

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-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-L15-940U-L15-940D-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	3162
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4391.132
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4391.132
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.283 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.855 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	691.7	N.A.	21.9
FM - Front-Medium (30-60)	93.9	N.A.	3.0
FH - Front-High (60-80)	4.6	N.A.	0.1
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	691.7	N.A.	21.9
BM - Back-Medium (30-60)	93.9	N.A.	3.0
BH - Back-High (60-80)	4.6	N.A.	0.1
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)	1580.4	N.A.	50.0
Total	3162.0	N.A.	100.0
BUG Rating	B2-U5-G0		

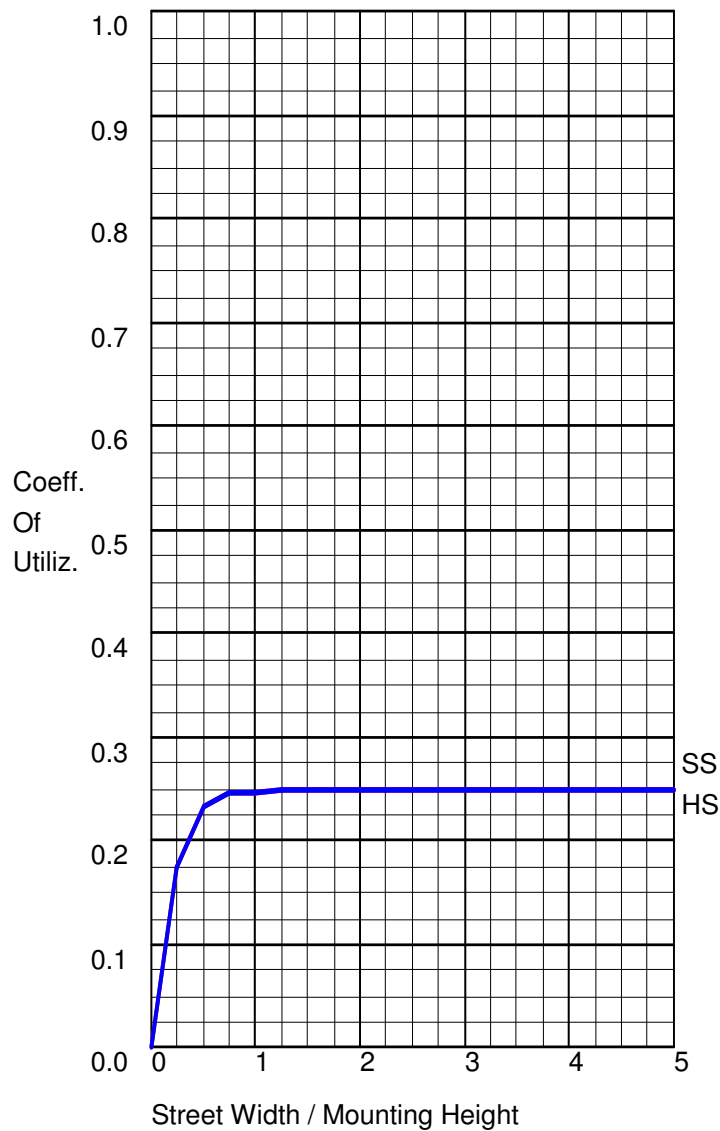
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CANDELA TABULATION

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	4391.132	4391.132	4391.132	4391.132	4391.132	4391.132	4391.132	4391.132	4391.132
5	4170.748	4165.379	4167.571	4165.379	4170.748	4165.379	4167.571	4165.379	4170.748
10	3413.514	3404.847	3422.202	3404.847	3413.514	3404.847	3422.202	3404.847	3413.514
15	2209.288	2238.084	2265.600	2238.084	2209.288	2238.084	2265.600	2238.084	2209.288
20	1242.649	1286.561	1308.551	1286.561	1242.649	1286.561	1308.551	1286.561	1242.649
25	782.019	810.013	810.563	810.013	782.019	810.013	810.563	810.013	782.019
30	501.658	512.039	515.531	512.039	501.658	512.039	515.531	512.039	501.658
35	210.794	210.165	210.878	210.165	210.794	210.165	210.878	210.165	210.794
40	50.807	48.568	48.484	48.568	50.807	48.568	48.484	48.568	50.807
45	22.331	23.547	24.491	23.547	22.331	23.547	24.491	23.547	22.331
50	22.562	23.165	23.511	23.165	22.562	23.165	23.511	23.165	22.562
55	17.916	18.273	18.231	18.273	17.916	18.273	18.231	18.273	17.916
60	10.313	10.266	10.256	10.266	10.313	10.266	10.256	10.266	10.313
65	6.114	6.045	6.051	6.045	6.114	6.045	6.051	6.045	6.114
70	4.163	4.105	4.116	4.105	4.163	4.105	4.116	4.105	4.163
75	2.564	2.464	2.407	2.464	2.564	2.464	2.407	2.464	2.564
80	0.855	0.828	0.828	0.828	0.855	0.828	0.828	0.828	0.855
85	0.619	0.613	0.613	0.613	0.619	0.613	0.613	0.613	0.619
90	0.283	0.262	0.241	0.262	0.283	0.262	0.241	0.262	0.283
95	0.619	0.613	0.613	0.613	0.619	0.613	0.613	0.613	0.619
100	0.855	0.828	0.828	0.828	0.855	0.828	0.828	0.828	0.855
105	2.564	2.464	2.407	2.464	2.564	2.464	2.407	2.464	2.564
110	4.163	4.105	4.116	4.105	4.163	4.105	4.116	4.105	4.163
115	6.114	6.045	6.051	6.045	6.114	6.045	6.051	6.045	6.114
120	10.313	10.266	10.256	10.266	10.313	10.266	10.256	10.266	10.313
125	17.916	18.273	18.231	18.273	17.916	18.273	18.231	18.273	17.916
130	22.562	23.165	23.511	23.165	22.562	23.165	23.511	23.165	22.562
135	22.331	23.547	24.491	23.547	22.331	23.547	24.491	23.547	22.331
140	50.807	48.568	48.484	48.568	50.807	48.568	48.484	48.568	50.807
145	210.794	210.165	210.878	210.165	210.794	210.165	210.878	210.165	210.794
150	501.658	512.039	515.531	512.039	501.658	512.039	515.531	512.039	501.658
155	782.019	810.013	810.563	810.013	782.019	810.013	810.563	810.013	782.019
160	1242.649	1286.561	1308.551	1286.561	1242.649	1286.561	1308.551	1286.561	1242.649
165	2209.288	2238.084	2265.600	2238.084	2209.288	2238.084	2265.600	2238.084	2209.288
170	3413.514	3404.847	3422.202	3404.847	3413.514	3404.847	3422.202	3404.847	3413.514
175	4170.748	4165.379	4167.571	4165.379	4170.748	4165.379	4167.571	4165.379	4170.748
180	4390.692	4390.692	4390.692	4390.692	4390.692	4390.692	4390.692	4390.692	4390.692

COEFFICIENTS OF UTILIZATION



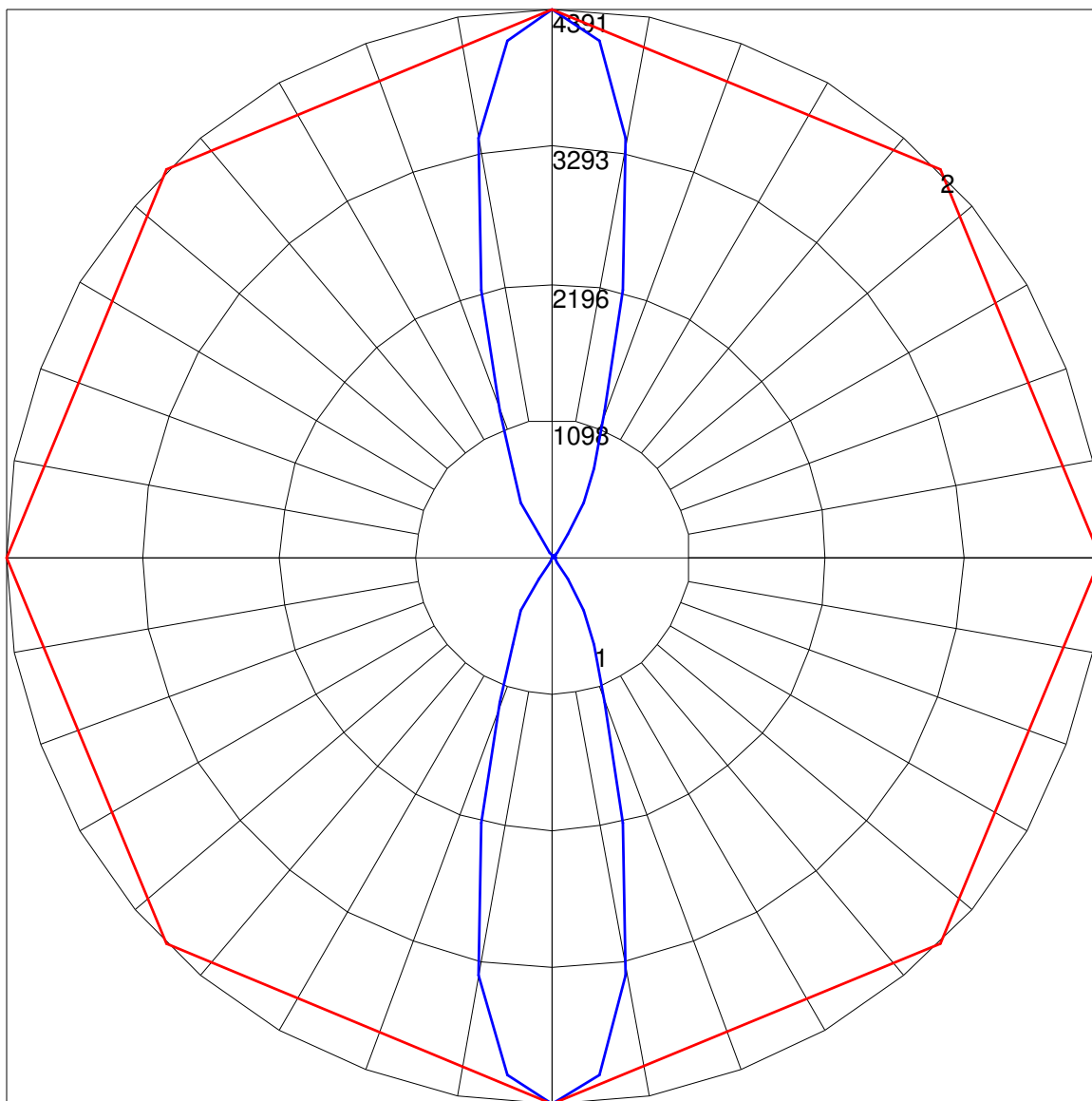
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	790.5	25.0
Downward House Side	790.5	25.0
Downward Total	1581.0	50.0
Upward Street Side	790.5	25.0
Upward House Side	790.5	25.0
Upward Total	1581.0	50.0
Total Flux	3162.0	100.0

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POLAR GRAPH



Maximum Candela = 4391.132 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

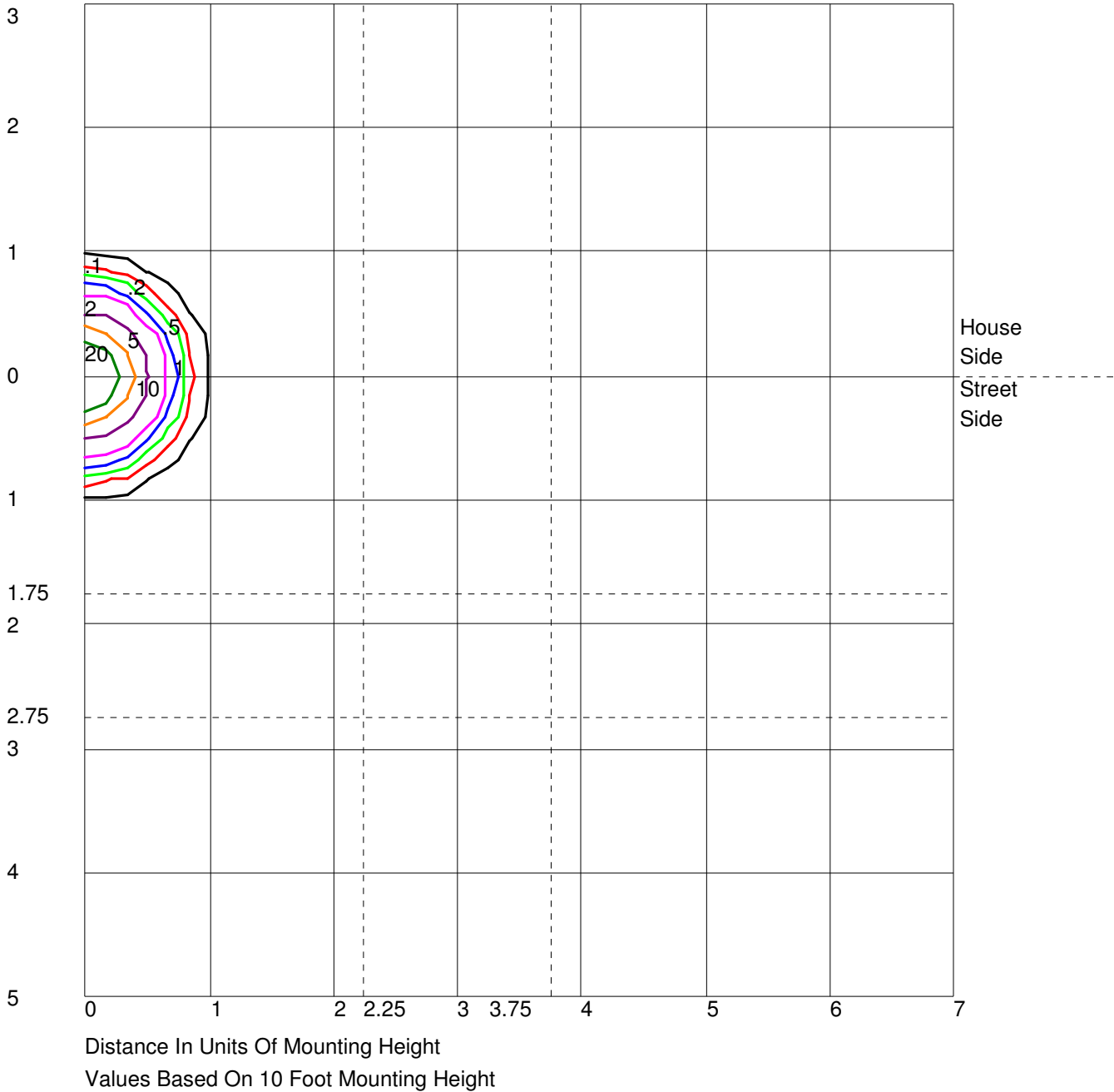


PHOTO LUMENS

