

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-850U-L50-850D-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-L50-850U-L50-850D-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	9239
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	9115.672
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	9115.672
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.673 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.927 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-850U-L50-850D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1900.0	N.A.	20.6
FM - Front-Medium (30-60)	383.7	N.A.	4.2
FH - Front-High (60-80)	24.5	N.A.	0.3
FVH - Front-Very High (80-90)	1.6	N.A.	0.0
BL - Back-Low (0-30)	1900.0	N.A.	20.6
BM - Back-Medium (30-60)	383.7	N.A.	4.2
BH - Back-High (60-80)	24.5	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)	4616.4	N.A.	50.0
Total	9239.2	N.A.	100.0
BUG Rating	B3-U5-G0		

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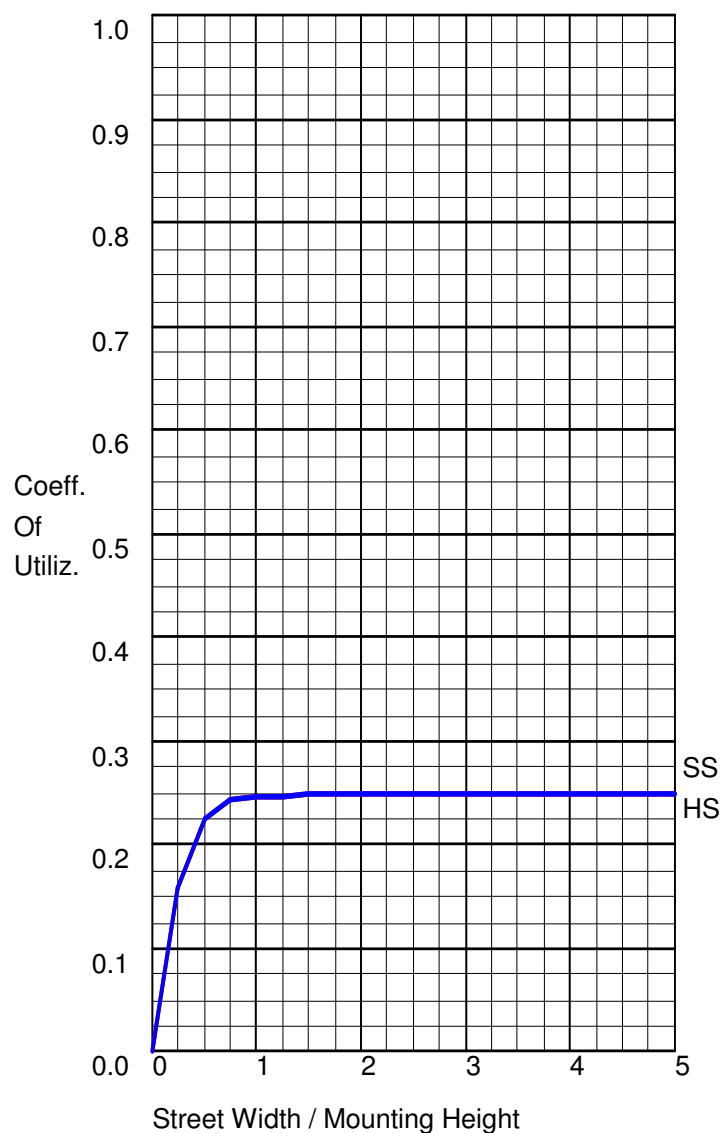
CANDELA TABULATION

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	8614.760	8614.760	8614.760	8614.760	8614.760	8614.760	8614.760	8614.760	8614.760
5	8299.739	8769.111	9115.672	8769.111	8299.739	8769.111	9115.672	8769.111	8299.739
10	7437.360	8082.492	8429.466	8082.492	7437.360	8082.492	8429.466	8082.492	7437.360
15	5909.068	6185.050	6277.513	6185.050	5909.068	6185.050	6277.513	6185.050	5909.068
20	4077.033	4152.846	4139.532	4152.846	4077.033	4152.846	4139.532	4152.846	4077.033
25	2767.304	2764.044	2750.180	2764.044	2767.304	2764.044	2750.180	2764.044	2767.304
30	1903.043	1856.184	1832.188	1856.184	1903.043	1856.184	1832.188	1856.184	1903.043
35	867.460	877.239	909.529	877.239	867.460	877.239	909.529	877.239	867.460
40	245.957	271.024	289.388	271.024	245.957	271.024	289.388	271.024	245.957
45	125.060	127.845	128.166	127.845	125.060	127.845	128.166	127.845	125.060
50	83.128	84.460	84.903	84.460	83.128	84.460	84.903	84.460	83.128
55	58.321	59.209	59.592	59.209	58.321	59.209	59.592	59.209	58.321
60	42.712	43.094	43.171	43.094	42.712	43.094	43.171	43.094	42.712
65	32.504	32.566	32.367	32.566	32.504	32.566	32.367	32.566	32.504
70	23.843	23.736	23.460	23.736	23.843	23.736	23.460	23.736	23.843
75	15.564	15.411	15.227	15.411	15.564	15.411	15.227	15.411	15.564
80	7.927	7.927	7.912	7.927	7.927	7.927	7.912	7.927	7.927
85	1.561	1.561	1.500	1.561	1.561	1.561	1.500	1.561	1.561
90	0.582	0.673	0.673	0.673	0.582	0.673	0.673	0.673	0.582
95	1.561	1.561	1.500	1.561	1.561	1.561	1.500	1.561	1.561
100	7.927	7.927	7.912	7.927	7.927	7.927	7.912	7.927	7.927
105	15.564	15.411	15.227	15.411	15.564	15.411	15.227	15.411	15.564
110	23.843	23.736	23.460	23.736	23.843	23.736	23.460	23.736	23.843
115	32.504	32.566	32.367	32.566	32.504	32.566	32.367	32.566	32.504
120	42.712	43.094	43.171	43.094	42.712	43.094	43.171	43.094	42.712
125	58.321	59.209	59.592	59.209	58.321	59.209	59.592	59.209	58.321
130	83.128	84.460	84.903	84.460	83.128	84.460	84.903	84.460	83.128
135	125.060	127.845	128.166	127.845	125.060	127.845	128.166	127.845	125.060
140	245.957	271.024	289.388	271.024	245.957	271.024	289.388	271.024	245.957
145	867.460	877.239	909.529	877.239	867.460	877.239	909.529	877.239	867.460
150	1903.043	1856.184	1832.188	1856.184	1903.043	1856.184	1832.188	1856.184	1903.043
155	2767.304	2764.044	2750.180	2764.044	2767.304	2764.044	2750.180	2764.044	2767.304
160	4077.033	4152.846	4139.532	4152.846	4077.033	4152.846	4139.532	4152.846	4077.033
165	5909.068	6185.050	6277.513	6185.050	5909.068	6185.050	6277.513	6185.050	5909.068
170	7437.360	8082.492	8429.466	8082.492	7437.360	8082.492	8429.466	8082.492	7437.360
175	8299.739	8769.111	9115.672	8769.111	8299.739	8769.111	9115.672	8769.111	8299.739
180	8614.301	8614.301	8614.301	8614.301	8614.301	8614.301	8614.301	8614.301	8614.301

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COEFFICIENTS OF UTILIZATION



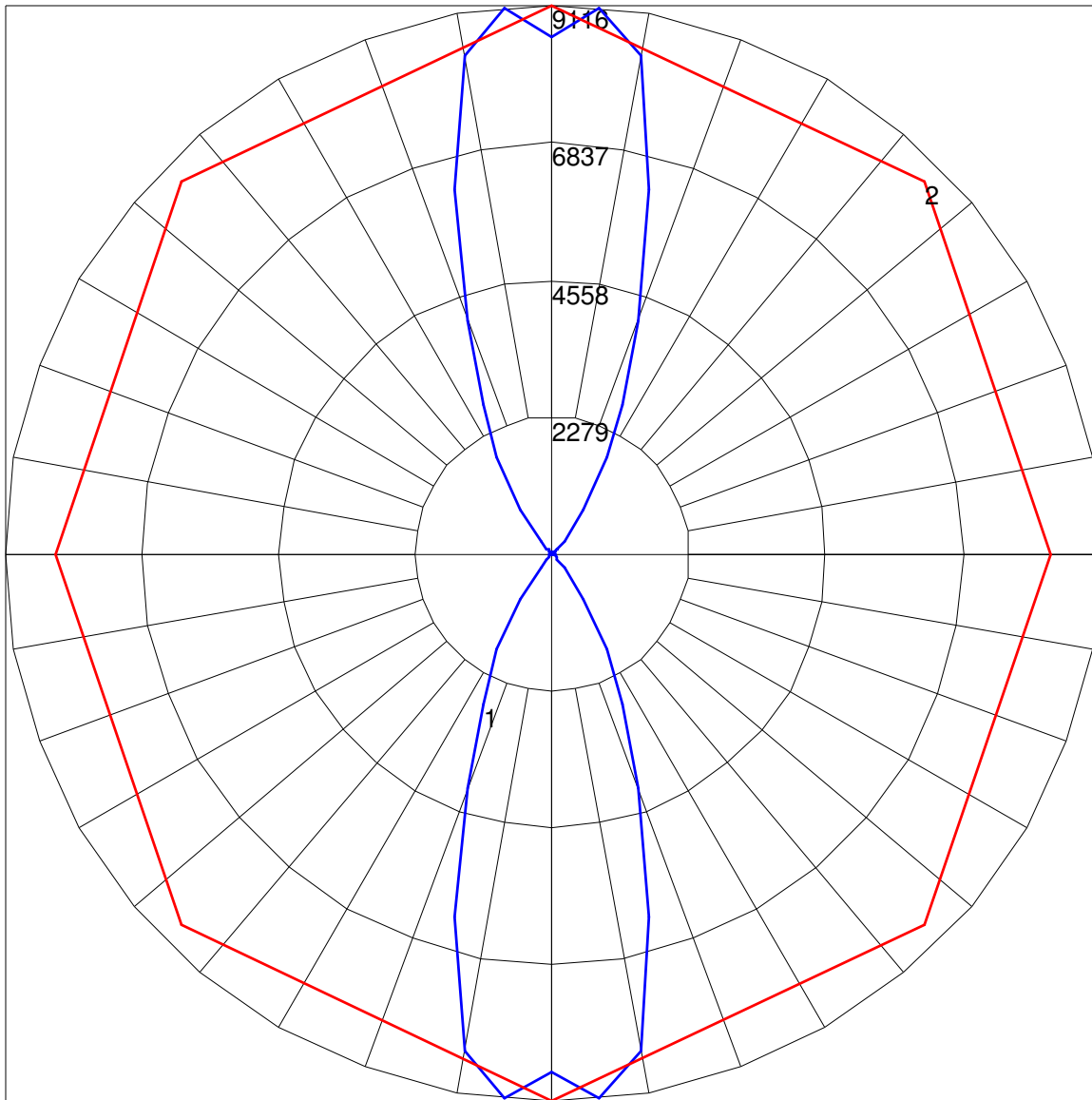
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2309.8	25.0
Downward House Side	2309.8	25.0
Downward Total	4619.6	50.0
Upward Street Side	2309.8	25.0
Upward House Side	2309.8	25.0
Upward Total	4619.6	50.0
Total Flux	9239.2	100.0

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POLAR GRAPH



Maximum Candela = 9115.672 Located At Horizontal Angle = 270, Vertical Angle = 175

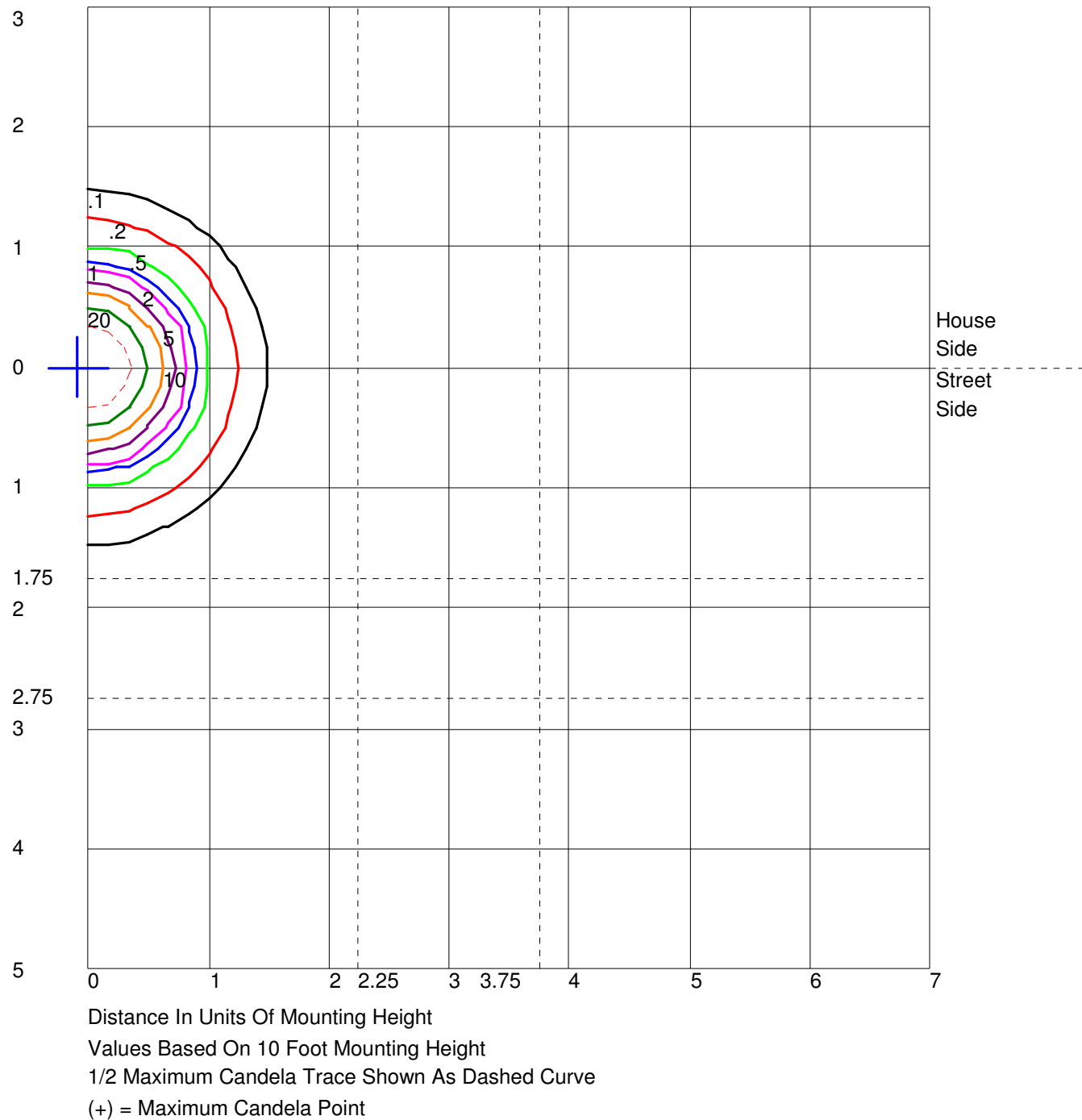
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

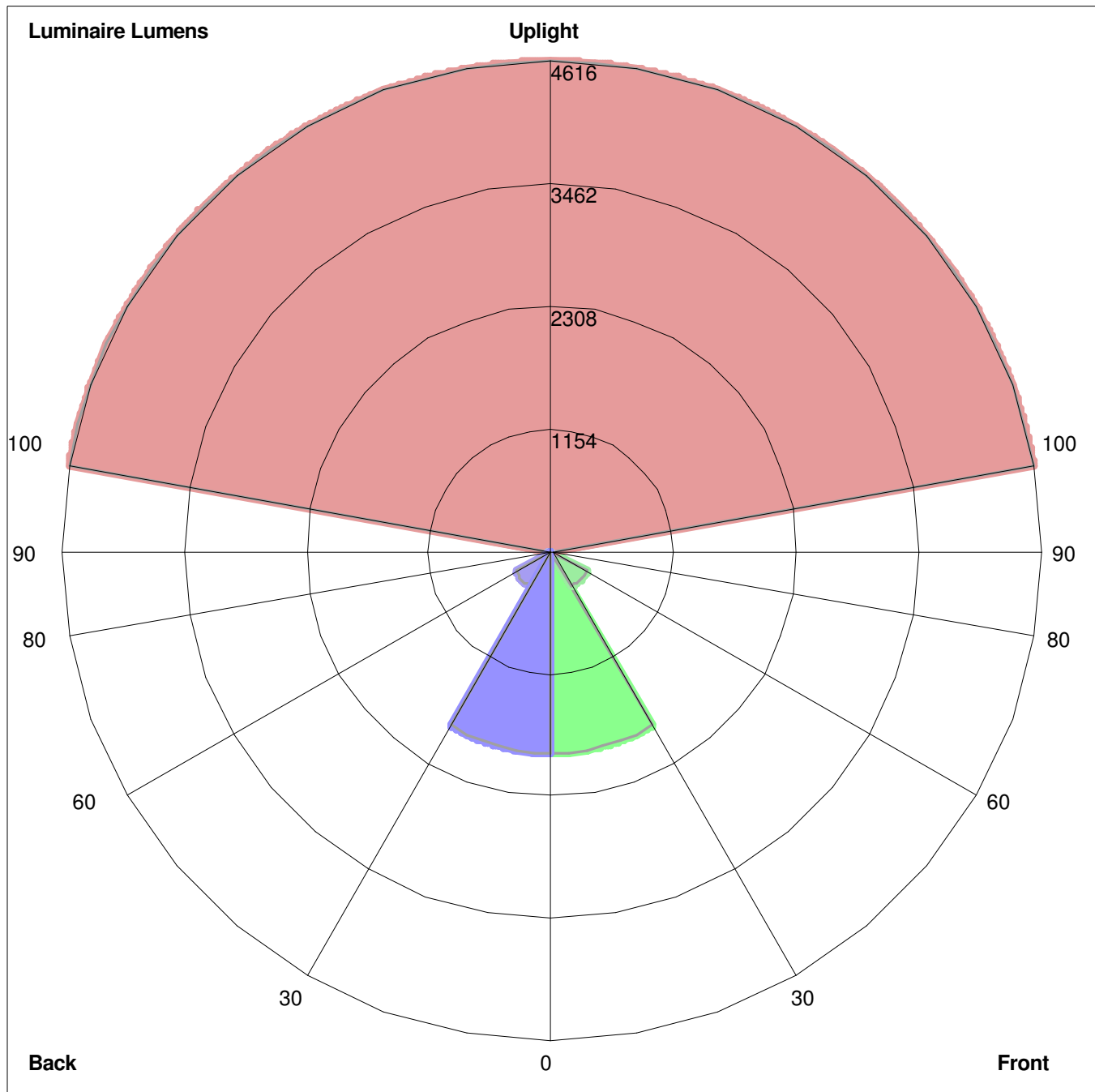
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1900.0, Medium=383.7, High=24.5, Very High=1.6
Back: Low= 1900.0, Medium=383.7, High=24.5, Very High=1.6
Uplight: Low=3.2, High=4616.4

BUG Rating : B3-U5-G0