

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-827U-L10-827D-XXX-DIM-UNV-N-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-NARROW
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT OUTDOOR
[MORE] CYLINDER W/NARROW DIST. & MICROPRISIM LENS
[LUMCAT] W4CRDI-xx-L10-827U-L10-827D-xxx-DIM-UNV-N-xx
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2168
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3010.221
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3010.221
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.194 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.586 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-827U-L10-827D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	474.2	N.A.	21.9
FM - Front-Medium (30-60)	64.4	N.A.	3.0
FH - Front-High (60-80)	3.1	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	474.2	N.A.	21.9
BM - Back-Medium (30-60)	64.4	N.A.	3.0
BH - Back-High (60-80)	3.1	N.A.	0.1
BVH - Back-Very High (80-90)	0.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.4	N.A.	0.0
UH - Uplight-High (100-180)	1083.4	N.A.	50.0
Total	2167.6	N.A.	100.0
BUG Rating	B1-U5-G0		

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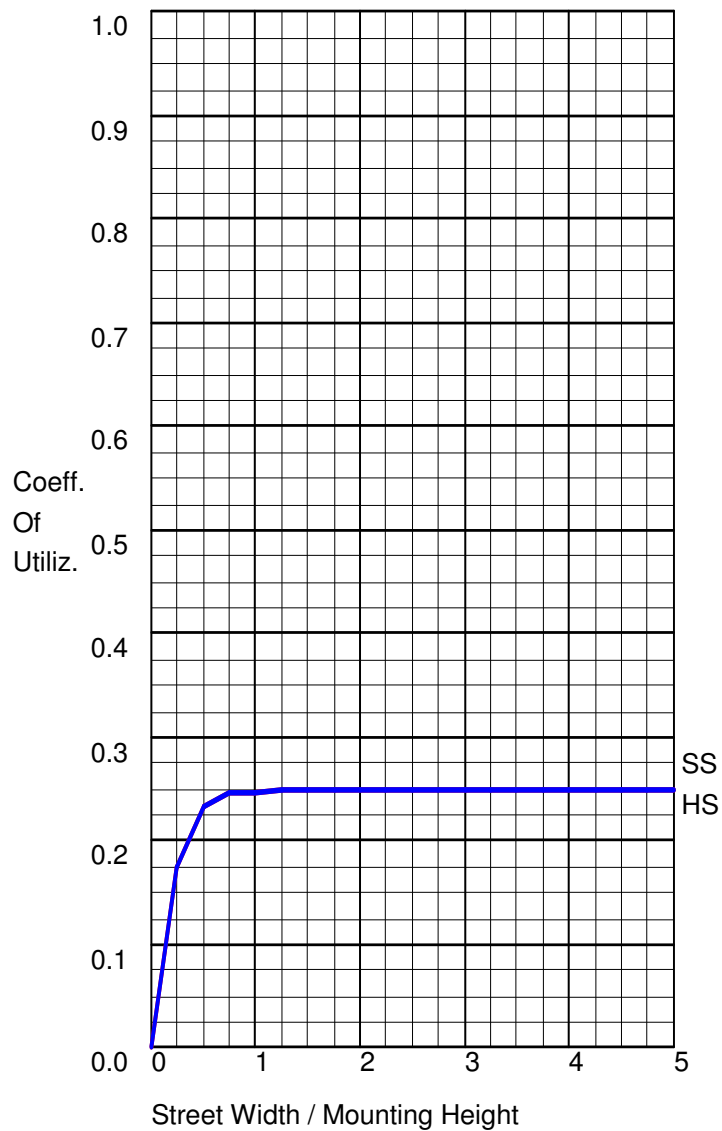
CANDELA TABULATION

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	3010.221	3010.221	3010.221	3010.221	3010.221	3010.221	3010.221	3010.221	3010.221
5	2859.143	2855.462	2856.964	2855.462	2859.143	2855.462	2856.964	2855.462	2859.143
10	2340.041	2334.100	2345.997	2334.100	2340.041	2334.100	2345.997	2334.100	2340.041
15	1514.517	1534.257	1553.120	1534.257	1514.517	1534.257	1553.120	1534.257	1514.517
20	851.864	881.967	897.041	881.967	851.864	881.967	897.041	881.967	851.864
25	536.092	555.282	555.660	555.282	536.092	555.282	555.660	555.282	536.092
30	343.898	351.015	353.408	351.015	343.898	351.015	353.408	351.015	343.898
35	144.504	144.073	144.562	144.073	144.504	144.073	144.562	144.073	144.504
40	34.829	33.295	33.237	33.295	34.829	33.295	33.237	33.295	34.829
45	15.308	16.142	16.789	16.142	15.308	16.142	16.789	16.142	15.308
50	15.467	15.880	16.117	15.880	15.467	15.880	16.117	15.880	15.467
55	12.282	12.526	12.498	12.526	12.282	12.526	12.498	12.526	12.282
60	7.070	7.038	7.031	7.038	7.070	7.038	7.031	7.038	7.070
65	4.191	4.144	4.148	4.144	4.191	4.144	4.148	4.144	4.191
70	2.854	2.814	2.822	2.814	2.854	2.814	2.822	2.814	2.854
75	1.758	1.689	1.650	1.689	1.758	1.689	1.650	1.689	1.758
80	0.586	0.568	0.568	0.568	0.586	0.568	0.568	0.568	0.586
85	0.424	0.421	0.421	0.421	0.424	0.421	0.421	0.421	0.424
90	0.194	0.180	0.165	0.180	0.194	0.180	0.165	0.180	0.194
95	0.424	0.421	0.421	0.421	0.424	0.421	0.421	0.421	0.424
100	0.586	0.568	0.568	0.568	0.586	0.568	0.568	0.568	0.586
105	1.758	1.689	1.650	1.689	1.758	1.689	1.650	1.689	1.758
110	2.854	2.814	2.822	2.814	2.854	2.814	2.822	2.814	2.854
115	4.191	4.144	4.148	4.144	4.191	4.144	4.148	4.144	4.191
120	7.070	7.038	7.031	7.038	7.070	7.038	7.031	7.038	7.070
125	12.282	12.526	12.498	12.526	12.282	12.526	12.498	12.526	12.282
130	15.467	15.880	16.117	15.880	15.467	15.880	16.117	15.880	15.467
135	15.308	16.142	16.789	16.142	15.308	16.142	16.789	16.142	15.308
140	34.829	33.295	33.237	33.295	34.829	33.295	33.237	33.295	34.829
145	144.504	144.073	144.562	144.073	144.504	144.073	144.562	144.073	144.504
150	343.898	351.015	353.408	351.015	343.898	351.015	353.408	351.015	343.898
155	536.092	555.282	555.660	555.282	536.092	555.282	555.660	555.282	536.092
160	851.864	881.967	897.041	881.967	851.864	881.967	897.041	881.967	851.864
165	1514.517	1534.257	1553.120	1534.257	1514.517	1534.257	1553.120	1534.257	1514.517
170	2340.041	2334.100	2345.997	2334.100	2340.041	2334.100	2345.997	2334.100	2340.041
175	2859.143	2855.462	2856.964	2855.462	2859.143	2855.462	2856.964	2855.462	2859.143
180	3009.919	3009.919	3009.919	3009.919	3009.919	3009.919	3009.919	3009.919	3009.919

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COEFFICIENTS OF UTILIZATION



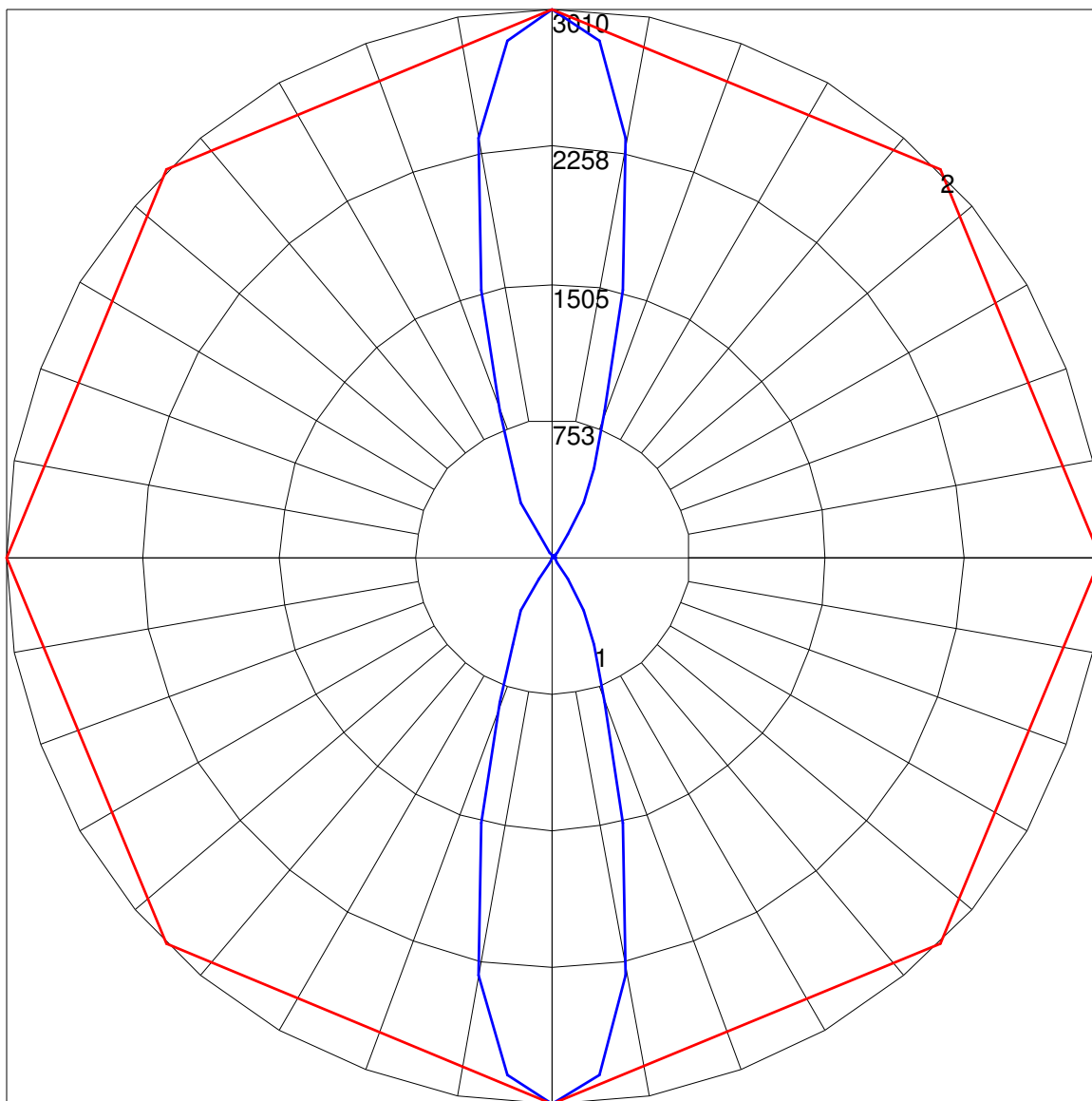
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	541.9	25.0
Downward House Side	541.9	25.0
Downward Total	1083.8	50.0
Upward Street Side	541.9	25.0
Upward House Side	541.9	25.0
Upward Total	1083.8	50.0
Total Flux	2167.6	100.0

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POLAR GRAPH



Maximum Candela = 3010.221 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

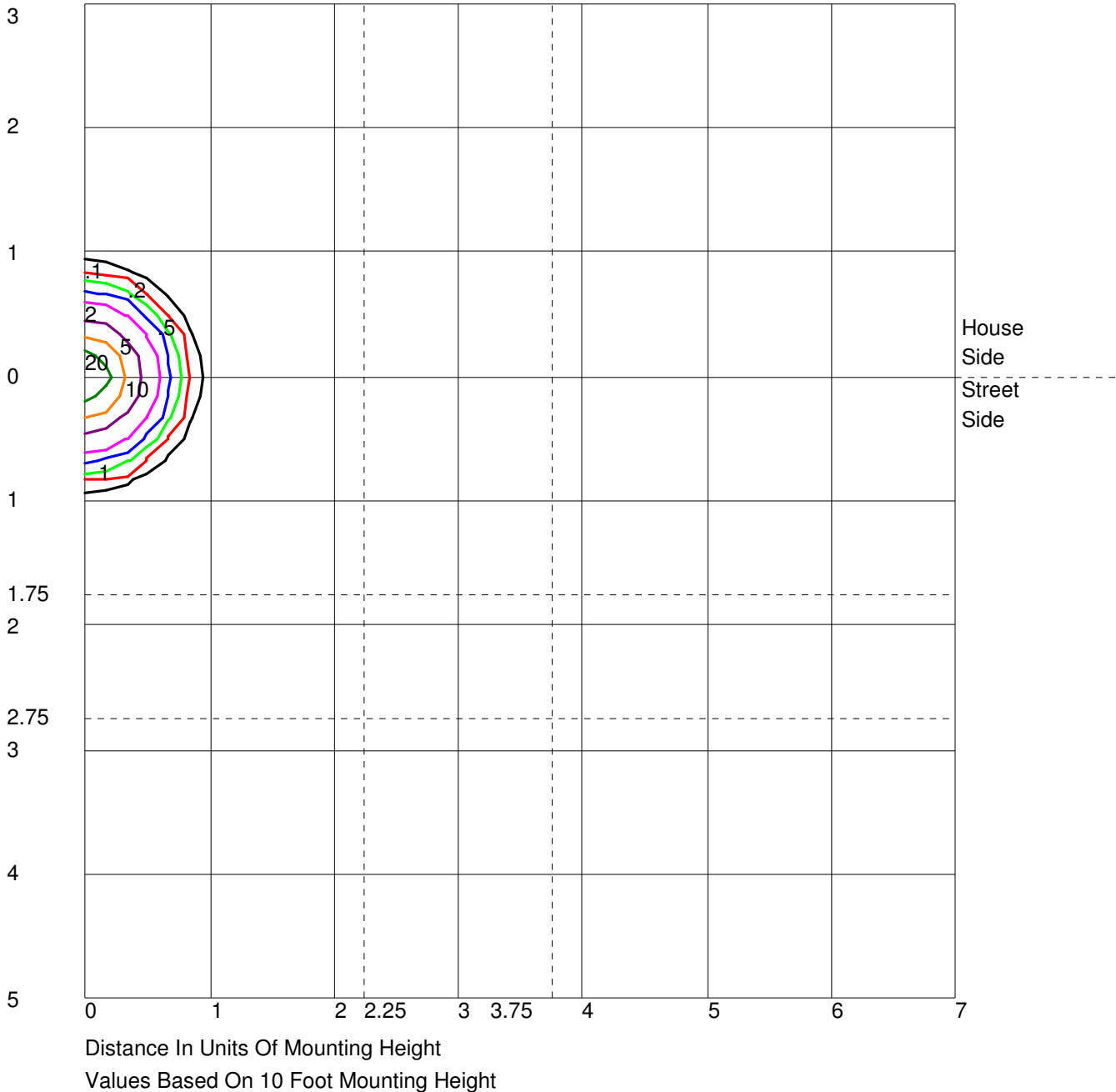


PHOTO LUMENS

