

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-S-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-G2-S_(V13)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC.
[MORE] CARTHAGE, MO. 64836
[LUMCAT] W4CRDI-xx-L10-850U-L10-850D-xxx-DIM-UNV-S-xx
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT LED
[MORE] CYLINDER W/SPOT DISTRIBUTION
[LAMPCAT] BL VERO COB
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2299
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4993.692
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4993.692
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.103 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.275 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	520.1	N.A.	22.6
FM - Front-Medium (30-60)	52.9	N.A.	2.3
FH - Front-High (60-80)	1.5	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	520.1	N.A.	22.6
BM - Back-Medium (30-60)	52.9	N.A.	2.3
BH - Back-High (60-80)	1.5	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	1149.1	N.A.	50.0
Total	2298.5	N.A.	100.0
BUG Rating	B2-U5-G0		

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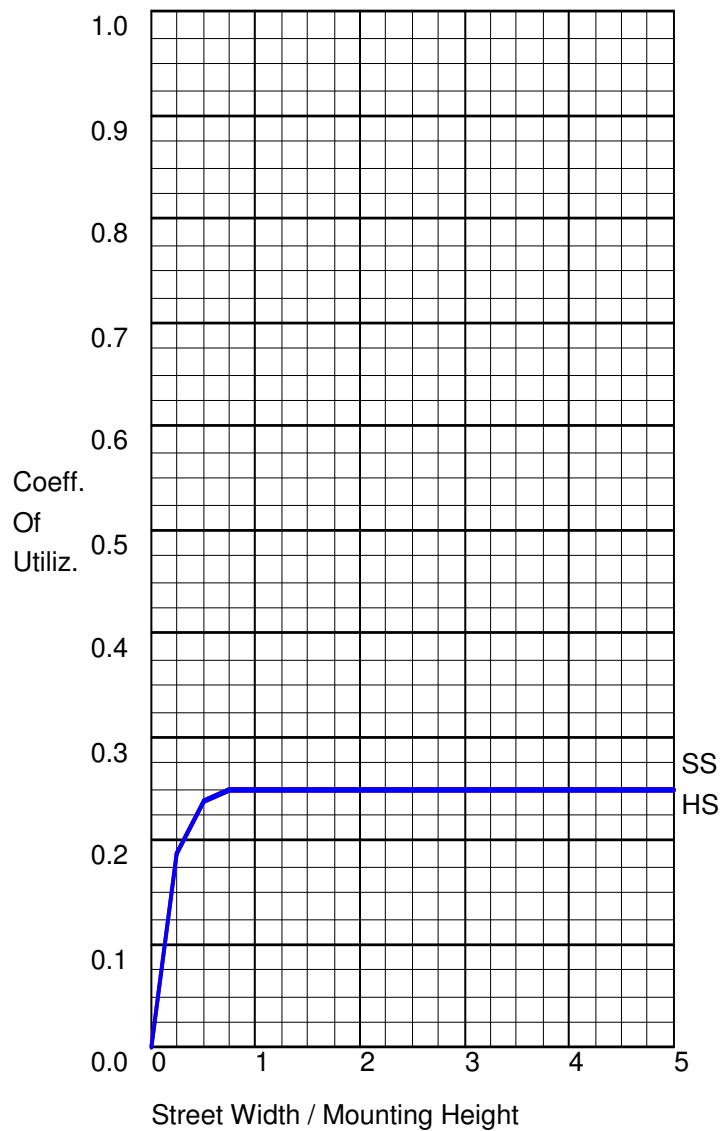
CANDELA TABULATION

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	4993.692	4993.692	4993.692	4993.692	4993.692	4993.692	4993.692	4993.692	4993.692
5	4433.239	4427.907	4444.644	4427.907	4433.239	4427.907	4444.644	4427.907	4433.239
10	2754.365	2800.736	2797.736	2800.736	2754.365	2800.736	2797.736	2800.736	2754.365
15	1379.810	1430.957	1422.768	1430.957	1379.810	1430.957	1422.768	1430.957	1379.810
20	760.740	782.915	781.589	782.915	760.740	782.915	781.589	782.915	760.740
25	506.204	511.540	505.450	511.540	506.204	511.540	505.450	511.540	506.204
30	315.644	314.380	315.032	314.380	315.644	314.380	315.032	314.380	315.644
35	121.092	124.047	134.385	124.047	121.092	124.047	134.385	124.047	121.092
40	27.262	30.290	33.542	30.290	27.262	30.290	33.542	30.290	27.262
45	9.306	10.503	11.342	10.503	9.306	10.503	11.342	10.503	9.306
50	5.676	6.226	6.306	6.226	5.676	6.226	6.306	6.226	5.676
55	4.091	4.369	4.138	4.369	4.091	4.369	4.138	4.369	4.091
60	3.098	3.193	2.952	3.193	3.098	3.193	2.952	3.193	3.098
65	2.194	2.249	2.040	2.249	2.194	2.249	2.040	2.249	2.194
70	1.421	1.472	1.263	1.472	1.421	1.472	1.263	1.472	1.421
75	0.765	0.780	0.612	0.780	0.765	0.780	0.612	0.780	0.765
80	0.275	0.271	0.260	0.271	0.275	0.271	0.260	0.271	0.275
85	0.198	0.201	0.187	0.201	0.198	0.201	0.187	0.201	0.198
90	0.103	0.095	0.088	0.095	0.103	0.095	0.088	0.095	0.103
95	0.198	0.201	0.187	0.201	0.198	0.201	0.187	0.201	0.198
100	0.275	0.271	0.260	0.271	0.275	0.271	0.260	0.271	0.275
105	0.765	0.780	0.612	0.780	0.765	0.780	0.612	0.780	0.765
110	1.421	1.472	1.263	1.472	1.421	1.472	1.263	1.472	1.421
115	2.194	2.249	2.040	2.249	2.194	2.249	2.040	2.249	2.194
120	3.098	3.193	2.952	3.193	3.098	3.193	2.952	3.193	3.098
125	4.091	4.369	4.138	4.369	4.091	4.369	4.138	4.369	4.091
130	5.676	6.226	6.306	6.226	5.676	6.226	6.306	6.226	5.676
135	9.306	10.503	11.342	10.503	9.306	10.503	11.342	10.503	9.306
140	27.262	30.290	33.542	30.290	27.262	30.290	33.542	30.290	27.262
145	121.092	124.047	134.385	124.047	121.092	124.047	134.385	124.047	121.092
150	315.644	314.380	315.032	314.380	315.644	314.380	315.032	314.380	315.644
155	506.204	511.540	505.450	511.540	506.204	511.540	505.450	511.540	506.204
160	760.740	782.915	781.589	782.915	760.740	782.915	781.589	782.915	760.740
165	1379.810	1430.957	1422.768	1430.957	1379.810	1430.957	1422.768	1430.957	1379.810
170	2754.365	2800.736	2797.736	2800.736	2754.365	2800.736	2797.736	2800.736	2754.365
175	4433.239	4427.907	4444.644	4427.907	4433.239	4427.907	4444.644	4427.907	4433.239
180	4993.447	4993.447	4993.447	4993.447	4993.447	4993.447	4993.447	4993.447	4993.447

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COEFFICIENTS OF UTILIZATION



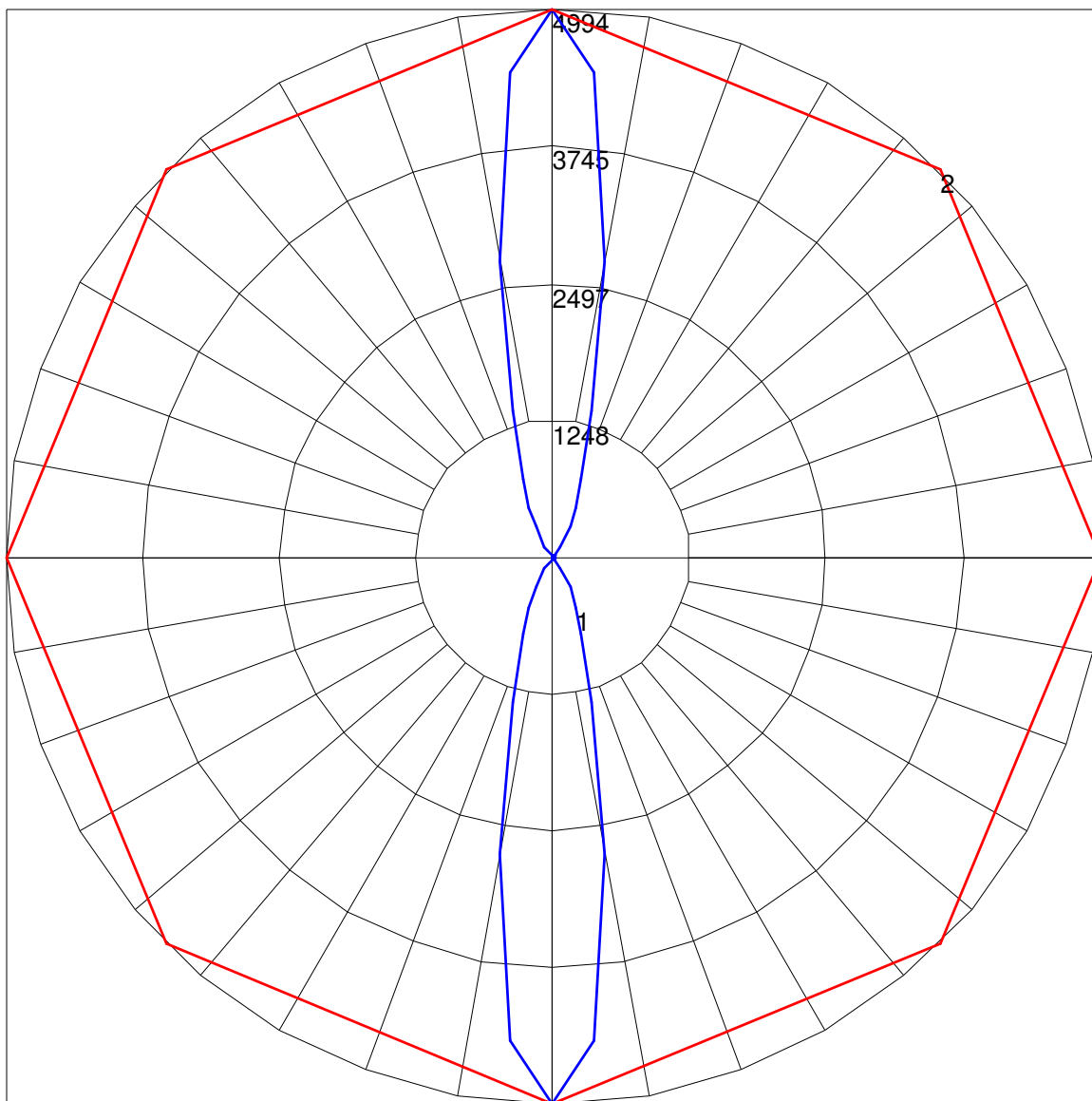
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	574.7	25.0
Downward House Side	574.7	25.0
Downward Total	1149.4	50.0
Upward Street Side	574.7	25.0
Upward House Side	574.7	25.0
Upward Total	1149.4	50.0
Total Flux	2298.8	100.0

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POLAR GRAPH



Maximum Candela = 4993.692 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

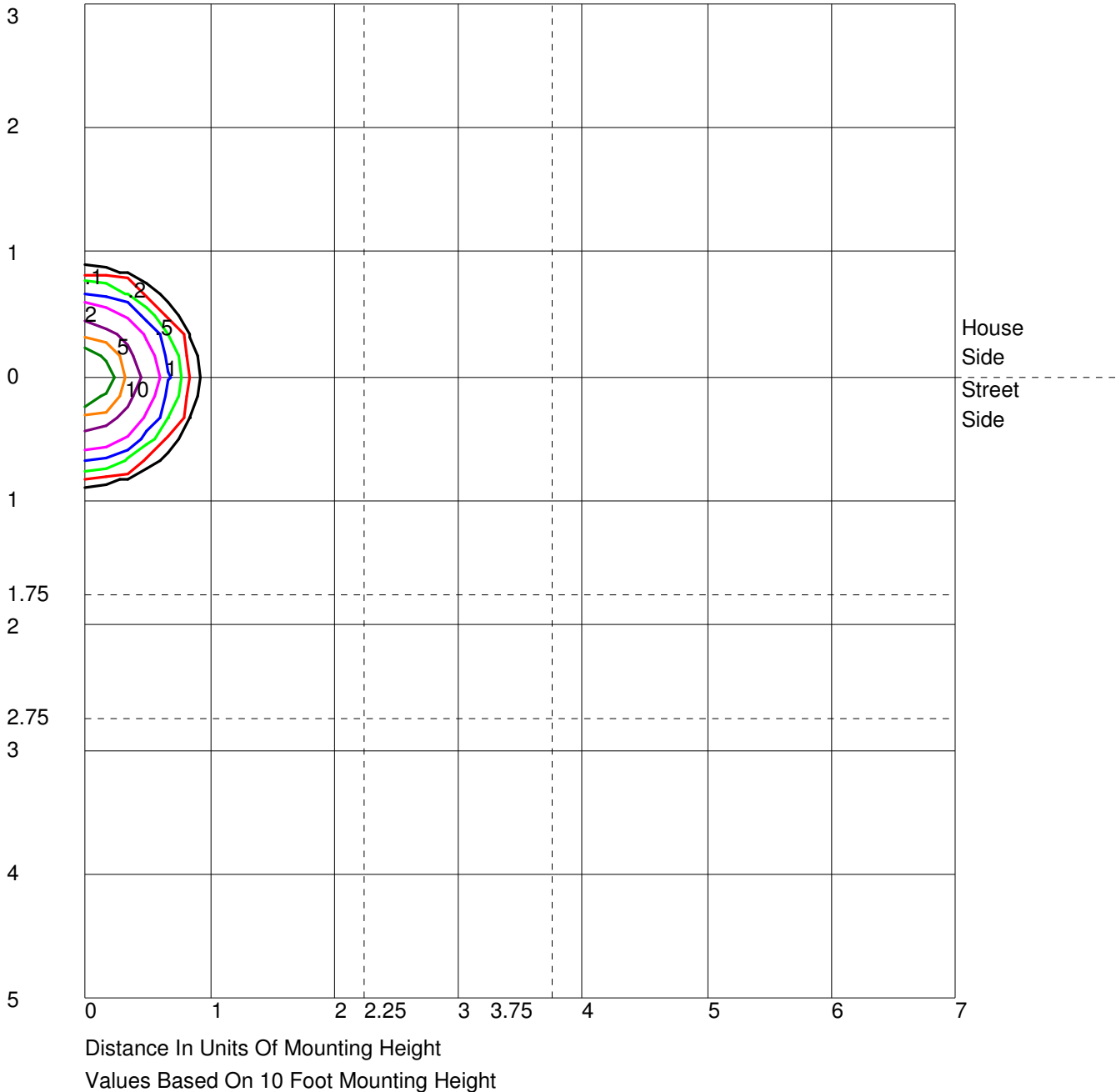


PHOTO LUMENS

