

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-930U-L15-930D-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-L15-930U-L15-930D-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	3097
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4300.593
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4300.593
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.277 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.837 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	677.4	N.A.	21.9
FM - Front-Medium (30-60)	92.0	N.A.	3.0
FH - Front-High (60-80)	4.5	N.A.	0.1
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	677.4	N.A.	21.9
BM - Back-Medium (30-60)	92.0	N.A.	3.0
BH - Back-High (60-80)	4.5	N.A.	0.1
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	1547.8	N.A.	50.0
Total	3096.8	N.A.	100.0
BUG Rating	B2-U5-G0		

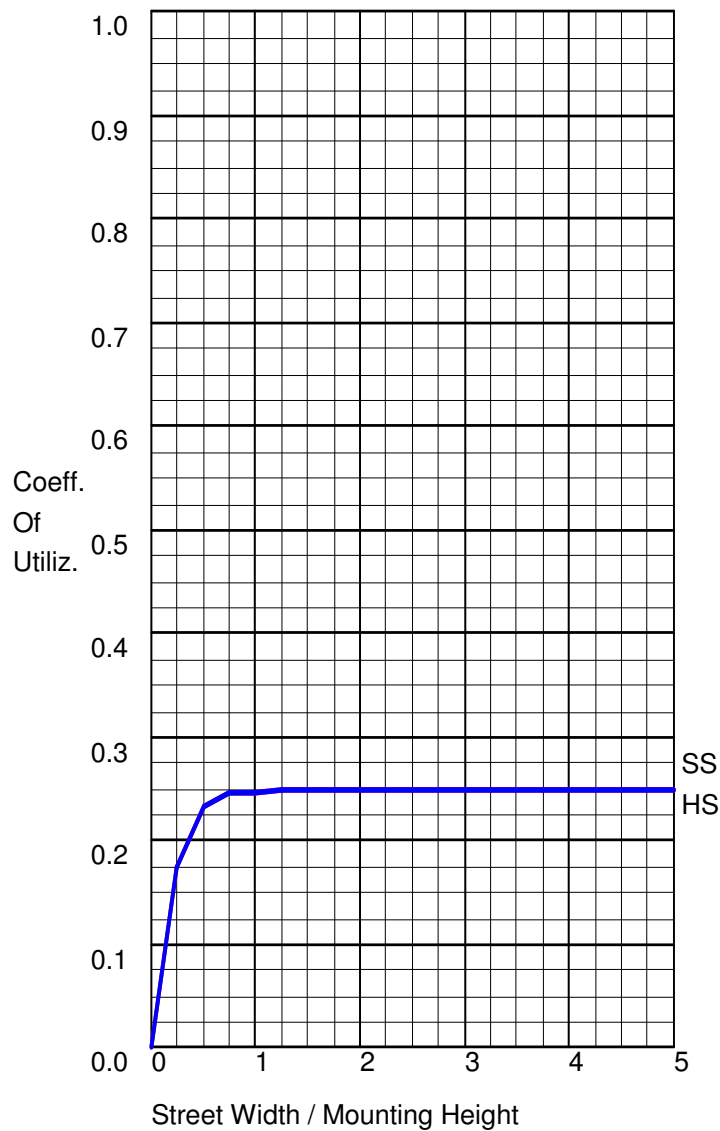
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CANDELA TABULATION

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	4300.593	4300.593	4300.593	4300.593	4300.593	4300.593	4300.593	4300.593	4300.593
5	4084.753	4079.495	4081.642	4079.495	4084.753	4079.495	4081.642	4079.495	4084.753
10	3343.132	3334.644	3351.641	3334.644	3343.132	3334.644	3351.641	3334.644	3343.132
15	2163.735	2191.938	2218.887	2191.938	2163.735	2191.938	2218.887	2191.938	2163.735
20	1217.027	1260.034	1281.571	1260.034	1217.027	1260.034	1281.571	1260.034	1217.027
25	765.895	793.312	793.851	793.312	765.895	793.312	793.851	793.312	765.895
30	491.314	501.482	504.902	501.482	491.314	501.482	504.902	501.482	491.314
35	206.448	205.832	206.530	205.832	206.448	205.832	206.530	205.832	206.448
40	49.759	47.567	47.485	47.567	49.759	47.567	47.485	47.567	49.759
45	21.871	23.062	23.986	23.062	21.871	23.062	23.986	23.062	21.871
50	22.096	22.687	23.026	22.687	22.096	22.687	23.026	22.687	22.096
55	17.547	17.896	17.855	17.896	17.547	17.896	17.855	17.896	17.547
60	10.101	10.055	10.044	10.055	10.101	10.055	10.044	10.055	10.101
65	5.988	5.921	5.926	5.921	5.988	5.921	5.926	5.921	5.988
70	4.077	4.021	4.031	4.021	4.077	4.021	4.031	4.021	4.077
75	2.511	2.414	2.357	2.414	2.511	2.414	2.357	2.414	2.511
80	0.837	0.811	0.811	0.811	0.837	0.811	0.811	0.811	0.837
85	0.606	0.601	0.601	0.601	0.606	0.601	0.601	0.601	0.606
90	0.277	0.257	0.236	0.257	0.277	0.257	0.236	0.257	0.277
95	0.606	0.601	0.601	0.601	0.606	0.601	0.601	0.601	0.606
100	0.837	0.811	0.811	0.811	0.837	0.811	0.811	0.811	0.837
105	2.511	2.414	2.357	2.414	2.511	2.414	2.357	2.414	2.511
110	4.077	4.021	4.031	4.021	4.077	4.021	4.031	4.021	4.077
115	5.988	5.921	5.926	5.921	5.988	5.921	5.926	5.921	5.988
120	10.101	10.055	10.044	10.055	10.101	10.055	10.044	10.055	10.101
125	17.547	17.896	17.855	17.896	17.547	17.896	17.855	17.896	17.547
130	22.096	22.687	23.026	22.687	22.096	22.687	23.026	22.687	22.096
135	21.871	23.062	23.986	23.062	21.871	23.062	23.986	23.062	21.871
140	49.759	47.567	47.485	47.567	49.759	47.567	47.485	47.567	49.759
145	206.448	205.832	206.530	205.832	206.448	205.832	206.530	205.832	206.448
150	491.314	501.482	504.902	501.482	491.314	501.482	504.902	501.482	491.314
155	765.895	793.312	793.851	793.312	765.895	793.312	793.851	793.312	765.895
160	1217.027	1260.034	1281.571	1260.034	1217.027	1260.034	1281.571	1260.034	1217.027
165	2163.735	2191.938	2218.887	2191.938	2163.735	2191.938	2218.887	2191.938	2163.735
170	3343.132	3334.644	3351.641	3334.644	3343.132	3334.644	3351.641	3334.644	3343.132
175	4084.753	4079.495	4081.642	4079.495	4084.753	4079.495	4081.642	4079.495	4084.753
180	4300.162	4300.162	4300.162	4300.162	4300.162	4300.162	4300.162	4300.162	4300.162

COEFFICIENTS OF UTILIZATION



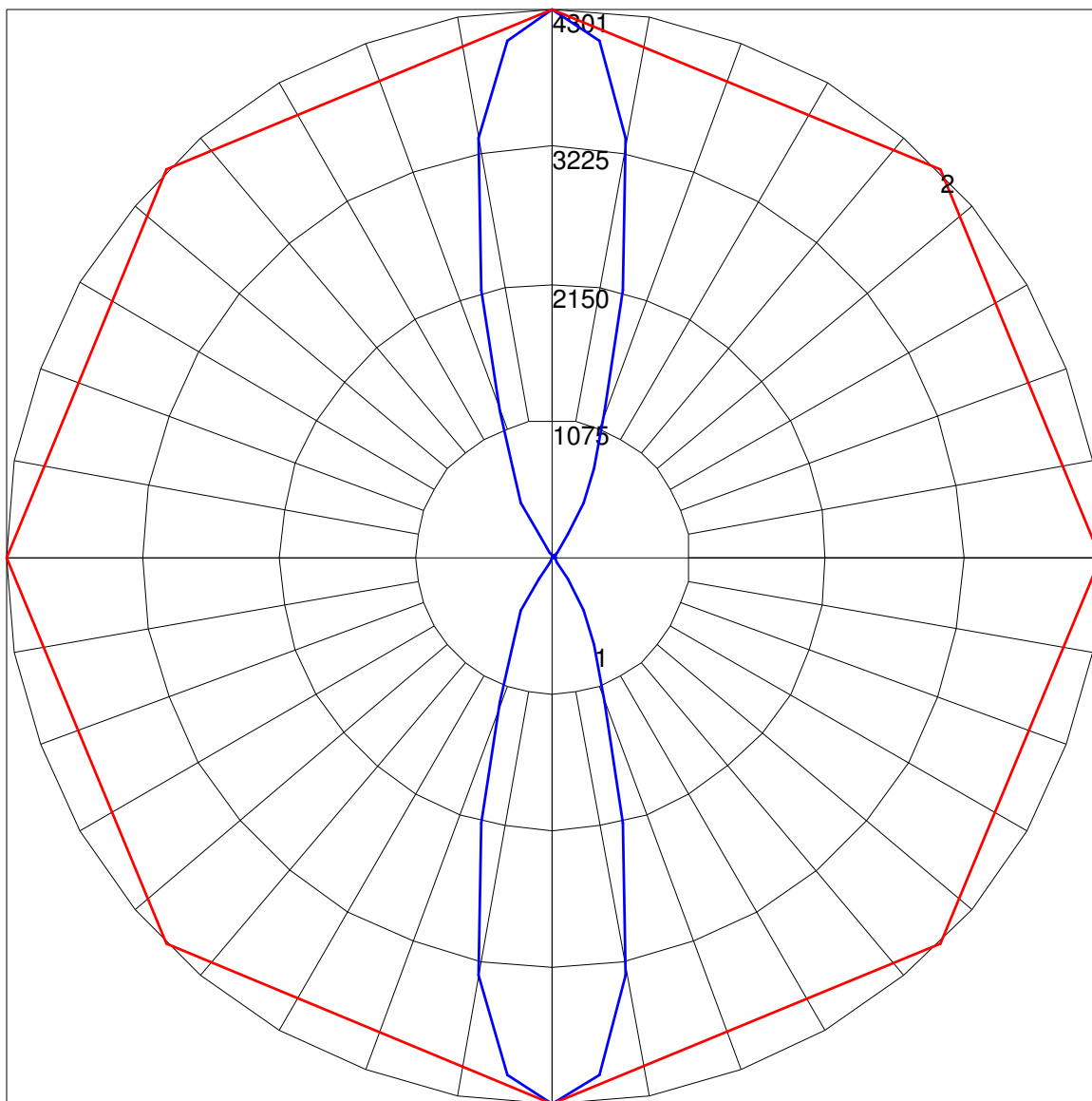
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	774.2	25.0
Downward House Side	774.2	25.0
Downward Total	1548.4	50.0
Upward Street Side	774.2	25.0
Upward House Side	774.2	25.0
Upward Total	1548.4	50.0
Total Flux	3096.8	100.0

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POLAR GRAPH



Maximum Candela = 4300.593 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

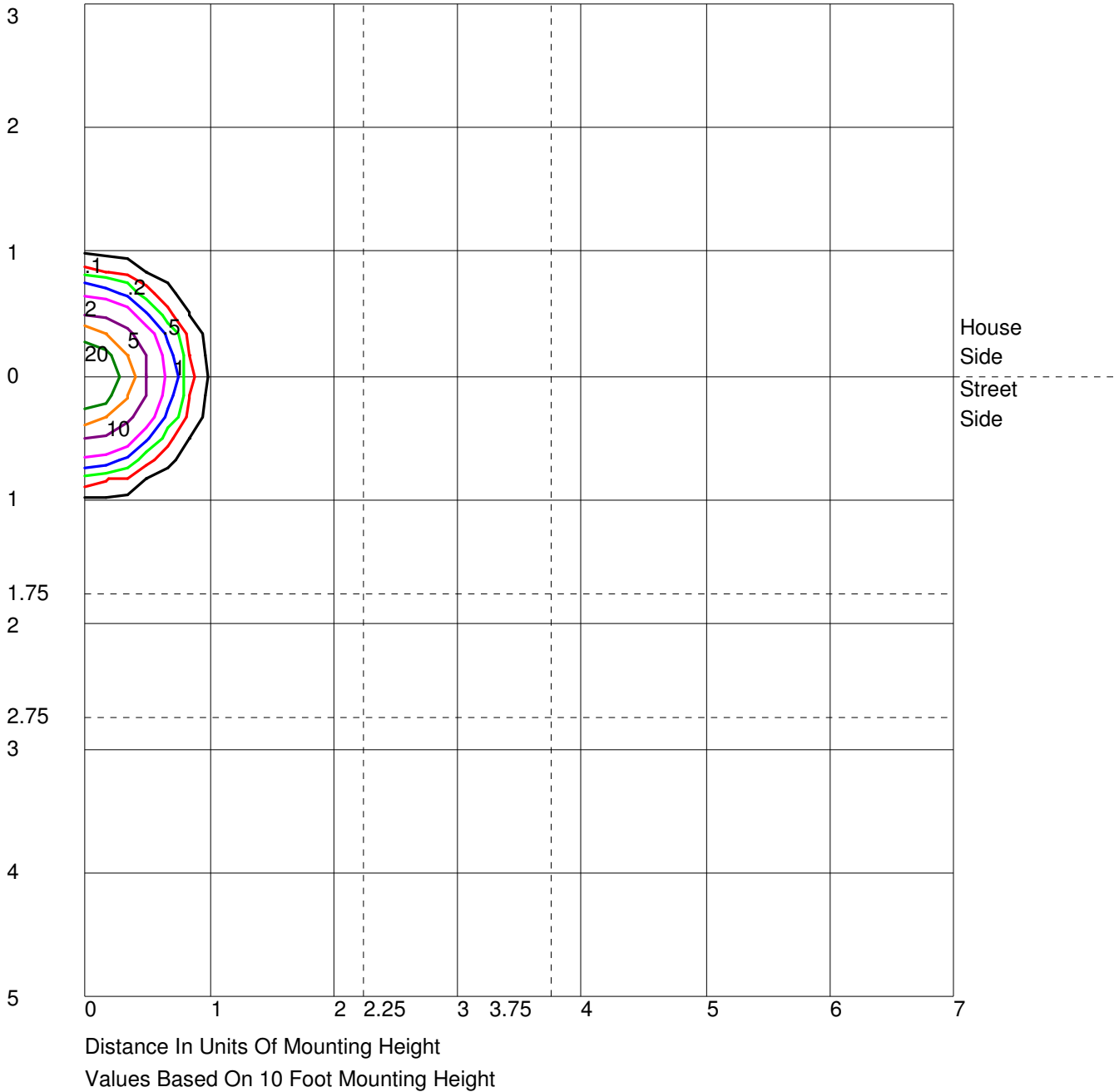


PHOTO LUMENS

