

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-935U-L10-935D-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-L10-935U-L10-935D-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	2123
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2948.788
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2948.788
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.19 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.574 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-935U-L10-935D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	464.5	N.A.	21.9
FM - Front-Medium (30-60)	63.1	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)	464.5	N.A.	21.9
BM - Back-Medium (30-60)	63.1	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)	1061.3	N.A.	50.0
Total	2123.5	N.A.	100.0
BUG Rating	B1-U5-G0		

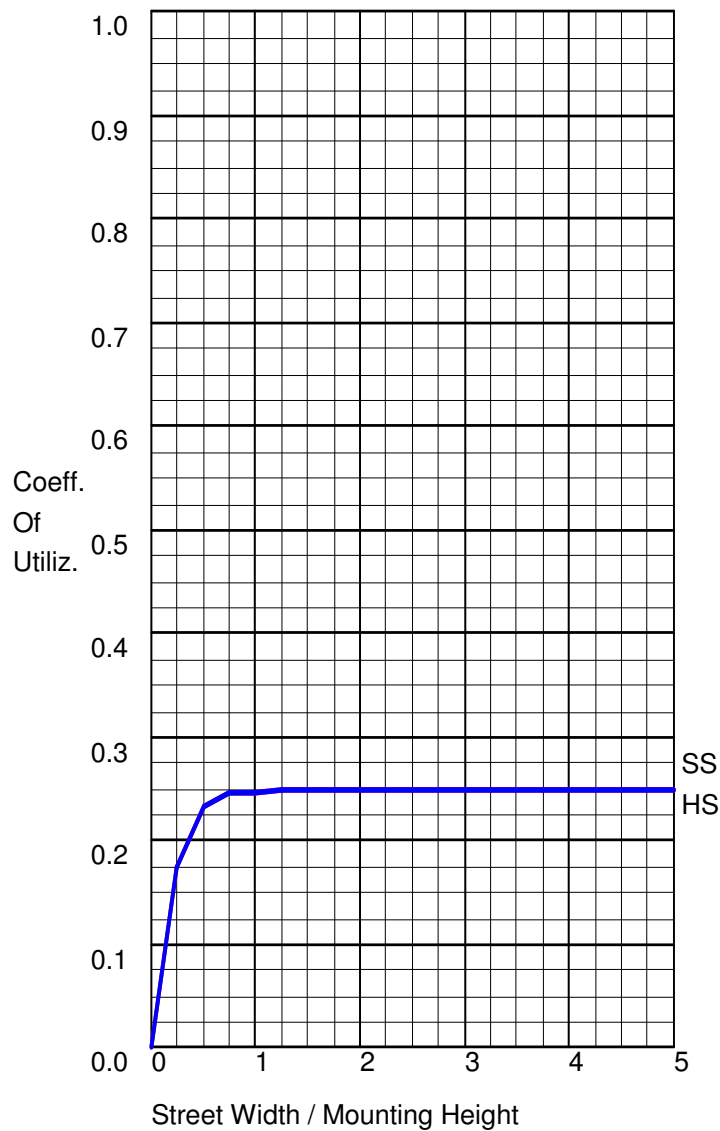
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CANDELA TABULATION

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	2948.788	2948.788	2948.788	2948.788	2948.788	2948.788	2948.788	2948.788	2948.788
5	2800.793	2797.187	2798.659	2797.187	2800.793	2797.187	2798.659	2797.187	2800.793
10	2292.285	2286.465	2298.120	2286.465	2292.285	2286.465	2298.120	2286.465	2292.285
15	1483.608	1502.946	1521.424	1502.946	1483.608	1502.946	1521.424	1502.946	1483.608
20	834.479	863.967	878.734	863.967	834.479	863.967	878.734	863.967	834.479
25	525.151	543.950	544.320	543.950	525.151	543.950	544.320	543.950	525.151
30	336.879	343.851	346.196	343.851	336.879	343.851	346.196	343.851	336.879
35	141.555	141.133	141.611	141.133	141.555	141.133	141.611	141.133	141.555
40	34.119	32.615	32.559	32.615	34.119	32.615	32.559	32.615	34.119
45	14.996	15.813	16.447	15.813	14.996	15.813	16.447	15.813	14.996
50	15.151	15.556	15.788	15.556	15.151	15.556	15.788	15.556	15.151
55	12.031	12.271	12.243	12.271	12.031	12.271	12.243	12.271	12.031
60	6.926	6.894	6.887	6.894	6.926	6.894	6.887	6.894	6.926
65	4.105	4.060	4.063	4.060	4.105	4.060	4.063	4.060	4.105
70	2.796	2.757	2.764	2.757	2.796	2.757	2.764	2.757	2.796
75	1.722	1.655	1.616	1.655	1.722	1.655	1.616	1.655	1.722
80	0.574	0.556	0.556	0.556	0.574	0.556	0.556	0.556	0.574
85	0.415	0.412	0.412	0.412	0.415	0.412	0.412	0.412	0.415
90	0.190	0.176	0.162	0.176	0.190	0.176	0.162	0.176	0.190
95	0.415	0.412	0.412	0.412	0.415	0.412	0.412	0.412	0.415
100	0.574	0.556	0.556	0.556	0.574	0.556	0.556	0.556	0.574
105	1.722	1.655	1.616	1.655	1.722	1.655	1.616	1.655	1.722
110	2.796	2.757	2.764	2.757	2.796	2.757	2.764	2.757	2.796
115	4.105	4.060	4.063	4.060	4.105	4.060	4.063	4.060	4.105
120	6.926	6.894	6.887	6.894	6.926	6.894	6.887	6.894	6.926
125	12.031	12.271	12.243	12.271	12.031	12.271	12.243	12.271	12.031
130	15.151	15.556	15.788	15.556	15.151	15.556	15.788	15.556	15.151
135	14.996	15.813	16.447	15.813	14.996	15.813	16.447	15.813	14.996
140	34.119	32.615	32.559	32.615	34.119	32.615	32.559	32.615	34.119
145	141.555	141.133	141.611	141.133	141.555	141.133	141.611	141.133	141.555
150	336.879	343.851	346.196	343.851	336.879	343.851	346.196	343.851	336.879
155	525.151	543.950	544.320	543.950	525.151	543.950	544.320	543.950	525.151
160	834.479	863.967	878.734	863.967	834.479	863.967	878.734	863.967	834.479
165	1483.608	1502.946	1521.424	1502.946	1483.608	1502.946	1521.424	1502.946	1483.608
170	2292.285	2286.465	2298.120	2286.465	2292.285	2286.465	2298.120	2286.465	2292.285
175	2800.793	2797.187	2798.659	2797.187	2800.793	2797.187	2798.659	2797.187	2800.793
180	2948.492	2948.492	2948.492	2948.492	2948.492	2948.492	2948.492	2948.492	2948.492

COEFFICIENTS OF UTILIZATION



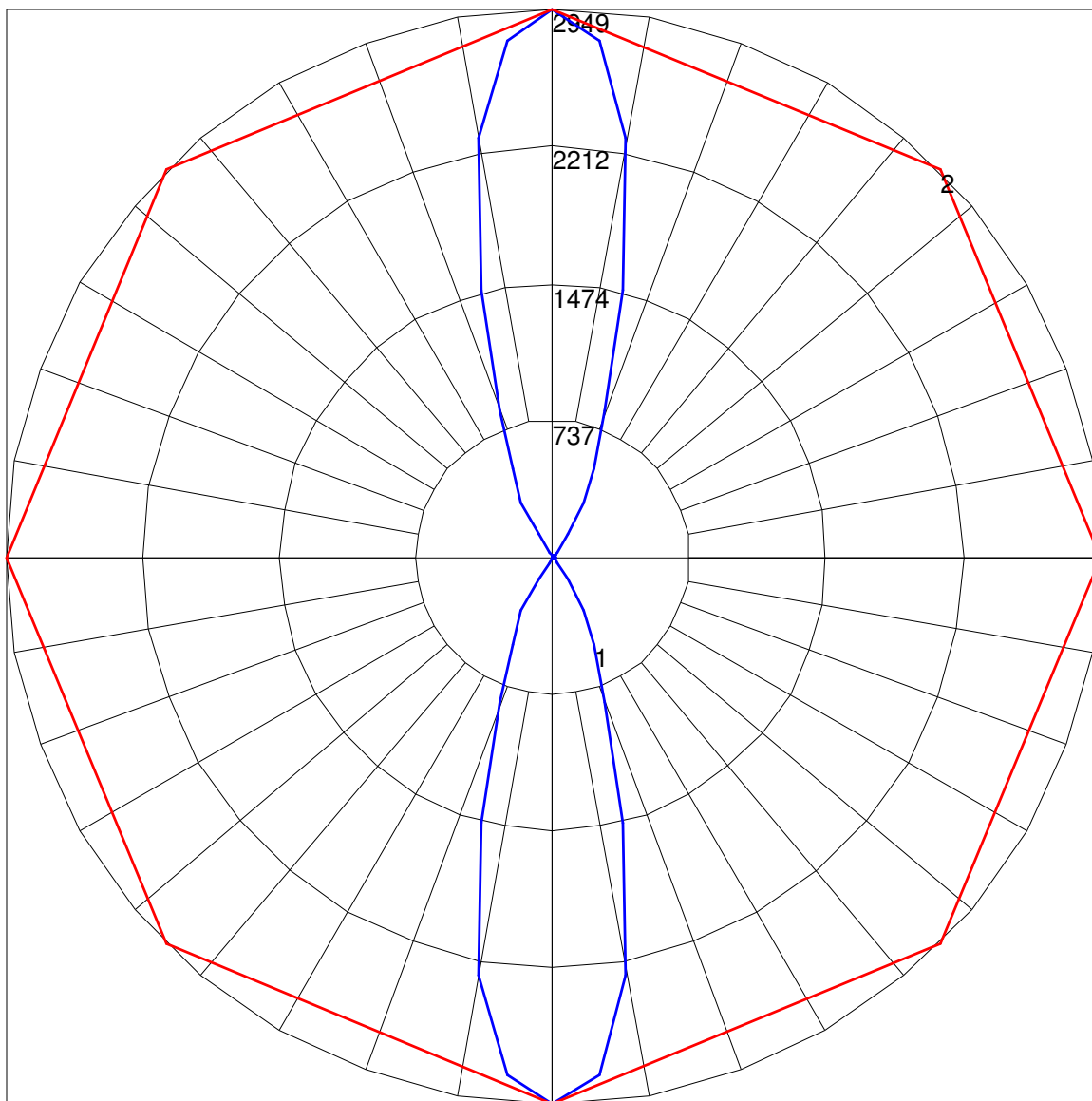
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	530.8	25.0
Downward House Side	530.8	25.0
Downward Total	1061.6	50.0
Upward Street Side	530.8	25.0
Upward House Side	530.8	25.0
Upward Total	1061.6	50.0
Total Flux	2123.2	100.0

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POLAR GRAPH



Maximum Candela = 2948.788 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

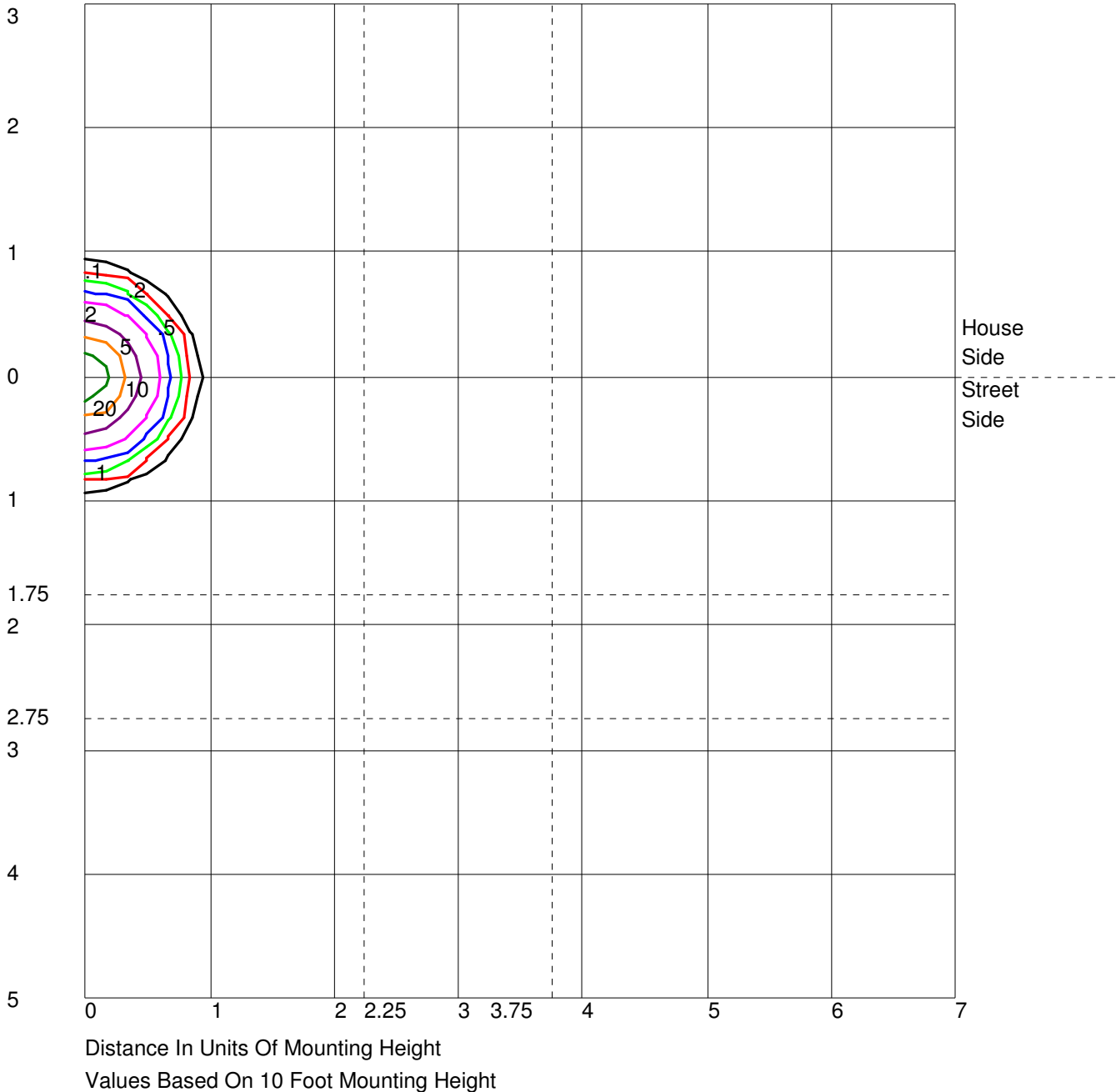


PHOTO LUMENS

