

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-830U-L15-830D-XXX-DIM-UNV-N-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-NARROW
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT OUTDOOR
[MORE] CYLINDER W/NARROW DIST. & MICROPRISIM LENS
[LUMCAT] W4CRDI-xx-L15-830U-L15-830D-xxx-DIM-UNV-N-xx
[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	3260
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4526.94
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4526.94
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	.881 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-830U-L15-830D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	713.1	N.A.	21.9
FM - Front-Medium (30-60)	96.8	N.A.	3.0
FH - Front-High (60-80)	4.7	N.A.	0.1
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	713.1	N.A.	21.9
BM - Back-Medium (30-60)	96.8	N.A.	3.0
BH - Back-High (60-80)	4.7	N.A.	0.1
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.7	N.A.	0.0
UH - Uplight-High (100-180)	1629.2	N.A.	50.0
Total	3259.7	N.A.	100.0
BUG Rating	B2-U5-G0		

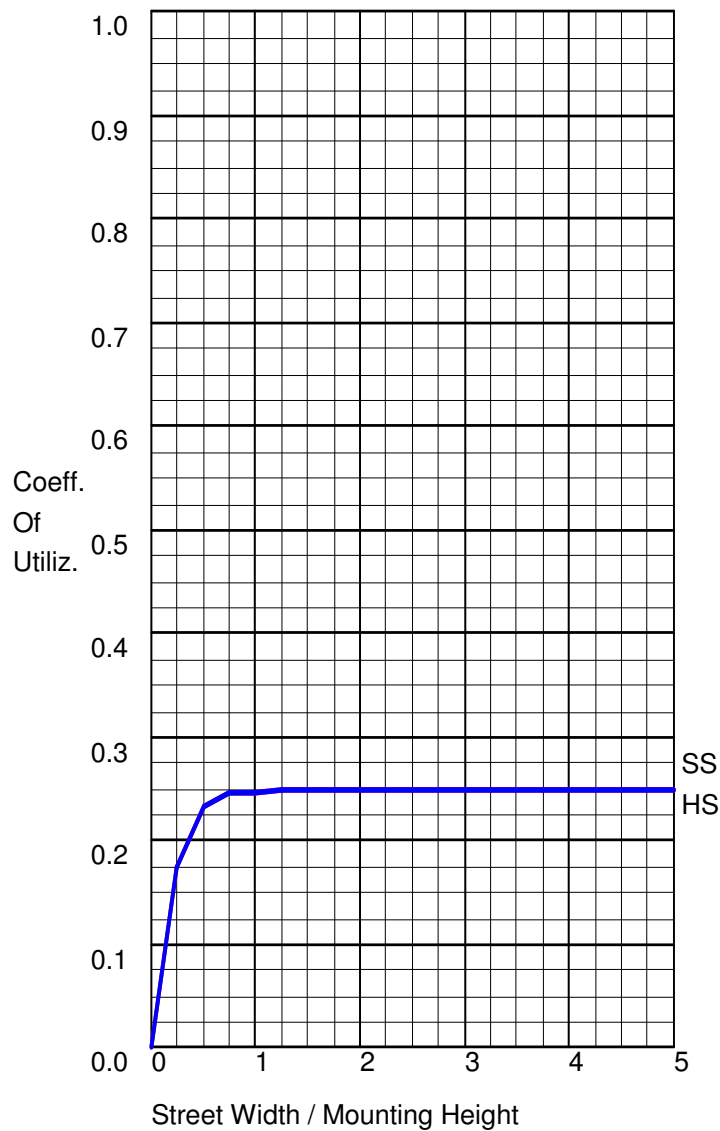
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CANDELA TABULATION

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	4526.940	4526.940	4526.940	4526.940	4526.940	4526.940	4526.940	4526.940	4526.940
5	4299.740	4294.205	4296.465	4294.205	4299.740	4294.205	4296.465	4294.205	4299.740
10	3519.086	3510.151	3528.043	3510.151	3519.086	3510.151	3528.043	3510.151	3519.086
15	2277.616	2307.303	2335.670	2307.303	2277.616	2307.303	2335.670	2307.303	2277.616
20	1281.081	1326.351	1349.022	1326.351	1281.081	1326.351	1349.022	1326.351	1281.081
25	806.205	835.065	835.632	835.065	806.205	835.065	835.632	835.065	806.205
30	517.173	527.876	531.476	527.876	517.173	527.876	531.476	527.876	517.173
35	217.314	216.665	217.400	216.665	217.314	216.665	217.400	216.665	217.314
40	52.378	50.070	49.984	50.070	52.378	50.070	49.984	50.070	52.378
45	23.022	24.276	25.249	24.276	23.022	24.276	25.249	24.276	23.022
50	23.259	23.881	24.238	23.881	23.259	23.881	24.238	23.881	23.259
55	18.470	18.838	18.795	18.838	18.470	18.838	18.795	18.838	18.470
60	10.632	10.584	10.573	10.584	10.632	10.584	10.573	10.584	10.632
65	6.303	6.232	6.238	6.232	6.303	6.232	6.238	6.232	6.303
70	4.292	4.232	4.243	4.232	4.292	4.232	4.243	4.232	4.292
75	2.643	2.541	2.481	2.541	2.643	2.541	2.481	2.541	2.643
80	0.881	0.854	0.854	0.854	0.881	0.854	0.854	0.854	0.881
85	0.638	0.632	0.632	0.632	0.638	0.632	0.632	0.632	0.638
90	0.292	0.270	0.249	0.270	0.292	0.270	0.249	0.270	0.292
95	0.638	0.632	0.632	0.632	0.638	0.632	0.632	0.632	0.638
100	0.881	0.854	0.854	0.854	0.881	0.854	0.854	0.854	0.881
105	2.643	2.541	2.481	2.541	2.643	2.541	2.481	2.541	2.643
110	4.292	4.232	4.243	4.232	4.292	4.232	4.243	4.232	4.292
115	6.303	6.232	6.238	6.232	6.303	6.232	6.238	6.232	6.303
120	10.632	10.584	10.573	10.584	10.632	10.584	10.573	10.584	10.632
125	18.470	18.838	18.795	18.838	18.470	18.838	18.795	18.838	18.470
130	23.259	23.881	24.238	23.881	23.259	23.881	24.238	23.881	23.259
135	23.022	24.276	25.249	24.276	23.022	24.276	25.249	24.276	23.022
140	52.378	50.070	49.984	50.070	52.378	50.070	49.984	50.070	52.378
145	217.314	216.665	217.400	216.665	217.314	216.665	217.400	216.665	217.314
150	517.173	527.876	531.476	527.876	517.173	527.876	531.476	527.876	517.173
155	806.205	835.065	835.632	835.065	806.205	835.065	835.632	835.065	806.205
160	1281.081	1326.351	1349.022	1326.351	1281.081	1326.351	1349.022	1326.351	1281.081
165	2277.616	2307.303	2335.670	2307.303	2277.616	2307.303	2335.670	2307.303	2277.616
170	3519.086	3510.151	3528.043	3510.151	3519.086	3510.151	3528.043	3510.151	3519.086
175	4299.740	4294.205	4296.465	4294.205	4299.740	4294.205	4296.465	4294.205	4299.740
180	4526.486	4526.486	4526.486	4526.486	4526.486	4526.486	4526.486	4526.486	4526.486

COEFFICIENTS OF UTILIZATION



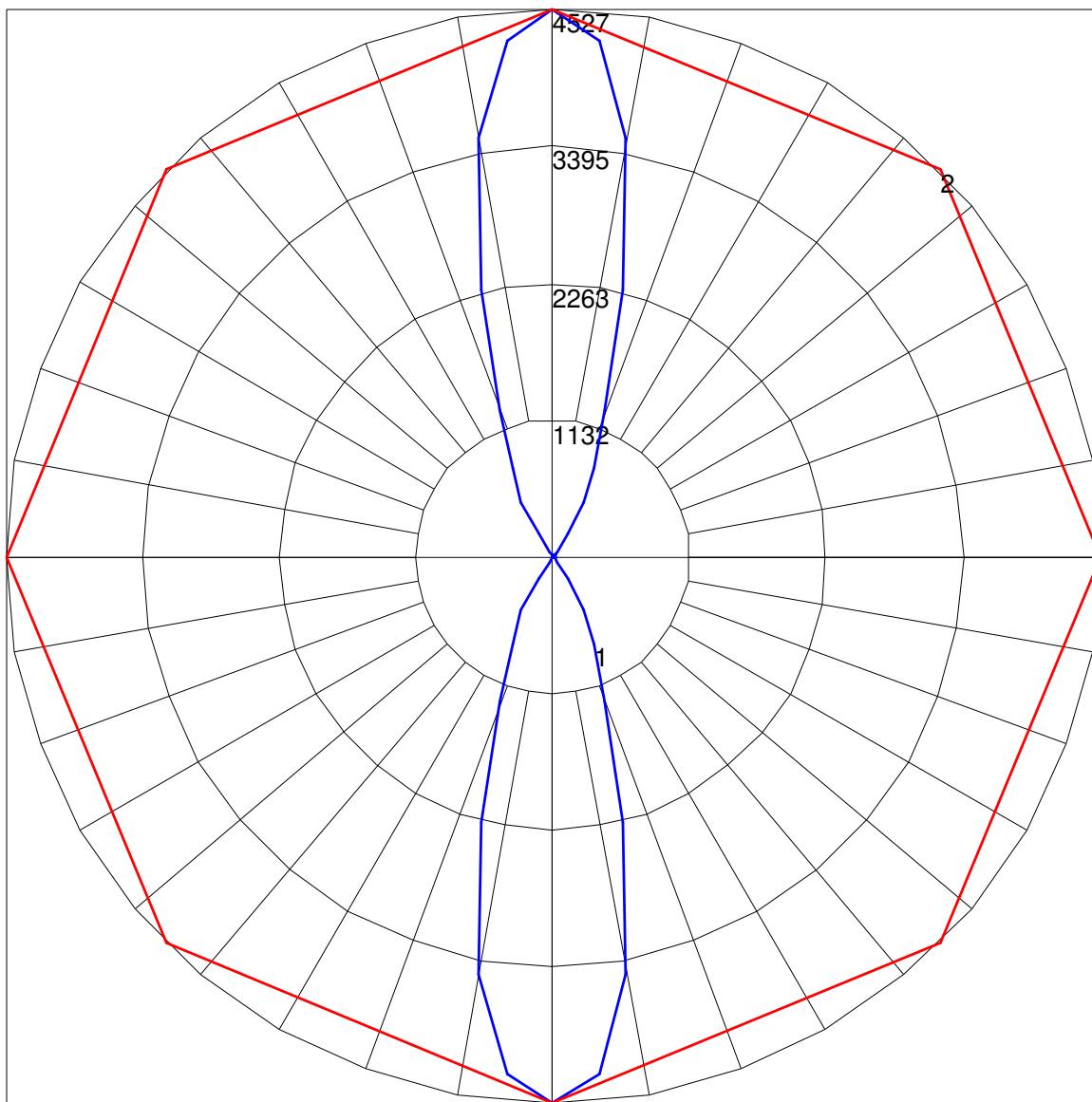
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	814.9	25.0
Downward House Side	814.9	25.0
Downward Total	1629.8	50.0
Upward Street Side	814.9	25.0
Upward House Side	814.9	25.0
Upward Total	1629.8	50.0
Total Flux	3259.6	100.0

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POLAR GRAPH



Maximum Candela = 4526.94 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.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

