

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-930U-L10-930D-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-L10-930U-L10-930D-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	2101
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2918.072
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2918.072
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.188 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.568 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-930U-L10-930D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	459.6	N.A.	21.9
FM - Front-Medium (30-60)	62.4	N.A.	3.0
FH - Front-High (60-80)	3.0	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	459.6	N.A.	21.9
BM - Back-Medium (30-60)	62.4	N.A.	3.0
BH - Back-High (60-80)	3.0	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)	1050.2	N.A.	50.0
Total	2101.0	N.A.	100.0
BUG Rating	B1-U5-G0		

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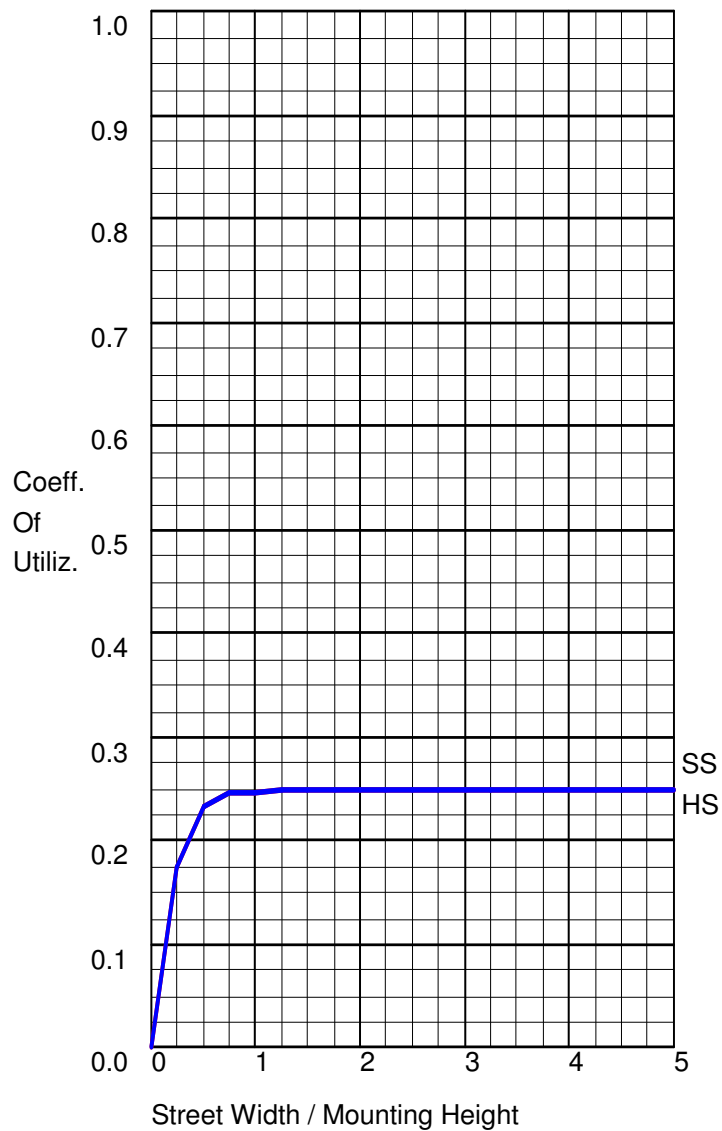
CANDELA TABULATION

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	2918.072	2918.072	2918.072	2918.072	2918.072	2918.072	2918.072	2918.072	2918.072
5	2771.618	2768.050	2769.507	2768.050	2771.618	2768.050	2769.507	2768.050	2771.618
10	2268.408	2262.648	2274.181	2262.648	2268.408	2262.648	2274.181	2262.648	2268.408
15	1468.154	1487.290	1505.576	1487.290	1468.154	1487.290	1505.576	1487.290	1468.154
20	825.786	854.968	869.581	854.968	825.786	854.968	869.581	854.968	825.786
25	519.681	538.284	538.650	538.284	519.681	538.284	538.650	538.284	519.681
30	333.370	340.269	342.590	340.269	333.370	340.269	342.590	340.269	333.370
35	140.081	139.662	140.136	139.662	140.081	139.662	140.136	139.662	140.081
40	33.763	32.275	32.220	32.275	33.763	32.275	32.220	32.275	33.763
45	14.840	15.648	16.275	15.648	14.840	15.648	16.275	15.648	14.840
50	14.993	15.394	15.624	15.394	14.993	15.394	15.624	15.394	14.993
55	11.906	12.143	12.115	12.143	11.906	12.143	12.115	12.143	11.906
60	6.854	6.822	6.815	6.822	6.854	6.822	6.815	6.822	6.854
65	4.063	4.017	4.021	4.017	4.063	4.017	4.021	4.017	4.063
70	2.767	2.728	2.735	2.728	2.767	2.728	2.735	2.728	2.767
75	1.704	1.638	1.599	1.638	1.704	1.638	1.599	1.638	1.704
80	0.568	0.551	0.551	0.551	0.568	0.551	0.551	0.551	0.568
85	0.411	0.408	0.408	0.408	0.411	0.408	0.408	0.408	0.411
90	0.188	0.174	0.160	0.174	0.188	0.174	0.160	0.174	0.188
95	0.411	0.408	0.408	0.408	0.411	0.408	0.408	0.408	0.411
100	0.568	0.551	0.551	0.551	0.568	0.551	0.551	0.551	0.568
105	1.704	1.638	1.599	1.638	1.704	1.638	1.599	1.638	1.704
110	2.767	2.728	2.735	2.728	2.767	2.728	2.735	2.728	2.767
115	4.063	4.017	4.021	4.017	4.063	4.017	4.021	4.017	4.063
120	6.854	6.822	6.815	6.822	6.854	6.822	6.815	6.822	6.854
125	11.906	12.143	12.115	12.143	11.906	12.143	12.115	12.143	11.906
130	14.993	15.394	15.624	15.394	14.993	15.394	15.624	15.394	14.993
135	14.840	15.648	16.275	15.648	14.840	15.648	16.275	15.648	14.840
140	33.763	32.275	32.220	32.275	33.763	32.275	32.220	32.275	33.763
145	140.081	139.662	140.136	139.662	140.081	139.662	140.136	139.662	140.081
150	333.370	340.269	342.590	340.269	333.370	340.269	342.590	340.269	333.370
155	519.681	538.284	538.650	538.284	519.681	538.284	538.650	538.284	519.681
160	825.786	854.968	869.581	854.968	825.786	854.968	869.581	854.968	825.786
165	1468.154	1487.290	1505.576	1487.290	1468.154	1487.290	1505.576	1487.290	1468.154
170	2268.408	2262.648	2274.181	2262.648	2268.408	2262.648	2274.181	2262.648	2268.408
175	2771.618	2768.050	2769.507	2768.050	2771.618	2768.050	2769.507	2768.050	2771.618
180	2917.779	2917.779	2917.779	2917.779	2917.779	2917.779	2917.779	2917.779	2917.779

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COEFFICIENTS OF UTILIZATION



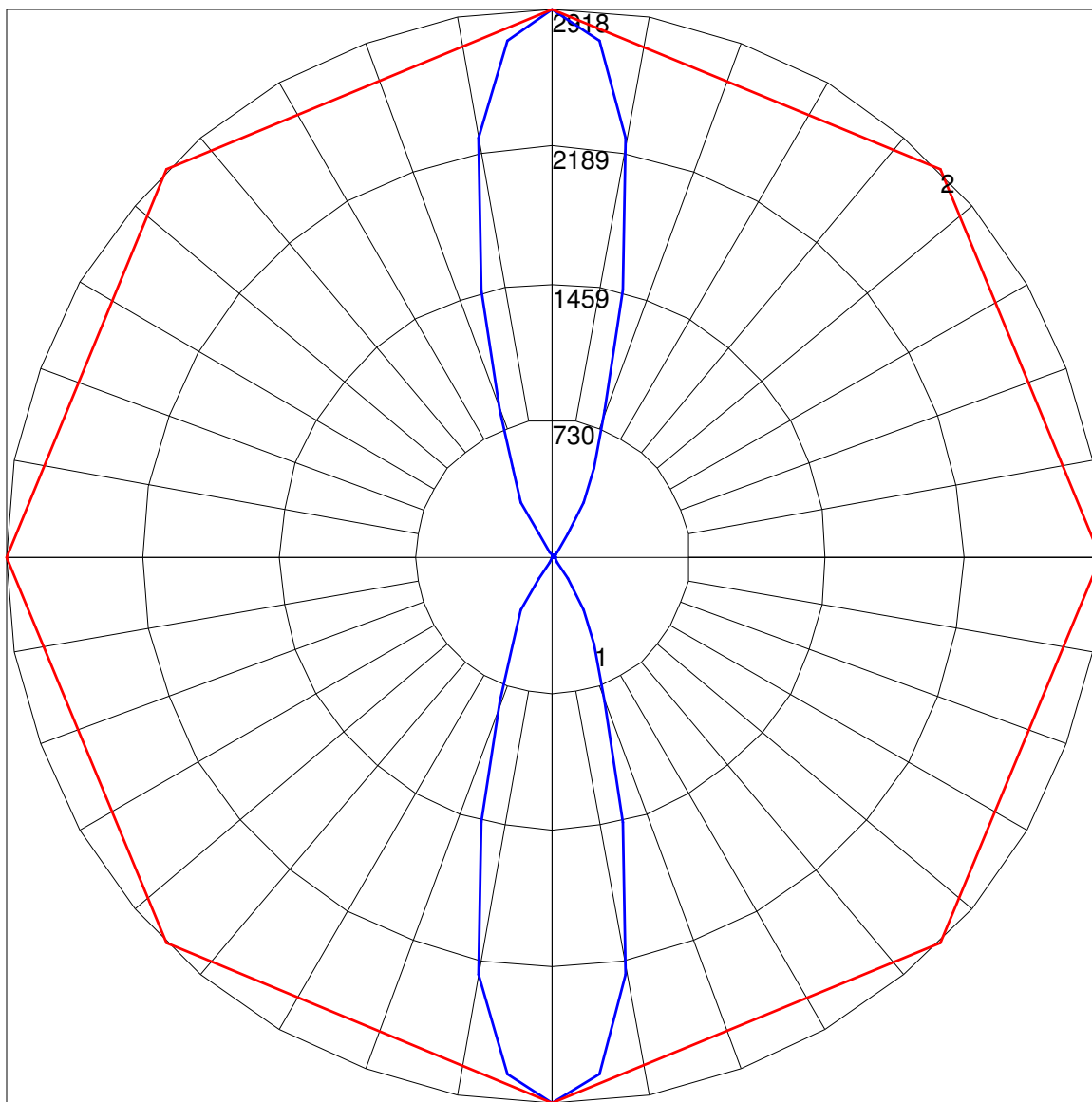
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	525.3	25.0
Downward House Side	525.3	25.0
Downward Total	1050.6	50.0
Upward Street Side	525.3	25.0
Upward House Side	525.3	25.0
Upward Total	1050.6	50.0
Total Flux	2101.2	100.0

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POLAR GRAPH



Maximum Candela = 2918.072 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

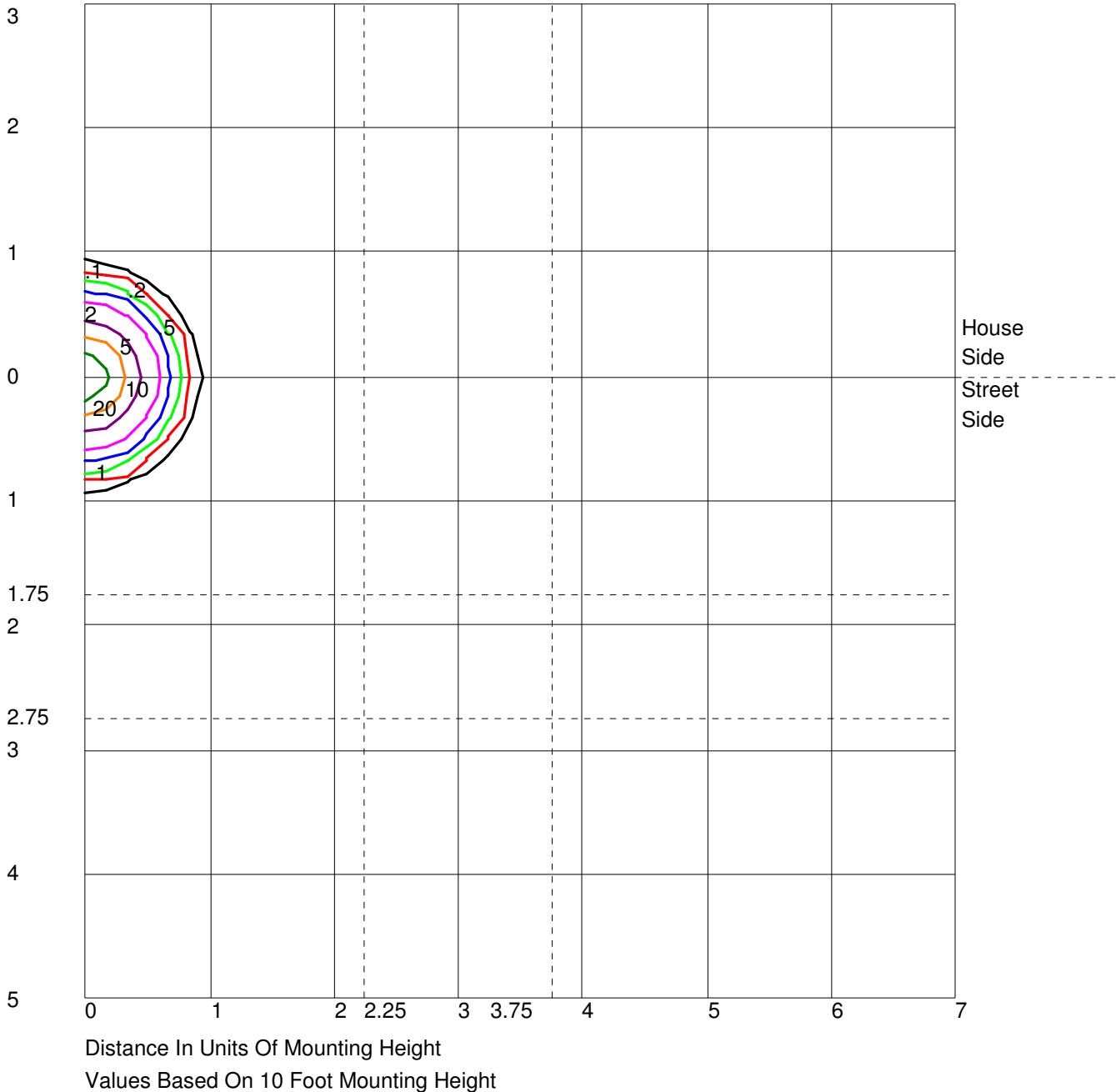


PHOTO LUMENS

