

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-840U-L50-840D-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-L50-840U-L50-840D-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	9426
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	9299.827
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	9299.827
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.687 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8.087 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-840U-L50-840D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1938.4	N.A.	20.6
FM - Front-Medium (30-60)	391.4	N.A.	4.2
FH - Front-High (60-80)	25.0	N.A.	0.3
FVH - Front-Very High (80-90)	1.6	N.A.	0.0
BL - Back-Low (0-30)	1938.4	N.A.	20.6
BM - Back-Medium (30-60)	391.4	N.A.	4.2
BH - Back-High (60-80)	25.0	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)	4709.7	N.A.	50.0
Total	9425.7	N.A.	100.0
BUG Rating	B3-U5-G0		

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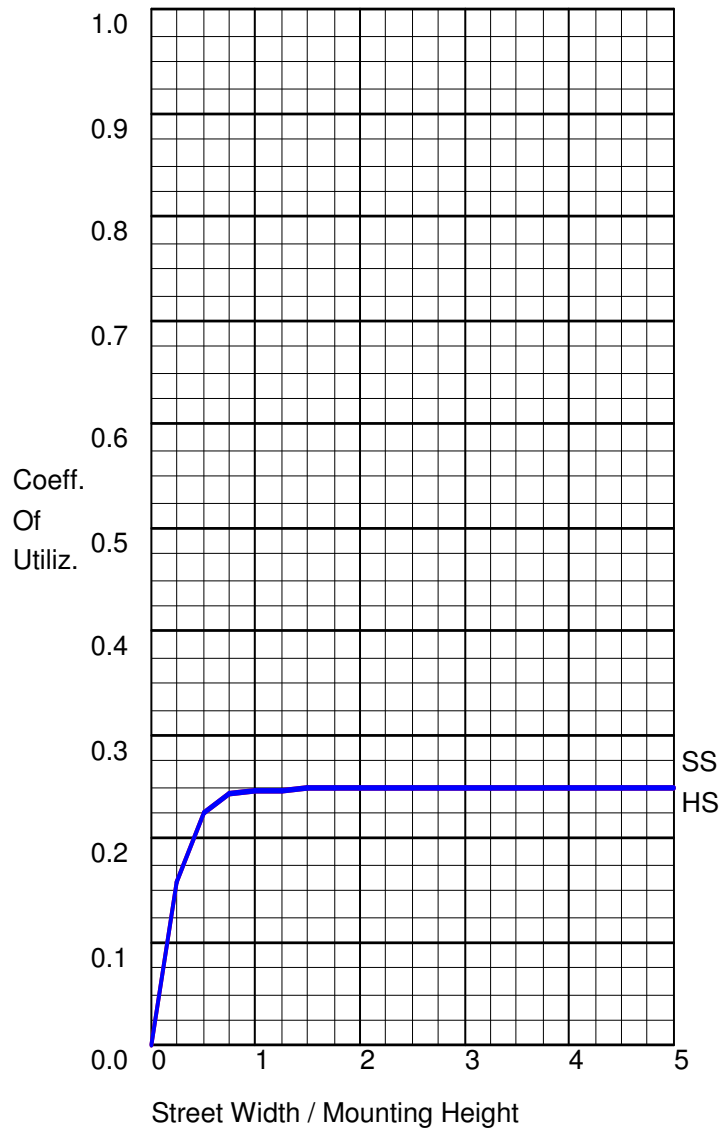
CANDELA TABULATION

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	8788.795	8788.795	8788.795	8788.795	8788.795	8788.795	8788.795	8788.795	8788.795
5	8467.410	8946.264	9299.827	8946.264	8467.410	8946.264	9299.827	8946.264	8467.410
10	7587.610	8245.774	8599.758	8245.774	7587.610	8245.774	8599.758	8245.774	7587.610
15	6028.443	6310.000	6404.331	6310.000	6028.443	6310.000	6404.331	6310.000	6028.443
20	4159.397	4236.742	4223.159	4236.742	4159.397	4236.742	4223.159	4236.742	4159.397
25	2823.209	2819.884	2805.739	2819.884	2823.209	2819.884	2805.739	2819.884	2823.209
30	1941.488	1893.682	1869.202	1893.682	1941.488	1893.682	1869.202	1893.682	1941.488
35	884.984	894.961	927.903	894.961	884.984	894.961	927.903	894.961	884.984
40	250.926	276.499	295.234	276.499	250.926	276.499	295.234	276.499	250.926
45	127.586	130.428	130.755	130.428	127.586	130.428	130.755	130.428	127.586
50	84.808	86.166	86.619	86.166	84.808	86.166	86.619	86.166	84.808
55	59.500	60.405	60.795	60.405	59.500	60.405	60.795	60.405	59.500
60	43.575	43.965	44.043	43.965	43.575	43.965	44.043	43.965	43.575
65	33.161	33.224	33.021	33.224	33.161	33.224	33.021	33.224	33.161
70	24.324	24.215	23.934	24.215	24.324	24.215	23.934	24.215	24.324
75	15.878	15.722	15.535	15.722	15.878	15.722	15.535	15.722	15.878
80	8.087	8.087	8.072	8.087	8.087	8.087	8.072	8.087	8.087
85	1.592	1.592	1.530	1.592	1.592	1.592	1.530	1.592	1.592
90	0.593	0.687	0.687	0.687	0.593	0.687	0.687	0.687	0.593
95	1.592	1.592	1.530	1.592	1.592	1.592	1.530	1.592	1.592
100	8.087	8.087	8.072	8.087	8.087	8.087	8.072	8.087	8.087
105	15.878	15.722	15.535	15.722	15.878	15.722	15.535	15.722	15.878
110	24.324	24.215	23.934	24.215	24.324	24.215	23.934	24.215	24.324
115	33.161	33.224	33.021	33.224	33.161	33.224	33.021	33.224	33.161
120	43.575	43.965	44.043	43.965	43.575	43.965	44.043	43.965	43.575
125	59.500	60.405	60.795	60.405	59.500	60.405	60.795	60.405	59.500
130	84.808	86.166	86.619	86.166	84.808	86.166	86.619	86.166	84.808
135	127.586	130.428	130.755	130.428	127.586	130.428	130.755	130.428	127.586
140	250.926	276.499	295.234	276.499	250.926	276.499	295.234	276.499	250.926
145	884.984	894.961	927.903	894.961	884.984	894.961	927.903	894.961	884.984
150	1941.488	1893.682	1869.202	1893.682	1941.488	1893.682	1869.202	1893.682	1941.488
155	2823.209	2819.884	2805.739	2819.884	2823.209	2819.884	2805.739	2819.884	2823.209
160	4159.397	4236.742	4223.159	4236.742	4159.397	4236.742	4223.159	4236.742	4159.397
165	6028.443	6310.000	6404.331	6310.000	6028.443	6310.000	6404.331	6310.000	6028.443
170	7587.610	8245.774	8599.758	8245.774	7587.610	8245.774	8599.758	8245.774	7587.610
175	8467.410	8946.264	9299.827	8946.264	8467.410	8946.264	9299.827	8946.264	8467.410
180	8788.327	8788.327	8788.327	8788.327	8788.327	8788.327	8788.327	8788.327	8788.327

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COEFFICIENTS OF UTILIZATION



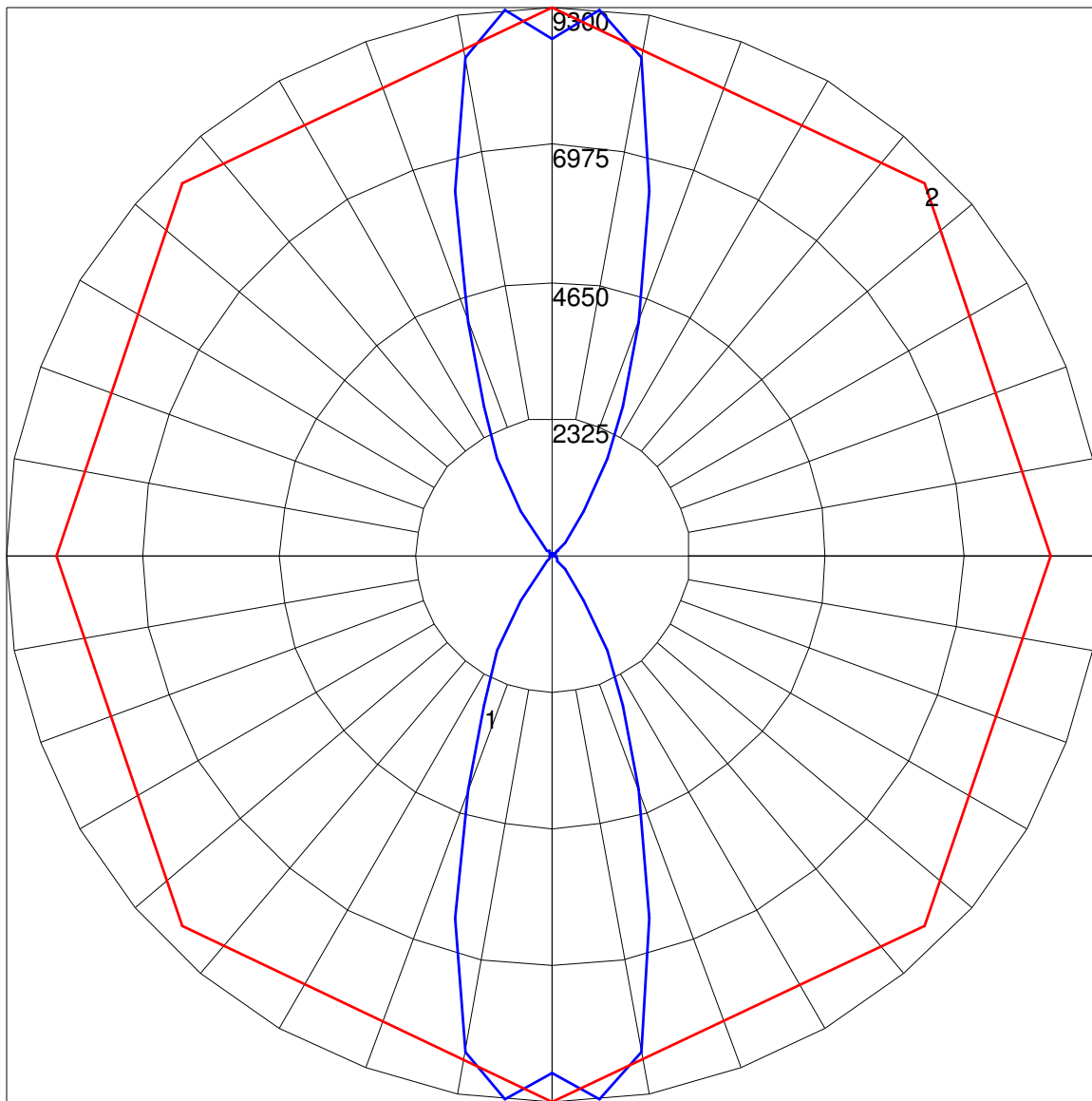
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2356.5	25.0
Downward House Side	2356.5	25.0
Downward Total	4713.0	50.0
Upward Street Side	2356.4	25.0
Upward House Side	2356.4	25.0
Upward Total	4712.8	50.0
Total Flux	9425.8	100.0

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POLAR GRAPH



Maximum Candela = 9299.827 Located At Horizontal Angle = 270, Vertical Angle = 175

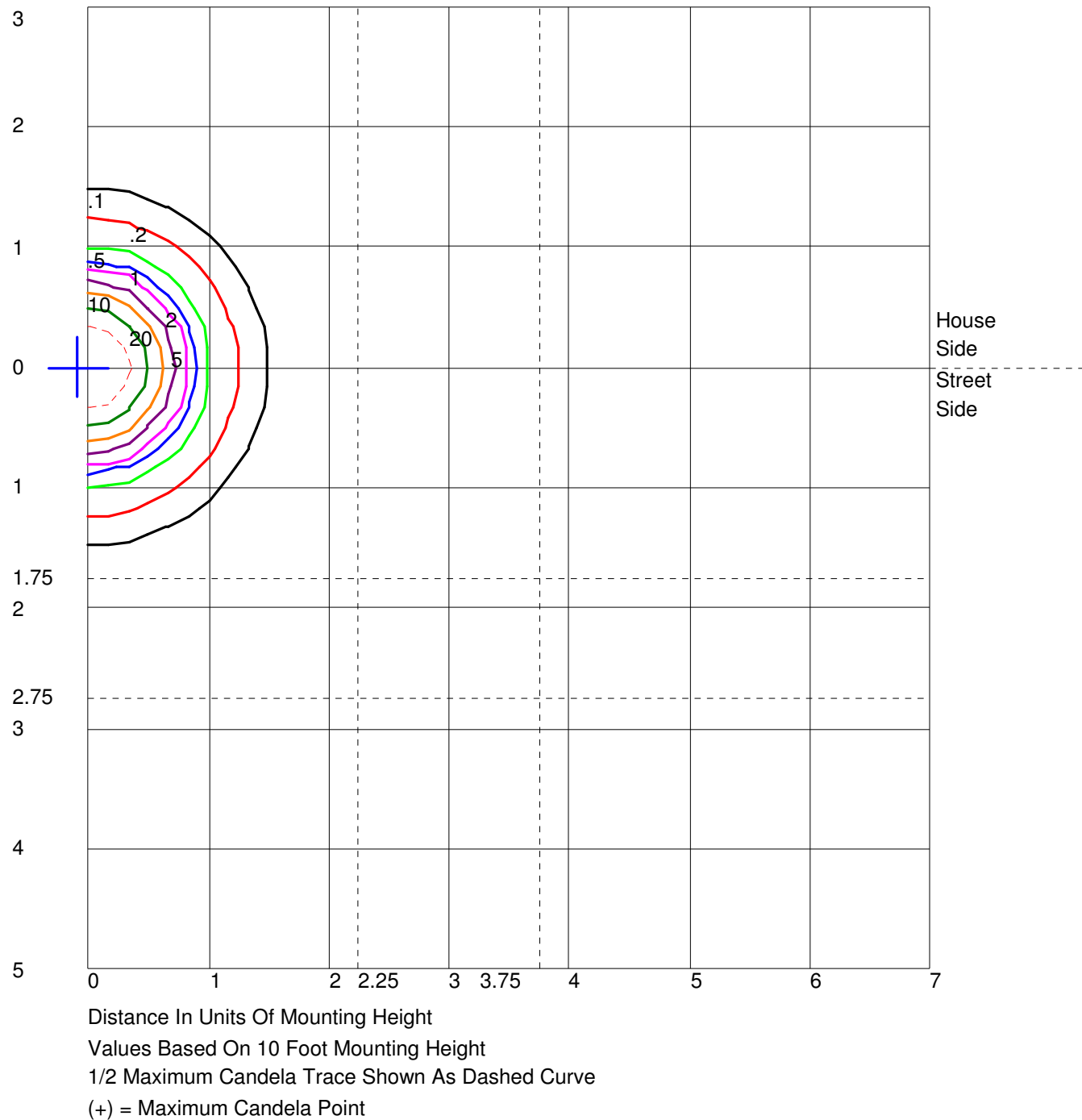
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

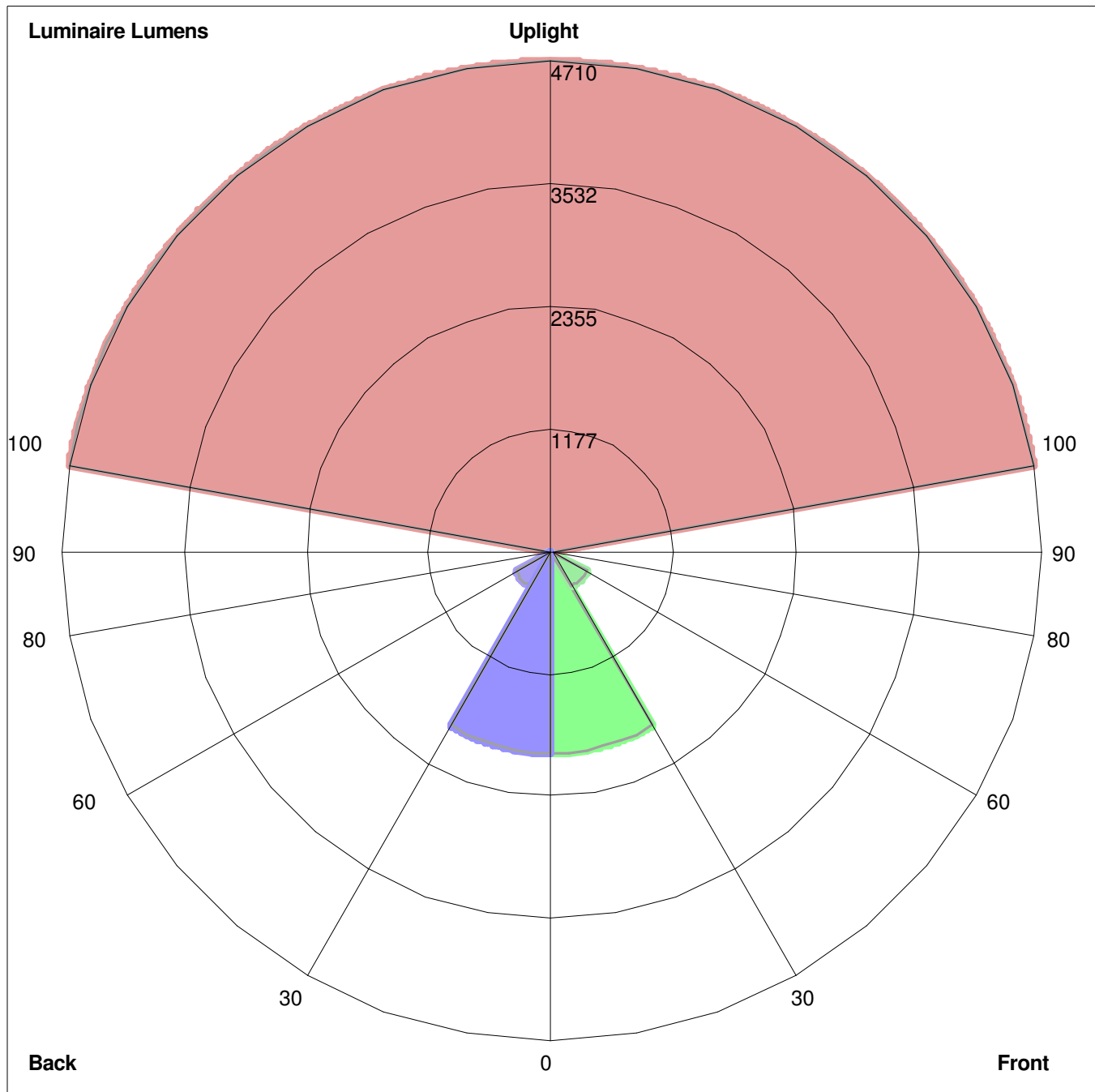
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1938.4, Medium=391.4, High=25.0, Very High=1.6
Back: Low=1938.4, Medium=391.4, High=25.0, Very High=1.6
Uplight: Low=3.2, High=4709.7

BUG Rating : B3-U5-G0