

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-830U-L10-830D-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-L10-830U-L10-830D-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	2212
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3071.654
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3071.654
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.198 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.598 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-830U-L10-830D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	483.8	N.A.	21.9
FM - Front-Medium (30-60)	65.7	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)	483.8	N.A.	21.9
BM - Back-Medium (30-60)	65.7	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)	1105.5	N.A.	50.0
Total	2211.7	N.A.	100.0
BUG Rating	B1-U5-G0		

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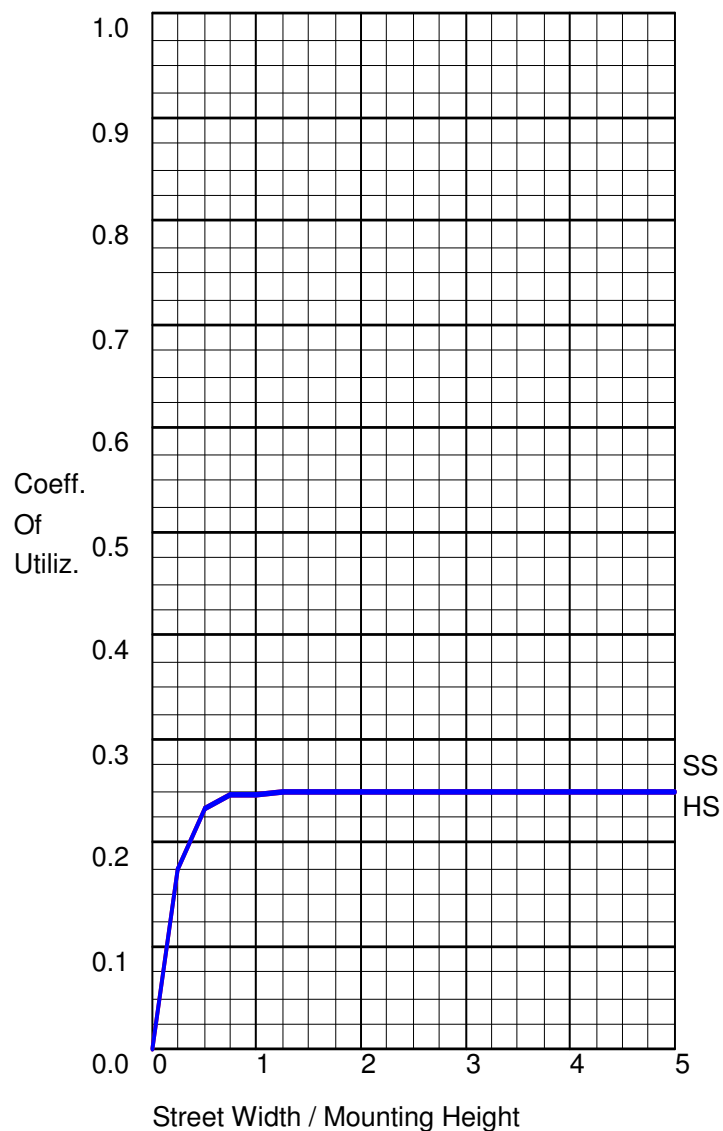
CANDELA TABULATION

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	3071.654	3071.654	3071.654	3071.654	3071.654	3071.654	3071.654	3071.654	3071.654
5	2917.493	2913.737	2915.270	2913.737	2917.493	2913.737	2915.270	2913.737	2917.493
10	2387.797	2381.735	2393.875	2381.735	2387.797	2381.735	2393.875	2381.735	2387.797
15	1545.426	1565.569	1584.817	1565.569	1545.426	1565.569	1584.817	1565.569	1545.426
20	869.249	899.966	915.348	899.966	869.249	899.966	915.348	899.966	869.249
25	547.033	566.615	567.000	566.615	547.033	566.615	567.000	566.615	547.033
30	350.916	358.178	360.621	358.178	350.916	358.178	360.621	358.178	350.916
35	147.453	147.013	147.512	147.013	147.453	147.013	147.512	147.013	147.453
40	35.540	33.974	33.915	33.974	35.540	33.974	33.915	33.974	35.540
45	15.621	16.472	17.132	16.472	15.621	16.472	17.132	16.472	15.621
50	15.782	16.204	16.446	16.204	15.782	16.204	16.446	16.204	15.782
55	12.533	12.782	12.753	12.782	12.533	12.782	12.753	12.782	12.533
60	7.214	7.181	7.174	7.181	7.214	7.181	7.174	7.181	7.214
65	4.277	4.229	4.233	4.229	4.277	4.229	4.233	4.229	4.277
70	2.912	2.872	2.879	2.872	2.912	2.872	2.879	2.872	2.912
75	1.794	1.724	1.683	1.724	1.794	1.724	1.683	1.724	1.794
80	0.598	0.579	0.579	0.579	0.598	0.579	0.579	0.579	0.598
85	0.433	0.429	0.429	0.429	0.433	0.429	0.429	0.429	0.433
90	0.198	0.183	0.169	0.183	0.198	0.183	0.169	0.183	0.198
95	0.433	0.429	0.429	0.429	0.433	0.429	0.429	0.429	0.433
100	0.598	0.579	0.579	0.579	0.598	0.579	0.579	0.579	0.598
105	1.794	1.724	1.683	1.724	1.794	1.724	1.683	1.724	1.794
110	2.912	2.872	2.879	2.872	2.912	2.872	2.879	2.872	2.912
115	4.277	4.229	4.233	4.229	4.277	4.229	4.233	4.229	4.277
120	7.214	7.181	7.174	7.181	7.214	7.181	7.174	7.181	7.214
125	12.533	12.782	12.753	12.782	12.533	12.782	12.753	12.782	12.533
130	15.782	16.204	16.446	16.204	15.782	16.204	16.446	16.204	15.782
135	15.621	16.472	17.132	16.472	15.621	16.472	17.132	16.472	15.621
140	35.540	33.974	33.915	33.974	35.540	33.974	33.915	33.974	35.540
145	147.453	147.013	147.512	147.013	147.453	147.013	147.512	147.013	147.453
150	350.916	358.178	360.621	358.178	350.916	358.178	360.621	358.178	350.916
155	547.033	566.615	567.000	566.615	547.033	566.615	567.000	566.615	547.033
160	869.249	899.966	915.348	899.966	869.249	899.966	915.348	899.966	869.249
165	1545.426	1565.569	1584.817	1565.569	1545.426	1565.569	1584.817	1565.569	1545.426
170	2387.797	2381.735	2393.875	2381.735	2387.797	2381.735	2393.875	2381.735	2387.797
175	2917.493	2913.737	2915.270	2913.737	2917.493	2913.737	2915.270	2913.737	2917.493
180	3071.346	3071.346	3071.346	3071.346	3071.346	3071.346	3071.346	3071.346	3071.346

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COEFFICIENTS OF UTILIZATION



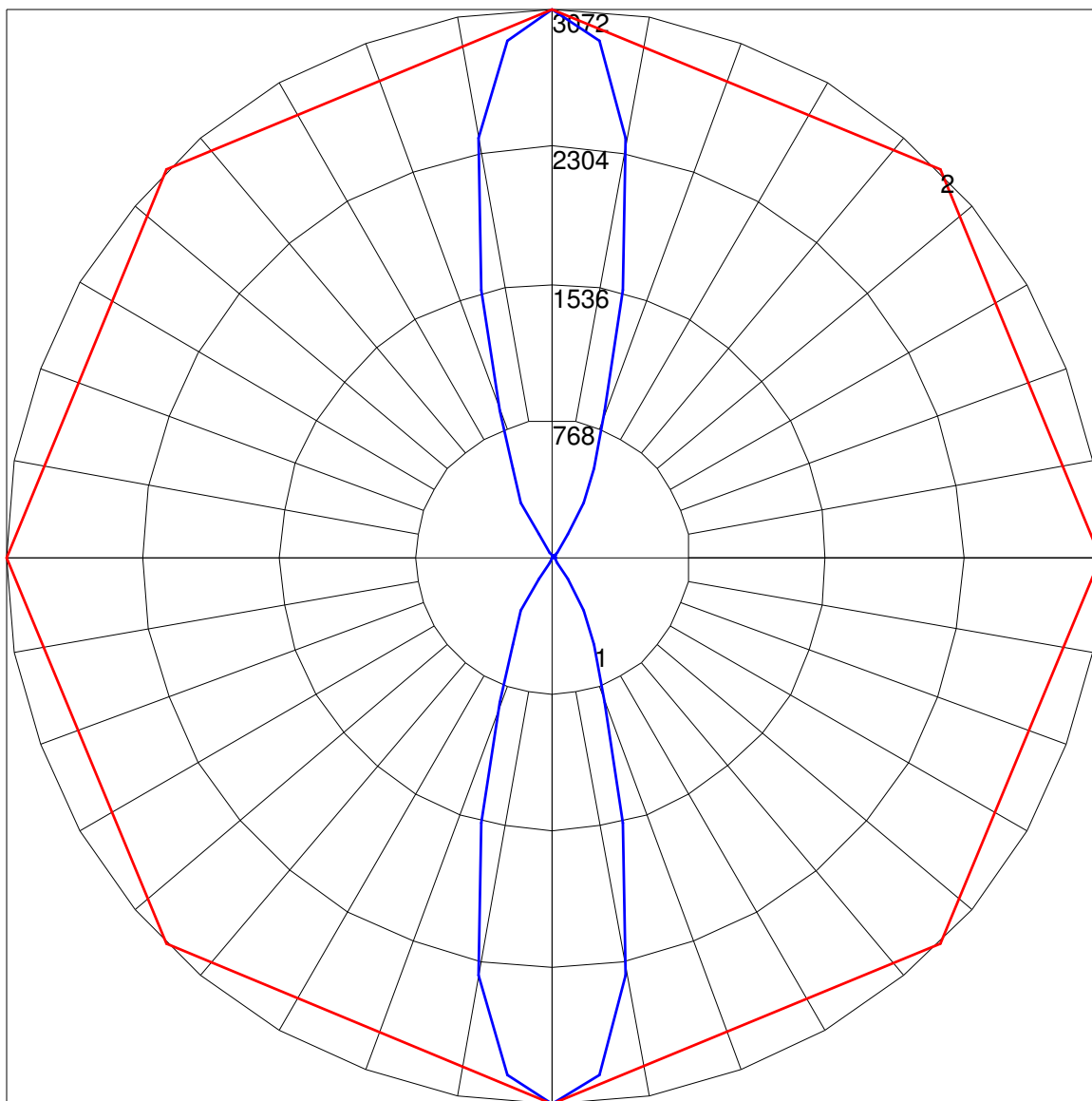
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	553.0	25.0
Downward House Side	553.0	25.0
Downward Total	1106.0	50.0
Upward Street Side	553.0	25.0
Upward House Side	553.0	25.0
Upward Total	1106.0	50.0
Total Flux	2212.0	100.0

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POLAR GRAPH



Maximum Candela = 3071.654 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

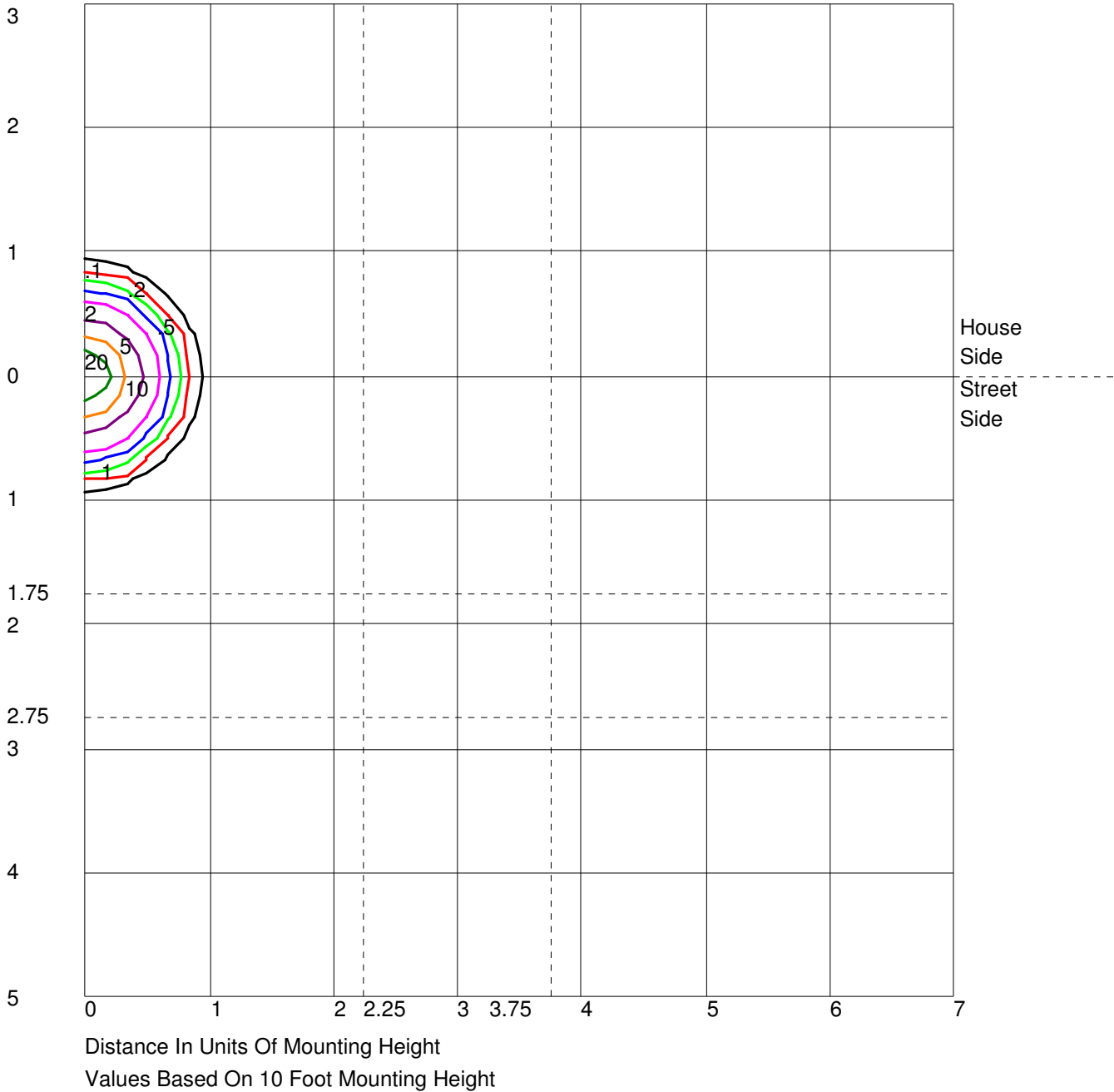


PHOTO LUMENS

