

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-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-L10-850U-L10-850D-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	2190
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3040.938
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3040.938
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.196 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.592 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	479.0	N.A.	21.9
FM - Front-Medium (30-60)	65.0	N.A.	3.0
FH - Front-High (60-80)	3.2	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	479.0	N.A.	21.9
BM - Back-Medium (30-60)	65.0	N.A.	3.0
BH - Back-High (60-80)	3.2	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)	1094.4	N.A.	50.0
Total	2189.6	N.A.	100.0
BUG Rating	B1-U5-G0		

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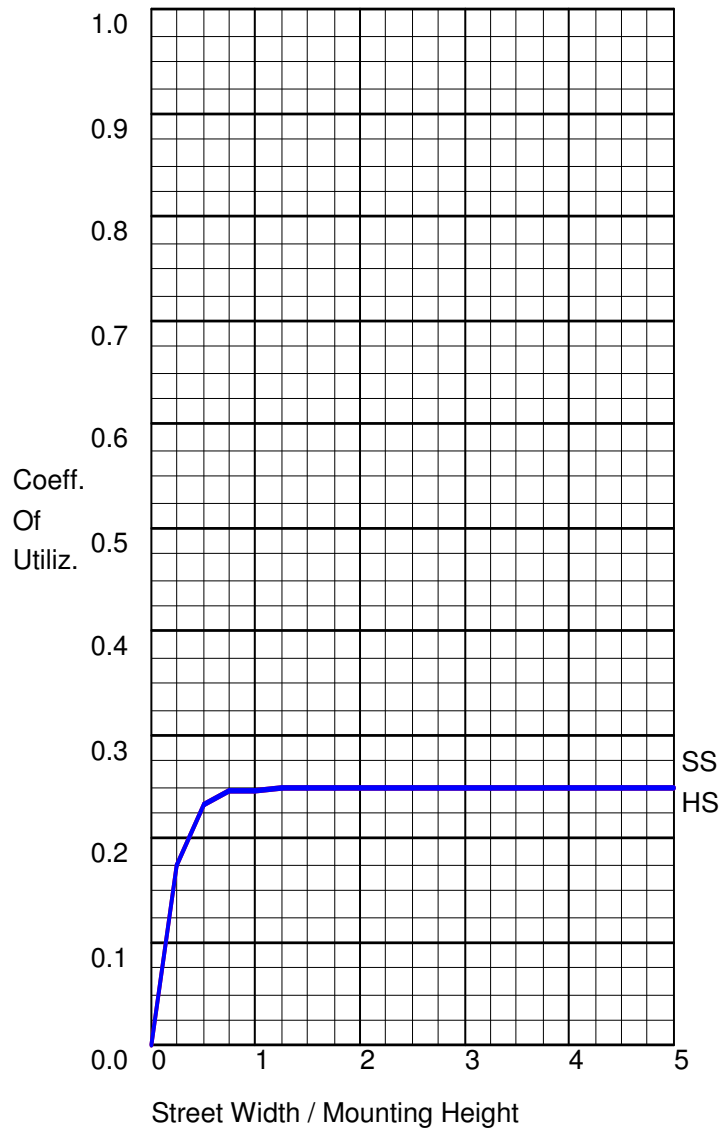
CANDELA TABULATION

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	3040.938	3040.938	3040.938	3040.938	3040.938	3040.938	3040.938	3040.938	3040.938
5	2888.318	2884.600	2886.118	2884.600	2888.318	2884.600	2886.118	2884.600	2888.318
10	2363.920	2357.917	2369.936	2357.917	2363.920	2357.917	2369.936	2357.917	2363.920
15	1529.971	1549.913	1568.969	1549.913	1529.971	1549.913	1568.969	1549.913	1529.971
20	860.556	890.966	906.195	890.966	860.556	890.966	906.195	890.966	860.556
25	541.562	560.948	561.330	560.948	541.562	560.948	561.330	560.948	541.562
30	347.407	354.596	357.015	354.596	347.407	354.596	357.015	354.596	347.407
35	145.979	145.543	146.037	145.543	145.979	145.543	146.037	145.543	145.979
40	35.185	33.634	33.576	33.634	35.185	33.634	33.576	33.634	35.185
45	15.465	16.307	16.961	16.307	15.465	16.307	16.961	16.307	15.465
50	15.624	16.042	16.282	16.042	15.624	16.042	16.282	16.042	15.624
55	12.407	12.654	12.625	12.654	12.407	12.654	12.625	12.654	12.407
60	7.142	7.110	7.102	7.110	7.142	7.110	7.102	7.110	7.142
65	4.234	4.187	4.190	4.187	4.234	4.187	4.190	4.187	4.234
70	2.883	2.843	2.850	2.843	2.883	2.843	2.850	2.843	2.883
75	1.776	1.707	1.667	1.707	1.776	1.707	1.667	1.707	1.776
80	0.592	0.574	0.574	0.574	0.592	0.574	0.574	0.574	0.592
85	0.428	0.425	0.425	0.425	0.428	0.425	0.425	0.425	0.428
90	0.196	0.182	0.167	0.182	0.196	0.182	0.167	0.182	0.196
95	0.428	0.425	0.425	0.425	0.428	0.425	0.425	0.425	0.428
100	0.592	0.574	0.574	0.574	0.592	0.574	0.574	0.574	0.592
105	1.776	1.707	1.667	1.707	1.776	1.707	1.667	1.707	1.776
110	2.883	2.843	2.850	2.843	2.883	2.843	2.850	2.843	2.883
115	4.234	4.187	4.190	4.187	4.234	4.187	4.190	4.187	4.234
120	7.142	7.110	7.102	7.110	7.142	7.110	7.102	7.110	7.142
125	12.407	12.654	12.625	12.654	12.407	12.654	12.625	12.654	12.407
130	15.624	16.042	16.282	16.042	15.624	16.042	16.282	16.042	15.624
135	15.465	16.307	16.961	16.307	15.465	16.307	16.961	16.307	15.465
140	35.185	33.634	33.576	33.634	35.185	33.634	33.576	33.634	35.185
145	145.979	145.543	146.037	145.543	145.979	145.543	146.037	145.543	145.979
150	347.407	354.596	357.015	354.596	347.407	354.596	357.015	354.596	347.407
155	541.562	560.948	561.330	560.948	541.562	560.948	561.330	560.948	541.562
160	860.556	890.966	906.195	890.966	860.556	890.966	906.195	890.966	860.556
165	1529.971	1549.913	1568.969	1549.913	1529.971	1549.913	1568.969	1549.913	1529.971
170	2363.920	2357.917	2369.936	2357.917	2363.920	2357.917	2369.936	2357.917	2363.920
175	2888.318	2884.600	2886.118	2884.600	2888.318	2884.600	2886.118	2884.600	2888.318
180	3040.633	3040.633	3040.633	3040.633	3040.633	3040.633	3040.633	3040.633	3040.633

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COEFFICIENTS OF UTILIZATION



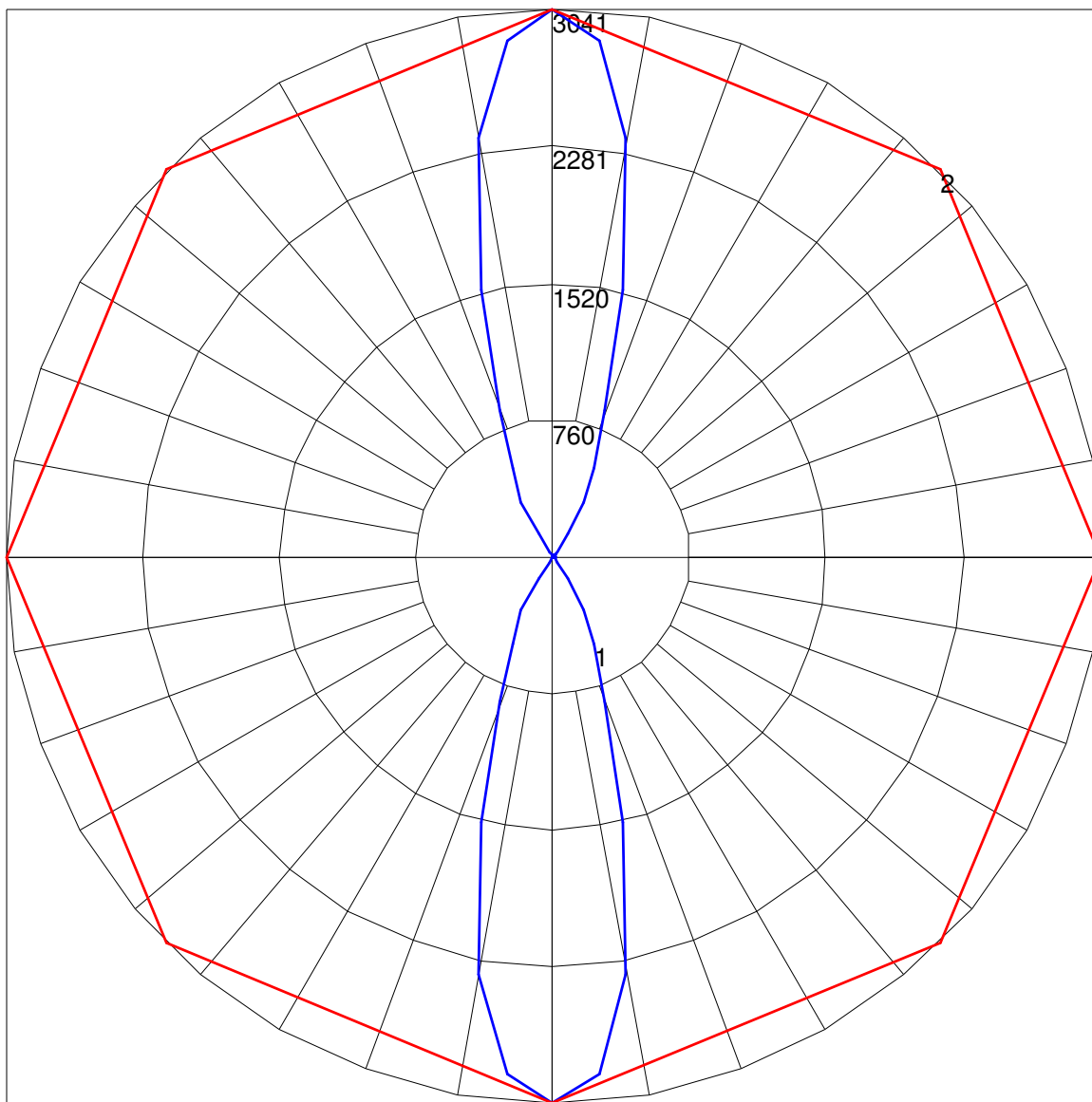
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	547.4	25.0
Downward House Side	547.4	25.0
Downward Total	1094.8	50.0
Upward Street Side	547.4	25.0
Upward House Side	547.4	25.0
Upward Total	1094.8	50.0
Total Flux	2189.6	100.0

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POLAR GRAPH



Maximum Candela = 3040.938 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

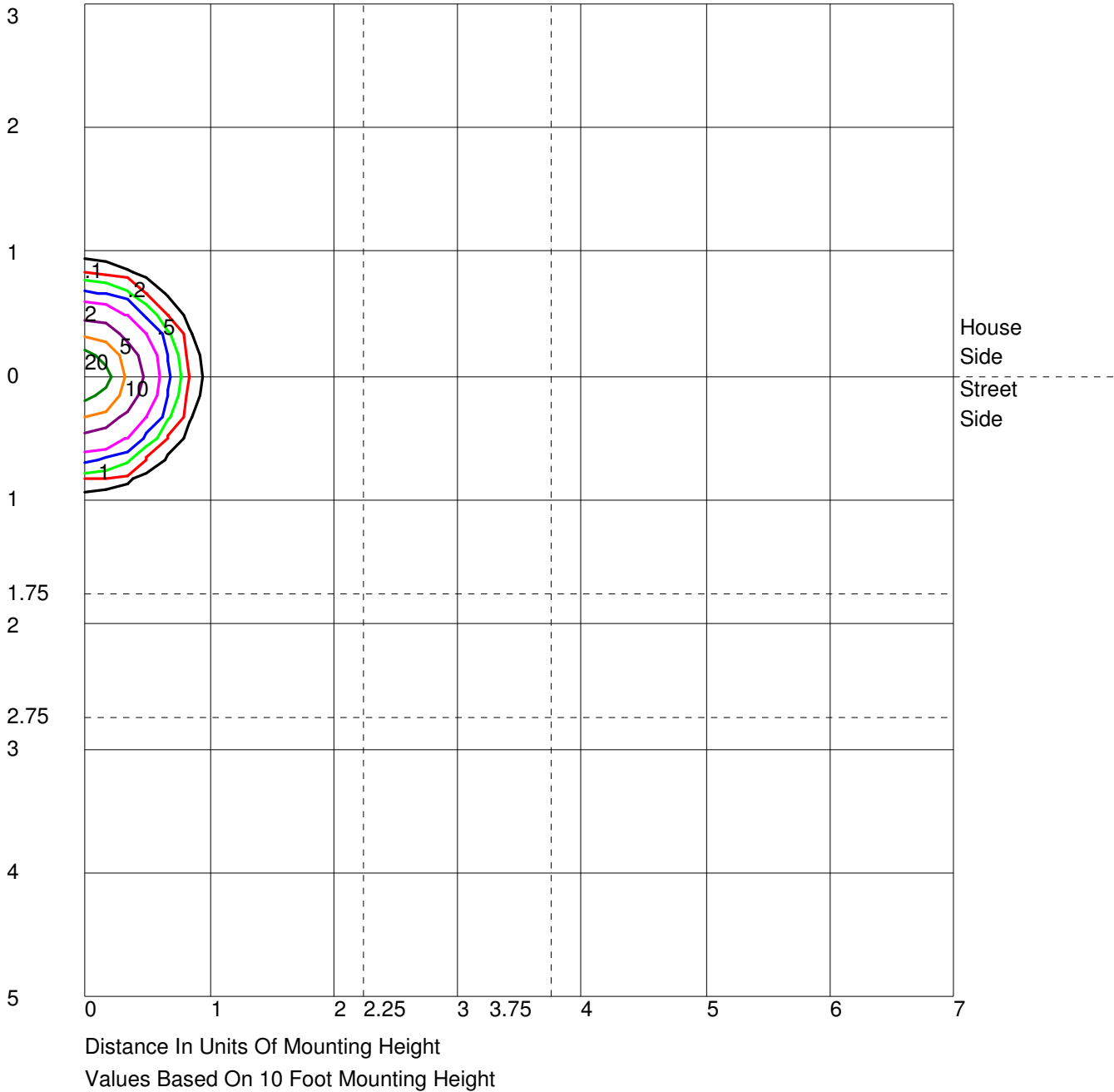


PHOTO LUMENS

