

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-830U-L50-830D-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-L50-830U-L50-830D-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	9332
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	9207.749
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	9207.749
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.68 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8.007 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-830U-L50-830D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1919.2	N.A.	20.6
FM - Front-Medium (30-60)	387.5	N.A.	4.2
FH - Front-High (60-80)	24.8	N.A.	0.3
FVH - Front-Very High (80-90)	1.6	N.A.	0.0
BL - Back-Low (0-30)	1919.2	N.A.	20.6
BM - Back-Medium (30-60)	387.5	N.A.	4.2
BH - Back-High (60-80)	24.8	N.A.	0.3
BVH - Back-Very High (80-90)	1.6	N.A.	0.0
UL - Uplight-Low (90-100)	3.2	N.A.	0.0
UH - Uplight-High (100-180)	4663.0	N.A.	50.0
Total	9332.4	N.A.	100.0
BUG Rating	B3-U5-G0		

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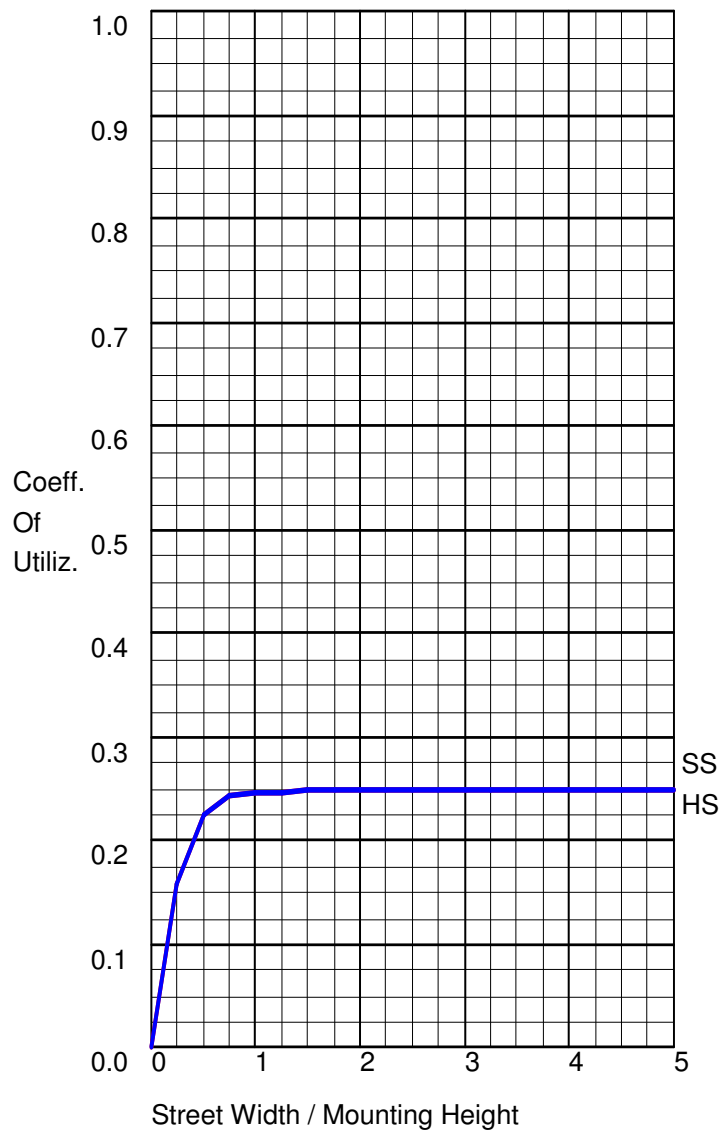
CANDELA TABULATION

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	8701.778	8701.778	8701.778	8701.778	8701.778	8701.778	8701.778	8701.778	8701.778
5	8383.575	8857.687	9207.749	8857.687	8383.575	8857.687	9207.749	8857.687	8383.575
10	7512.485	8164.133	8514.612	8164.133	7512.485	8164.133	8514.612	8164.133	7512.485
15	5968.755	6247.525	6340.922	6247.525	5968.755	6247.525	6340.922	6247.525	5968.755
20	4118.215	4194.794	4181.345	4194.794	4118.215	4194.794	4181.345	4194.794	4118.215
25	2795.257	2791.964	2777.959	2791.964	2795.257	2791.964	2777.959	2791.964	2795.257
30	1922.265	1874.933	1850.695	1874.933	1922.265	1874.933	1850.695	1874.933	1922.265
35	876.222	886.100	918.716	886.100	876.222	886.100	918.716	886.100	876.222
40	248.441	273.761	292.311	273.761	248.441	273.761	292.311	273.761	248.441
45	126.323	129.136	129.461	129.136	126.323	129.136	129.461	129.136	126.323
50	83.968	85.313	85.761	85.313	83.968	85.313	85.761	85.313	83.968
55	58.910	59.807	60.193	59.807	58.910	59.807	60.193	59.807	58.910
60	43.143	43.530	43.607	43.530	43.143	43.530	43.607	43.530	43.143
65	32.833	32.895	32.694	32.895	32.833	32.895	32.694	32.895	32.833
70	24.084	23.975	23.697	23.975	24.084	23.975	23.697	23.975	24.084
75	15.721	15.566	15.381	15.566	15.721	15.566	15.381	15.566	15.721
80	8.007	8.007	7.992	8.007	8.007	8.007	7.992	8.007	8.007
85	1.577	1.577	1.515	1.577	1.577	1.577	1.515	1.577	1.577
90	0.587	0.680	0.680	0.680	0.587	0.680	0.680	0.680	0.587
95	1.577	1.577	1.515	1.577	1.577	1.577	1.515	1.577	1.577
100	8.007	8.007	7.992	8.007	8.007	8.007	7.992	8.007	8.007
105	15.721	15.566	15.381	15.566	15.721	15.566	15.381	15.566	15.721
110	24.084	23.975	23.697	23.975	24.084	23.975	23.697	23.975	24.084
115	32.833	32.895	32.694	32.895	32.833	32.895	32.694	32.895	32.833
120	43.143	43.530	43.607	43.530	43.143	43.530	43.607	43.530	43.143
125	58.910	59.807	60.193	59.807	58.910	59.807	60.193	59.807	58.910
130	83.968	85.313	85.761	85.313	83.968	85.313	85.761	85.313	83.968
135	126.323	129.136	129.461	129.136	126.323	129.136	129.461	129.136	126.323
140	248.441	273.761	292.311	273.761	248.441	273.761	292.311	273.761	248.441
145	876.222	886.100	918.716	886.100	876.222	886.100	918.716	886.100	876.222
150	1922.265	1874.933	1850.695	1874.933	1922.265	1874.933	1850.695	1874.933	1922.265
155	2795.257	2791.964	2777.959	2791.964	2795.257	2791.964	2777.959	2791.964	2795.257
160	4118.215	4194.794	4181.345	4194.794	4118.215	4194.794	4181.345	4194.794	4118.215
165	5968.755	6247.525	6340.922	6247.525	5968.755	6247.525	6340.922	6247.525	5968.755
170	7512.485	8164.133	8514.612	8164.133	7512.485	8164.133	8514.612	8164.133	7512.485
175	8383.575	8857.687	9207.749	8857.687	8383.575	8857.687	9207.749	8857.687	8383.575
180	8701.314	8701.314	8701.314	8701.314	8701.314	8701.314	8701.314	8701.314	8701.314

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COEFFICIENTS OF UTILIZATION



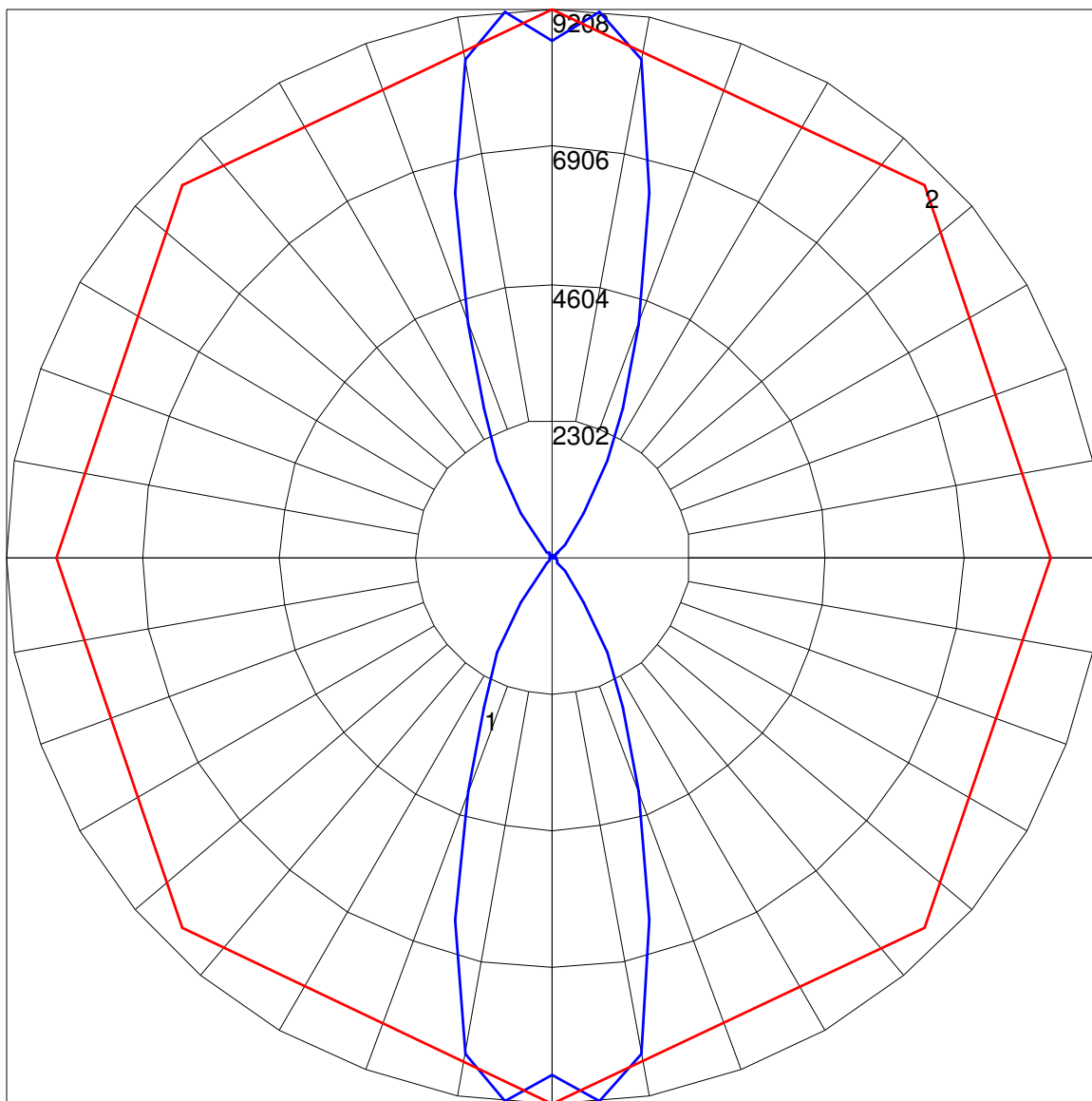
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2333.1	25.0
Downward House Side	2333.1	25.0
Downward Total	4666.2	50.0
Upward Street Side	2333.1	25.0
Upward House Side	2333.1	25.0
Upward Total	4666.2	50.0
Total Flux	9332.4	100.0

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POLAR GRAPH



Maximum Candela = 9207.749 Located At Horizontal Angle = 270, Vertical Angle = 175

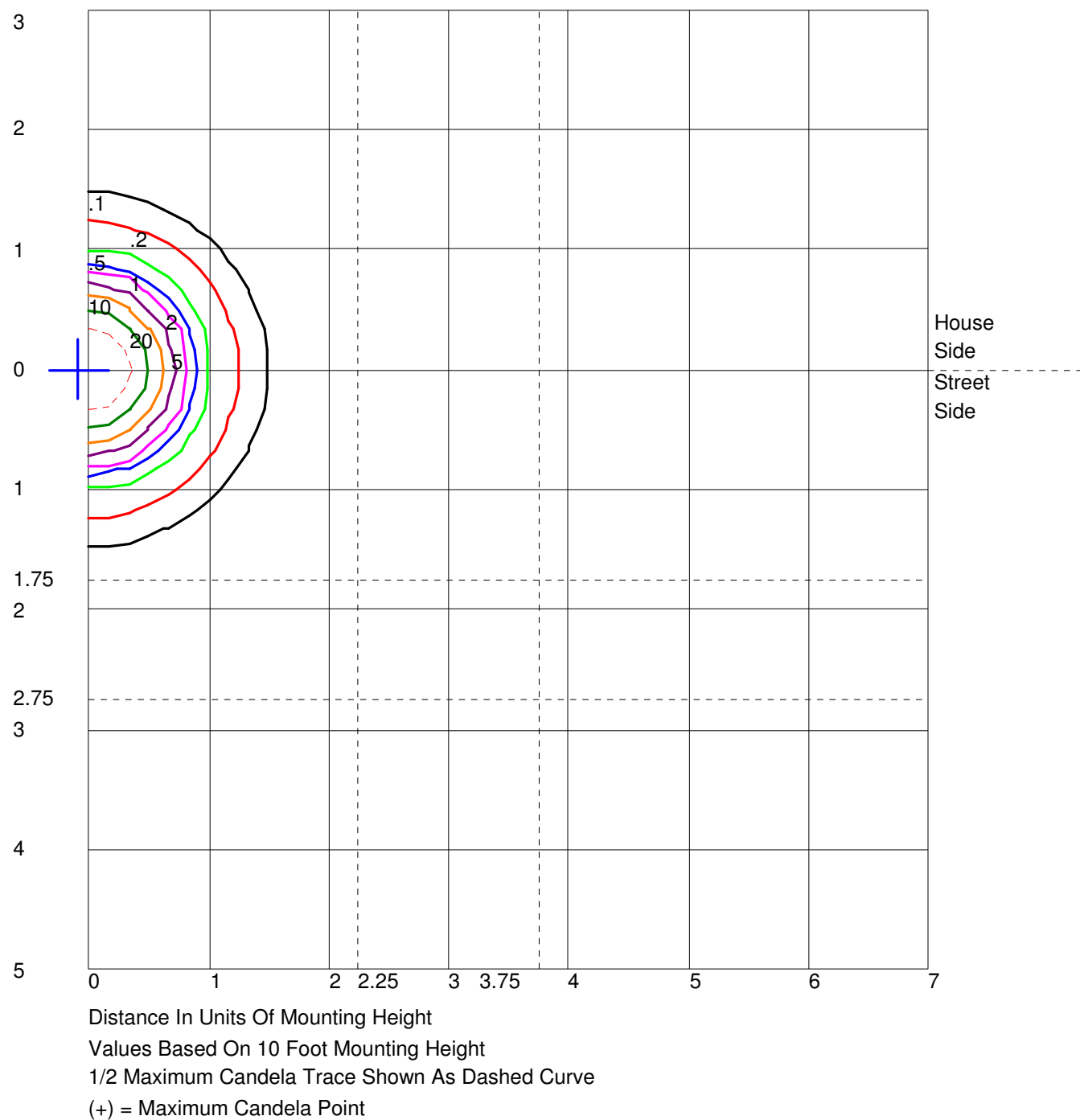
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

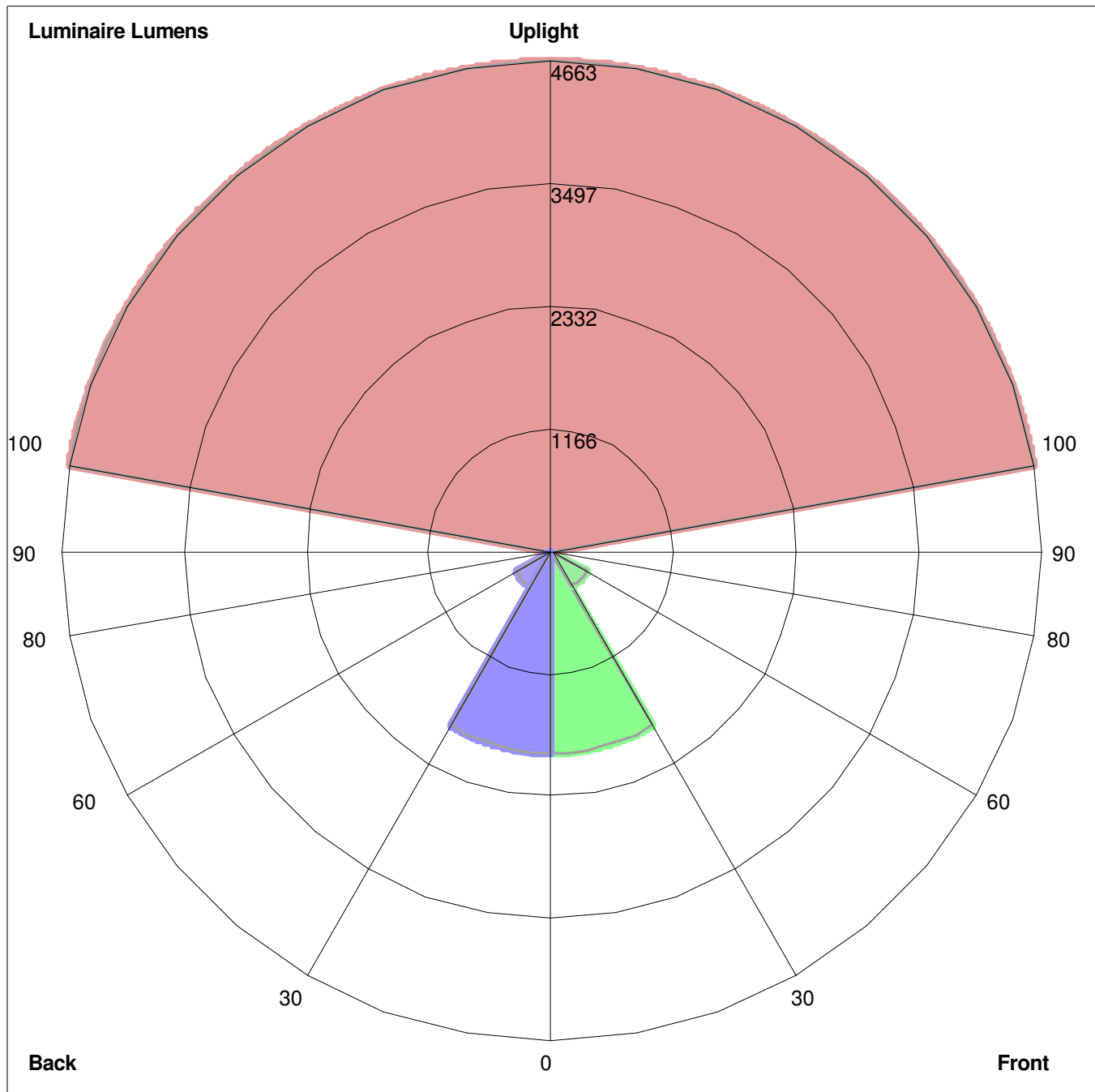
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1919.2, Medium=387.5, High=24.8, Very High=1.6
Back: Low=1919.2, Medium=387.5, High=24.8, Very High=1.6
Uplight: Low=3.2, High= 4663.0

BUG Rating : B3-U5-G0