

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-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-L15-927U-L15-927D-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	2861
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2686.541
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2686.541
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.4 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.139 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	590.7	N.A.	20.6
FM - Front-Medium (30-60)	117.6	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)	590.7	N.A.	20.6
BM - Back-Medium (30-60)	117.6	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)	1429.5	N.A.	50.0
Total	2860.8	N.A.	100.0
BUG Rating	B2-U5-G0		

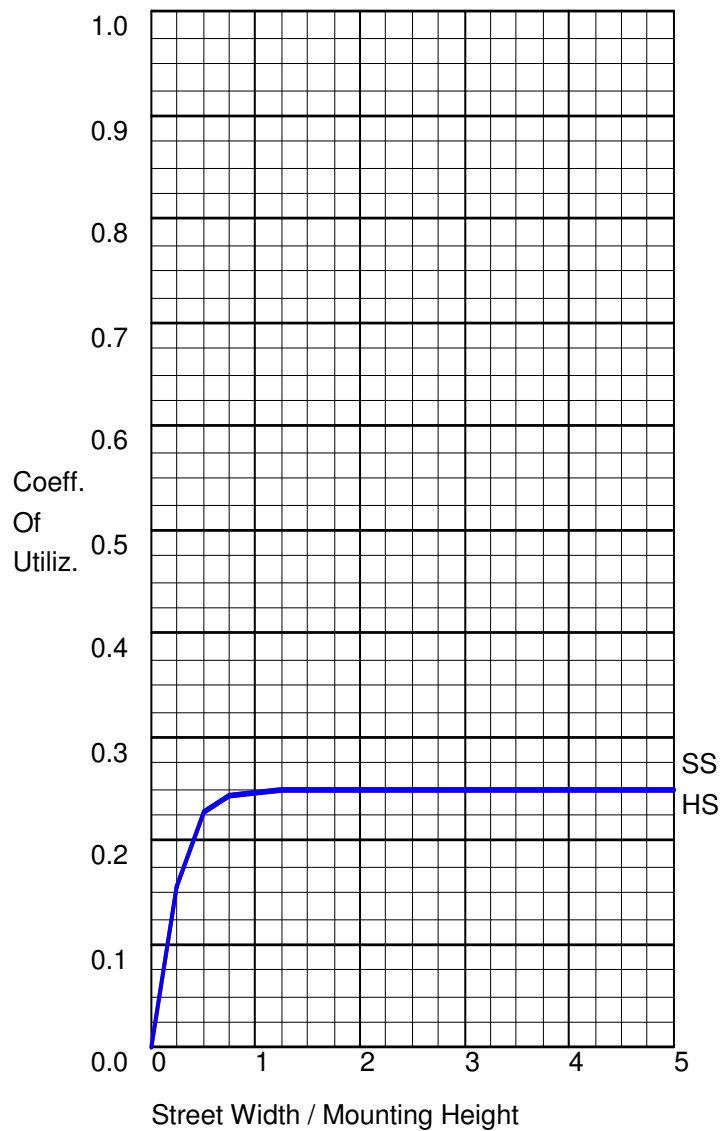
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CANDELA TABULATION

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	2686.541	2686.541	2686.541	2686.541	2686.541	2686.541	2686.541	2686.541	2686.541
5	2596.601	2590.255	2587.715	2590.255	2596.601	2590.255	2587.715	2590.255	2596.601
10	2301.093	2300.421	2295.245	2300.421	2301.093	2300.421	2295.245	2300.421	2301.093
15	1823.720	1825.921	1835.063	1825.921	1823.720	1825.921	1835.063	1825.921	1823.720
20	1330.196	1338.794	1353.893	1338.794	1330.196	1338.794	1353.893	1338.794	1330.196
25	942.024	949.078	959.682	949.078	942.024	949.078	959.682	949.078	942.024
30	600.286	611.368	614.241	611.368	600.286	611.368	614.241	611.368	600.286
35	262.197	266.829	270.872	266.829	262.197	266.829	270.872	266.829	262.197
40	73.851	76.057	80.131	76.057	73.851	76.057	80.131	76.057	73.851
45	31.049	32.844	35.476	32.844	31.049	32.844	35.476	32.844	31.049
50	23.512	24.292	25.277	24.292	23.512	24.292	25.277	24.292	23.512
55	18.762	19.121	19.470	19.121	18.762	19.121	19.470	19.121	18.762
60	13.247	13.380	13.601	13.380	13.247	13.380	13.601	13.380	13.247
65	8.845	8.855	8.993	8.855	8.845	8.855	8.993	8.855	8.845
70	6.018	5.967	6.028	5.967	6.018	5.967	6.028	5.967	6.018
75	3.581	3.489	3.519	3.489	3.581	3.489	3.519	3.489	3.581
80	1.139	1.124	1.108	1.124	1.139	1.124	1.108	1.124	1.139
85	0.826	0.826	0.816	0.826	0.826	0.826	0.816	0.826	0.826
90	0.400	0.390	0.339	0.390	0.400	0.390	0.339	0.390	0.400
95	0.826	0.826	0.816	0.826	0.826	0.826	0.816	0.826	0.826
100	1.139	1.124	1.108	1.124	1.139	1.124	1.108	1.124	1.139
105	3.581	3.489	3.519	3.489	3.581	3.489	3.519	3.489	3.581
110	6.018	5.967	6.028	5.967	6.018	5.967	6.028	5.967	6.018
115	8.845	8.855	8.993	8.855	8.845	8.855	8.993	8.855	8.845
120	13.247	13.380	13.601	13.380	13.247	13.380	13.601	13.380	13.247
125	18.762	19.121	19.470	19.121	18.762	19.121	19.470	19.121	18.762
130	23.512	24.292	25.277	24.292	23.512	24.292	25.277	24.292	23.512
135	31.049	32.844	35.476	32.844	31.049	32.844	35.476	32.844	31.049
140	73.851	76.057	80.131	76.057	73.851	76.057	80.131	76.057	73.851
145	262.197	266.829	270.872	266.829	262.197	266.829	270.872	266.829	262.197
150	600.286	611.368	614.241	611.368	600.286	611.368	614.241	611.368	600.286
155	942.024	949.078	959.682	949.078	942.024	949.078	959.682	949.078	942.024
160	1330.196	1338.794	1353.893	1338.794	1330.196	1338.794	1353.893	1338.794	1330.196
165	1823.720	1825.921	1835.063	1825.921	1823.720	1825.921	1835.063	1825.921	1823.720
170	2301.093	2300.421	2295.245	2300.421	2301.093	2300.421	2295.245	2300.421	2301.093
175	2596.601	2590.255	2587.715	2590.255	2596.601	2590.255	2587.715	2590.255	2596.601
180	2686.249	2686.249	2686.249	2686.249	2686.249	2686.249	2686.249	2686.249	2686.249

COEFFICIENTS OF UTILIZATION



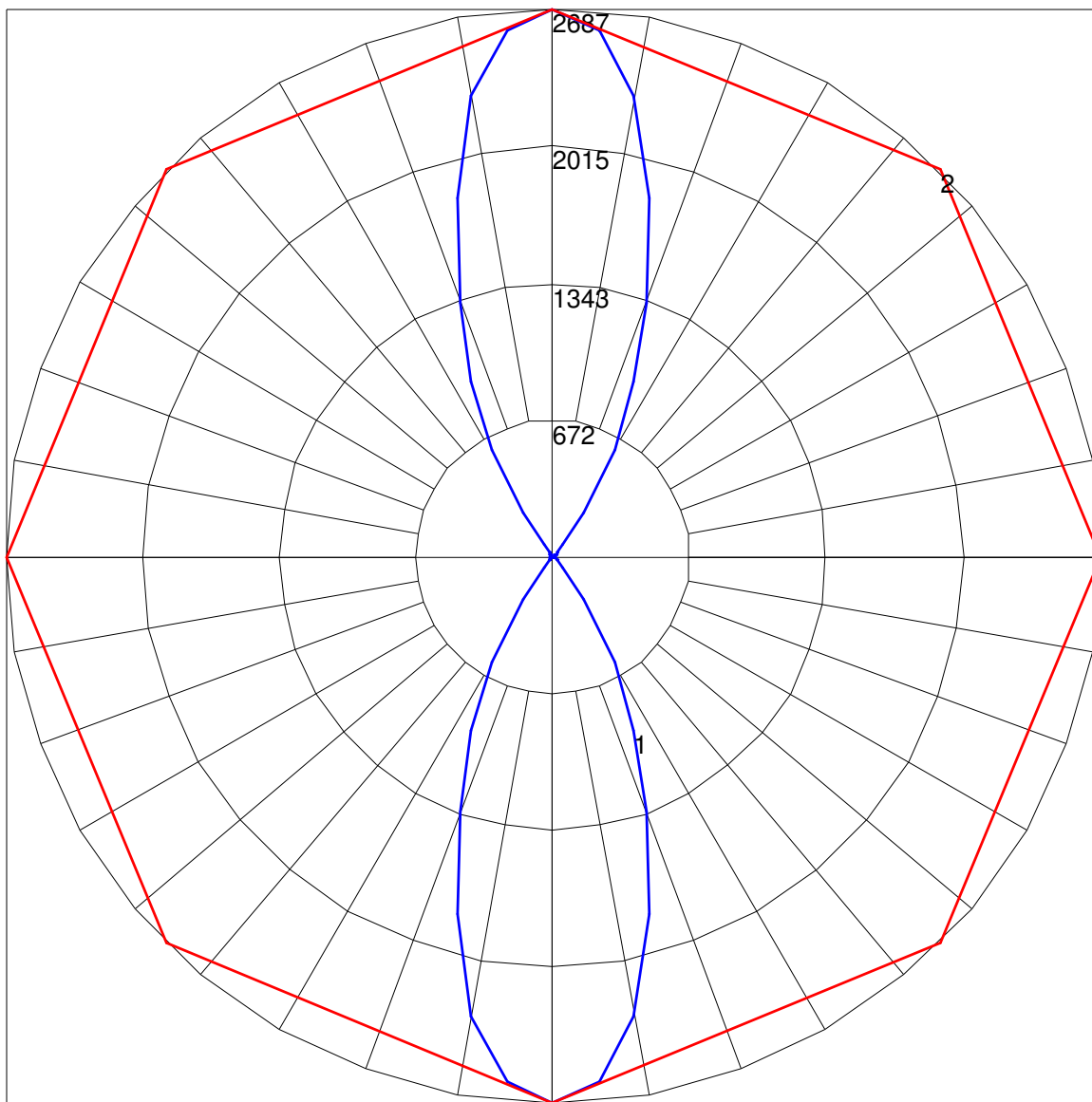
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	715.2	25.0
Downward House Side	715.2	25.0
Downward Total	1430.4	50.0
Upward Street Side	715.2	25.0
Upward House Side	715.2	25.0
Upward Total	1430.4	50.0
Total Flux	2860.8	100.0

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POLAR GRAPH



Maximum Candela = 2686.541 Located At Horizontal Angle = 360, Vertical Angle = 0

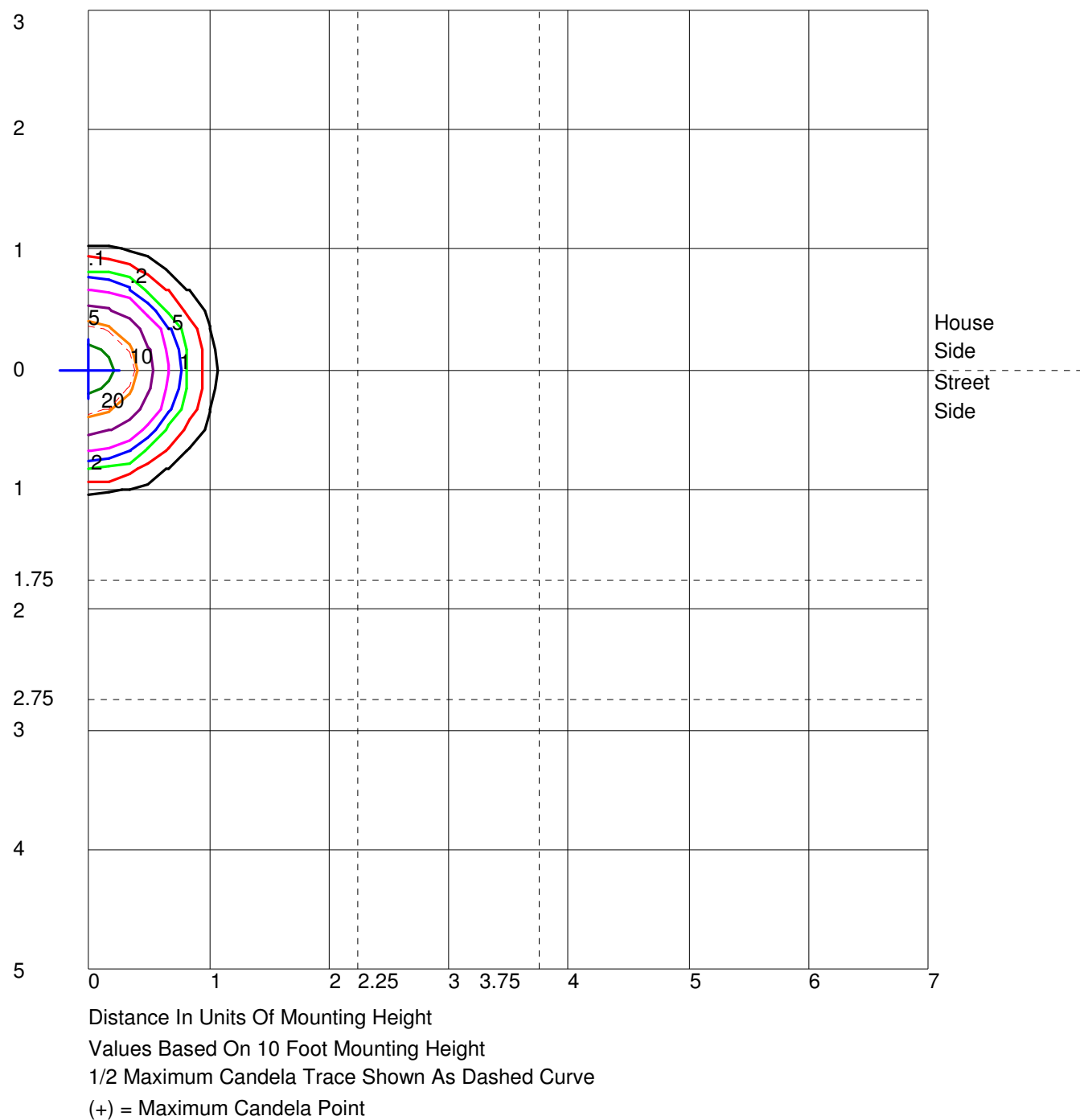
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

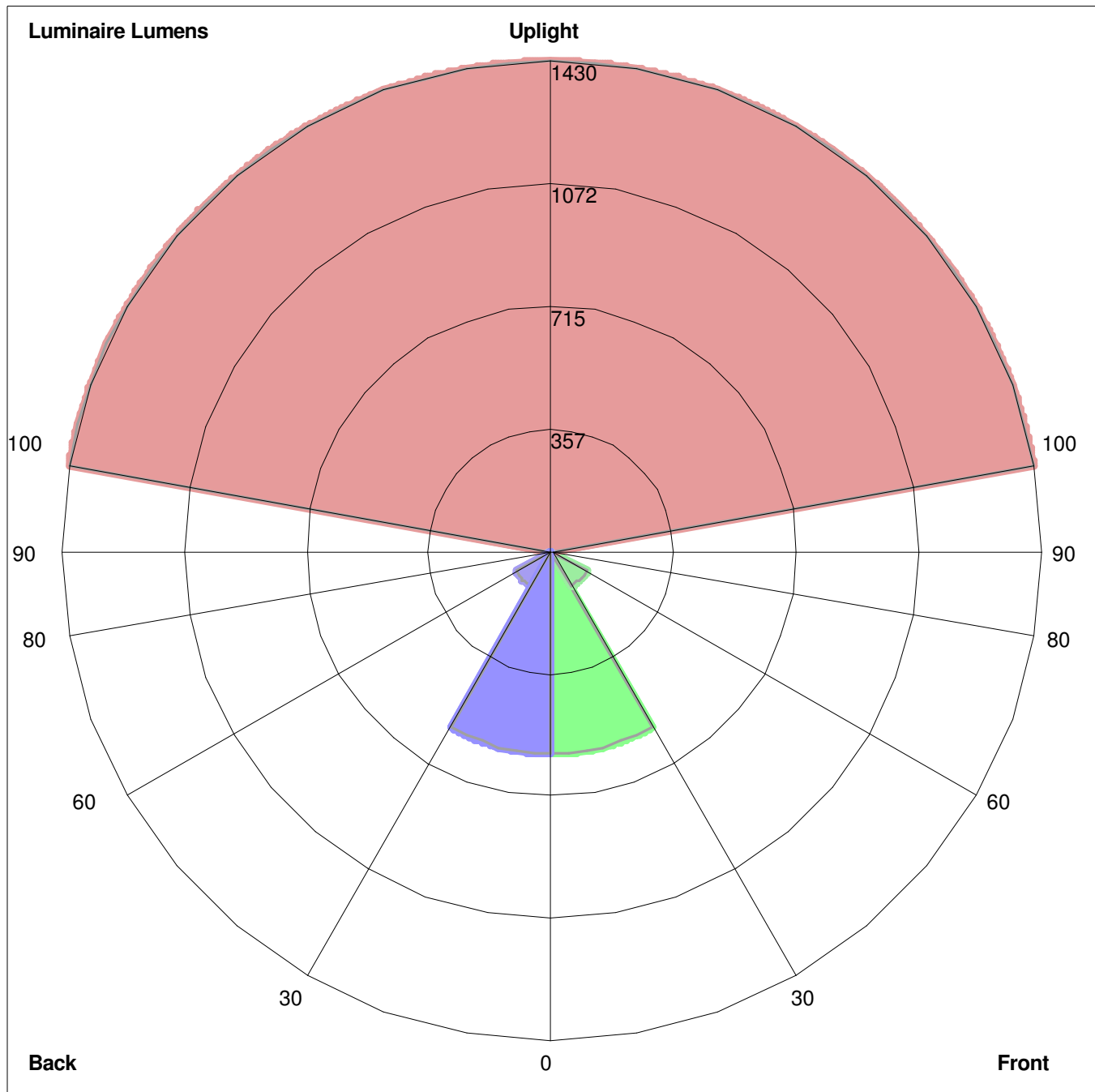
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=590.7, Medium=117.6, High=6.5, Very High=0.4
Back: Low=590.7, Medium=117.6, High=6.5, Very High=0.4
Uplight: Low=0.9, High=1429.5

BUG Rating : B2-U5-G0