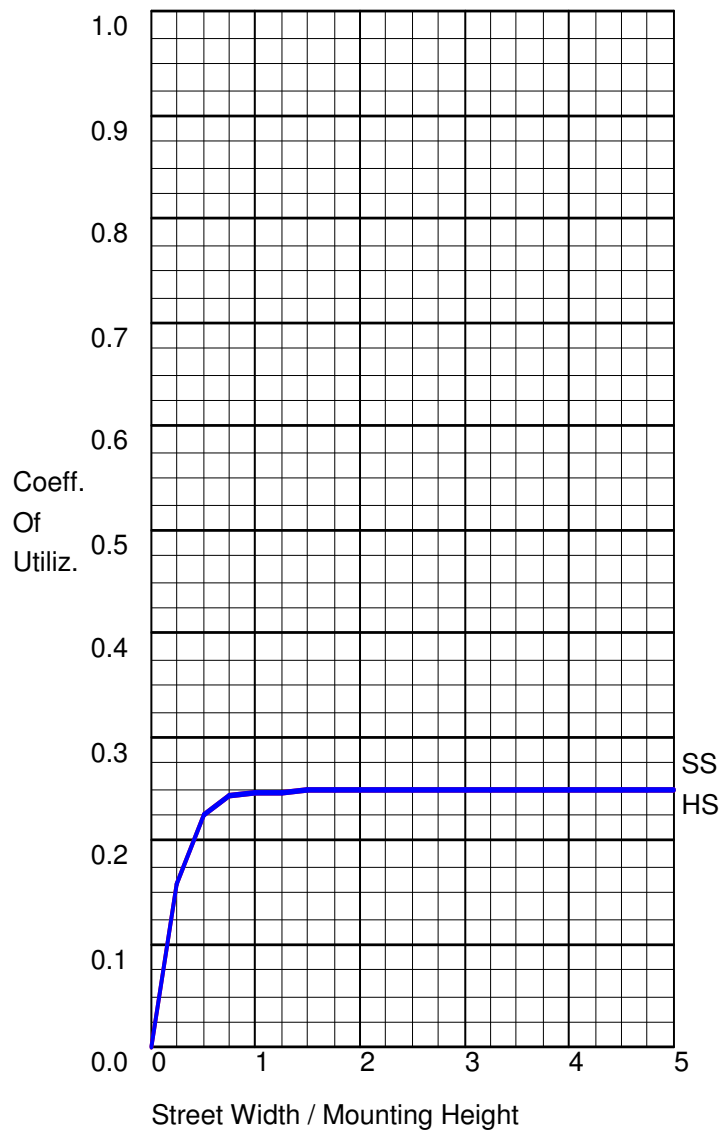
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CANDELA TABULATION

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	8440.724	8440.724	8440.724	8440.724	8440.724	8440.724	8440.724	8440.724	8440.724
5	8132.067	8591.956	8931.517	8591.956	8132.067	8591.956	8931.517	8591.956	8132.067
10	7287.110	7919.208	8259.174	7919.208	7287.110	7919.208	8259.174	7919.208	7287.110
15	5789.692	6060.099	6150.694	6060.099	5789.692	6060.099	6150.694	6060.099	5789.692
20	3994.668	4068.950	4055.905	4068.950	3994.668	4068.950	4055.905	4068.950	3994.668
25	2711.399	2708.205	2694.620	2708.205	2711.399	2708.205	2694.620	2708.205	2711.399
30	1864.597	1818.685	1795.174	1818.685	1864.597	1818.685	1795.174	1818.685	1864.597
35	849.935	859.517	891.154	859.517	849.935	859.517	891.154	859.517	849.935
40	240.988	265.549	283.542	265.549	240.988	265.549	283.542	265.549	240.988
45	122.533	125.262	125.577	125.262	122.533	125.262	125.577	125.262	122.533
50	81.449	82.753	83.188	82.753	81.449	82.753	83.188	82.753	81.449
55	57.143	58.013	58.388	58.013	57.143	58.013	58.388	58.013	57.143
60	41.849	42.224	42.299	42.224	41.849	42.224	42.299	42.224	41.849
65	31.848	31.908	31.713	31.908	31.848	31.908	31.713	31.908	31.848
70	23.361	23.256	22.986	23.256	23.361	23.256	22.986	23.256	23.361
75	15.249	15.099	14.919	15.099	15.249	15.099	14.919	15.099	15.249
80	7.767	7.767	7.752	7.767	7.767	7.767	7.752	7.767	7.767
85	1.529	1.529	1.469	1.529	1.529	1.529	1.469	1.529	1.529
90	0.570	0.660	0.660	0.660	0.570	0.660	0.660	0.660	0.570
95	1.529	1.529	1.469	1.529	1.529	1.529	1.469	1.529	1.529
100	7.767	7.767	7.752	7.767	7.767	7.767	7.752	7.767	7.767
105	15.249	15.099	14.919	15.099	15.249	15.099	14.919	15.099	15.249
110	23.361	23.256	22.986	23.256	23.361	23.256	22.986	23.256	23.361
115	31.848	31.908	31.713	31.908	31.848	31.908	31.713	31.908	31.848
120	41.849	42.224	42.299	42.224	41.849	42.224	42.299	42.224	41.849
125	57.143	58.013	58.388	58.013	57.143	58.013	58.388	58.013	57.143
130	81.449	82.753	83.188	82.753	81.449	82.753	83.188	82.753	81.449
135	122.533	125.262	125.577	125.262	122.533	125.262	125.577	125.262	122.533
140	240.988	265.549	283.542	265.549	240.988	265.549	283.542	265.549	240.988
145	849.935	859.517	891.154	859.517	849.935	859.517	891.154	859.517	849.935
150	1864.597	1818.685	1795.174	1818.685	1864.597	1818.685	1795.174	1818.685	1864.597
155	2711.399	2708.205	2694.620	2708.205	2711.399	2708.205	2694.620	2708.205	2711.399
160	3994.668	4068.950	4055.905	4068.950	3994.668	4068.950	4055.905	4068.950	3994.668
165	5789.692	6060.099	6150.694	6060.099	5789.692	6060.099	6150.694	6060.099	5789.692
170	7287.110	7919.208	8259.174	7919.208	7287.110	7919.208	8259.174	7919.208	7287.110
175	8132.067	8591.956	8931.517	8591.956	8132.067	8591.956	8931.517	8591.956	8132.067
180	8440.274	8440.274	8440.274	8440.274	8440.274	8440.274	8440.274	8440.274	8440.274

COEFFICIENTS OF UTILIZATION



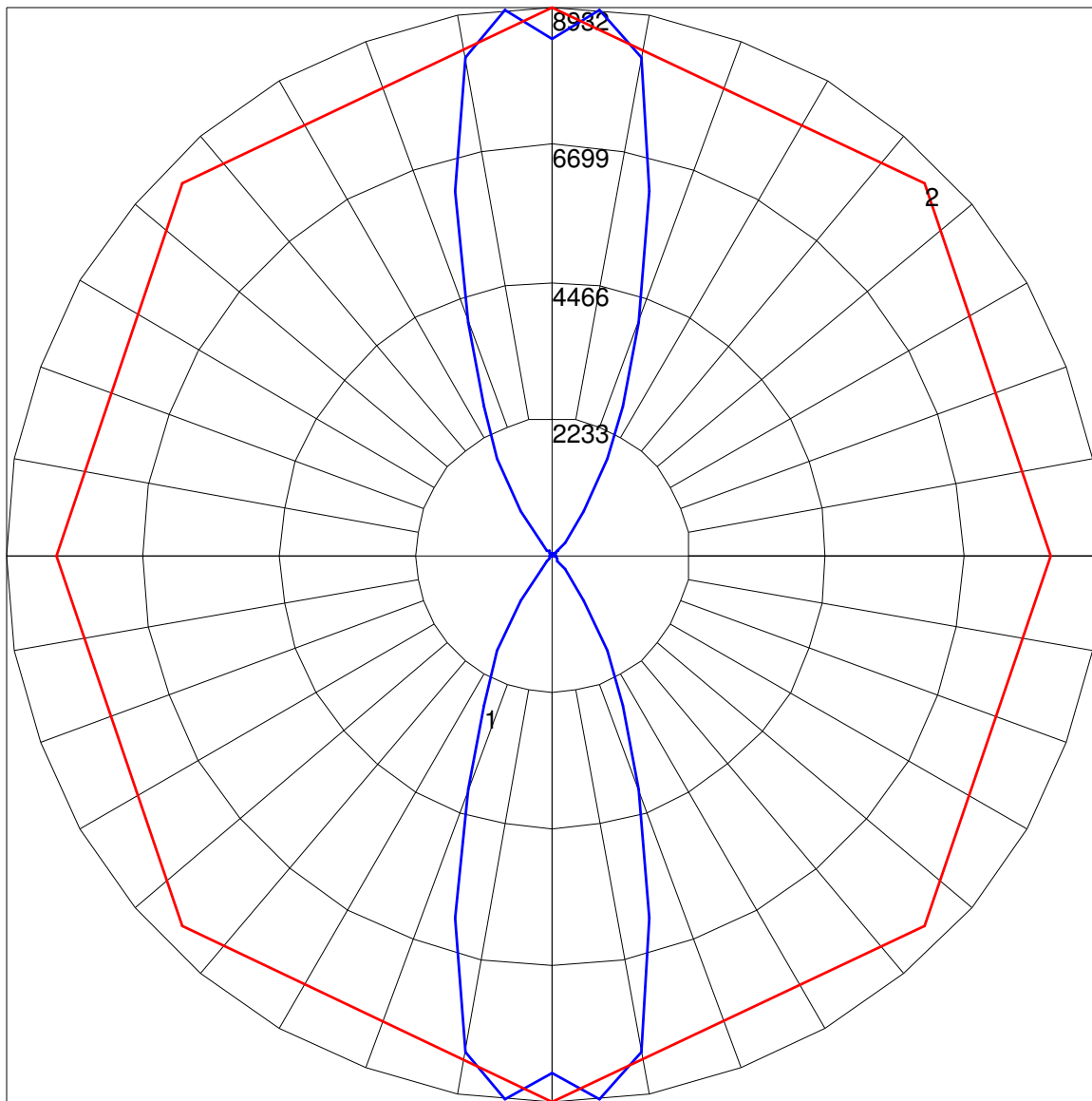
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2263.1	25.0
Downward House Side	2263.1	25.0
Downward Total	4526.2	50.0
Upward Street Side	2263.1	25.0
Upward House Side	2263.1	25.0
Upward Total	4526.2	50.0
Total Flux	9052.4	100.0

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POLAR GRAPH



Maximum Candela = 8931.517 Located At Horizontal Angle = 270, Vertical Angle = 175

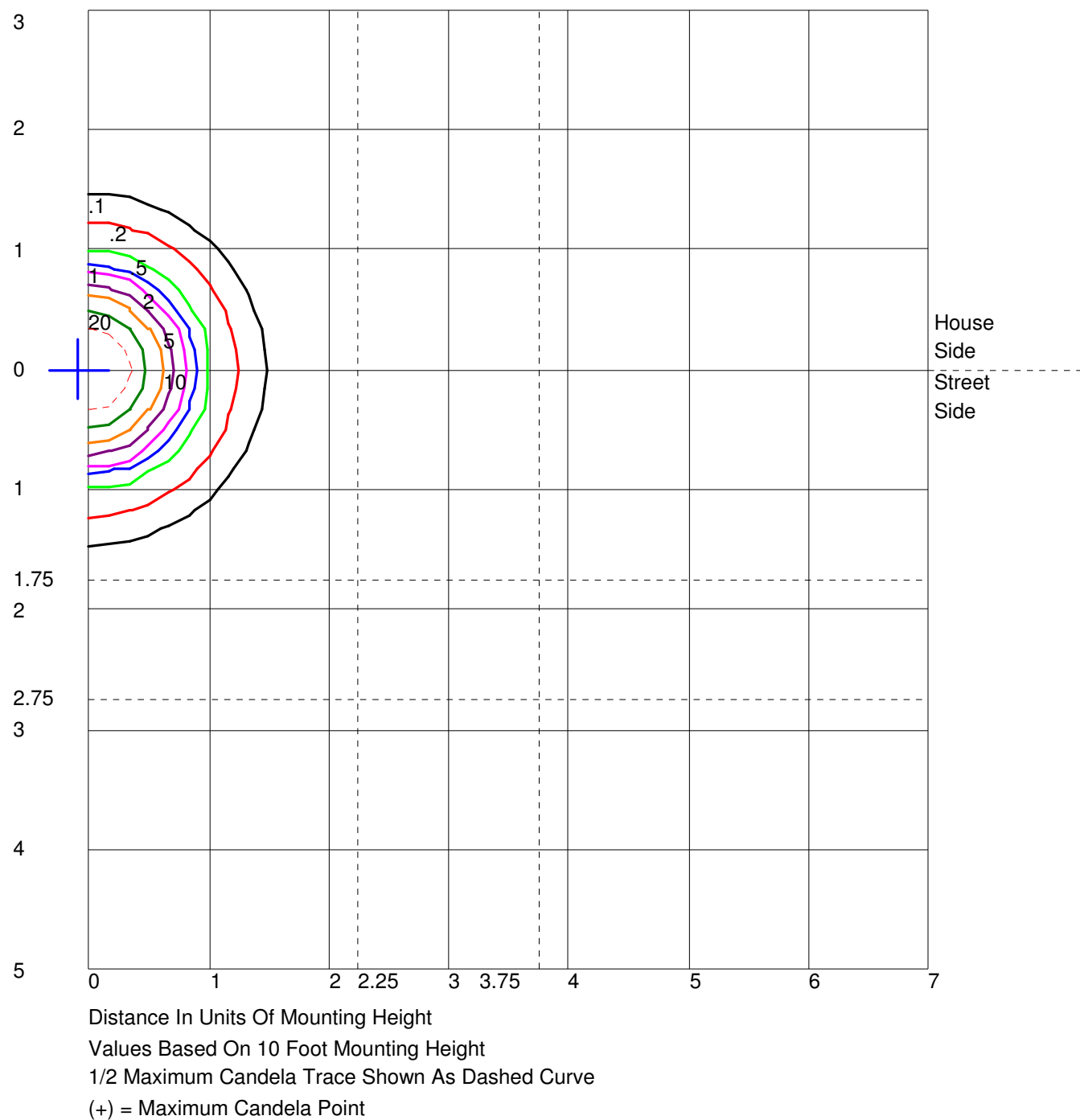
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

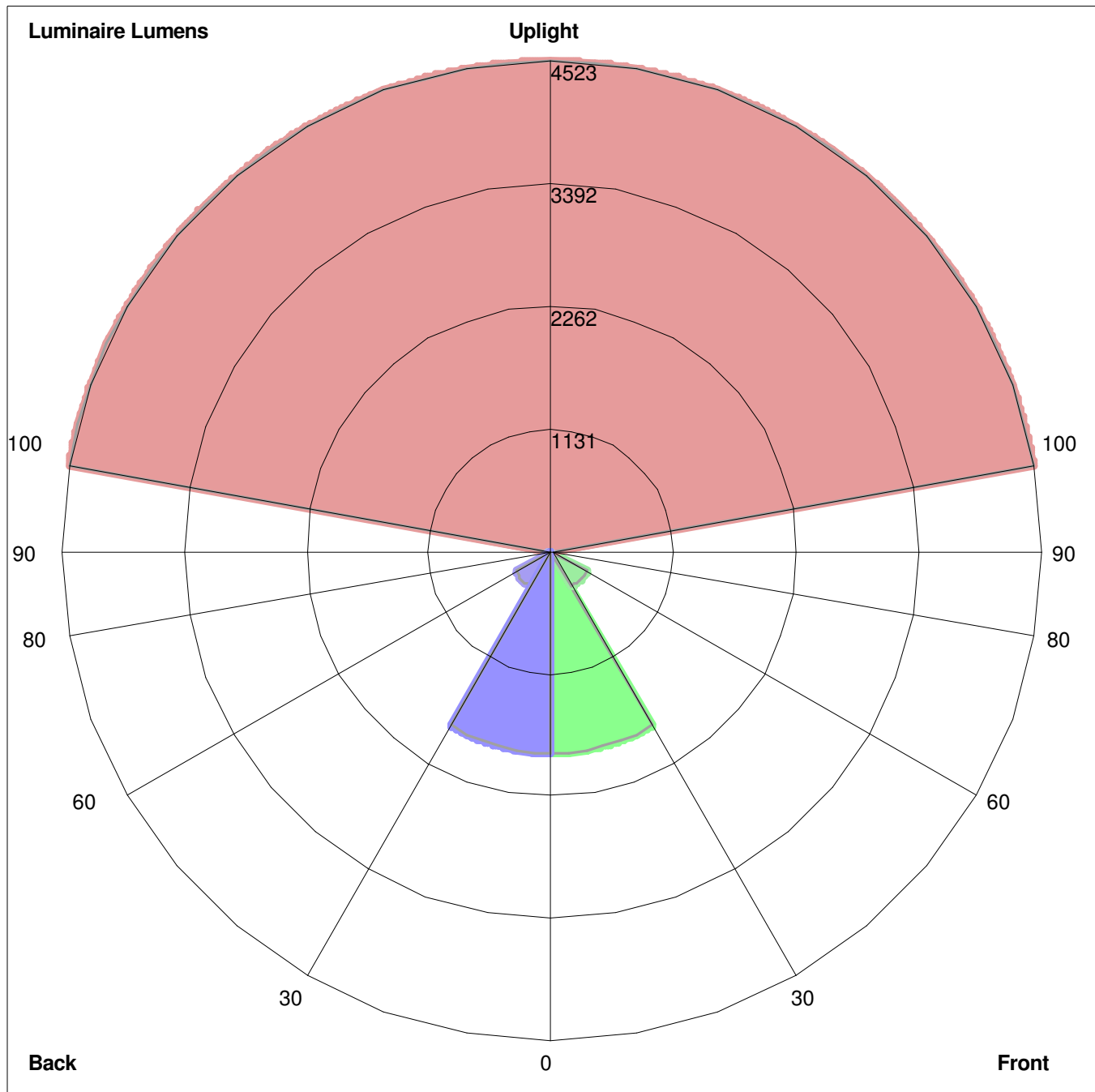
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1861.6, Medium=375.9, High=24.0, Very High=1.6
Back: Low=1861.6, Medium=375.9, High=24.0, Very High=1.6
Uplight: Low=3.1, High=4523.1

BUG Rating : B3-U5-G0