

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-830U-L15-830D-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-L15-830U-L15-830D-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	3424
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7438.033
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7438.033
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.153 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.409 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-830U-L15-830D-XXX-DIM-UNV-S-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	774.7	N.A.	22.6
FM - Front-Medium (30-60)	78.8	N.A.	2.3
FH - Front-High (60-80)	2.3	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	774.7	N.A.	22.6
BM - Back-Medium (30-60)	78.8	N.A.	2.3
BH - Back-High (60-80)	2.3	N.A.	0.1
BVH - Back-Very High (80-90)	0.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	1711.6	N.A.	50.0
Total	3423.9	N.A.	100.0
BUG Rating	B2-U5-G0		

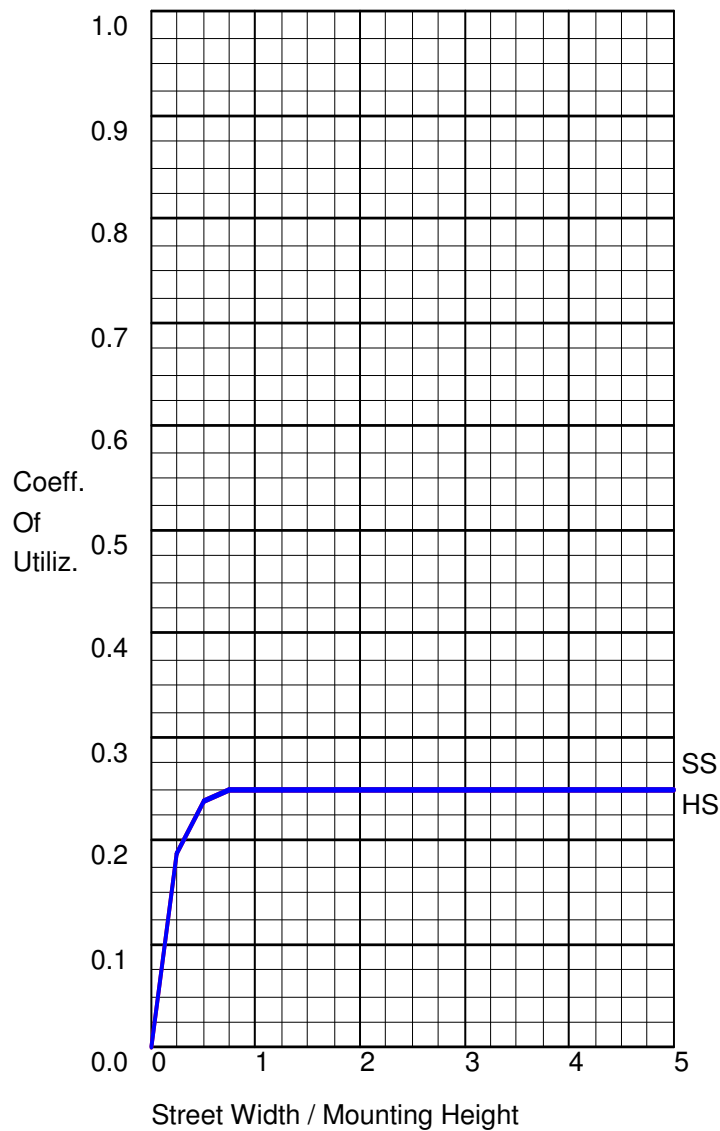
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## CANDELA TABULATION

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	7438.033	7438.033	7438.033	7438.033	7438.033	7438.033	7438.033	7438.033	7438.033
5	6603.247	6595.305	6620.234	6595.305	6603.247	6595.305	6620.234	6595.305	6603.247
10	4102.587	4171.656	4167.189	4171.656	4102.587	4171.656	4167.189	4171.656	4102.587
15	2055.207	2131.390	2119.193	2131.390	2055.207	2131.390	2119.193	2131.390	2055.207
20	1133.111	1166.140	1164.165	1166.140	1133.111	1166.140	1164.165	1166.140	1133.111
25	753.984	761.931	752.860	761.931	753.984	761.931	752.860	761.931	753.984
30	470.147	468.265	469.236	468.265	470.147	468.265	469.236	468.265	470.147
35	180.364	184.766	200.165	184.766	180.364	184.766	200.165	184.766	180.364
40	40.606	45.117	49.961	45.117	40.606	45.117	49.961	45.117	40.606
45	13.861	15.644	16.894	15.644	13.861	15.644	16.894	15.644	13.861
50	8.455	9.273	9.393	9.273	8.455	9.273	9.393	9.273	8.455
55	6.093	6.508	6.164	6.508	6.093	6.508	6.164	6.508	6.093
60	4.615	4.757	4.397	4.757	4.615	4.757	4.397	4.757	4.615
65	3.267	3.349	3.038	3.349	3.267	3.349	3.038	3.349	3.267
70	2.116	2.193	1.882	2.193	2.116	2.193	1.882	2.193	2.116
75	1.140	1.162	0.911	1.162	1.140	1.162	0.911	1.162	1.140
80	0.409	0.404	0.387	0.404	0.409	0.404	0.387	0.404	0.409
85	0.295	0.300	0.278	0.300	0.295	0.300	0.278	0.300	0.295
90	0.153	0.142	0.131	0.142	0.153	0.142	0.131	0.142	0.153
95	0.295	0.300	0.278	0.300	0.295	0.300	0.278	0.300	0.295
100	0.409	0.404	0.387	0.404	0.409	0.404	0.387	0.404	0.409
105	1.140	1.162	0.911	1.162	1.140	1.162	0.911	1.162	1.140
110	2.116	2.193	1.882	2.193	2.116	2.193	1.882	2.193	2.116
115	3.267	3.349	3.038	3.349	3.267	3.349	3.038	3.349	3.267
120	4.615	4.757	4.397	4.757	4.615	4.757	4.397	4.757	4.615
125	6.093	6.508	6.164	6.508	6.093	6.508	6.164	6.508	6.093
130	8.455	9.273	9.393	9.273	8.455	9.273	9.393	9.273	8.455
135	13.861	15.644	16.894	15.644	13.861	15.644	16.894	15.644	13.861
140	40.606	45.117	49.961	45.117	40.606	45.117	49.961	45.117	40.606
145	180.364	184.766	200.165	184.766	180.364	184.766	200.165	184.766	180.364
150	470.147	468.265	469.236	468.265	470.147	468.265	469.236	468.265	470.147
155	753.984	761.931	752.860	761.931	753.984	761.931	752.860	761.931	753.984
160	1133.111	1166.140	1164.165	1166.140	1133.111	1166.140	1164.165	1166.140	1133.111
165	2055.207	2131.390	2119.193	2131.390	2055.207	2131.390	2119.193	2131.390	2055.207
170	4102.587	4171.656	4167.189	4171.656	4102.587	4171.656	4167.189	4171.656	4102.587
175	6603.247	6595.305	6620.234	6595.305	6603.247	6595.305	6620.234	6595.305	6603.247
180	7437.668	7437.668	7437.668	7437.668	7437.668	7437.668	7437.668	7437.668	7437.668

COEFFICIENTS OF UTILIZATION



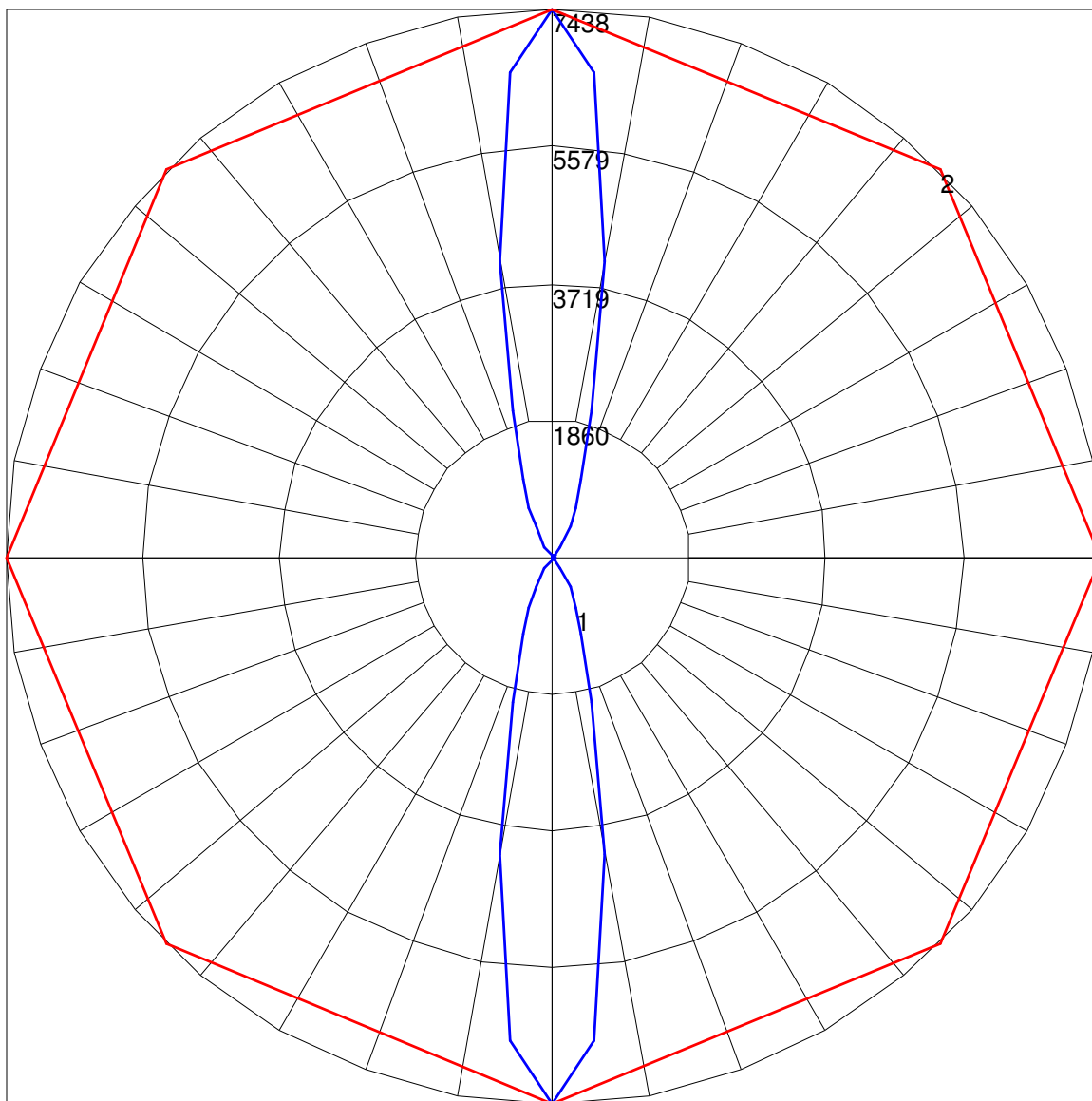
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	855.9	25.0
Downward House Side	855.9	25.0
Downward Total	1711.8	50.0
Upward Street Side	855.9	25.0
Upward House Side	855.9	25.0
Upward Total	1711.8	50.0
Total Flux	3423.6	100.0

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## POLAR GRAPH



Maximum Candela = 7438.033 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

