

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-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-L15-827U-L15-827D-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	3355
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7289.273
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7289.273
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.15 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.401 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-XXX-DIM-UNV-S-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	759.2	N.A.	22.6
FM - Front-Medium (30-60)	77.2	N.A.	2.3
FH - Front-High (60-80)	2.2	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	759.2	N.A.	22.6
BM - Back-Medium (30-60)	77.2	N.A.	2.3
BH - Back-High (60-80)	2.2	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)	1677.3	N.A.	50.0
Total	3355.2	N.A.	100.0
BUG Rating	B2-U5-G0		

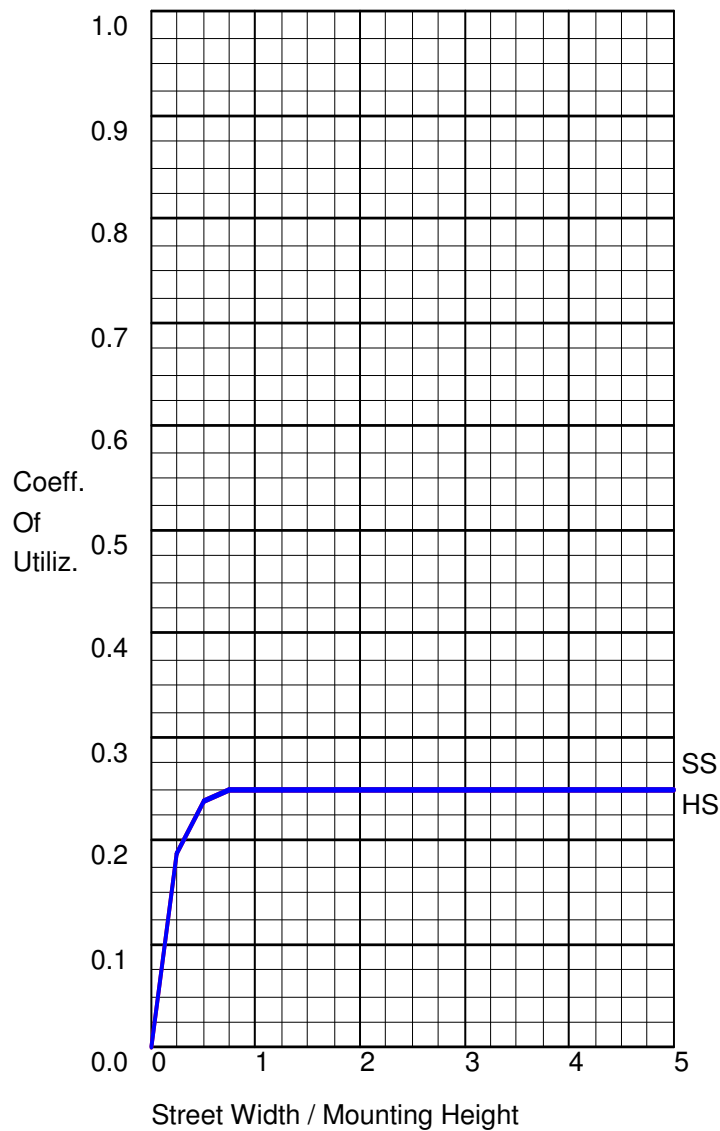
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## CANDELA TABULATION

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	7289.273	7289.273	7289.273	7289.273	7289.273	7289.273	7289.273	7289.273	7289.273
5	6471.183	6463.400	6487.830	6463.400	6471.183	6463.400	6487.830	6463.400	6471.183
10	4020.536	4088.223	4083.845	4088.223	4020.536	4088.223	4083.845	4088.223	4020.536
15	2014.103	2088.762	2076.809	2088.762	2014.103	2088.762	2076.809	2088.762	2014.103
20	1110.449	1142.817	1140.882	1142.817	1110.449	1142.817	1140.882	1142.817	1110.449
25	738.904	746.693	737.803	746.693	738.904	746.693	737.803	746.693	738.904
30	460.744	458.900	459.851	458.900	460.744	458.900	459.851	458.900	460.744
35	176.757	181.071	196.162	181.071	176.757	181.071	196.162	181.071	176.757
40	39.794	44.215	48.962	44.215	39.794	44.215	48.962	44.215	39.794
45	13.584	15.332	16.556	15.332	13.584	15.332	16.556	15.332	13.584
50	8.286	9.088	9.205	9.088	8.286	9.088	9.205	9.088	8.286
55	5.971	6.377	6.041	6.377	5.971	6.377	6.041	6.377	5.971
60	4.522	4.661	4.309	4.661	4.522	4.661	4.309	4.661	4.522
65	3.202	3.282	2.978	3.282	3.202	3.282	2.978	3.282	3.202
70	2.074	2.149	1.844	2.149	2.074	2.149	1.844	2.149	2.074
75	1.117	1.139	0.893	1.139	1.117	1.139	0.893	1.139	1.117
80	0.401	0.396	0.380	0.396	0.401	0.396	0.380	0.396	0.401
85	0.289	0.294	0.273	0.294	0.289	0.294	0.273	0.294	0.289
90	0.150	0.139	0.128	0.139	0.150	0.139	0.128	0.139	0.150
95	0.289	0.294	0.273	0.294	0.289	0.294	0.273	0.294	0.289
100	0.401	0.396	0.380	0.396	0.401	0.396	0.380	0.396	0.401
105	1.117	1.139	0.893	1.139	1.117	1.139	0.893	1.139	1.117
110	2.074	2.149	1.844	2.149	2.074	2.149	1.844	2.149	2.074
115	3.202	3.282	2.978	3.282	3.202	3.282	2.978	3.282	3.202
120	4.522	4.661	4.309	4.661	4.522	4.661	4.309	4.661	4.522
125	5.971	6.377	6.041	6.377	5.971	6.377	6.041	6.377	5.971
130	8.286	9.088	9.205	9.088	8.286	9.088	9.205	9.088	8.286
135	13.584	15.332	16.556	15.332	13.584	15.332	16.556	15.332	13.584
140	39.794	44.215	48.962	44.215	39.794	44.215	48.962	44.215	39.794
145	176.757	181.071	196.162	181.071	176.757	181.071	196.162	181.071	176.757
150	460.744	458.900	459.851	458.900	460.744	458.900	459.851	458.900	460.744
155	738.904	746.693	737.803	746.693	738.904	746.693	737.803	746.693	738.904
160	1110.449	1142.817	1140.882	1142.817	1110.449	1142.817	1140.882	1142.817	1110.449
165	2014.103	2088.762	2076.809	2088.762	2014.103	2088.762	2076.809	2088.762	2014.103
170	4020.536	4088.223	4083.845	4088.223	4020.536	4088.223	4083.845	4088.223	4020.536
175	6471.183	6463.400	6487.830	6463.400	6471.183	6463.400	6487.830	6463.400	6471.183
180	7288.915	7288.915	7288.915	7288.915	7288.915	7288.915	7288.915	7288.915	7288.915

COEFFICIENTS OF UTILIZATION



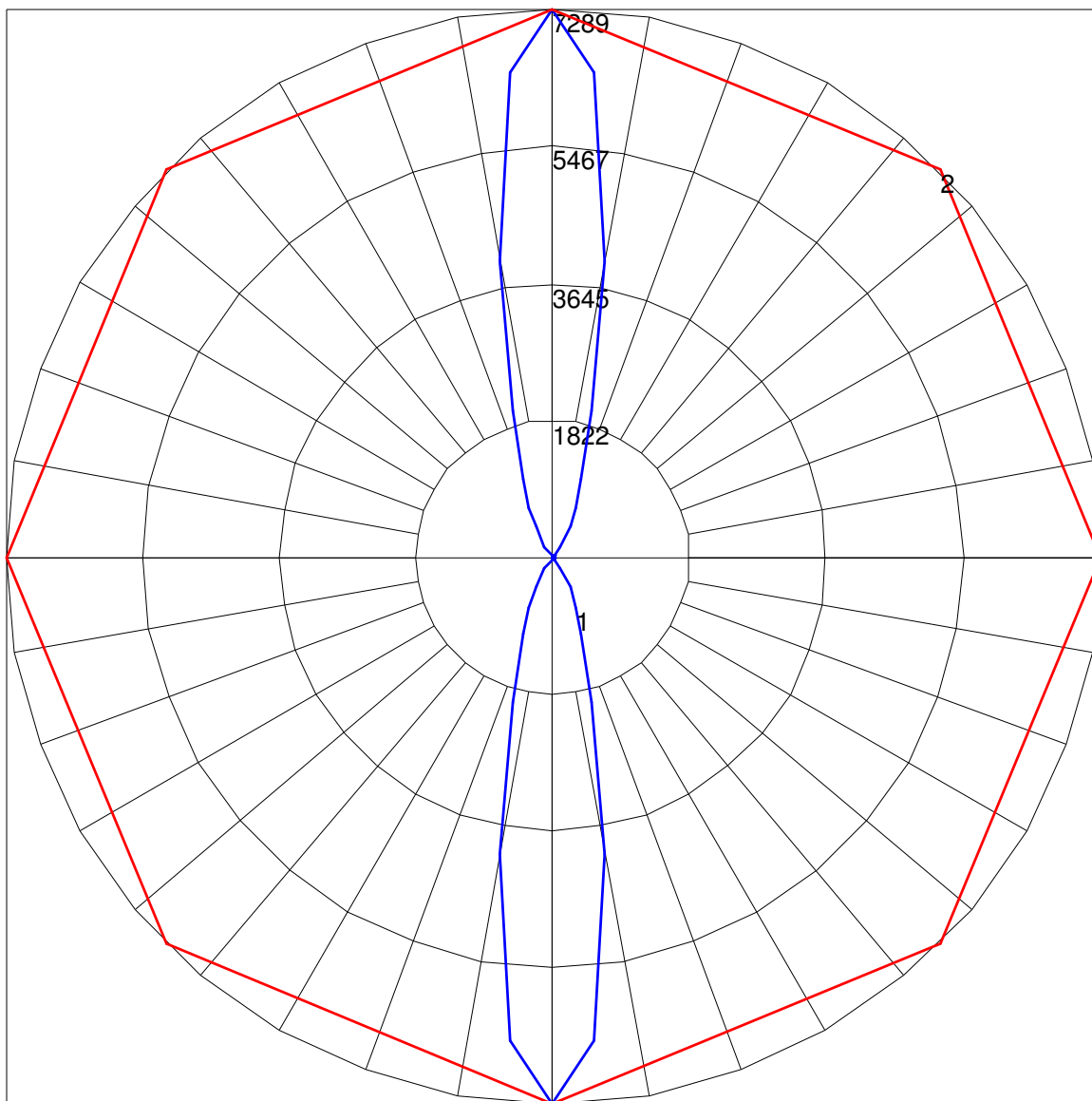
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	838.8	25.0
Downward House Side	838.8	25.0
Downward Total	1677.6	50.0
Upward Street Side	838.8	25.0
Upward House Side	838.8	25.0
Upward Total	1677.6	50.0
Total Flux	3355.2	100.0

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## POLAR GRAPH



Maximum Candela = 7289.273 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.)

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# PHOTO LUMENS

