

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-940U-L10-940D-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-L10-940U-L10-940D-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	2146
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2979.504
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2979.504
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.192 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.58 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L10-940U-L10-940D-XXX-DIM-UNV-N-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	469.3	N.A.	21.9
FM - Front-Medium (30-60)	63.7	N.A.	3.0
FH - Front-High (60-80)	3.1	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	469.3	N.A.	21.9
BM - Back-Medium (30-60)	63.7	N.A.	3.0
BH - Back-High (60-80)	3.1	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)	1072.3	N.A.	50.0
Total	2145.3	N.A.	100.0
BUG Rating	B1-U5-G0		

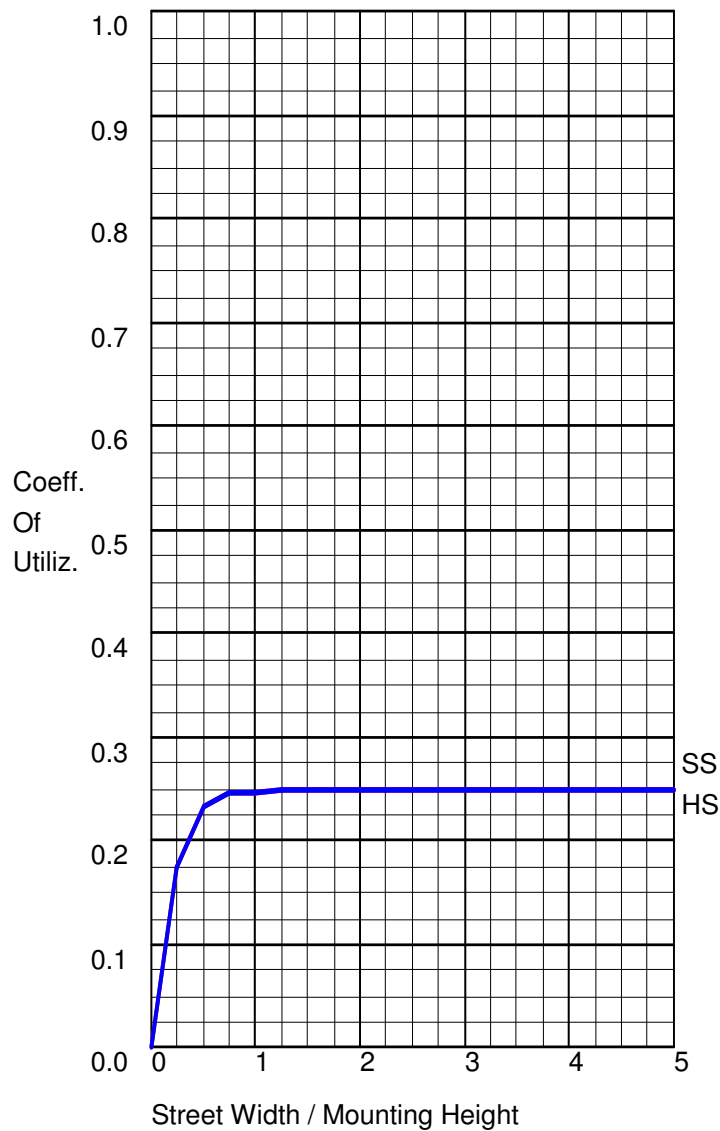
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## CANDELA TABULATION

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	2979.504	2979.504	2979.504	2979.504	2979.504	2979.504	2979.504	2979.504	2979.504
5	2829.968	2826.325	2827.812	2826.325	2829.968	2826.325	2827.812	2826.325	2829.968
10	2316.163	2310.282	2322.058	2310.282	2316.163	2310.282	2322.058	2310.282	2316.163
15	1499.063	1518.601	1537.272	1518.601	1499.063	1518.601	1537.272	1518.601	1499.063
20	843.171	872.967	887.888	872.967	843.171	872.967	887.888	872.967	843.171
25	530.622	549.616	549.990	549.616	530.622	549.616	549.990	549.616	530.622
30	340.389	347.433	349.802	347.433	340.389	347.433	349.802	347.433	340.389
35	143.030	142.603	143.087	142.603	143.030	142.603	143.087	142.603	143.030
40	34.474	32.955	32.898	32.955	34.474	32.955	32.898	32.955	34.474
45	15.152	15.978	16.618	15.978	15.152	15.978	16.618	15.978	15.152
50	15.309	15.718	15.953	15.718	15.309	15.718	15.953	15.718	15.309
55	12.157	12.399	12.370	12.399	12.157	12.399	12.370	12.399	12.157
60	6.998	6.966	6.959	6.966	6.998	6.966	6.959	6.966	6.998
65	4.148	4.102	4.106	4.102	4.148	4.102	4.106	4.102	4.148
70	2.825	2.786	2.793	2.786	2.825	2.786	2.793	2.786	2.825
75	1.740	1.672	1.633	1.672	1.740	1.672	1.633	1.672	1.740
80	0.580	0.562	0.562	0.562	0.580	0.562	0.562	0.562	0.580
85	0.420	0.416	0.416	0.416	0.420	0.416	0.416	0.416	0.420
90	0.192	0.178	0.164	0.178	0.192	0.178	0.164	0.178	0.192
95	0.420	0.416	0.416	0.416	0.420	0.416	0.416	0.416	0.420
100	0.580	0.562	0.562	0.562	0.580	0.562	0.562	0.562	0.580
105	1.740	1.672	1.633	1.672	1.740	1.672	1.633	1.672	1.740
110	2.825	2.786	2.793	2.786	2.825	2.786	2.793	2.786	2.825
115	4.148	4.102	4.106	4.102	4.148	4.102	4.106	4.102	4.148
120	6.998	6.966	6.959	6.966	6.998	6.966	6.959	6.966	6.998
125	12.157	12.399	12.370	12.399	12.157	12.399	12.370	12.399	12.157
130	15.309	15.718	15.953	15.718	15.309	15.718	15.953	15.718	15.309
135	15.152	15.978	16.618	15.978	15.152	15.978	16.618	15.978	15.152
140	34.474	32.955	32.898	32.955	34.474	32.955	32.898	32.955	34.474
145	143.030	142.603	143.087	142.603	143.030	142.603	143.087	142.603	143.030
150	340.389	347.433	349.802	347.433	340.389	347.433	349.802	347.433	340.389
155	530.622	549.616	549.990	549.616	530.622	549.616	549.990	549.616	530.622
160	843.171	872.967	887.888	872.967	843.171	872.967	887.888	872.967	843.171
165	1499.063	1518.601	1537.272	1518.601	1499.063	1518.601	1537.272	1518.601	1499.063
170	2316.163	2310.282	2322.058	2310.282	2316.163	2310.282	2322.058	2310.282	2316.163
175	2829.968	2826.325	2827.812	2826.325	2829.968	2826.325	2827.812	2826.325	2829.968
180	2979.205	2979.205	2979.205	2979.205	2979.205	2979.205	2979.205	2979.205	2979.205

COEFFICIENTS OF UTILIZATION



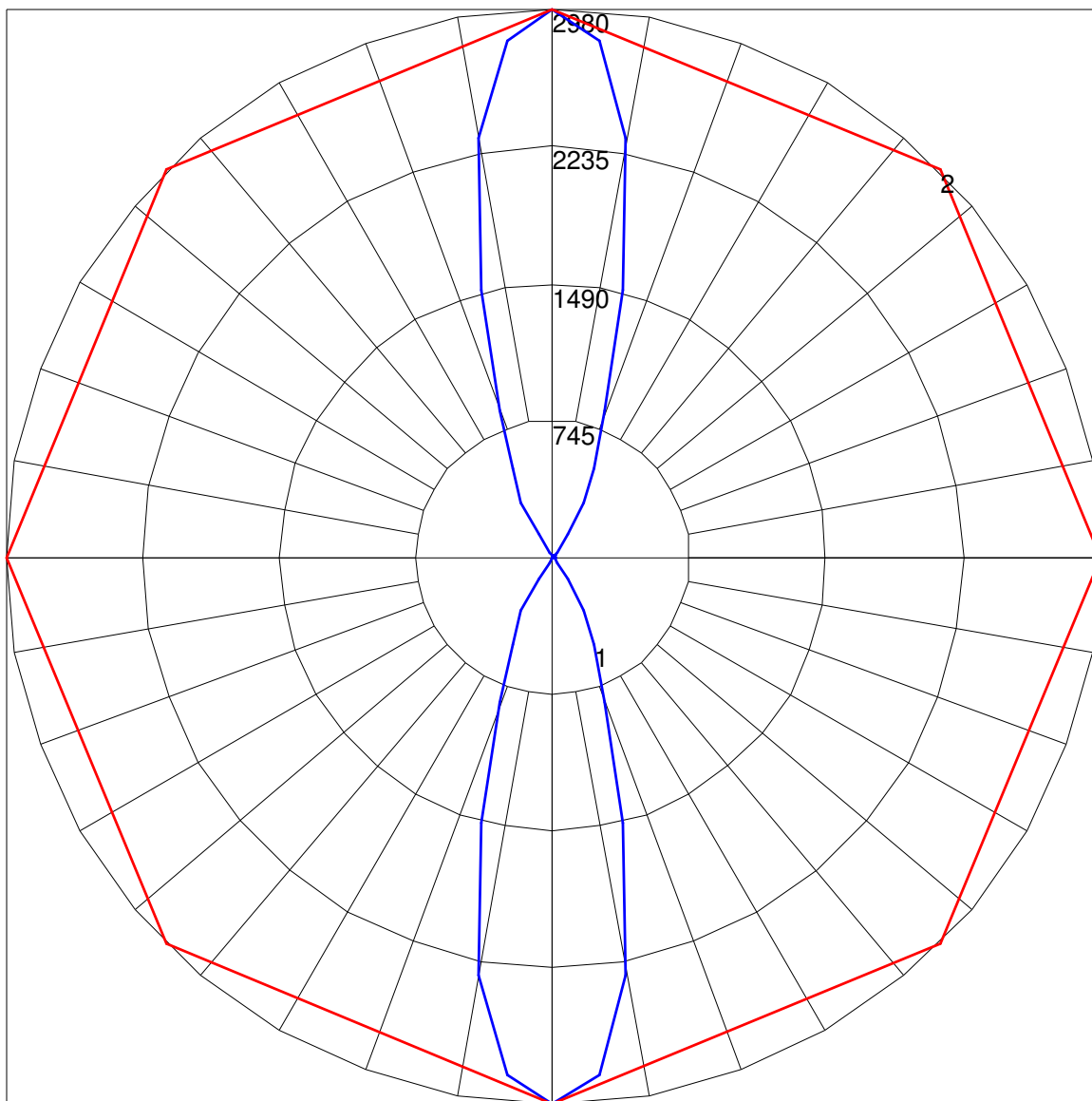
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	536.4	25.0
Downward House Side	536.4	25.0
Downward Total	1072.8	50.0
Upward Street Side	536.4	25.0
Upward House Side	536.4	25.0
Upward Total	1072.8	50.0
Total Flux	2145.6	100.0

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## POLAR GRAPH



Maximum Candela = 2979.504 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

