

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-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-L15-940U-L15-940D-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	3321
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7214.892
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7214.892
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.148 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.397 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	751.5	N.A.	22.6
FM - Front-Medium (30-60)	76.4	N.A.	2.3
FH - Front-High (60-80)	2.2	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	751.5	N.A.	22.6
BM - Back-Medium (30-60)	76.4	N.A.	2.3
BH - Back-High (60-80)	2.2	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	1660.2	N.A.	50.0
Total	3320.9	N.A.	100.0
BUG Rating	B2-U5-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-S-XX_.IES

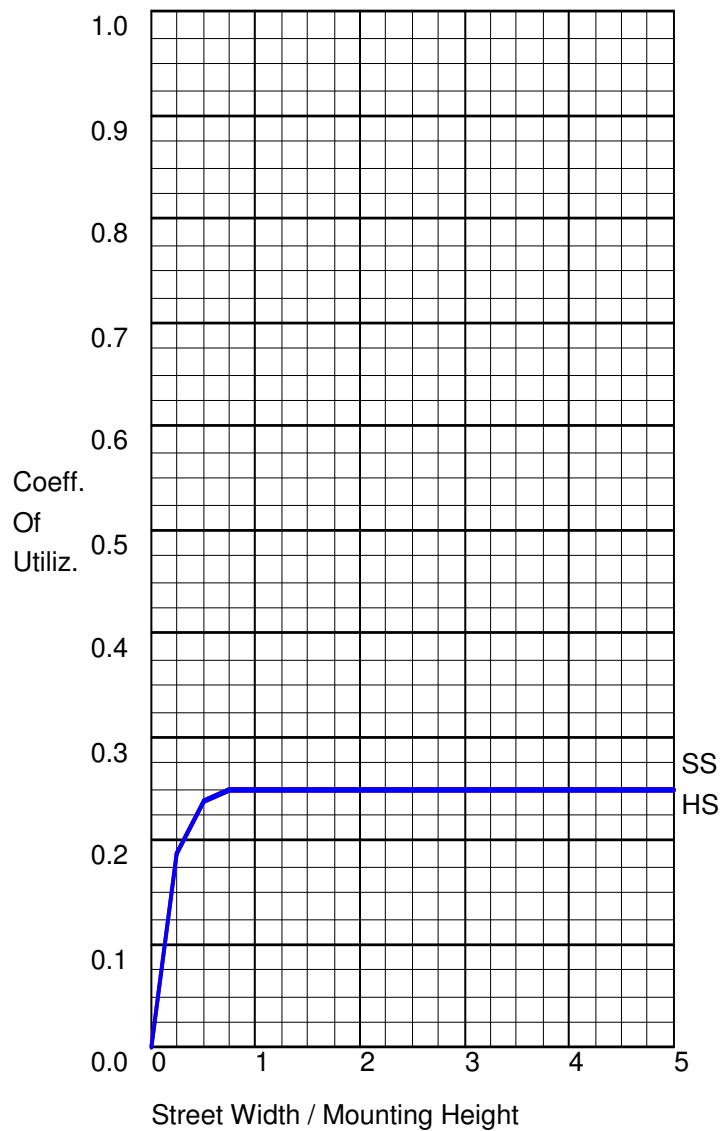
CANDELA TABULATION

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	7214.892	7214.892	7214.892	7214.892	7214.892	7214.892	7214.892	7214.892	7214.892
5	6405.150	6397.446	6421.626	6397.446	6405.150	6397.446	6421.626	6397.446	6405.150
10	3979.509	4046.506	4042.173	4046.506	3979.509	4046.506	4042.173	4046.506	3979.509
15	1993.551	2067.448	2055.617	2067.448	1993.551	2067.448	2055.617	2067.448	1993.551
20	1099.118	1131.156	1129.241	1131.156	1099.118	1131.156	1129.241	1131.156	1099.118
25	731.364	739.073	730.274	739.073	731.364	739.073	730.274	739.073	731.364
30	456.042	454.217	455.159	454.217	456.042	454.217	455.159	454.217	456.042
35	174.953	179.223	194.160	179.223	174.953	179.223	194.160	179.223	174.953
40	39.388	43.763	48.462	43.763	39.388	43.763	48.462	43.763	39.388
45	13.445	15.175	16.387	15.175	13.445	15.175	16.387	15.175	13.445
50	8.201	8.995	9.111	8.995	8.201	8.995	9.111	8.995	8.201
55	5.910	6.312	5.979	6.312	5.910	6.312	5.979	6.312	5.910
60	4.476	4.614	4.265	4.614	4.476	4.614	4.265	4.614	4.476
65	3.169	3.249	2.947	3.249	3.169	3.249	2.947	3.249	3.169
70	2.053	2.127	1.825	2.127	2.053	2.127	1.825	2.127	2.053
75	1.106	1.127	0.884	1.127	1.106	1.127	0.884	1.127	1.106
80	0.397	0.392	0.376	0.392	0.397	0.392	0.376	0.392	0.397
85	0.286	0.291	0.270	0.291	0.286	0.291	0.270	0.291	0.286
90	0.148	0.138	0.127	0.138	0.148	0.138	0.127	0.138	0.148
95	0.286	0.291	0.270	0.291	0.286	0.291	0.270	0.291	0.286
100	0.397	0.392	0.376	0.392	0.397	0.392	0.376	0.392	0.397
105	1.106	1.127	0.884	1.127	1.106	1.127	0.884	1.127	1.106
110	2.053	2.127	1.825	2.127	2.053	2.127	1.825	2.127	2.053
115	3.169	3.249	2.947	3.249	3.169	3.249	2.947	3.249	3.169
120	4.476	4.614	4.265	4.614	4.476	4.614	4.265	4.614	4.476
125	5.910	6.312	5.979	6.312	5.910	6.312	5.979	6.312	5.910
130	8.201	8.995	9.111	8.995	8.201	8.995	9.111	8.995	8.201
135	13.445	15.175	16.387	15.175	13.445	15.175	16.387	15.175	13.445
140	39.388	43.763	48.462	43.763	39.388	43.763	48.462	43.763	39.388
145	174.953	179.223	194.160	179.223	174.953	179.223	194.160	179.223	174.953
150	456.042	454.217	455.159	454.217	456.042	454.217	455.159	454.217	456.042
155	731.364	739.073	730.274	739.073	731.364	739.073	730.274	739.073	731.364
160	1099.118	1131.156	1129.241	1131.156	1099.118	1131.156	1129.241	1131.156	1099.118
165	1993.551	2067.448	2055.617	2067.448	1993.551	2067.448	2055.617	2067.448	1993.551
170	3979.509	4046.506	4042.173	4046.506	3979.509	4046.506	4042.173	4046.506	3979.509
175	6405.150	6397.446	6421.626	6397.446	6405.150	6397.446	6421.626	6397.446	6405.150
180	7214.538	7214.538	7214.538	7214.538	7214.538	7214.538	7214.538	7214.538	7214.538

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-S-XX_.IES

COEFFICIENTS OF UTILIZATION



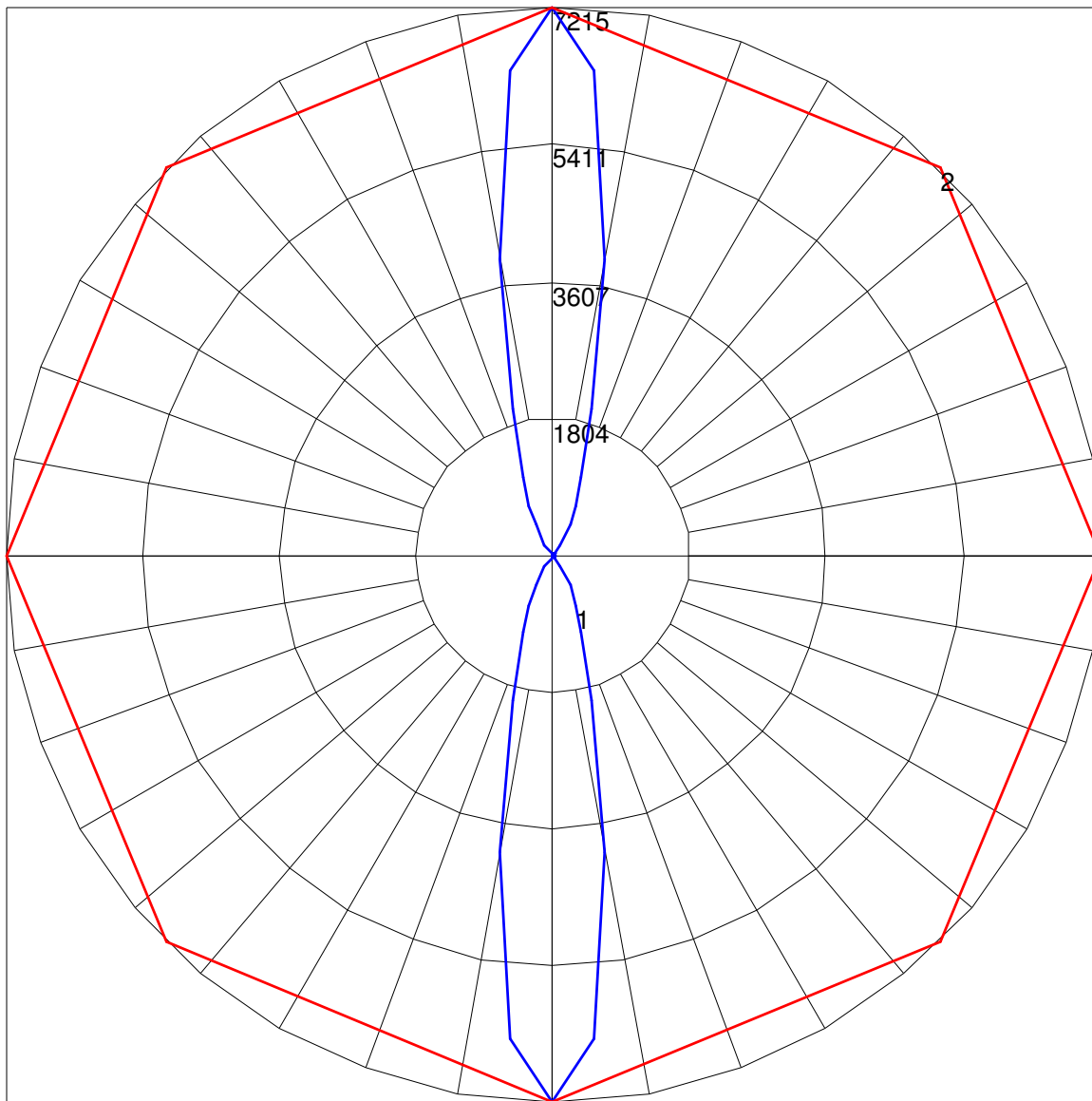
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	830.3	25.0
Downward House Side	830.3	25.0
Downward Total	1660.6	50.0
Upward Street Side	830.3	25.0
Upward House Side	830.3	25.0
Upward Total	1660.6	50.0
Total Flux	3321.2	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-S-XX_.IES

POLAR GRAPH



Maximum Candela = 7214.892 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.)

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-S-XX_.IES

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO LUMENS

