

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-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-L15-950U-L15-950D-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	2892
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2715.428
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2715.428
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.404 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.151 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	597.1	N.A.	20.7
FM - Front-Medium (30-60)	118.8	N.A.	4.1
FH - Front-High (60-80)	6.5	N.A.	0.2
FVH - Front-Very High (80-90)	0.4	N.A.	0.0
BL - Back-Low (0-30)	597.1	N.A.	20.7
BM - Back-Medium (30-60)	118.8	N.A.	4.1
BH - Back-High (60-80)	6.5	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)	1444.9	N.A.	50.0
Total	2891.4	N.A.	100.0
BUG Rating	B2-U5-G0		

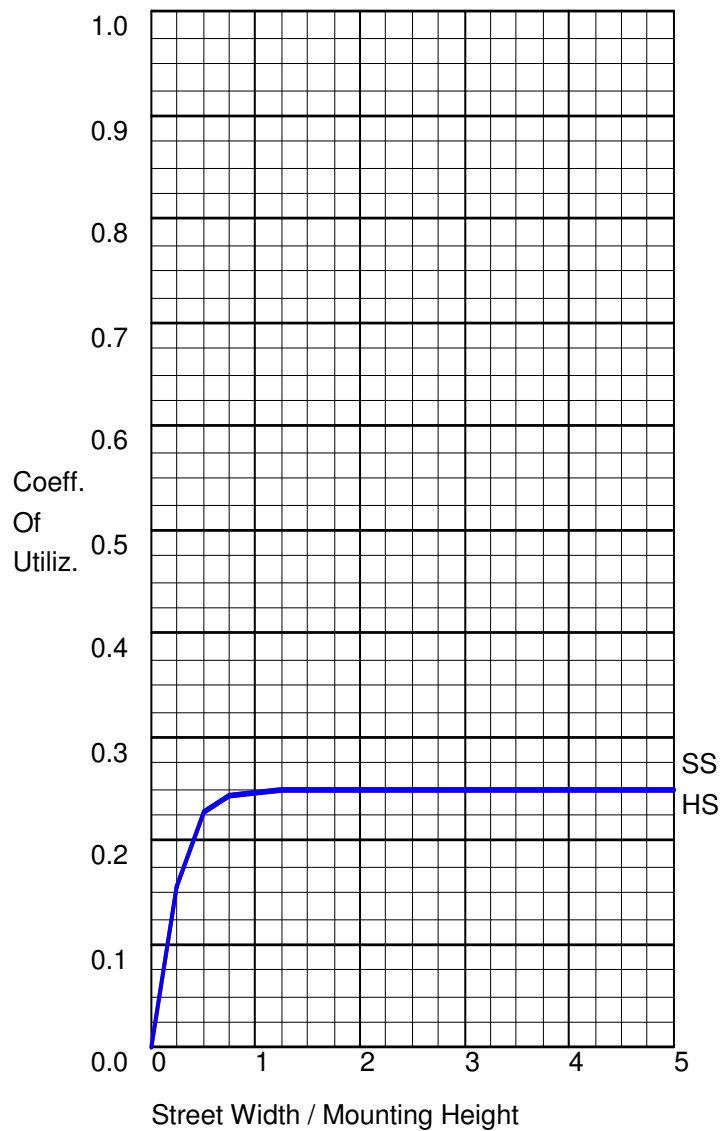
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CANDELA TABULATION

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	2715.428	2715.428	2715.428	2715.428	2715.428	2715.428	2715.428	2715.428	2715.428
5	2624.521	2618.106	2615.539	2618.106	2624.521	2618.106	2615.539	2618.106	2624.521
10	2325.835	2325.156	2319.924	2325.156	2325.835	2325.156	2319.924	2325.156	2325.835
15	1843.329	1845.554	1854.794	1845.554	1843.329	1845.554	1854.794	1845.554	1843.329
20	1344.499	1353.190	1368.451	1353.190	1344.499	1353.190	1368.451	1353.190	1344.499
25	952.153	959.283	970.001	959.283	952.153	959.283	970.001	959.283	952.153
30	606.741	617.942	620.845	617.942	606.741	617.942	620.845	617.942	606.741
35	265.016	269.698	273.784	269.698	265.016	269.698	273.784	269.698	265.016
40	74.645	76.875	80.992	76.875	74.645	76.875	80.992	76.875	74.645
45	31.383	33.198	35.858	33.198	31.383	33.198	35.858	33.198	31.383
50	23.765	24.553	25.549	24.553	23.765	24.553	25.549	24.553	23.765
55	18.963	19.326	19.679	19.326	18.963	19.326	19.679	19.326	18.963
60	13.389	13.524	13.747	13.524	13.389	13.524	13.747	13.524	13.389
65	8.940	8.950	9.090	8.950	8.940	8.950	9.090	8.950	8.940
70	6.083	6.031	6.093	6.031	6.083	6.031	6.093	6.031	6.083
75	3.619	3.526	3.557	3.526	3.619	3.526	3.557	3.526	3.619
80	1.151	1.136	1.120	1.136	1.151	1.136	1.120	1.136	1.151
85	0.835	0.835	0.824	0.835	0.835	0.835	0.824	0.835	0.835
90	0.404	0.394	0.342	0.394	0.404	0.394	0.342	0.394	0.404
95	0.835	0.835	0.824	0.835	0.835	0.835	0.824	0.835	0.835
100	1.151	1.136	1.120	1.136	1.151	1.136	1.120	1.136	1.151
105	3.619	3.526	3.557	3.526	3.619	3.526	3.557	3.526	3.619
110	6.083	6.031	6.093	6.031	6.083	6.031	6.093	6.031	6.083
115	8.940	8.950	9.090	8.950	8.940	8.950	9.090	8.950	8.940
120	13.389	13.524	13.747	13.524	13.389	13.524	13.747	13.524	13.389
125	18.963	19.326	19.679	19.326	18.963	19.326	19.679	19.326	18.963
130	23.765	24.553	25.549	24.553	23.765	24.553	25.549	24.553	23.765
135	31.383	33.198	35.858	33.198	31.383	33.198	35.858	33.198	31.383
140	74.645	76.875	80.992	76.875	74.645	76.875	80.992	76.875	74.645
145	265.016	269.698	273.784	269.698	265.016	269.698	273.784	269.698	265.016
150	606.741	617.942	620.845	617.942	606.741	617.942	620.845	617.942	606.741
155	952.153	959.283	970.001	959.283	952.153	959.283	970.001	959.283	952.153
160	1344.499	1353.190	1368.451	1353.190	1344.499	1353.190	1368.451	1353.190	1344.499
165	1843.329	1845.554	1854.794	1845.554	1843.329	1845.554	1854.794	1845.554	1843.329
170	2325.835	2325.156	2319.924	2325.156	2325.835	2325.156	2319.924	2325.156	2325.835
175	2624.521	2618.106	2615.539	2618.106	2624.521	2618.106	2615.539	2618.106	2624.521
180	2715.132	2715.132	2715.132	2715.132	2715.132	2715.132	2715.132	2715.132	2715.132

COEFFICIENTS OF UTILIZATION



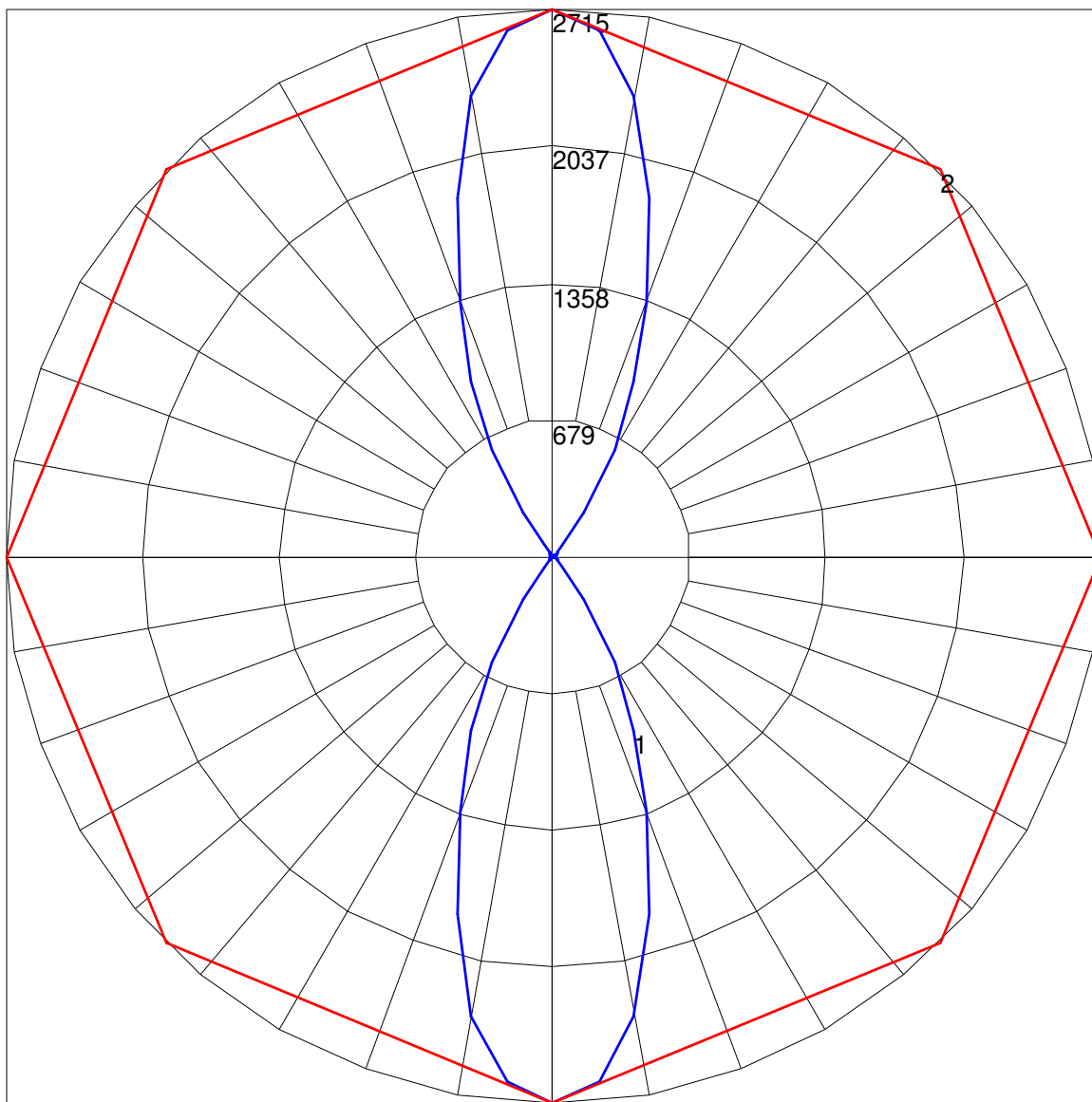
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	722.9	25.0
Downward House Side	722.9	25.0
Downward Total	1445.8	50.0
Upward Street Side	722.9	25.0
Upward House Side	722.9	25.0
Upward Total	1445.8	50.0
Total Flux	2891.6	100.0

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POLAR GRAPH



Maximum Candela = 2715.428 Located At Horizontal Angle = 360, Vertical Angle = 0

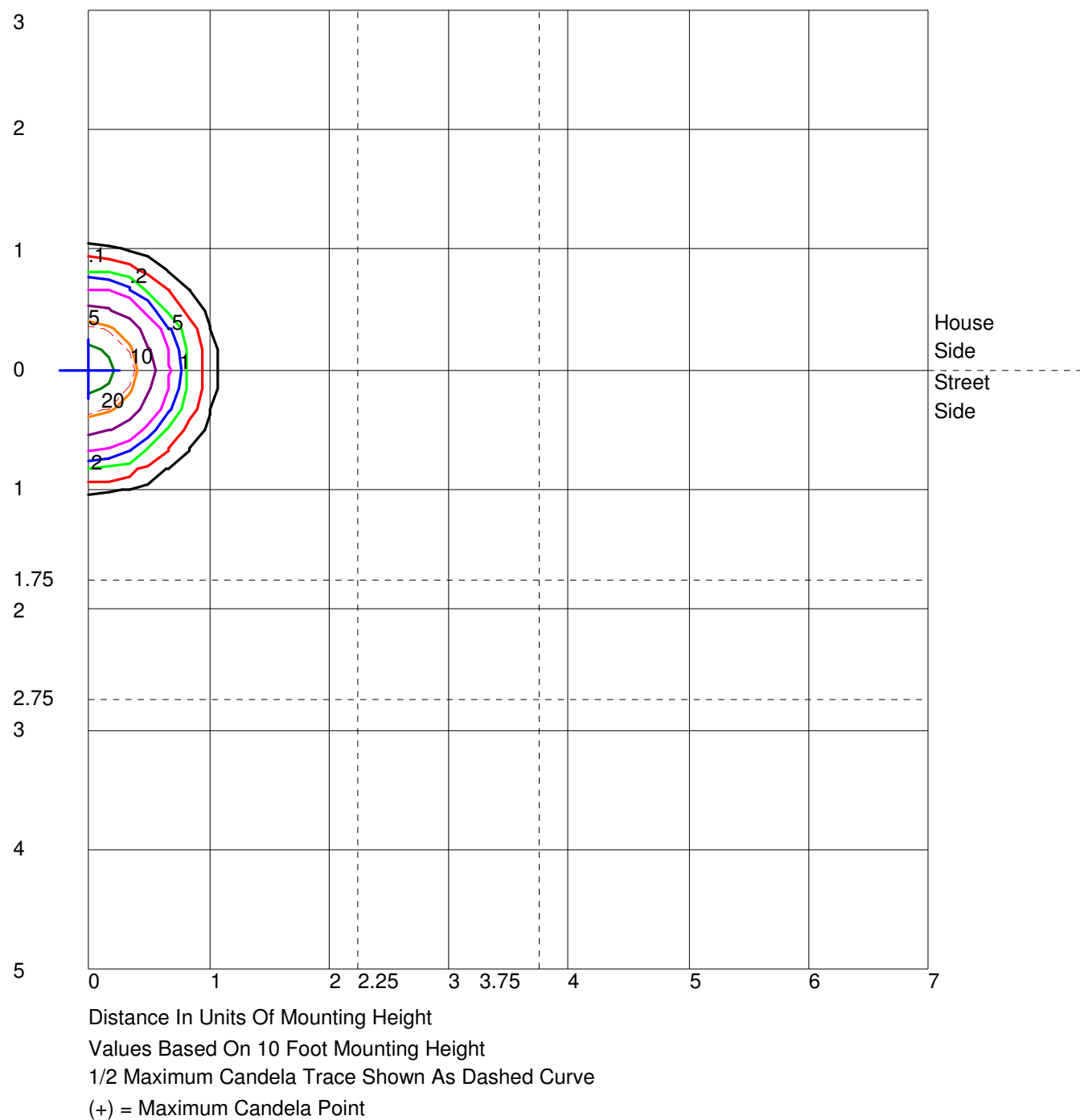
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

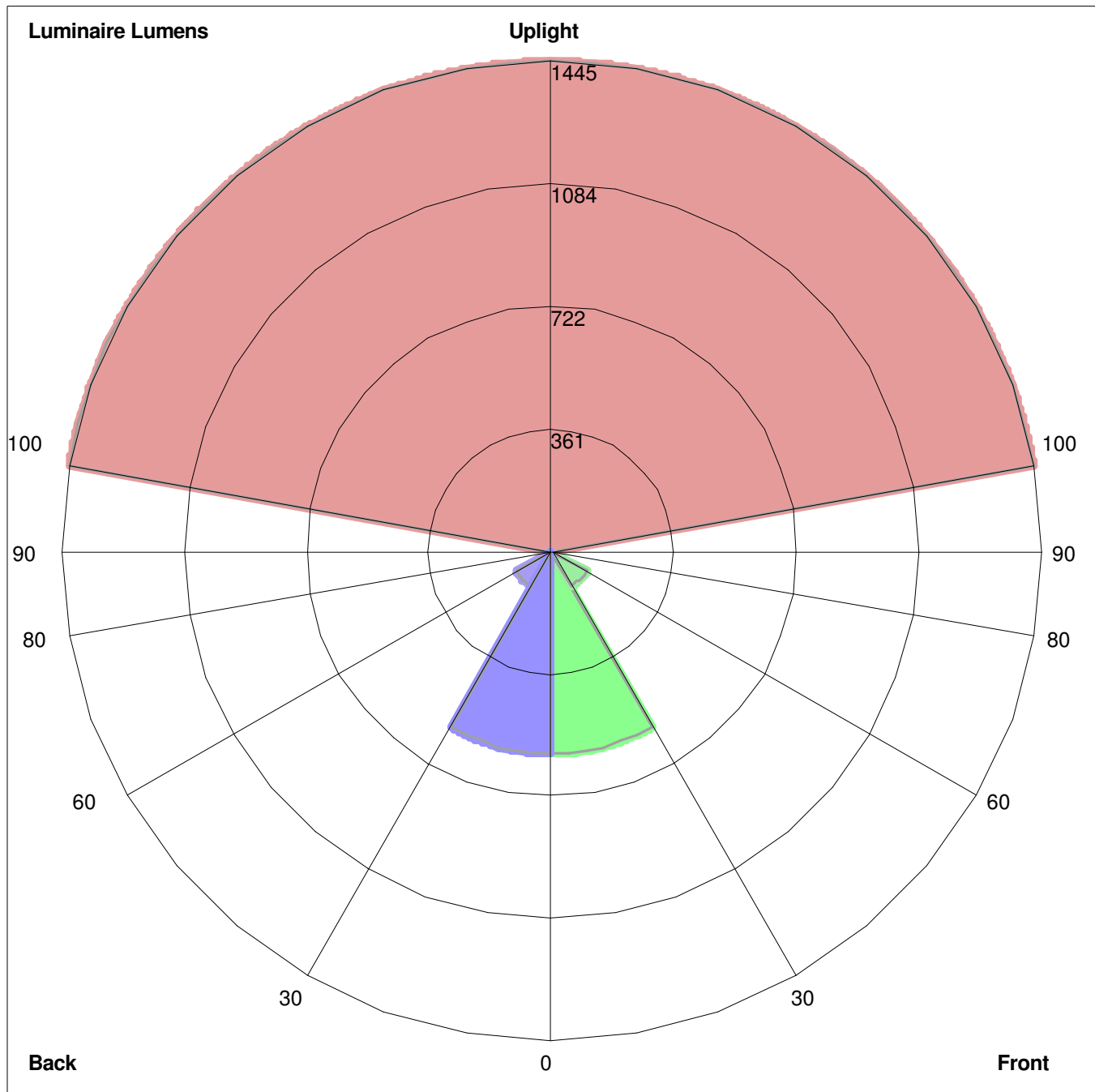
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=597.1, Medium=118.8, High=6.5, Very High=0.4
Back: Low=597.1, Medium=118.8, High=6.5, Very High=0.4
Uplight: Low=0.9, High=1444.9

BUG Rating : B2-U5-G0