

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-830U-L10-830D-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-L10-830U-L10-830D-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	2322
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5044.133
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5044.133
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.104 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.277 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	525.4	N.A.	22.6
FM - Front-Medium (30-60)	53.4	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)	525.4	N.A.	22.6
BM - Back-Medium (30-60)	53.4	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)	1160.7	N.A.	50.0
Total	2321.7	N.A.	100.0
BUG Rating	B2-U5-G0		

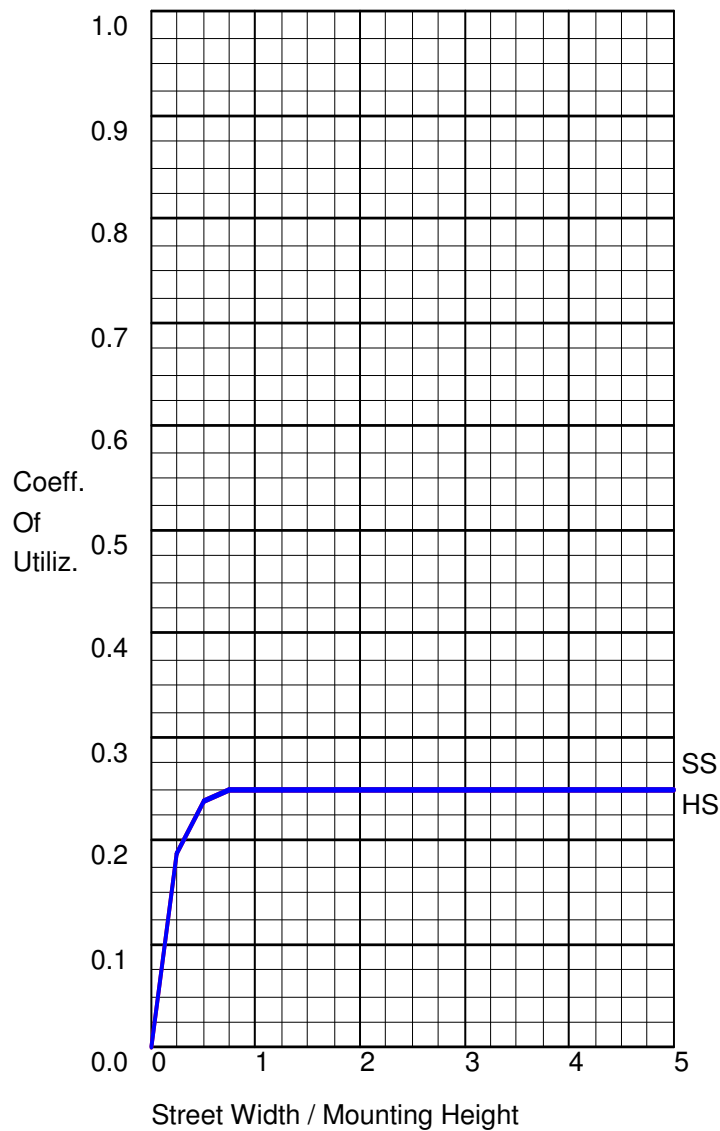
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## CANDELA TABULATION

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	5044.133	5044.133	5044.133	5044.133	5044.133	5044.133	5044.133	5044.133	5044.133
5	4478.019	4472.633	4489.539	4472.633	4478.019	4472.633	4489.539	4472.633	4478.019
10	2782.186	2829.026	2825.996	2829.026	2782.186	2829.026	2825.996	2829.026	2782.186
15	1393.747	1445.411	1437.139	1445.411	1393.747	1445.411	1437.139	1445.411	1393.747
20	768.424	790.823	789.484	790.823	768.424	790.823	789.484	790.823	768.424
25	511.317	516.707	510.555	516.707	511.317	516.707	510.555	516.707	511.317
30	318.832	317.556	318.214	317.556	318.832	317.556	318.214	317.556	318.832
35	122.315	125.300	135.743	125.300	122.315	125.300	135.743	125.300	122.315
40	27.537	30.596	33.881	30.596	27.537	30.596	33.881	30.596	27.537
45	9.400	10.609	11.456	10.609	9.400	10.609	11.456	10.609	9.400
50	5.734	6.289	6.370	6.289	5.734	6.289	6.370	6.289	5.734
55	4.132	4.413	4.180	4.413	4.132	4.413	4.180	4.413	4.132
60	3.130	3.226	2.982	3.226	3.130	3.226	2.982	3.226	3.130
65	2.216	2.271	2.060	2.271	2.216	2.271	2.060	2.271	2.216
70	1.435	1.487	1.276	1.487	1.435	1.487	1.276	1.487	1.435
75	0.773	0.788	0.618	0.788	0.773	0.788	0.618	0.788	0.773
80	0.277	0.274	0.263	0.274	0.277	0.274	0.263	0.274	0.277
85	0.200	0.203	0.189	0.203	0.200	0.203	0.189	0.203	0.200
90	0.104	0.096	0.089	0.096	0.104	0.096	0.089	0.096	0.104
95	0.200	0.203	0.189	0.203	0.200	0.203	0.189	0.203	0.200
100	0.277	0.274	0.263	0.274	0.277	0.274	0.263	0.274	0.277
105	0.773	0.788	0.618	0.788	0.773	0.788	0.618	0.788	0.773
110	1.435	1.487	1.276	1.487	1.435	1.487	1.276	1.487	1.435
115	2.216	2.271	2.060	2.271	2.216	2.271	2.060	2.271	2.216
120	3.130	3.226	2.982	3.226	3.130	3.226	2.982	3.226	3.130
125	4.132	4.413	4.180	4.413	4.132	4.413	4.180	4.413	4.132
130	5.734	6.289	6.370	6.289	5.734	6.289	6.370	6.289	5.734
135	9.400	10.609	11.456	10.609	9.400	10.609	11.456	10.609	9.400
140	27.537	30.596	33.881	30.596	27.537	30.596	33.881	30.596	27.537
145	122.315	125.300	135.743	125.300	122.315	125.300	135.743	125.300	122.315
150	318.832	317.556	318.214	317.556	318.832	317.556	318.214	317.556	318.832
155	511.317	516.707	510.555	516.707	511.317	516.707	510.555	516.707	511.317
160	768.424	790.823	789.484	790.823	768.424	790.823	789.484	790.823	768.424
165	1393.747	1445.411	1437.139	1445.411	1393.747	1445.411	1437.139	1445.411	1393.747
170	2782.186	2829.026	2825.996	2829.026	2782.186	2829.026	2825.996	2829.026	2782.186
175	4478.019	4472.633	4489.539	4472.633	4478.019	4472.633	4489.539	4472.633	4478.019
180	5043.885	5043.885	5043.885	5043.885	5043.885	5043.885	5043.885	5043.885	5043.885

COEFFICIENTS OF UTILIZATION



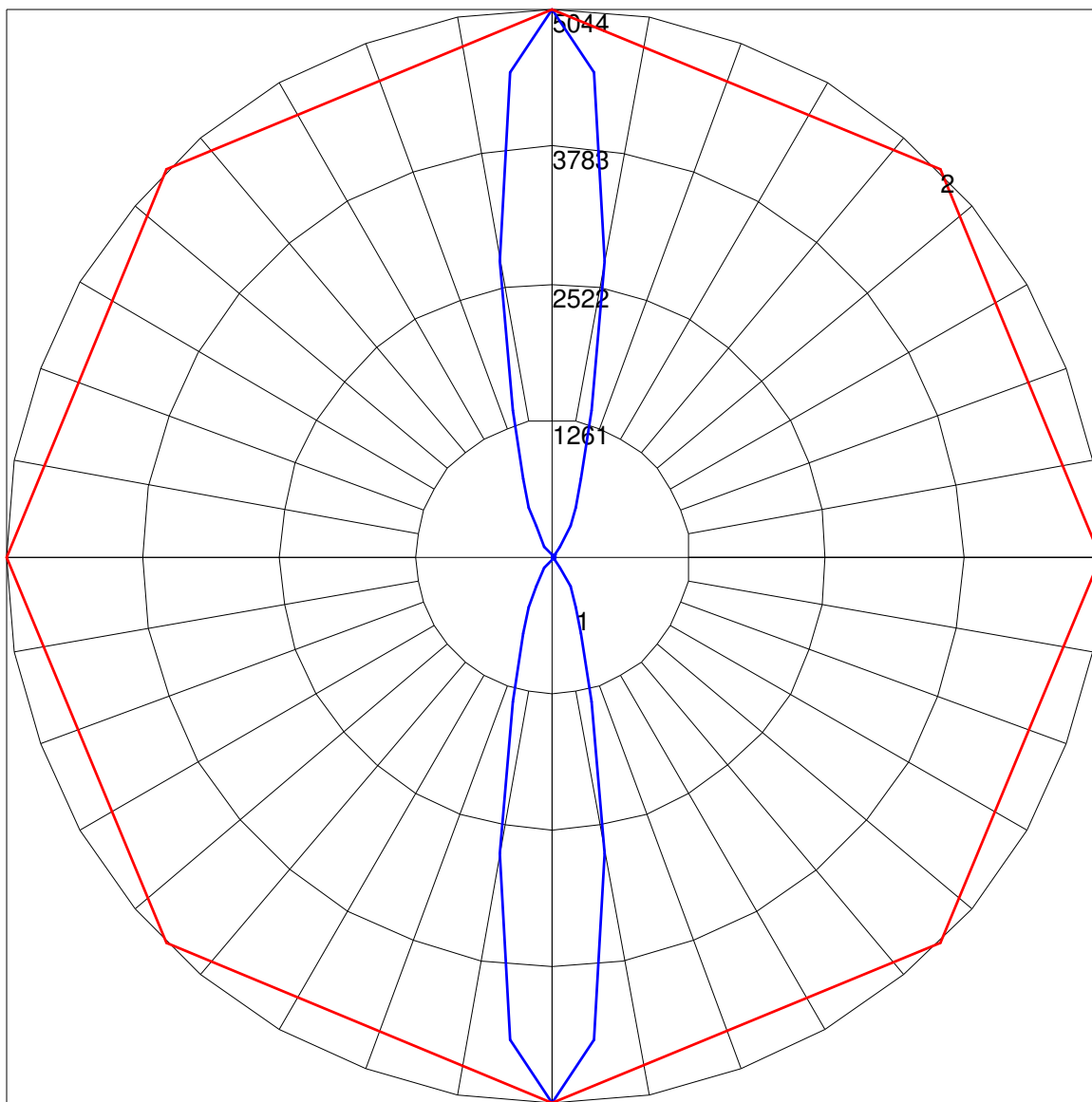
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	580.5	25.0
Downward House Side	580.5	25.0
Downward Total	1161.0	50.0
Upward Street Side	580.5	25.0
Upward House Side	580.5	25.0
Upward Total	1161.0	50.0
Total Flux	2322.0	100.0

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## POLAR GRAPH

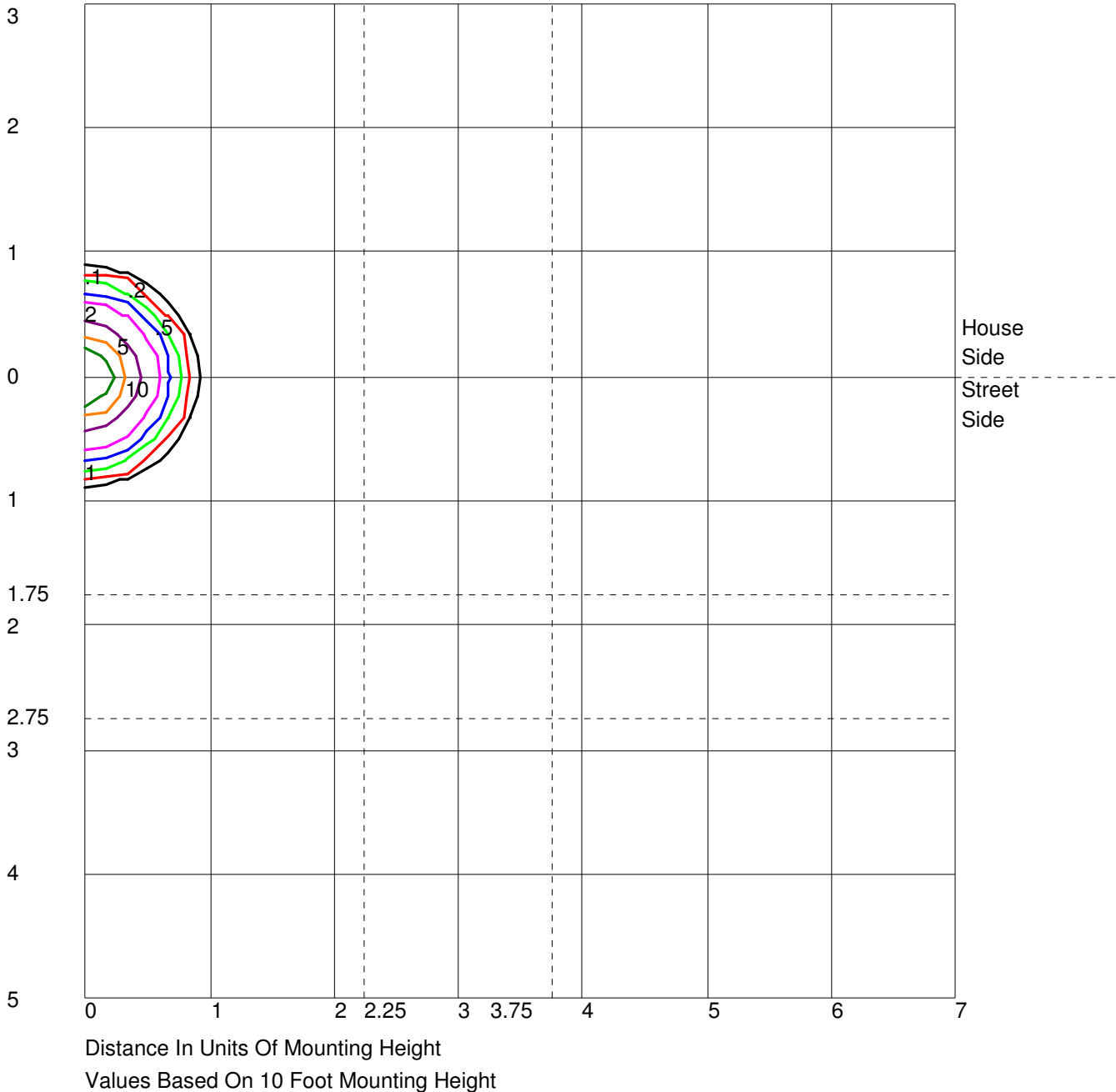


Maximum Candela = 5044.133 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

