

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-930U-L15-930D-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-L15-930U-L15-930D-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	3253
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7066.131
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7066.131
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.145 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.389 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-930U-L15-930D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	736.0	N.A.	22.6
FM - Front-Medium (30-60)	74.9	N.A.	2.3
FH - Front-High (60-80)	2.1	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	736.0	N.A.	22.6
BM - Back-Medium (30-60)	74.9	N.A.	2.3
BH - Back-High (60-80)	2.1	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)	1626.0	N.A.	50.0
Total	3252.5	N.A.	100.0
BUG Rating	B2-U5-G0		

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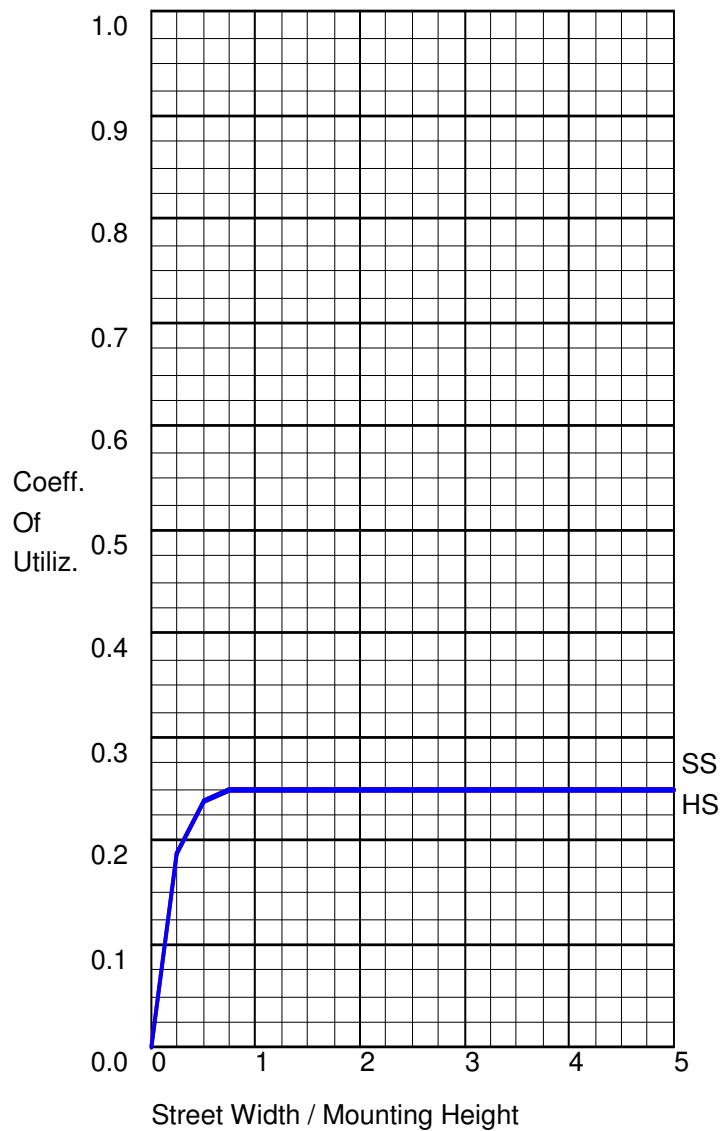
CANDELA TABULATION

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	7066.131	7066.131	7066.131	7066.131	7066.131	7066.131	7066.131	7066.131	7066.131
5	6273.084	6265.539	6289.221	6265.539	6273.084	6265.539	6289.221	6265.539	6273.084
10	3897.457	3963.073	3958.829	3963.073	3897.457	3963.073	3958.829	3963.073	3897.457
15	1952.447	2024.820	2013.233	2024.820	1952.447	2024.820	2013.233	2024.820	1952.447
20	1076.455	1107.833	1105.957	1107.833	1076.455	1107.833	1105.957	1107.833	1076.455
25	716.284	723.835	715.217	723.835	716.284	723.835	715.217	723.835	716.284
30	446.639	444.852	445.774	444.852	446.639	444.852	445.774	444.852	446.639
35	171.346	175.528	190.157	175.528	171.346	175.528	190.157	175.528	171.346
40	38.575	42.861	47.463	42.861	38.575	42.861	47.463	42.861	38.575
45	13.168	14.862	16.049	14.862	13.168	14.862	16.049	14.862	13.168
50	8.032	8.810	8.924	8.810	8.032	8.810	8.924	8.810	8.032
55	5.788	6.182	5.856	6.182	5.788	6.182	5.856	6.182	5.788
60	4.384	4.519	4.177	4.519	4.384	4.519	4.177	4.519	4.384
65	3.104	3.182	2.886	3.182	3.104	3.182	2.886	3.182	3.104
70	2.011	2.083	1.788	2.083	2.011	2.083	1.788	2.083	2.011
75	1.083	1.104	0.865	1.104	1.083	1.104	0.865	1.104	1.083
80	0.389	0.383	0.368	0.383	0.389	0.383	0.368	0.383	0.389
85	0.280	0.285	0.264	0.285	0.280	0.285	0.264	0.285	0.280
90	0.145	0.135	0.124	0.135	0.145	0.135	0.124	0.135	0.145
95	0.280	0.285	0.264	0.285	0.280	0.285	0.264	0.285	0.280
100	0.389	0.383	0.368	0.383	0.389	0.383	0.368	0.383	0.389
105	1.083	1.104	0.865	1.104	1.083	1.104	0.865	1.104	1.083
110	2.011	2.083	1.788	2.083	2.011	2.083	1.788	2.083	2.011
115	3.104	3.182	2.886	3.182	3.104	3.182	2.886	3.182	3.104
120	4.384	4.519	4.177	4.519	4.384	4.519	4.177	4.519	4.384
125	5.788	6.182	5.856	6.182	5.788	6.182	5.856	6.182	5.788
130	8.032	8.810	8.924	8.810	8.032	8.810	8.924	8.810	8.032
135	13.168	14.862	16.049	14.862	13.168	14.862	16.049	14.862	13.168
140	38.575	42.861	47.463	42.861	38.575	42.861	47.463	42.861	38.575
145	171.346	175.528	190.157	175.528	171.346	175.528	190.157	175.528	171.346
150	446.639	444.852	445.774	444.852	446.639	444.852	445.774	444.852	446.639
155	716.284	723.835	715.217	723.835	716.284	723.835	715.217	723.835	716.284
160	1076.455	1107.833	1105.957	1107.833	1076.455	1107.833	1105.957	1107.833	1076.455
165	1952.447	2024.820	2013.233	2024.820	1952.447	2024.820	2013.233	2024.820	1952.447
170	3897.457	3963.073	3958.829	3963.073	3897.457	3963.073	3958.829	3963.073	3897.457
175	6273.084	6265.539	6289.221	6265.539	6273.084	6265.539	6289.221	6265.539	6273.084
180	7065.784	7065.784	7065.784	7065.784	7065.784	7065.784	7065.784	7065.784	7065.784

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COEFFICIENTS OF UTILIZATION



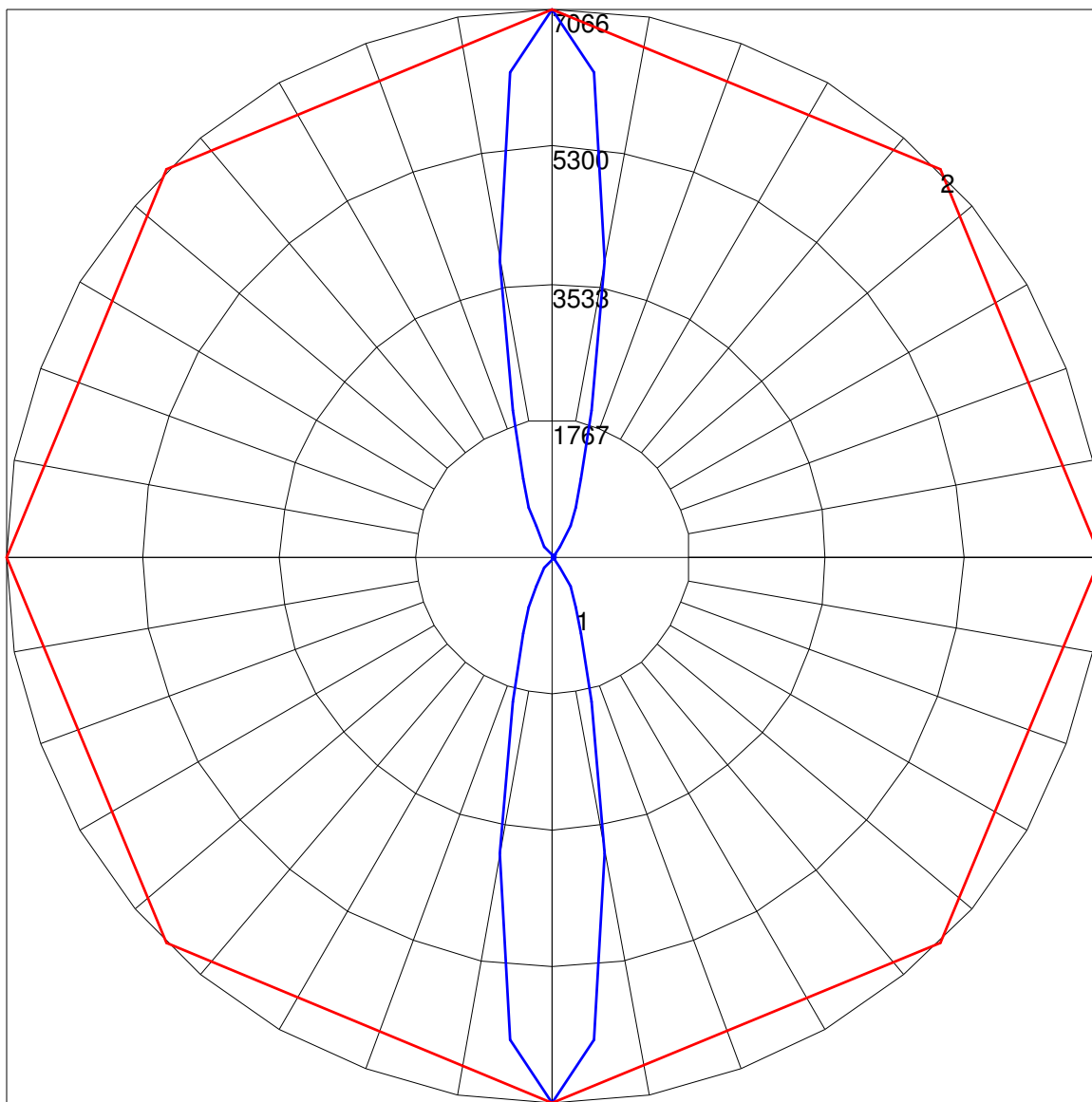
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	813.1	25.0
Downward House Side	813.1	25.0
Downward Total	1626.2	50.0
Upward Street Side	813.1	25.0
Upward House Side	813.1	25.0
Upward Total	1626.2	50.0
Total Flux	3252.4	100.0

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POLAR GRAPH



Maximum Candela = 7066.131 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

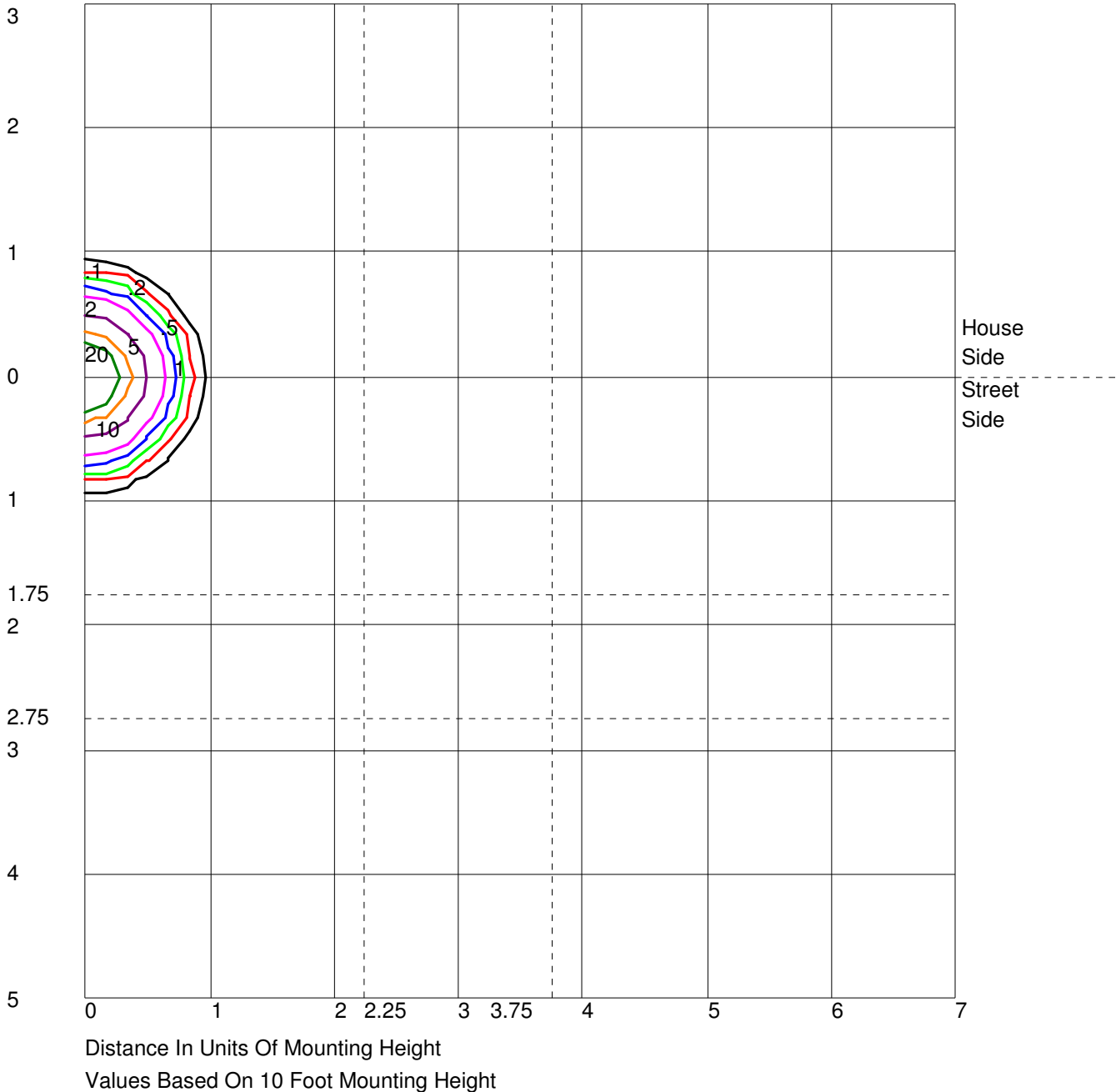


PHOTO LUMENS

