

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-927U-L10-927D-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-L10-927U-L10-927D-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	2057
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2856.639
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2856.639
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.184 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.556 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-927U-L10-927D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	450.0	N.A.	21.9
FM - Front-Medium (30-60)	61.1	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)	450.0	N.A.	21.9
BM - Back-Medium (30-60)	61.1	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)	1028.1	N.A.	50.0
Total	2057.1	N.A.	100.0
BUG Rating	B1-U5-G0		

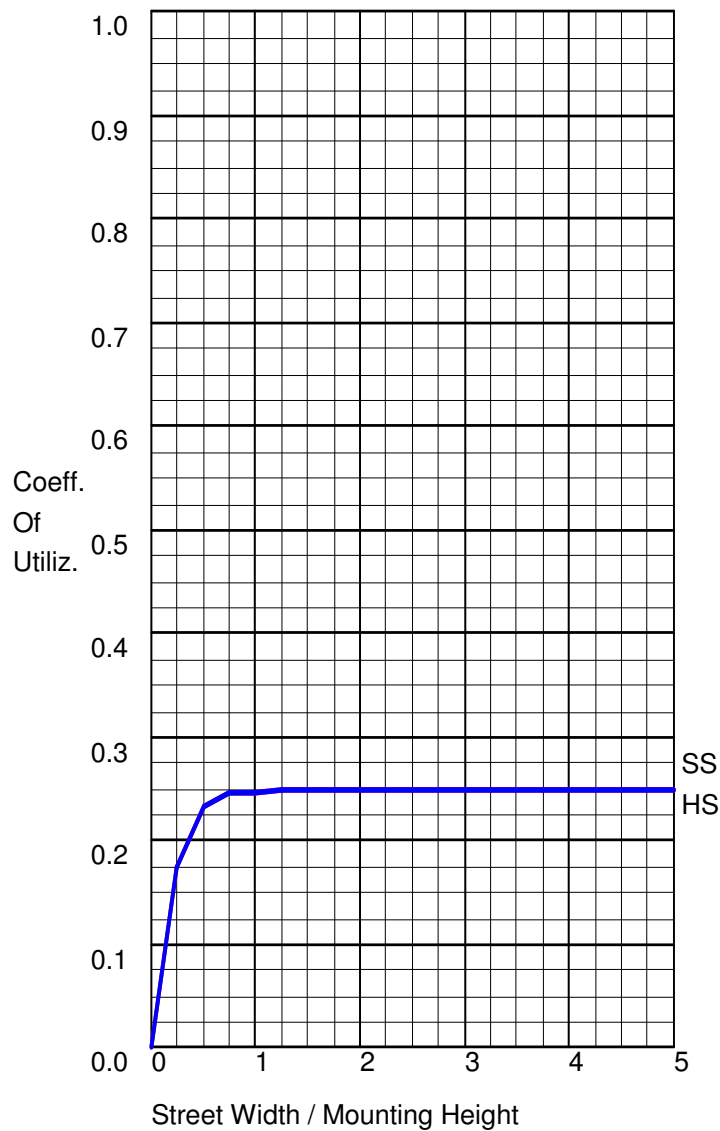
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CANDELA TABULATION

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	2856.639	2856.639	2856.639	2856.639	2856.639	2856.639	2856.639	2856.639	2856.639
5	2713.269	2709.776	2711.202	2709.776	2713.269	2709.776	2711.202	2709.776	2713.269
10	2220.652	2215.014	2226.304	2215.014	2220.652	2215.014	2226.304	2215.014	2220.652
15	1437.246	1455.979	1473.880	1455.979	1437.246	1455.979	1473.880	1455.979	1437.246
20	808.402	836.969	851.274	836.969	808.402	836.969	851.274	836.969	808.402
25	508.740	526.952	527.310	526.952	508.740	526.952	527.310	526.952	508.740
30	326.352	333.106	335.378	333.106	326.352	333.106	335.378	333.106	326.352
35	137.132	136.722	137.186	136.722	137.132	136.722	137.186	136.722	137.132
40	33.052	31.596	31.541	31.596	33.052	31.596	31.541	31.596	33.052
45	14.527	15.319	15.933	15.319	14.527	15.319	15.933	15.319	14.527
50	14.677	15.070	15.295	15.070	14.677	15.070	15.295	15.070	14.677
55	11.655	11.887	11.860	11.887	11.655	11.887	11.860	11.887	11.655
60	6.709	6.679	6.672	6.679	6.709	6.679	6.672	6.679	6.709
65	3.977	3.933	3.936	3.933	3.977	3.933	3.936	3.933	3.977
70	2.708	2.671	2.678	2.671	2.708	2.671	2.678	2.671	2.708
75	1.668	1.603	1.566	1.603	1.668	1.603	1.566	1.603	1.668
80	0.556	0.539	0.539	0.539	0.556	0.539	0.539	0.539	0.556
85	0.402	0.399	0.399	0.399	0.402	0.399	0.399	0.399	0.402
90	0.184	0.171	0.157	0.171	0.184	0.171	0.157	0.171	0.184
95	0.402	0.399	0.399	0.399	0.402	0.399	0.399	0.399	0.402
100	0.556	0.539	0.539	0.539	0.556	0.539	0.539	0.539	0.556
105	1.668	1.603	1.566	1.603	1.668	1.603	1.566	1.603	1.668
110	2.708	2.671	2.678	2.671	2.708	2.671	2.678	2.671	2.708
115	3.977	3.933	3.936	3.933	3.977	3.933	3.936	3.933	3.977
120	6.709	6.679	6.672	6.679	6.709	6.679	6.672	6.679	6.709
125	11.655	11.887	11.860	11.887	11.655	11.887	11.860	11.887	11.655
130	14.677	15.070	15.295	15.070	14.677	15.070	15.295	15.070	14.677
135	14.527	15.319	15.933	15.319	14.527	15.319	15.933	15.319	14.527
140	33.052	31.596	31.541	31.596	33.052	31.596	31.541	31.596	33.052
145	137.132	136.722	137.186	136.722	137.132	136.722	137.186	136.722	137.132
150	326.352	333.106	335.378	333.106	326.352	333.106	335.378	333.106	326.352
155	508.740	526.952	527.310	526.952	508.740	526.952	527.310	526.952	508.740
160	808.402	836.969	851.274	836.969	808.402	836.969	851.274	836.969	808.402
165	1437.246	1455.979	1473.880	1455.979	1437.246	1455.979	1473.880	1455.979	1437.246
170	2220.652	2215.014	2226.304	2215.014	2220.652	2215.014	2226.304	2215.014	2220.652
175	2713.269	2709.776	2711.202	2709.776	2713.269	2709.776	2711.202	2709.776	2713.269
180	2856.352	2856.352	2856.352	2856.352	2856.352	2856.352	2856.352	2856.352	2856.352

COEFFICIENTS OF UTILIZATION



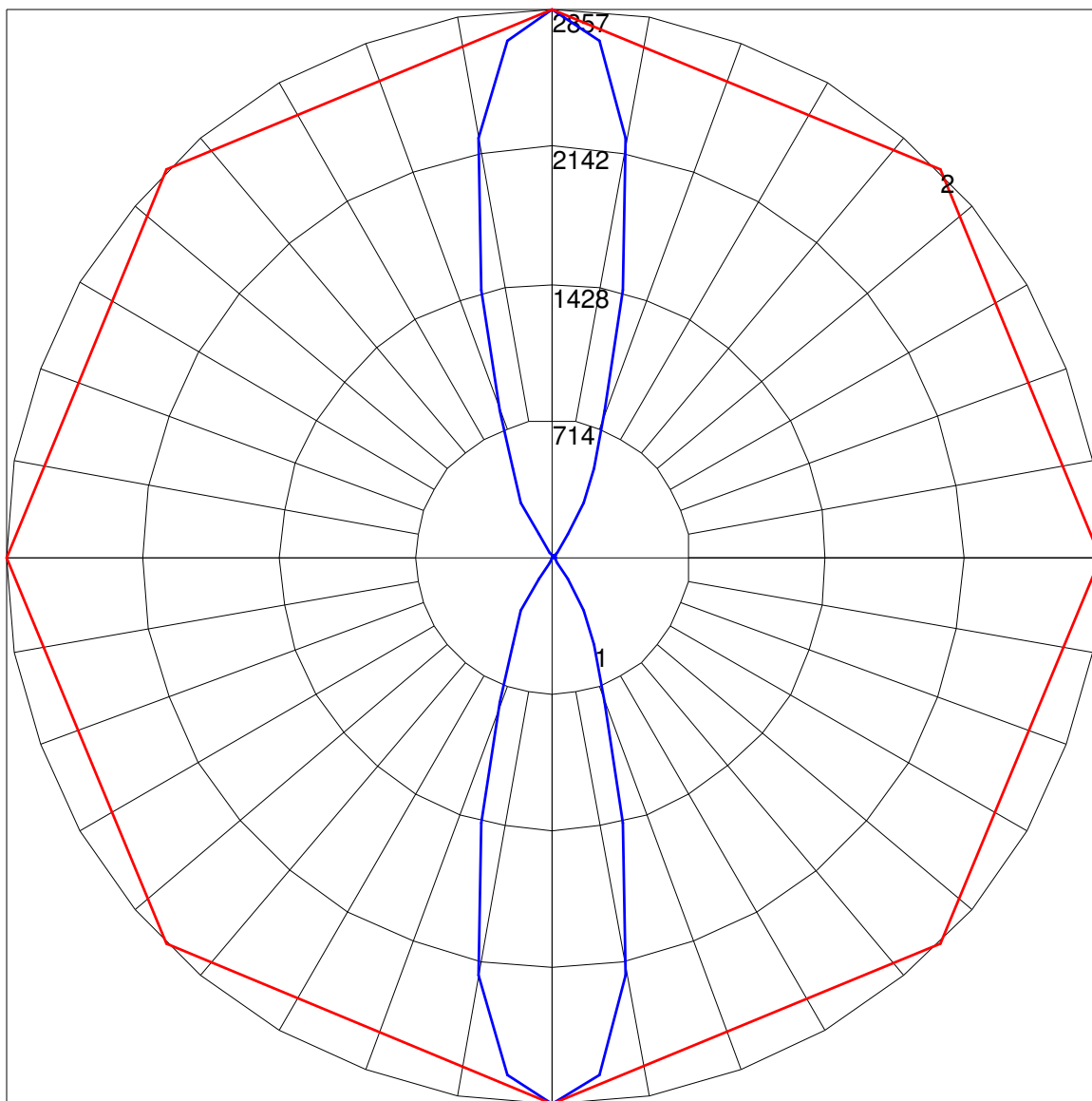
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	514.3	25.0
Downward House Side	514.3	25.0
Downward Total	1028.6	50.0
Upward Street Side	514.3	25.0
Upward House Side	514.3	25.0
Upward Total	1028.6	50.0
Total Flux	2057.2	100.0

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POLAR GRAPH



Maximum Candela = 2856.639 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

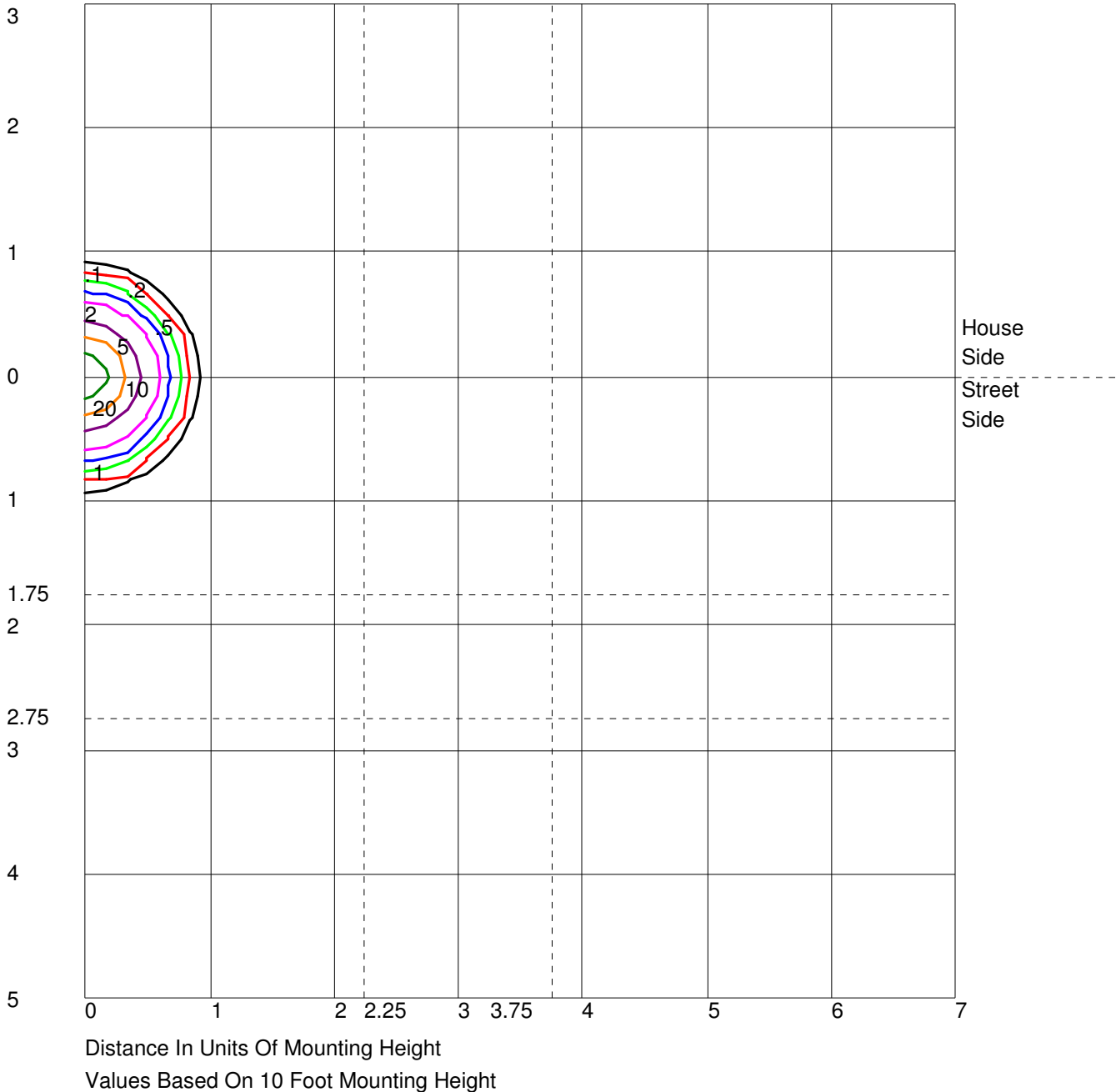


PHOTO LUMENS

