

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-840U-L15-840D-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-L15-840U-L15-840D-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	3458
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7512.415
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7512.415
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.154 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.413 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-840U-L15-840D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	782.5	N.A.	22.6
FM - Front-Medium (30-60)	79.6	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)	782.5	N.A.	22.6
BM - Back-Medium (30-60)	79.6	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)	1728.7	N.A.	50.0
Total	3458.2	N.A.	100.0
BUG Rating	B2-U5-G0		

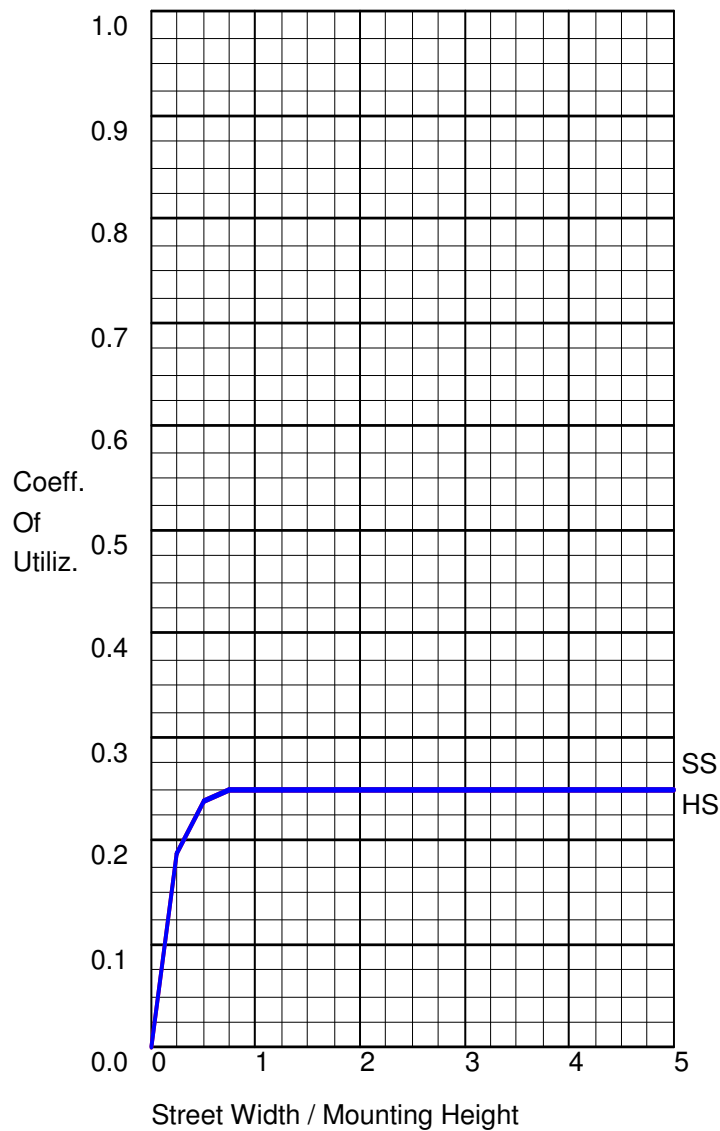
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CANDELA TABULATION

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	7512.415	7512.415	7512.415	7512.415	7512.415	7512.415	7512.415	7512.415	7512.415
5	6669.280	6661.259	6686.437	6661.259	6669.280	6661.259	6686.437	6661.259	6669.280
10	4143.613	4213.373	4208.861	4213.373	4143.613	4213.373	4208.861	4213.373	4143.613
15	2075.760	2152.704	2140.385	2152.704	2075.760	2152.704	2140.385	2152.704	2075.760
20	1144.442	1177.802	1175.807	1177.802	1144.442	1177.802	1175.807	1177.802	1144.442
25	761.524	769.551	760.389	769.551	761.524	769.551	760.389	769.551	761.524
30	474.848	472.948	473.928	472.948	474.848	472.948	473.928	472.948	474.848
35	182.168	186.614	202.167	186.614	182.168	186.614	202.167	186.614	182.168
40	41.012	45.568	50.460	45.568	41.012	45.568	50.460	45.568	41.012
45	13.999	15.801	17.063	15.801	13.999	15.801	17.063	15.801	13.999
50	8.540	9.366	9.487	9.366	8.540	9.366	9.487	9.366	8.540
55	6.154	6.573	6.226	6.573	6.154	6.573	6.226	6.573	6.154
60	4.661	4.804	4.441	4.804	4.661	4.804	4.441	4.804	4.661
65	3.300	3.383	3.069	3.383	3.300	3.383	3.069	3.383	3.300
70	2.138	2.215	1.901	2.215	2.138	2.215	1.901	2.215	2.138
75	1.151	1.173	0.920	1.173	1.151	1.173	0.920	1.173	1.151
80	0.413	0.408	0.391	0.408	0.413	0.408	0.391	0.408	0.413
85	0.298	0.303	0.281	0.303	0.298	0.303	0.281	0.303	0.298
90	0.154	0.143	0.132	0.143	0.154	0.143	0.132	0.143	0.154
95	0.298	0.303	0.281	0.303	0.298	0.303	0.281	0.303	0.298
100	0.413	0.408	0.391	0.408	0.413	0.408	0.391	0.408	0.413
105	1.151	1.173	0.920	1.173	1.151	1.173	0.920	1.173	1.151
110	2.138	2.215	1.901	2.215	2.138	2.215	1.901	2.215	2.138
115	3.300	3.383	3.069	3.383	3.300	3.383	3.069	3.383	3.300
120	4.661	4.804	4.441	4.804	4.661	4.804	4.441	4.804	4.661
125	6.154	6.573	6.226	6.573	6.154	6.573	6.226	6.573	6.154
130	8.540	9.366	9.487	9.366	8.540	9.366	9.487	9.366	8.540
135	13.999	15.801	17.063	15.801	13.999	15.801	17.063	15.801	13.999
140	41.012	45.568	50.460	45.568	41.012	45.568	50.460	45.568	41.012
145	182.168	186.614	202.167	186.614	182.168	186.614	202.167	186.614	182.168
150	474.848	472.948	473.928	472.948	474.848	472.948	473.928	472.948	474.848
155	761.524	769.551	760.389	769.551	761.524	769.551	760.389	769.551	761.524
160	1144.442	1177.802	1175.807	1177.802	1144.442	1177.802	1175.807	1177.802	1144.442
165	2075.760	2152.704	2140.385	2152.704	2075.760	2152.704	2140.385	2152.704	2075.760
170	4143.613	4213.373	4208.861	4213.373	4143.613	4213.373	4208.861	4213.373	4143.613
175	6669.280	6661.259	6686.437	6661.259	6669.280	6661.259	6686.437	6661.259	6669.280
180	7512.045	7512.045	7512.045	7512.045	7512.045	7512.045	7512.045	7512.045	7512.045

COEFFICIENTS OF UTILIZATION



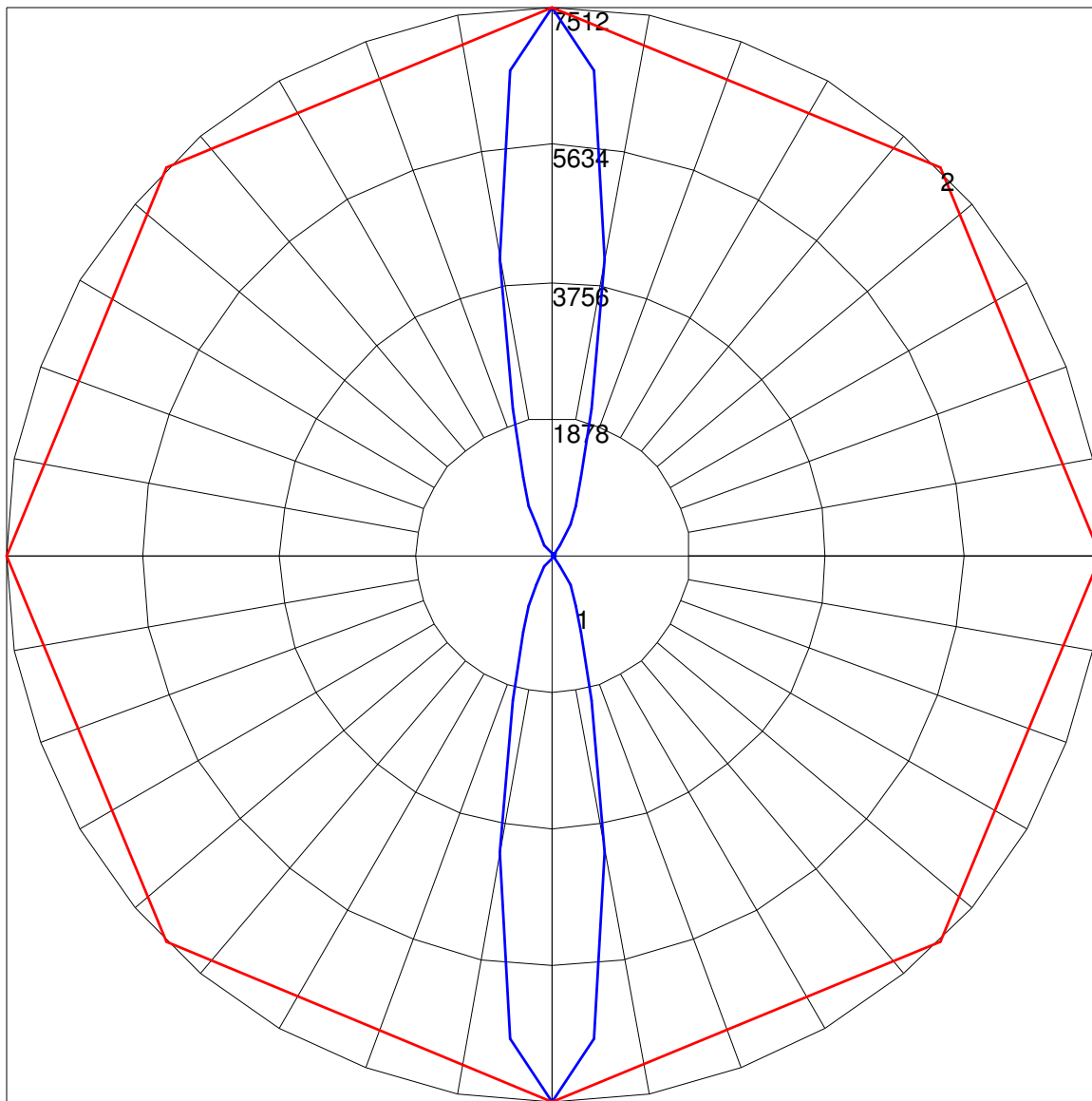
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	864.5	25.0
Downward House Side	864.5	25.0
Downward Total	1729.0	50.0
Upward Street Side	864.5	25.0
Upward House Side	864.5	25.0
Upward Total	1729.0	50.0
Total Flux	3458.0	100.0

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POLAR GRAPH



Maximum Candela = 7512.415 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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Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO LUMENS

