

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-840U-L10-840D-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-L10-840U-L10-840D-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	2234
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3102.371
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3102.371
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.2 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.604 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-840U-L10-840D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	488.7	N.A.	21.9
FM - Front-Medium (30-60)	66.4	N.A.	3.0
FH - Front-High (60-80)	3.2	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	488.7	N.A.	21.9
BM - Back-Medium (30-60)	66.4	N.A.	3.0
BH - Back-High (60-80)	3.2	N.A.	0.1
BVH - Back-Very High (80-90)	0.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.4	N.A.	0.0
UH - Uplight-High (100-180)	1116.5	N.A.	50.0
Total	2233.9	N.A.	100.0
BUG Rating	B1-U5-G0		

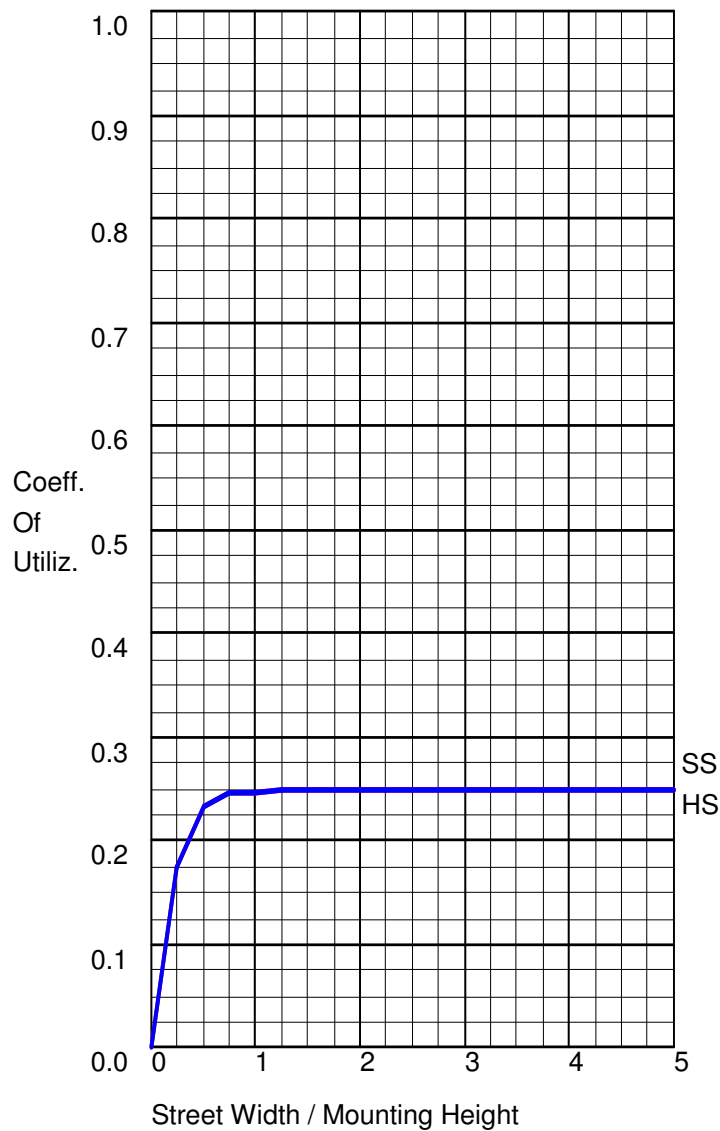
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CANDELA TABULATION

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	3102.371	3102.371	3102.371	3102.371	3102.371	3102.371	3102.371	3102.371	3102.371
5	2946.668	2942.874	2944.423	2942.874	2946.668	2942.874	2944.423	2942.874	2946.668
10	2411.675	2405.552	2417.814	2405.552	2411.675	2405.552	2417.814	2405.552	2411.675
15	1560.880	1581.224	1600.665	1581.224	1560.880	1581.224	1600.665	1581.224	1560.880
20	877.941	908.966	924.502	908.966	877.941	908.966	924.502	908.966	877.941
25	552.503	572.281	572.670	572.281	552.503	572.281	572.670	572.281	552.503
30	354.425	361.760	364.227	361.760	354.425	361.760	364.227	361.760	354.425
35	148.928	148.483	148.987	148.483	148.928	148.483	148.987	148.483	148.928
40	35.896	34.314	34.255	34.314	35.896	34.314	34.255	34.314	35.896
45	15.777	16.636	17.303	16.636	15.777	16.636	17.303	16.636	15.777
50	15.940	16.366	16.611	16.366	15.940	16.366	16.611	16.366	15.940
55	12.658	12.910	12.880	12.910	12.658	12.910	12.880	12.910	12.658
60	7.287	7.253	7.246	7.253	7.287	7.253	7.246	7.253	7.287
65	4.319	4.271	4.275	4.271	4.319	4.271	4.275	4.271	4.319
70	2.941	2.901	2.908	2.901	2.941	2.901	2.908	2.901	2.941
75	1.811	1.741	1.700	1.741	1.811	1.741	1.700	1.741	1.811
80	0.604	0.585	0.585	0.585	0.604	0.585	0.585	0.585	0.604
85	0.437	0.433	0.433	0.433	0.437	0.433	0.433	0.433	0.437
90	0.200	0.185	0.170	0.185	0.200	0.185	0.170	0.185	0.200
95	0.437	0.433	0.433	0.433	0.437	0.433	0.433	0.433	0.437
100	0.604	0.585	0.585	0.585	0.604	0.585	0.585	0.585	0.604
105	1.811	1.741	1.700	1.741	1.811	1.741	1.700	1.741	1.811
110	2.941	2.901	2.908	2.901	2.941	2.901	2.908	2.901	2.941
115	4.319	4.271	4.275	4.271	4.319	4.271	4.275	4.271	4.319
120	7.287	7.253	7.246	7.253	7.287	7.253	7.246	7.253	7.287
125	12.658	12.910	12.880	12.910	12.658	12.910	12.880	12.910	12.658
130	15.940	16.366	16.611	16.366	15.940	16.366	16.611	16.366	15.940
135	15.777	16.636	17.303	16.636	15.777	16.636	17.303	16.636	15.777
140	35.896	34.314	34.255	34.314	35.896	34.314	34.255	34.314	35.896
145	148.928	148.483	148.987	148.483	148.928	148.483	148.987	148.483	148.928
150	354.425	361.760	364.227	361.760	354.425	361.760	364.227	361.760	354.425
155	552.503	572.281	572.670	572.281	552.503	572.281	572.670	572.281	552.503
160	877.941	908.966	924.502	908.966	877.941	908.966	924.502	908.966	877.941
165	1560.880	1581.224	1600.665	1581.224	1560.880	1581.224	1600.665	1581.224	1560.880
170	2411.675	2405.552	2417.814	2405.552	2411.675	2405.552	2417.814	2405.552	2411.675
175	2946.668	2942.874	2944.423	2942.874	2946.668	2942.874	2944.423	2942.874	2946.668
180	3102.060	3102.060	3102.060	3102.060	3102.060	3102.060	3102.060	3102.060	3102.060

COEFFICIENTS OF UTILIZATION



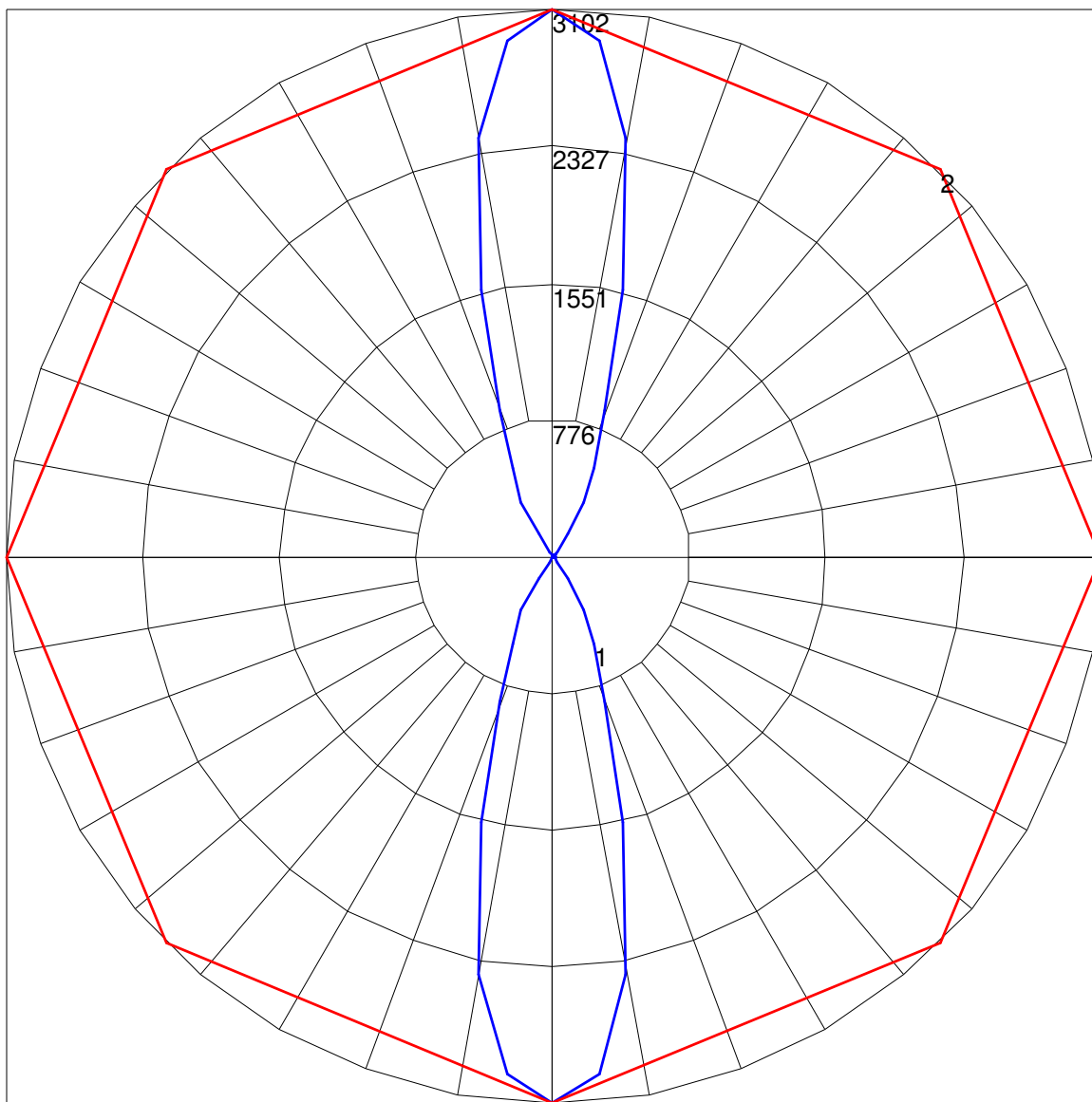
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	558.5	25.0
Downward House Side	558.5	25.0
Downward Total	1117.0	50.0
Upward Street Side	558.5	25.0
Upward House Side	558.5	25.0
Upward Total	1117.0	50.0
Total Flux	2234.0	100.0

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POLAR GRAPH



Maximum Candela = 3102.371 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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Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO LUMENS

