

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-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-L15-935U-L15-935D-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	3129
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4345.863
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4345.863
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.28 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.846 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	684.5	N.A.	21.9
FM - Front-Medium (30-60)	93.0	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)	684.5	N.A.	21.9
BM - Back-Medium (30-60)	93.0	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)	1564.1	N.A.	50.0
Total	3129.3	N.A.	100.0
BUG Rating	B2-U5-G0		

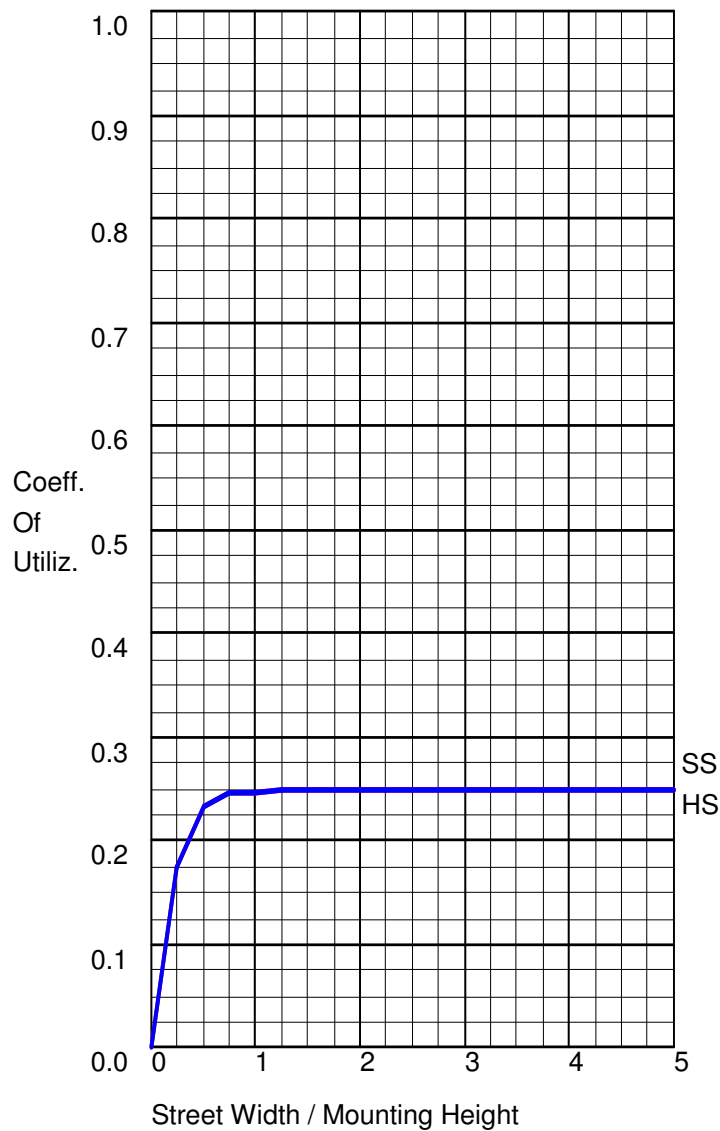
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CANDELA TABULATION

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	4345.863	4345.863	4345.863	4345.863	4345.863	4345.863	4345.863	4345.863	4345.863
5	4127.751	4122.437	4124.606	4122.437	4127.751	4122.437	4124.606	4122.437	4127.751
10	3378.323	3369.745	3386.921	3369.745	3378.323	3369.745	3386.921	3369.745	3378.323
15	2186.511	2215.010	2242.243	2215.010	2186.511	2215.010	2242.243	2215.010	2186.511
20	1229.838	1273.297	1295.061	1273.297	1229.838	1273.297	1295.061	1273.297	1229.838
25	773.957	801.662	802.207	801.662	773.957	801.662	802.207	801.662	773.957
30	496.486	506.761	510.217	506.761	496.486	506.761	510.217	506.761	496.486
35	208.621	207.998	208.704	207.998	208.621	207.998	208.704	207.998	208.621
40	50.283	48.067	47.984	48.067	50.283	48.067	47.984	48.067	50.283
45	22.101	23.305	24.239	23.305	22.101	23.305	24.239	23.305	22.101
50	22.329	22.926	23.268	22.926	22.329	22.926	23.268	22.926	22.329
55	17.731	18.084	18.043	18.084	17.731	18.084	18.043	18.084	17.731
60	10.207	10.160	10.150	10.160	10.207	10.160	10.150	10.160	10.207
65	6.051	5.983	5.988	5.983	6.051	5.983	5.988	5.983	6.051
70	4.120	4.063	4.074	4.063	4.120	4.063	4.074	4.063	4.120
75	2.538	2.439	2.382	2.439	2.538	2.439	2.382	2.439	2.538
80	0.846	0.820	0.820	0.820	0.846	0.820	0.820	0.820	0.846
85	0.612	0.607	0.607	0.607	0.612	0.607	0.607	0.607	0.612
90	0.280	0.259	0.239	0.259	0.280	0.259	0.239	0.259	0.280
95	0.612	0.607	0.607	0.607	0.612	0.607	0.607	0.607	0.612
100	0.846	0.820	0.820	0.820	0.846	0.820	0.820	0.820	0.846
105	2.538	2.439	2.382	2.439	2.538	2.439	2.382	2.439	2.538
110	4.120	4.063	4.074	4.063	4.120	4.063	4.074	4.063	4.120
115	6.051	5.983	5.988	5.983	6.051	5.983	5.988	5.983	6.051
120	10.207	10.160	10.150	10.160	10.207	10.160	10.150	10.160	10.207
125	17.731	18.084	18.043	18.084	17.731	18.084	18.043	18.084	17.731
130	22.329	22.926	23.268	22.926	22.329	22.926	23.268	22.926	22.329
135	22.101	23.305	24.239	23.305	22.101	23.305	24.239	23.305	22.101
140	50.283	48.067	47.984	48.067	50.283	48.067	47.984	48.067	50.283
145	208.621	207.998	208.704	207.998	208.621	207.998	208.704	207.998	208.621
150	496.486	506.761	510.217	506.761	496.486	506.761	510.217	506.761	496.486
155	773.957	801.662	802.207	801.662	773.957	801.662	802.207	801.662	773.957
160	1229.838	1273.297	1295.061	1273.297	1229.838	1273.297	1295.061	1273.297	1229.838
165	2186.511	2215.010	2242.243	2215.010	2186.511	2215.010	2242.243	2215.010	2186.511
170	3378.323	3369.745	3386.921	3369.745	3378.323	3369.745	3386.921	3369.745	3378.323
175	4127.751	4122.437	4124.606	4122.437	4127.751	4122.437	4124.606	4122.437	4127.751
180	4345.427	4345.427	4345.427	4345.427	4345.427	4345.427	4345.427	4345.427	4345.427

COEFFICIENTS OF UTILIZATION



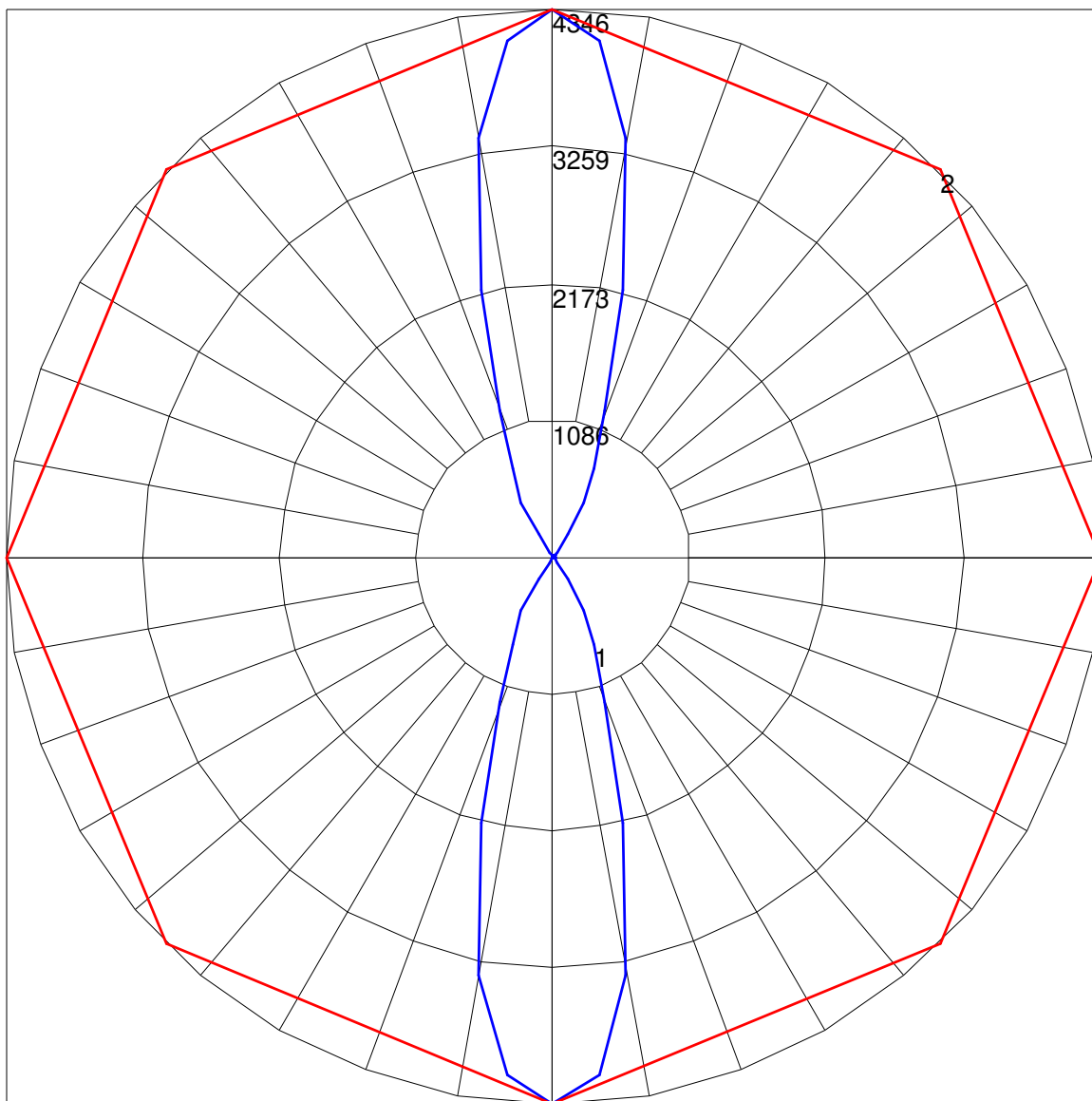
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	782.4	25.0
Downward House Side	782.4	25.0
Downward Total	1564.8	50.0
Upward Street Side	782.3	25.0
Upward House Side	782.3	25.0
Upward Total	1564.6	50.0
Total Flux	3129.4	100.0

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POLAR GRAPH



Maximum Candela = 4345.863 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

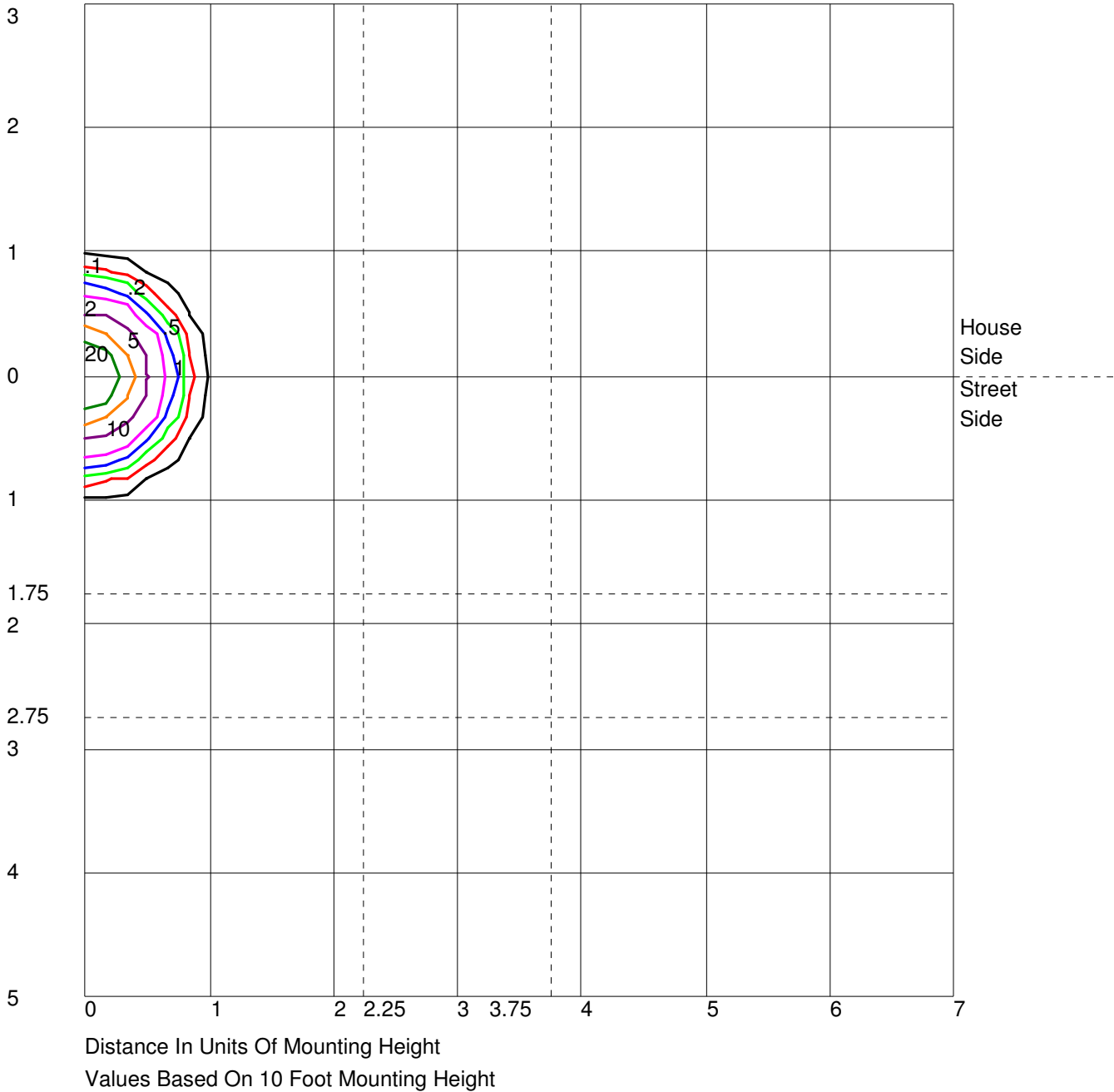


PHOTO LUMENS

