

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-830U-L10-830D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-MEDIUM DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] W4CRDI-xx-L10-830U-L10-830D-xxx-DIM-UNV-M-xx
[LUMINAIRE] 4 INCH ROUND DIRECT-INDIRECT OUTDOOR LED CYLINDER
[MORE] MEDIUM DISTRIBUTION WITH MICROPRISM LENS
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2086
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1959.018
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1959.018
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.292 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.831 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-830U-L10-830D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	430.8	N.A.	20.7
FM - Front-Medium (30-60)	85.7	N.A.	4.1
FH - Front-High (60-80)	4.7	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	430.8	N.A.	20.7
BM - Back-Medium (30-60)	85.7	N.A.	4.1
BH - Back-High (60-80)	4.7	N.A.	0.2
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	1042.4	N.A.	50.0
Total	2086.0	N.A.	100.0
BUG Rating	B1-U5-G0		

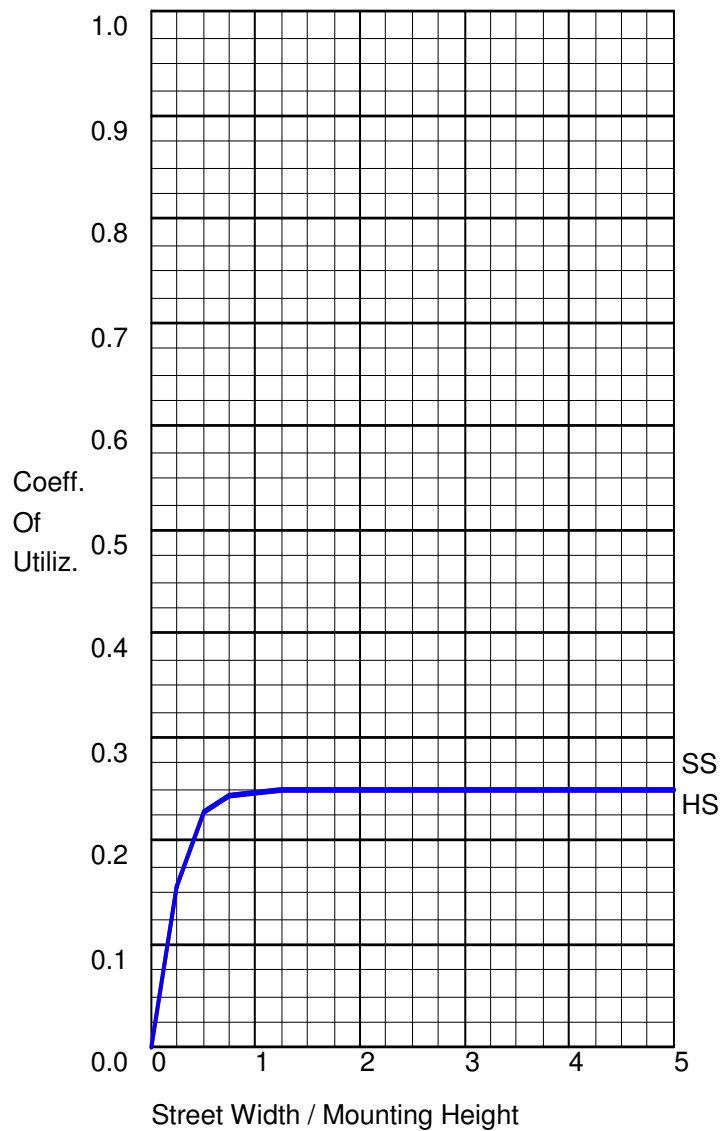
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CANDELA TABULATION

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	1959.018	1959.018	1959.018	1959.018	1959.018	1959.018	1959.018	1959.018	1959.018
5	1893.434	1888.806	1886.955	1888.806	1893.434	1888.806	1886.955	1888.806	1893.434
10	1677.951	1677.461	1673.686	1677.461	1677.951	1677.461	1673.686	1677.461	1677.951
15	1329.851	1331.456	1338.123	1331.456	1329.851	1331.456	1338.123	1331.456	1329.851
20	969.975	976.245	987.255	976.245	969.975	976.245	987.255	976.245	969.975
25	686.921	692.065	699.798	692.065	686.921	692.065	699.798	692.065	686.921
30	437.727	445.808	447.903	445.808	437.727	445.808	447.903	445.808	437.727
35	191.193	194.571	197.519	194.571	191.193	194.571	197.519	194.571	191.193
40	53.852	55.461	58.431	55.461	53.852	55.461	58.431	55.461	53.852
45	22.641	23.950	25.869	23.950	22.641	23.950	25.869	23.950	22.641
50	17.145	17.714	18.432	17.714	17.145	17.714	18.432	17.714	17.145
55	13.681	13.943	14.197	13.943	13.681	13.943	14.197	13.943	13.681
60	9.659	9.757	9.917	9.757	9.659	9.757	9.917	9.757	9.659
65	6.450	6.457	6.558	6.457	6.450	6.457	6.558	6.457	6.450
70	4.388	4.351	4.396	4.351	4.388	4.351	4.396	4.351	4.388
75	2.611	2.544	2.566	2.544	2.611	2.544	2.566	2.544	2.611
80	0.831	0.819	0.808	0.819	0.831	0.819	0.808	0.819	0.831
85	0.602	0.602	0.595	0.602	0.602	0.602	0.595	0.602	0.602
90	0.292	0.284	0.247	0.284	0.292	0.284	0.247	0.284	0.292
95	0.602	0.602	0.595	0.602	0.602	0.602	0.595	0.602	0.602
100	0.831	0.819	0.808	0.819	0.831	0.819	0.808	0.819	0.831
105	2.611	2.544	2.566	2.544	2.611	2.544	2.566	2.544	2.611
110	4.388	4.351	4.396	4.351	4.388	4.351	4.396	4.351	4.388
115	6.450	6.457	6.558	6.457	6.450	6.457	6.558	6.457	6.450
120	9.659	9.757	9.917	9.757	9.659	9.757	9.917	9.757	9.659
125	13.681	13.943	14.197	13.943	13.681	13.943	14.197	13.943	13.681
130	17.145	17.714	18.432	17.714	17.145	17.714	18.432	17.714	17.145
135	22.641	23.950	25.869	23.950	22.641	23.950	25.869	23.950	22.641
140	53.852	55.461	58.431	55.461	53.852	55.461	58.431	55.461	53.852
145	191.193	194.571	197.519	194.571	191.193	194.571	197.519	194.571	191.193
150	437.727	445.808	447.903	445.808	437.727	445.808	447.903	445.808	437.727
155	686.921	692.065	699.798	692.065	686.921	692.065	699.798	692.065	686.921
160	969.975	976.245	987.255	976.245	969.975	976.245	987.255	976.245	969.975
165	1329.851	1331.456	1338.123	1331.456	1329.851	1331.456	1338.123	1331.456	1329.851
170	1677.951	1677.461	1673.686	1677.461	1677.951	1677.461	1673.686	1677.461	1677.951
175	1893.434	1888.806	1886.955	1888.806	1893.434	1888.806	1886.955	1888.806	1893.434
180	1958.805	1958.805	1958.805	1958.805	1958.805	1958.805	1958.805	1958.805	1958.805

COEFFICIENTS OF UTILIZATION



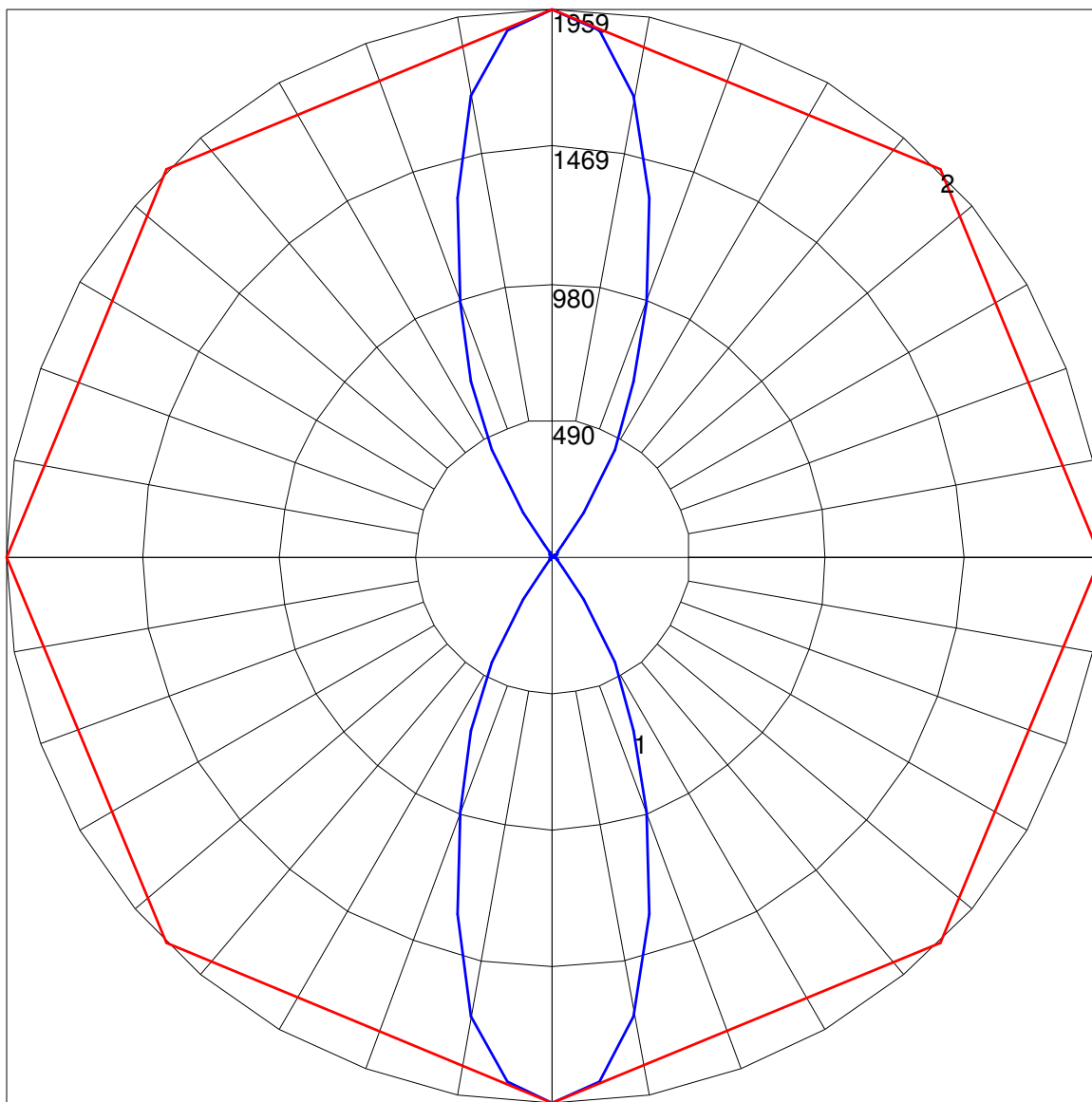
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	521.5	25.0
Downward House Side	521.5	25.0
Downward Total	1043.0	50.0
Upward Street Side	521.5	25.0
Upward House Side	521.5	25.0
Upward Total	1043.0	50.0
Total Flux	2086.0	100.0

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POLAR GRAPH



Maximum Candela = 1959.018 Located At Horizontal Angle = 360, Vertical Angle = 0

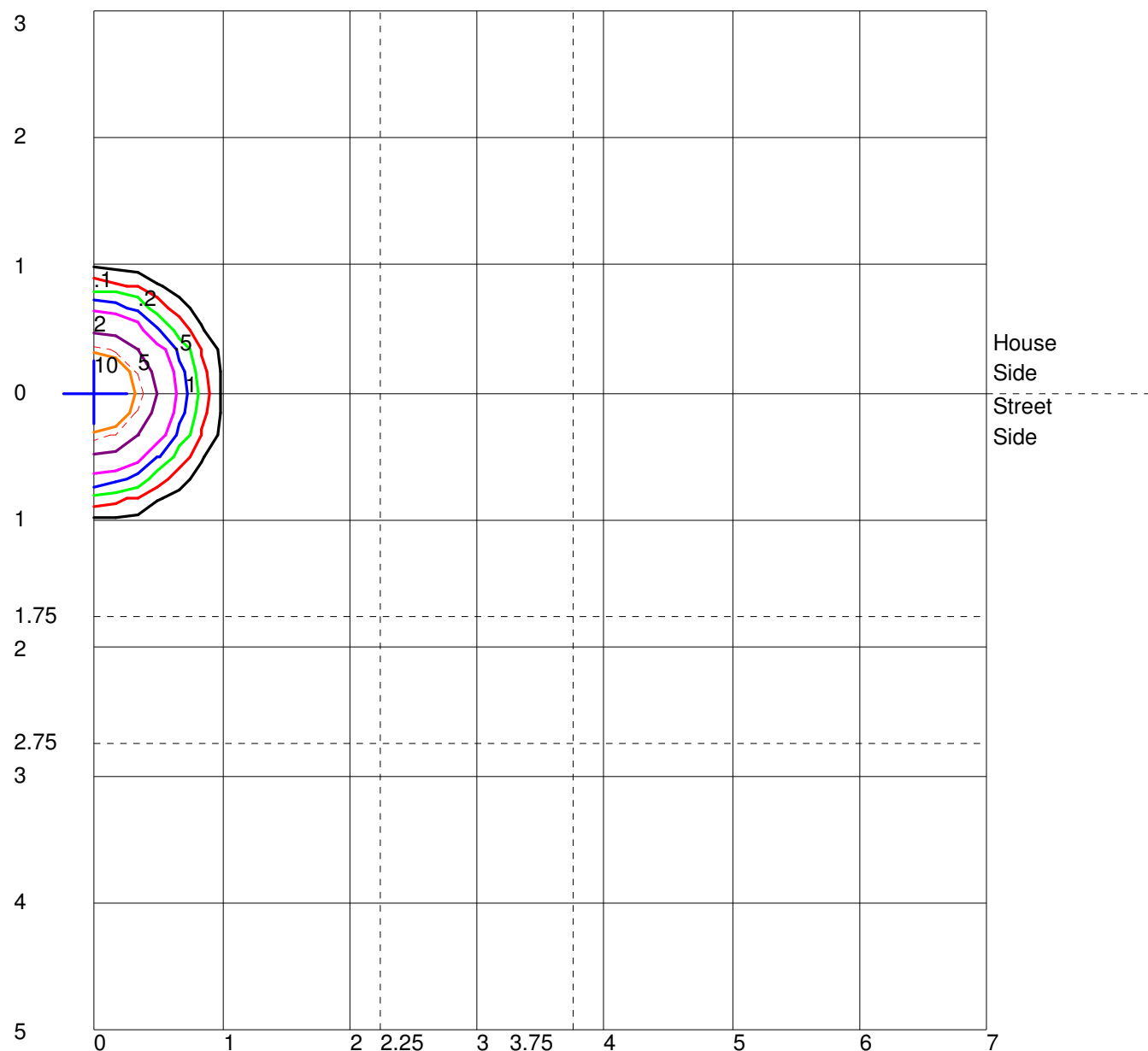
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

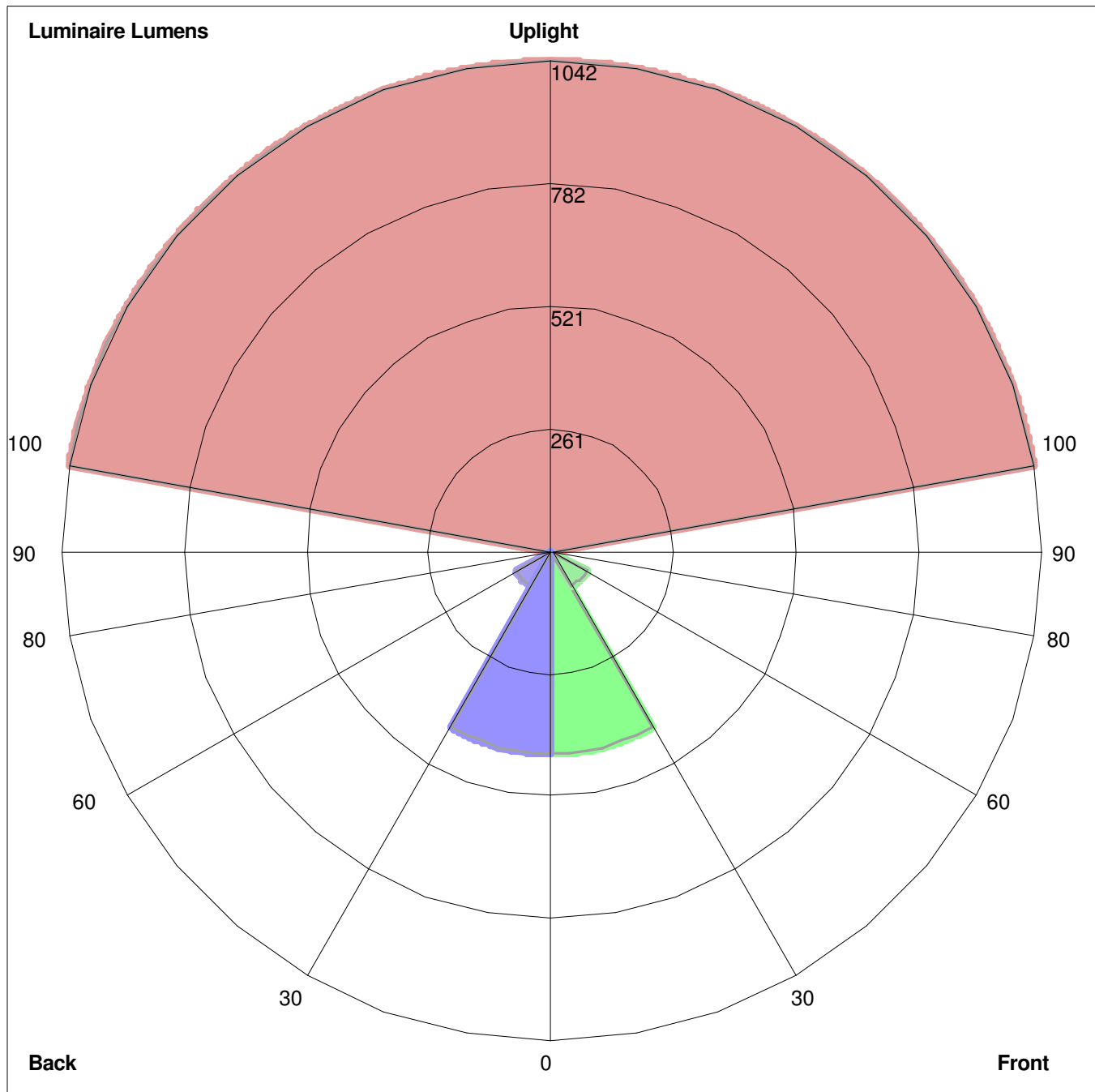
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=430.8, Medium=85.7, High=4.7, Very High=0.3
Back: Low=430.8, Medium=85.7, High=4.7, Very High=0.3
Uplight: Low=0.6, High=1042.4

BUG Rating : B1-U5-G0