

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-827U-L10-827D-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-L10-827U-L10-827D-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	2275
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4943.251
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4943.251
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.102 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.272 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L10-827U-L10-827D-XXX-DIM-UNV-S-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	514.9	N.A.	22.6
FM - Front-Medium (30-60)	52.4	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)	514.9	N.A.	22.6
BM - Back-Medium (30-60)	52.4	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)	1137.5	N.A.	50.0
Total	2275.5	N.A.	100.0
BUG Rating	B2-U5-G0		

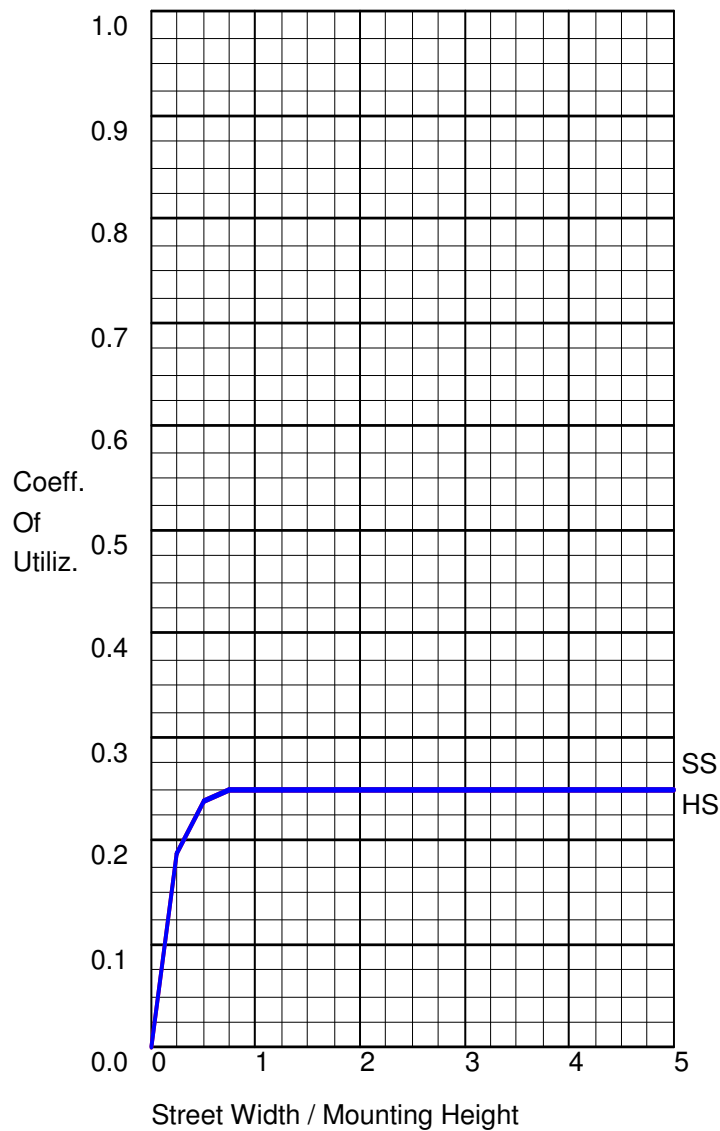
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## CANDELA TABULATION

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	4943.251	4943.251	4943.251	4943.251	4943.251	4943.251	4943.251	4943.251	4943.251
5	4388.459	4383.181	4399.748	4383.181	4388.459	4383.181	4399.748	4383.181	4388.459
10	2726.543	2772.446	2769.476	2772.446	2726.543	2772.446	2769.476	2772.446	2726.543
15	1365.873	1416.503	1408.397	1416.503	1365.873	1416.503	1408.397	1416.503	1365.873
20	753.056	775.006	773.694	775.006	753.056	775.006	773.694	775.006	753.056
25	501.091	506.373	500.344	506.373	501.091	506.373	500.344	506.373	501.091
30	312.455	311.205	311.850	311.205	312.455	311.205	311.850	311.205	312.455
35	119.868	122.794	133.028	122.794	119.868	122.794	133.028	122.794	119.868
40	26.986	29.984	33.204	29.984	26.986	29.984	33.204	29.984	26.986
45	9.212	10.397	11.227	10.397	9.212	10.397	11.227	10.397	9.212
50	5.619	6.163	6.243	6.163	5.619	6.163	6.243	6.163	5.619
55	4.049	4.325	4.097	4.325	4.049	4.325	4.097	4.325	4.049
60	3.067	3.161	2.922	3.161	3.067	3.161	2.922	3.161	3.067
65	2.172	2.226	2.019	2.226	2.172	2.226	2.019	2.226	2.172
70	1.407	1.457	1.251	1.457	1.407	1.457	1.251	1.457	1.407
75	0.758	0.772	0.605	0.772	0.758	0.772	0.605	0.772	0.758
80	0.272	0.268	0.257	0.268	0.272	0.268	0.257	0.268	0.272
85	0.196	0.199	0.185	0.199	0.196	0.199	0.185	0.199	0.196
90	0.102	0.094	0.087	0.094	0.102	0.094	0.087	0.094	0.102
95	0.196	0.199	0.185	0.199	0.196	0.199	0.185	0.199	0.196
100	0.272	0.268	0.257	0.268	0.272	0.268	0.257	0.268	0.272
105	0.758	0.772	0.605	0.772	0.758	0.772	0.605	0.772	0.758
110	1.407	1.457	1.251	1.457	1.407	1.457	1.251	1.457	1.407
115	2.172	2.226	2.019	2.226	2.172	2.226	2.019	2.226	2.172
120	3.067	3.161	2.922	3.161	3.067	3.161	2.922	3.161	3.067
125	4.049	4.325	4.097	4.325	4.049	4.325	4.097	4.325	4.049
130	5.619	6.163	6.243	6.163	5.619	6.163	6.243	6.163	5.619
135	9.212	10.397	11.227	10.397	9.212	10.397	11.227	10.397	9.212
140	26.986	29.984	33.204	29.984	26.986	29.984	33.204	29.984	26.986
145	119.868	122.794	133.028	122.794	119.868	122.794	133.028	122.794	119.868
150	312.455	311.205	311.850	311.205	312.455	311.205	311.850	311.205	312.455
155	501.091	506.373	500.344	506.373	501.091	506.373	500.344	506.373	501.091
160	753.056	775.006	773.694	775.006	753.056	775.006	773.694	775.006	753.056
165	1365.873	1416.503	1408.397	1416.503	1365.873	1416.503	1408.397	1416.503	1365.873
170	2726.543	2772.446	2769.476	2772.446	2726.543	2772.446	2769.476	2772.446	2726.543
175	4388.459	4383.181	4399.748	4383.181	4388.459	4383.181	4399.748	4383.181	4388.459
180	4943.008	4943.008	4943.008	4943.008	4943.008	4943.008	4943.008	4943.008	4943.008

COEFFICIENTS OF UTILIZATION



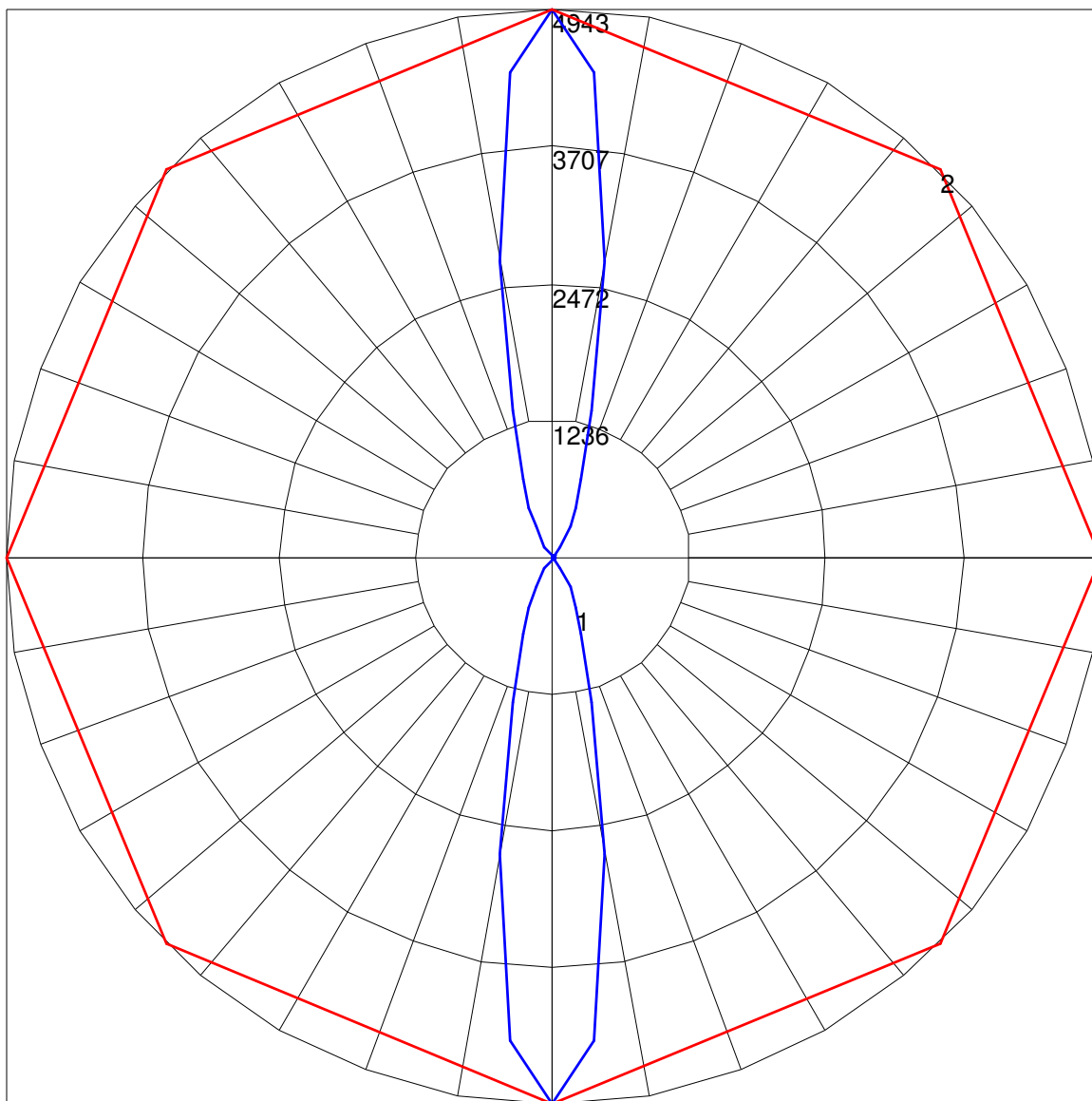
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	568.8	25.0
Downward House Side	568.8	25.0
Downward Total	1137.6	50.0
Upward Street Side	568.8	25.0
Upward House Side	568.8	25.0
Upward Total	1137.6	50.0
Total Flux	2275.2	100.0

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## POLAR GRAPH

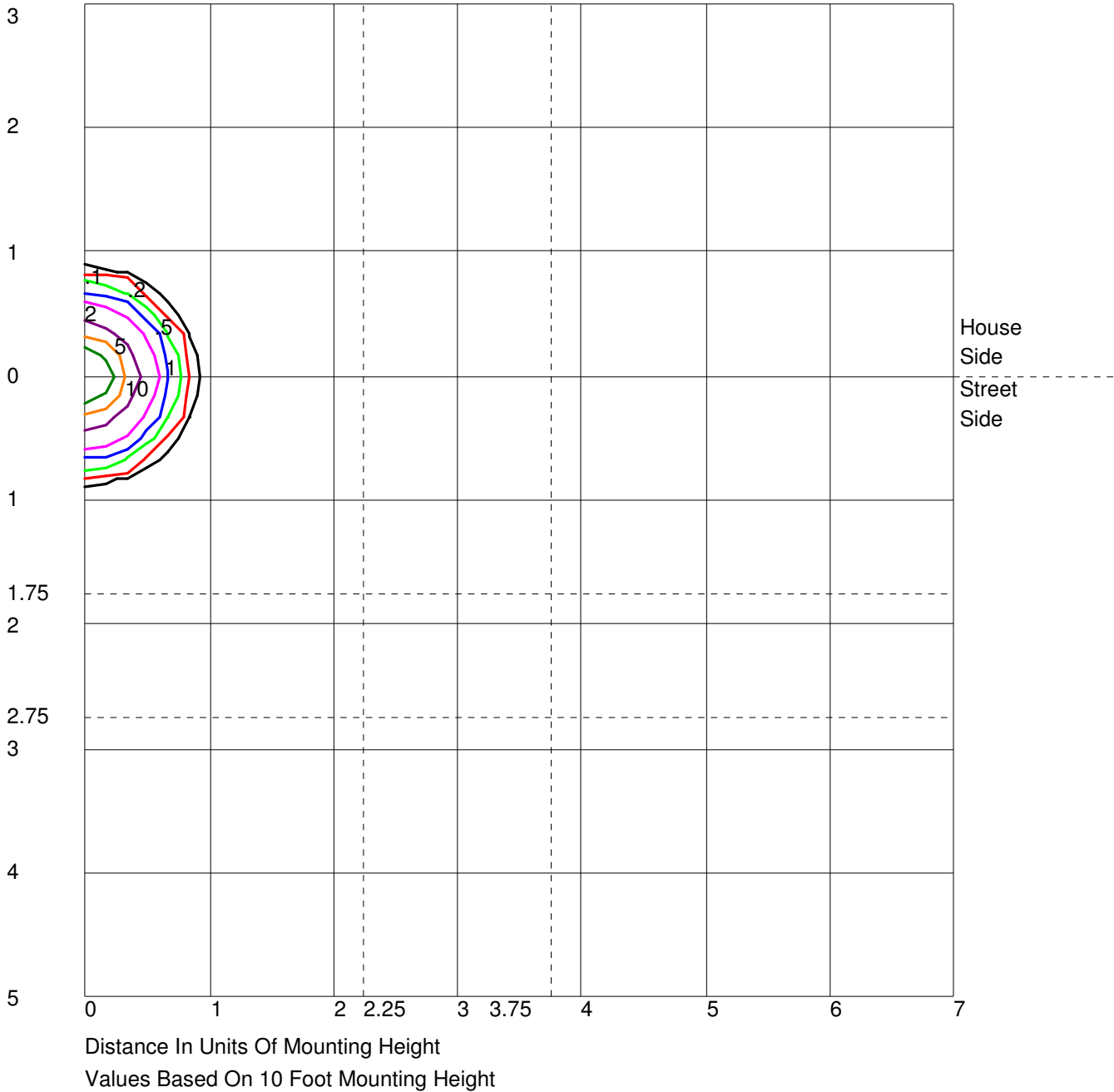


Maximum Candela = 4943.251 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

