

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-930U-L15-930D-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-L15-930U-L15-930D-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	2922
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2744.316
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2744.316
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.409 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.163 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-930U-L15-930D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	603.5	N.A.	20.6
FM - Front-Medium (30-60)	120.1	N.A.	4.1
FH - Front-High (60-80)	6.6	N.A.	0.2
FVH - Front-Very High (80-90)	0.4	N.A.	0.0
BL - Back-Low (0-30)	603.5	N.A.	20.6
BM - Back-Medium (30-60)	120.1	N.A.	4.1
BH - Back-High (60-80)	6.6	N.A.	0.2
BVH - Back-Very High (80-90)	0.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.9	N.A.	0.0
UH - Uplight-High (100-180)	1460.3	N.A.	50.0
Total	2922.4	N.A.	100.0
BUG Rating	B2-U5-G0		

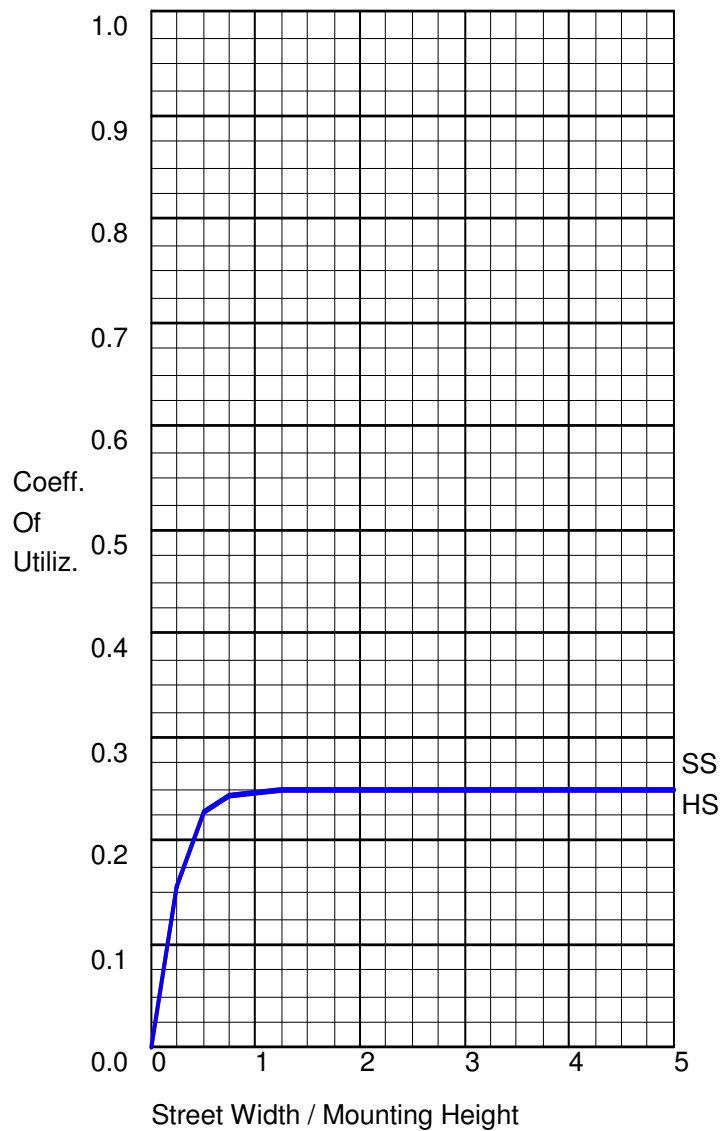
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CANDELA TABULATION

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	2744.316	2744.316	2744.316	2744.316	2744.316	2744.316	2744.316	2744.316	2744.316
5	2652.442	2645.959	2643.365	2645.959	2652.442	2645.959	2643.365	2645.959	2652.442
10	2350.579	2349.893	2344.605	2349.893	2350.579	2349.893	2344.605	2349.893	2350.579
15	1862.940	1865.188	1874.527	1865.188	1862.940	1865.188	1874.527	1865.188	1862.940
20	1358.802	1367.586	1383.009	1367.586	1358.802	1367.586	1383.009	1367.586	1358.802
25	962.282	969.488	980.321	969.488	962.282	969.488	980.321	969.488	962.282
30	613.196	624.516	627.450	624.516	613.196	624.516	627.450	624.516	613.196
35	267.835	272.568	276.697	272.568	267.835	272.568	276.697	272.568	267.835
40	75.440	77.693	81.854	77.693	75.440	77.693	81.854	77.693	75.440
45	31.717	33.551	36.239	33.551	31.717	33.551	36.239	33.551	31.717
50	24.018	24.815	25.821	24.815	24.018	24.815	25.821	24.815	24.018
55	19.165	19.532	19.888	19.532	19.165	19.532	19.888	19.532	19.165
60	13.531	13.668	13.893	13.668	13.531	13.668	13.893	13.668	13.531
65	9.035	9.045	9.187	9.045	9.035	9.045	9.187	9.045	9.035
70	6.147	6.095	6.158	6.095	6.147	6.095	6.158	6.095	6.147
75	3.658	3.564	3.595	3.564	3.658	3.564	3.595	3.564	3.658
80	1.163	1.148	1.132	1.148	1.163	1.148	1.132	1.148	1.163
85	0.844	0.844	0.833	0.844	0.844	0.844	0.833	0.844	0.844
90	0.409	0.398	0.346	0.398	0.409	0.398	0.346	0.398	0.409
95	0.844	0.844	0.833	0.844	0.844	0.844	0.833	0.844	0.844
100	1.163	1.148	1.132	1.148	1.163	1.148	1.132	1.148	1.163
105	3.658	3.564	3.595	3.564	3.658	3.564	3.595	3.564	3.658
110	6.147	6.095	6.158	6.095	6.147	6.095	6.158	6.095	6.147
115	9.035	9.045	9.187	9.045	9.035	9.045	9.187	9.045	9.035
120	13.531	13.668	13.893	13.668	13.531	13.668	13.893	13.668	13.531
125	19.165	19.532	19.888	19.532	19.165	19.532	19.888	19.532	19.165
130	24.018	24.815	25.821	24.815	24.018	24.815	25.821	24.815	24.018
135	31.717	33.551	36.239	33.551	31.717	33.551	36.239	33.551	31.717
140	75.440	77.693	81.854	77.693	75.440	77.693	81.854	77.693	75.440
145	267.835	272.568	276.697	272.568	267.835	272.568	276.697	272.568	267.835
150	613.196	624.516	627.450	624.516	613.196	624.516	627.450	624.516	613.196
155	962.282	969.488	980.321	969.488	962.282	969.488	980.321	969.488	962.282
160	1358.802	1367.586	1383.009	1367.586	1358.802	1367.586	1383.009	1367.586	1358.802
165	1862.940	1865.188	1874.527	1865.188	1862.940	1865.188	1874.527	1865.188	1862.940
170	2350.579	2349.893	2344.605	2349.893	2350.579	2349.893	2344.605	2349.893	2350.579
175	2652.442	2645.959	2643.365	2645.959	2652.442	2645.959	2643.365	2645.959	2652.442
180	2744.018	2744.018	2744.018	2744.018	2744.018	2744.018	2744.018	2744.018	2744.018

COEFFICIENTS OF UTILIZATION



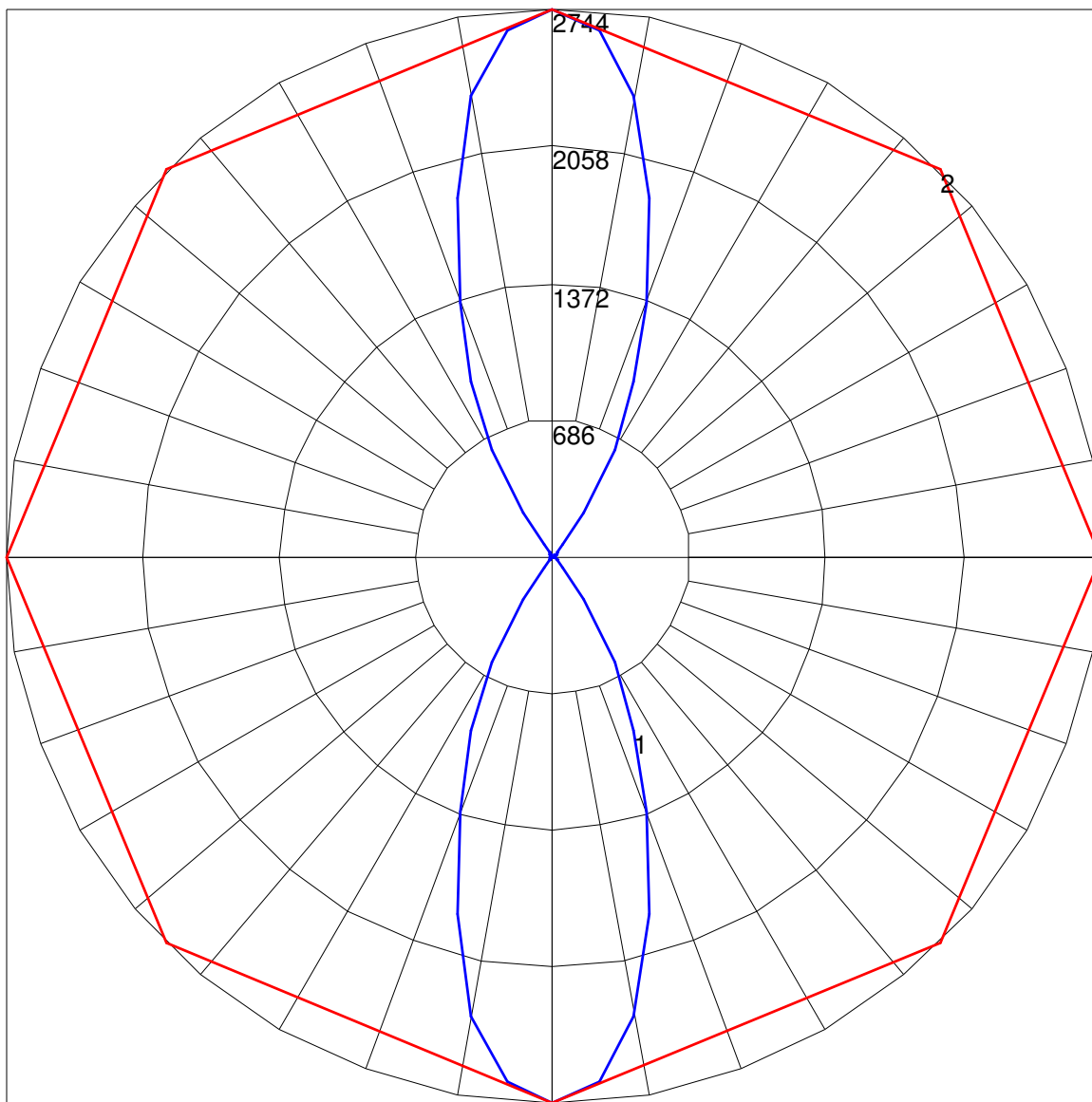
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	730.6	25.0
Downward House Side	730.6	25.0
Downward Total	1461.2	50.0
Upward Street Side	730.6	25.0
Upward House Side	730.6	25.0
Upward Total	1461.2	50.0
Total Flux	2922.4	100.0

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POLAR GRAPH



Maximum Candela = 2744.316 Located At Horizontal Angle = 360, Vertical Angle = 0

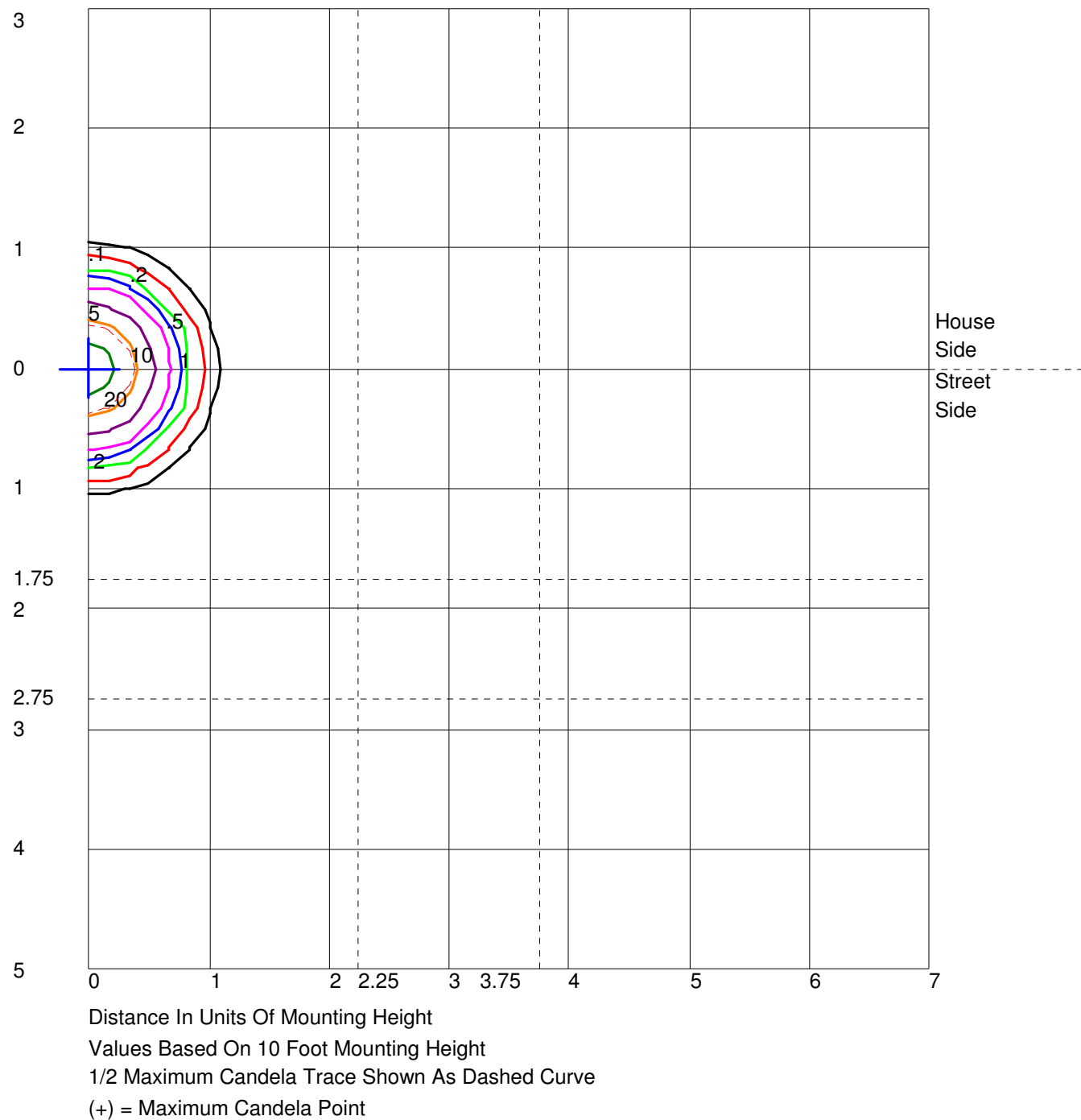
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

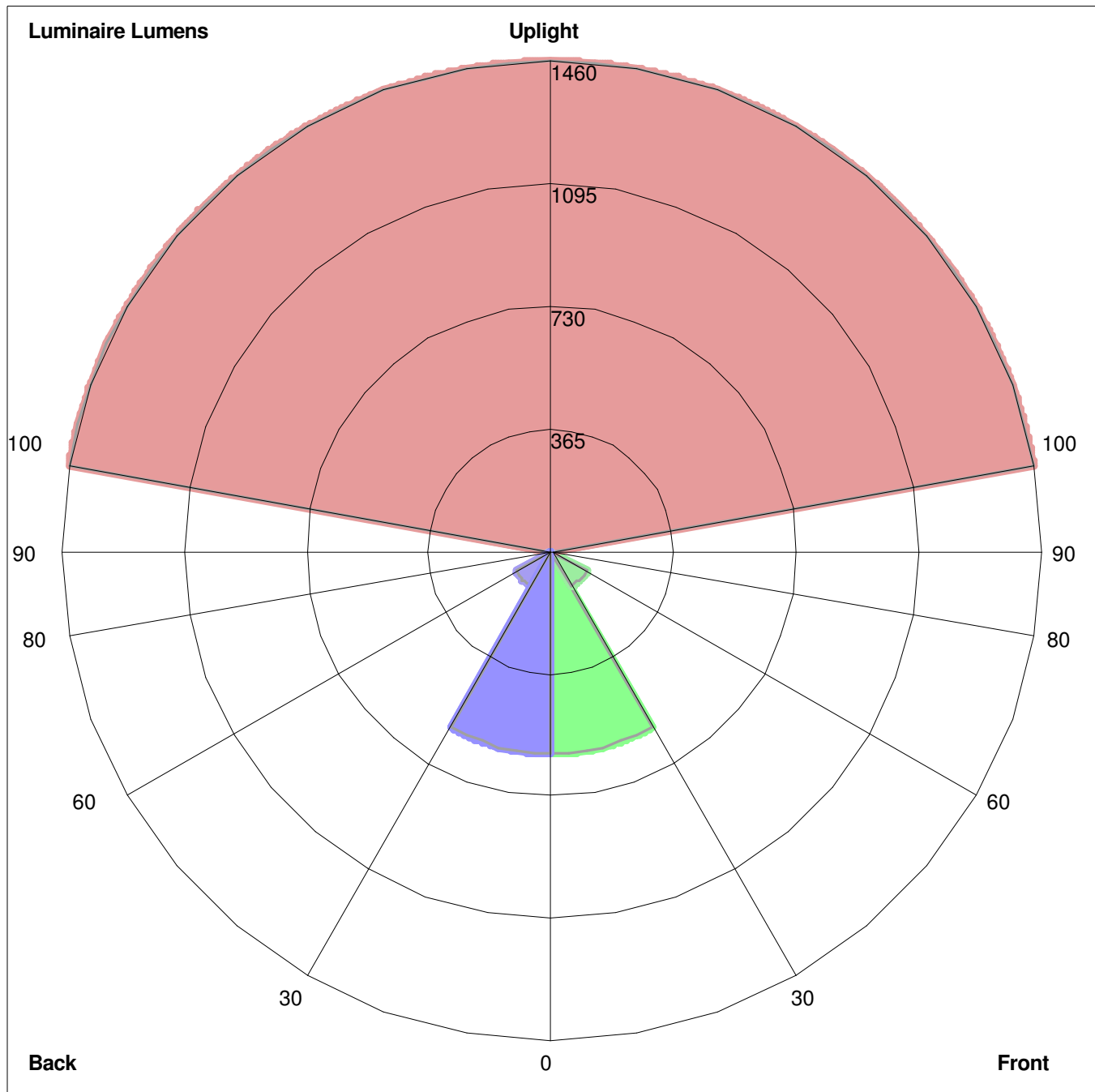
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=603.5, Medium=120.1, High=6.6, Very High=0.4
Back: Low=603.5, Medium=120.1, High=6.6, Very High=0.4
Uplight: Low=0.9, High=1460.3

BUG Rating : B2-U5-G0