

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-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-L10-850U-L10-850D-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	2065
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1939.428
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1939.428
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.289 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.822 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	426.5	N.A.	20.6
FM - Front-Medium (30-60)	84.9	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)	426.5	N.A.	20.6
BM - Back-Medium (30-60)	84.9	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)	1032.0	N.A.	50.0
Total	2065.4	N.A.	100.0
BUG Rating	B1-U5-G0		

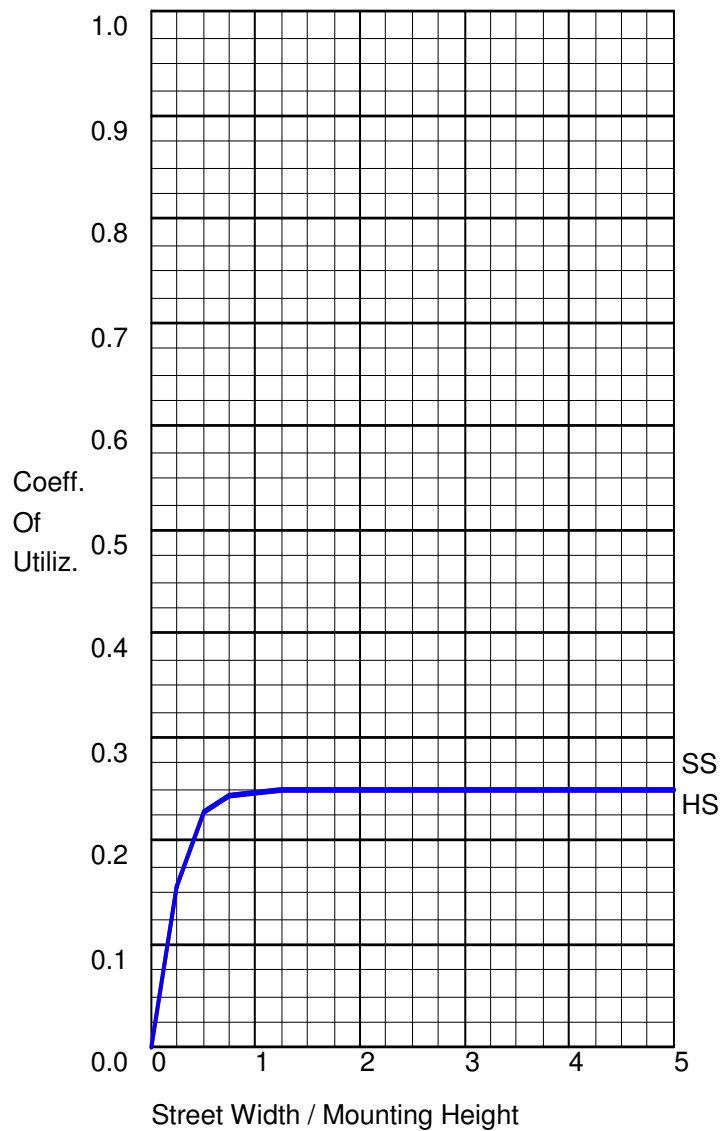
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CANDELA TABULATION

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	1939.428	1939.428	1939.428	1939.428	1939.428	1939.428	1939.428	1939.428	1939.428
5	1874.500	1869.919	1868.085	1869.919	1874.500	1869.919	1868.085	1869.919	1874.500
10	1661.171	1660.686	1656.949	1660.686	1661.171	1660.686	1656.949	1660.686	1661.171
15	1316.553	1318.142	1324.742	1318.142	1316.553	1318.142	1324.742	1318.142	1316.553
20	960.275	966.483	977.382	966.483	960.275	966.483	977.382	966.483	960.275
25	680.052	685.144	692.800	685.144	680.052	685.144	692.800	685.144	680.052
30	433.350	441.350	443.424	441.350	433.350	441.350	443.424	441.350	433.350
35	189.281	192.625	195.544	192.625	189.281	192.625	195.544	192.625	189.281
40	53.314	54.906	57.847	54.906	53.314	54.906	57.847	54.906	53.314
45	22.414	23.711	25.611	23.711	22.414	23.711	25.611	23.711	22.414
50	16.974	17.537	18.248	17.537	16.974	17.537	18.248	17.537	16.974
55	13.544	13.803	14.055	13.803	13.544	13.803	14.055	13.803	13.544
60	9.563	9.659	9.818	9.659	9.563	9.659	9.818	9.659	9.563
65	6.385	6.392	6.492	6.392	6.385	6.392	6.492	6.392	6.385
70	4.344	4.307	4.352	4.307	4.344	4.307	4.352	4.307	4.344
75	2.585	2.518	2.541	2.518	2.585	2.518	2.541	2.518	2.585
80	0.822	0.811	0.800	0.811	0.822	0.811	0.800	0.811	0.822
85	0.596	0.596	0.589	0.596	0.596	0.596	0.589	0.596	0.596
90	0.289	0.281	0.244	0.281	0.289	0.281	0.244	0.281	0.289
95	0.596	0.596	0.589	0.596	0.596	0.596	0.589	0.596	0.596
100	0.822	0.811	0.800	0.811	0.822	0.811	0.800	0.811	0.822
105	2.585	2.518	2.541	2.518	2.585	2.518	2.541	2.518	2.585
110	4.344	4.307	4.352	4.307	4.344	4.307	4.352	4.307	4.344
115	6.385	6.392	6.492	6.392	6.385	6.392	6.492	6.392	6.385
120	9.563	9.659	9.818	9.659	9.563	9.659	9.818	9.659	9.563
125	13.544	13.803	14.055	13.803	13.544	13.803	14.055	13.803	13.544
130	16.974	17.537	18.248	17.537	16.974	17.537	18.248	17.537	16.974
135	22.414	23.711	25.611	23.711	22.414	23.711	25.611	23.711	22.414
140	53.314	54.906	57.847	54.906	53.314	54.906	57.847	54.906	53.314
145	189.281	192.625	195.544	192.625	189.281	192.625	195.544	192.625	189.281
150	433.350	441.350	443.424	441.350	433.350	441.350	443.424	441.350	433.350
155	680.052	685.144	692.800	685.144	680.052	685.144	692.800	685.144	680.052
160	960.275	966.483	977.382	966.483	960.275	966.483	977.382	966.483	960.275
165	1316.553	1318.142	1324.742	1318.142	1316.553	1318.142	1324.742	1318.142	1316.553
170	1661.171	1660.686	1656.949	1660.686	1661.171	1660.686	1656.949	1660.686	1661.171
175	1874.500	1869.919	1868.085	1869.919	1874.500	1869.919	1868.085	1869.919	1874.500
180	1939.217	1939.217	1939.217	1939.217	1939.217	1939.217	1939.217	1939.217	1939.217

COEFFICIENTS OF UTILIZATION



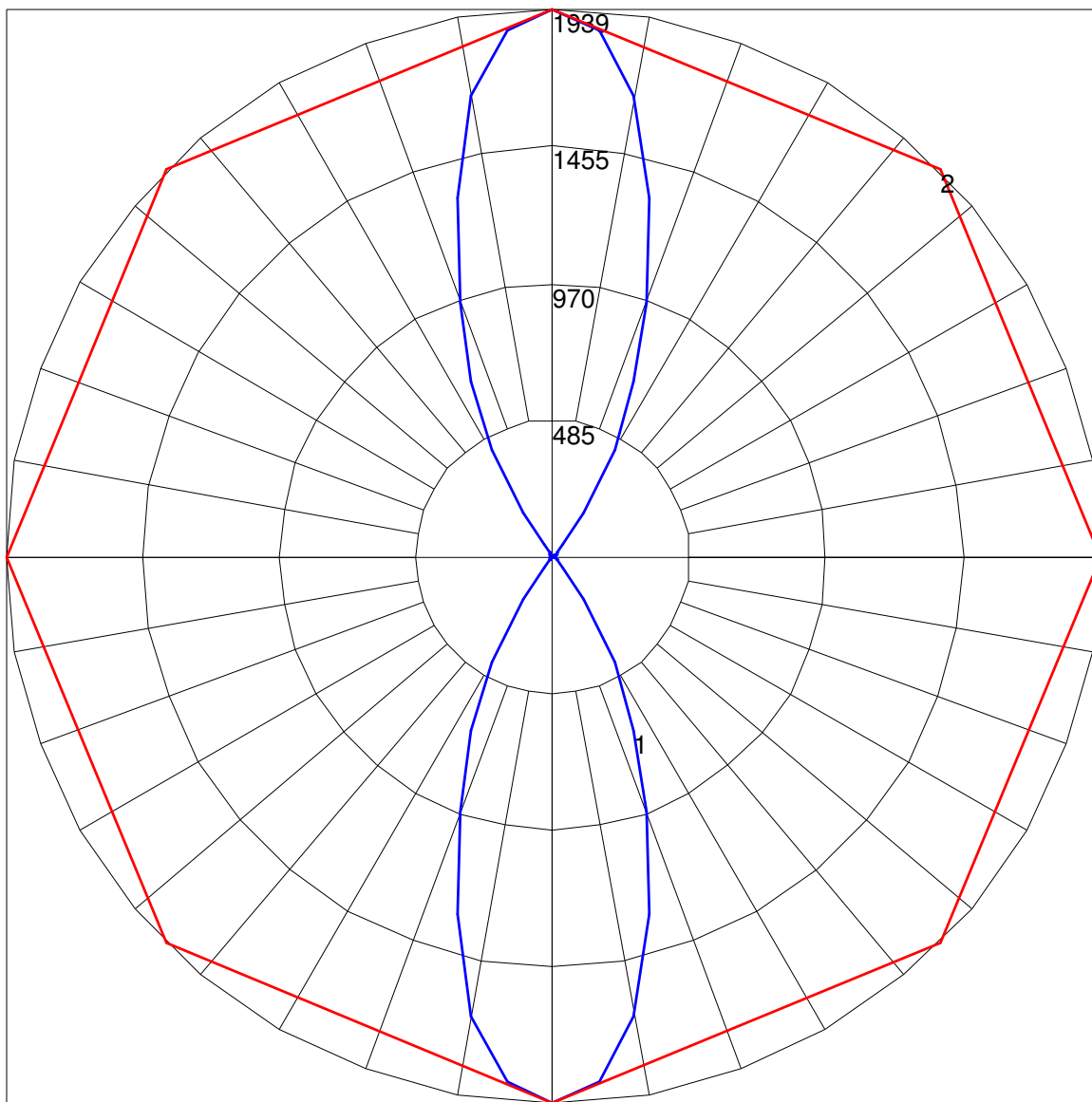
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	516.3	25.0
Downward House Side	516.3	25.0
Downward Total	1032.6	50.0
Upward Street Side	516.3	25.0
Upward House Side	516.3	25.0
Upward Total	1032.6	50.0
Total Flux	2065.2	100.0

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POLAR GRAPH



Maximum Candela = 1939.428 Located At Horizontal Angle = 360, Vertical Angle = 0

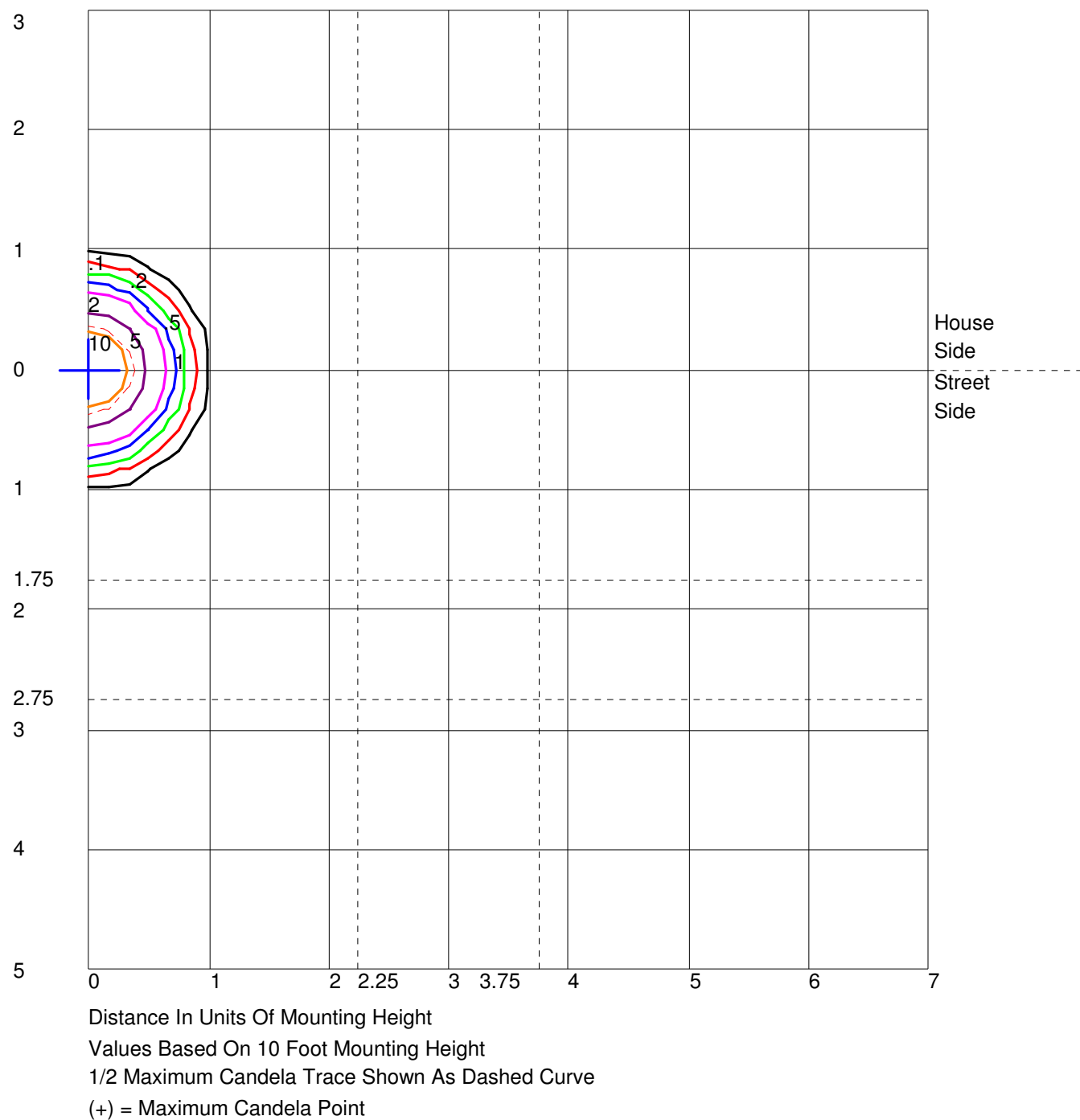
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

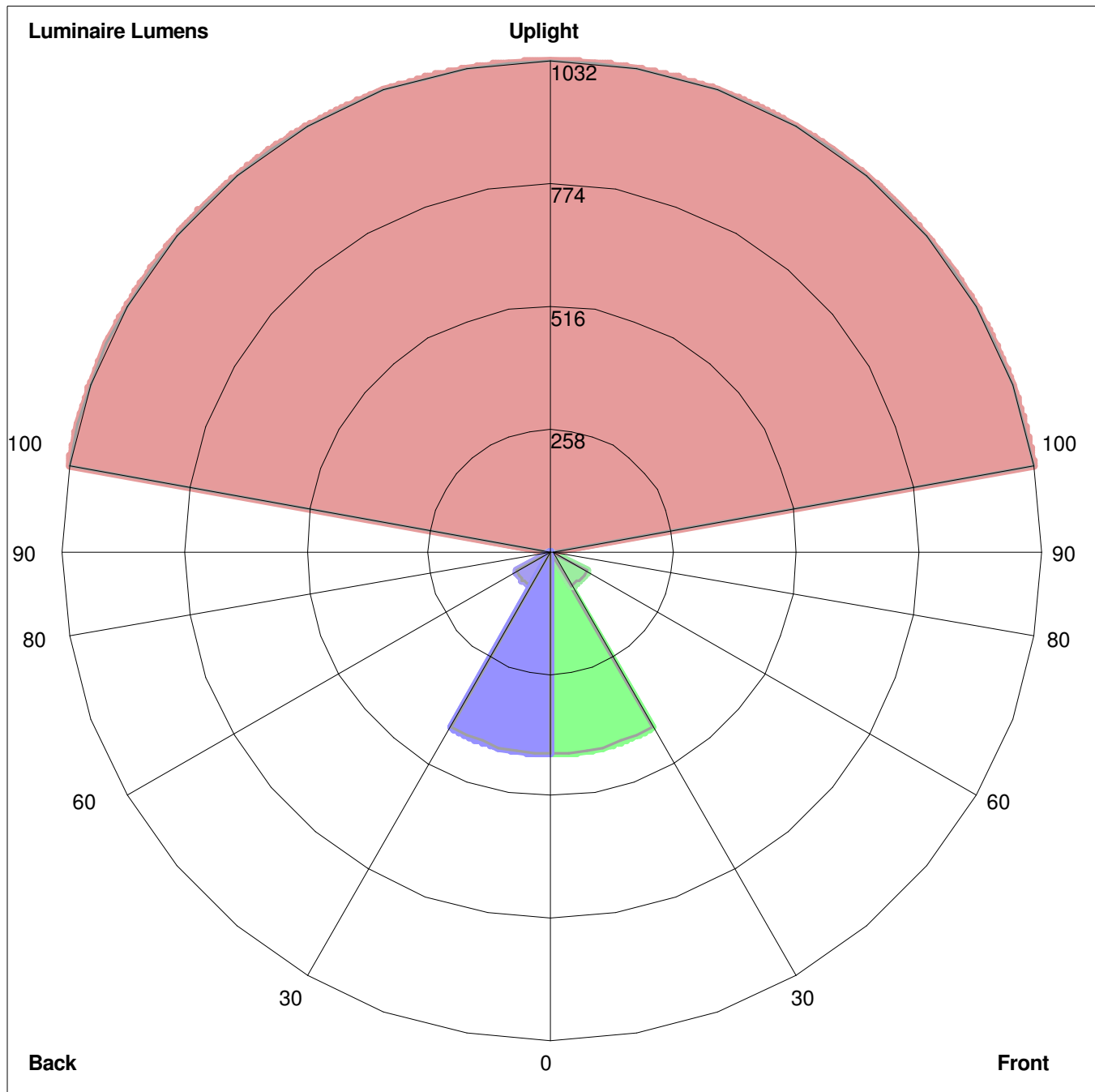
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=426.5, Medium=84.9, High=4.7, Very High=0.3
Back: Low=426.5, Medium=84.9, High=4.7, Very High=0.3
Uplight: Low=0.6, High= 1032.0

BUG Rating : B1-U5-G0