

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-950U-L10-950D-XXX-DIM-UNV-S-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-G2-S_(V13)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC.
[MORE] CARTHAGE, MO. 64836
[LUMCAT] W4CRDI-xx-L10-950U-L10-950D-xxx-DIM-UNV-S-xx
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT LED
[MORE] CYLINDER W/SPOT DISTRIBUTION
[LAMPCAT] BL VERO COB
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2183
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4741.485
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4741.485
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.097 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.261 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-950U-L10-950D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	493.9	N.A.	22.6
FM - Front-Medium (30-60)	50.2	N.A.	2.3
FH - Front-High (60-80)	1.4	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	493.9	N.A.	22.6
BM - Back-Medium (30-60)	50.2	N.A.	2.3
BH - Back-High (60-80)	1.4	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	1091.1	N.A.	50.0
Total	2182.5	N.A.	100.0
BUG Rating	B1-U5-G0		

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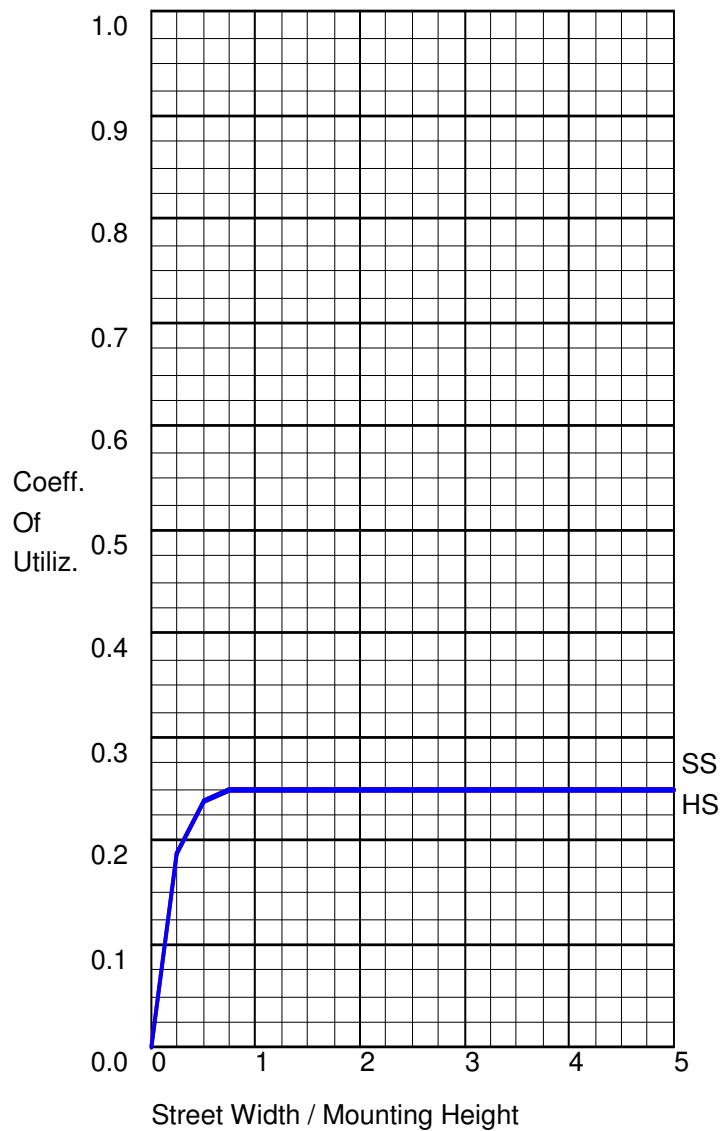
CANDELA TABULATION

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	4741.485	4741.485	4741.485	4741.485	4741.485	4741.485	4741.485	4741.485	4741.485
5	4209.338	4204.276	4220.167	4204.276	4209.338	4204.276	4220.167	4204.276	4209.338
10	2615.255	2659.284	2656.437	2659.284	2615.255	2659.284	2656.437	2659.284	2615.255
15	1310.123	1358.686	1350.911	1358.686	1310.123	1358.686	1350.911	1358.686	1310.123
20	722.319	743.373	742.115	743.373	722.319	743.373	742.115	743.373	722.319
25	480.638	485.705	479.922	485.705	480.638	485.705	479.922	485.705	480.638
30	299.702	298.502	299.121	298.502	299.702	298.502	299.121	298.502	299.702
35	114.976	117.782	127.598	117.782	114.976	117.782	127.598	117.782	114.976
40	25.885	28.760	31.848	28.760	25.885	28.760	31.848	28.760	25.885
45	8.836	9.973	10.769	9.973	8.836	9.973	10.769	9.973	8.836
50	5.390	5.911	5.988	5.911	5.390	5.911	5.988	5.911	5.390
55	3.884	4.148	3.929	4.148	3.884	4.148	3.929	4.148	3.884
60	2.942	3.032	2.803	3.032	2.942	3.032	2.803	3.032	2.942
65	2.083	2.135	1.937	2.135	2.083	2.135	1.937	2.135	2.083
70	1.349	1.398	1.200	1.398	1.349	1.398	1.200	1.398	1.349
75	0.727	0.741	0.581	0.741	0.727	0.741	0.581	0.741	0.727
80	0.261	0.257	0.247	0.257	0.261	0.257	0.247	0.257	0.261
85	0.188	0.191	0.177	0.191	0.188	0.191	0.177	0.191	0.188
90	0.097	0.090	0.083	0.090	0.097	0.090	0.083	0.090	0.097
95	0.188	0.191	0.177	0.191	0.188	0.191	0.177	0.191	0.188
100	0.261	0.257	0.247	0.257	0.261	0.257	0.247	0.257	0.261
105	0.727	0.741	0.581	0.741	0.727	0.741	0.581	0.741	0.727
110	1.349	1.398	1.200	1.398	1.349	1.398	1.200	1.398	1.349
115	2.083	2.135	1.937	2.135	2.083	2.135	1.937	2.135	2.083
120	2.942	3.032	2.803	3.032	2.942	3.032	2.803	3.032	2.942
125	3.884	4.148	3.929	4.148	3.884	4.148	3.929	4.148	3.884
130	5.390	5.911	5.988	5.911	5.390	5.911	5.988	5.911	5.390
135	8.836	9.973	10.769	9.973	8.836	9.973	10.769	9.973	8.836
140	25.885	28.760	31.848	28.760	25.885	28.760	31.848	28.760	25.885
145	114.976	117.782	127.598	117.782	114.976	117.782	127.598	117.782	114.976
150	299.702	298.502	299.121	298.502	299.702	298.502	299.121	298.502	299.702
155	480.638	485.705	479.922	485.705	480.638	485.705	479.922	485.705	480.638
160	722.319	743.373	742.115	743.373	722.319	743.373	742.115	743.373	722.319
165	1310.123	1358.686	1350.911	1358.686	1310.123	1358.686	1350.911	1358.686	1310.123
170	2615.255	2659.284	2656.437	2659.284	2615.255	2659.284	2656.437	2659.284	2615.255
175	4209.338	4204.276	4220.167	4204.276	4209.338	4204.276	4220.167	4204.276	4209.338
180	4741.252	4741.252	4741.252	4741.252	4741.252	4741.252	4741.252	4741.252	4741.252

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COEFFICIENTS OF UTILIZATION



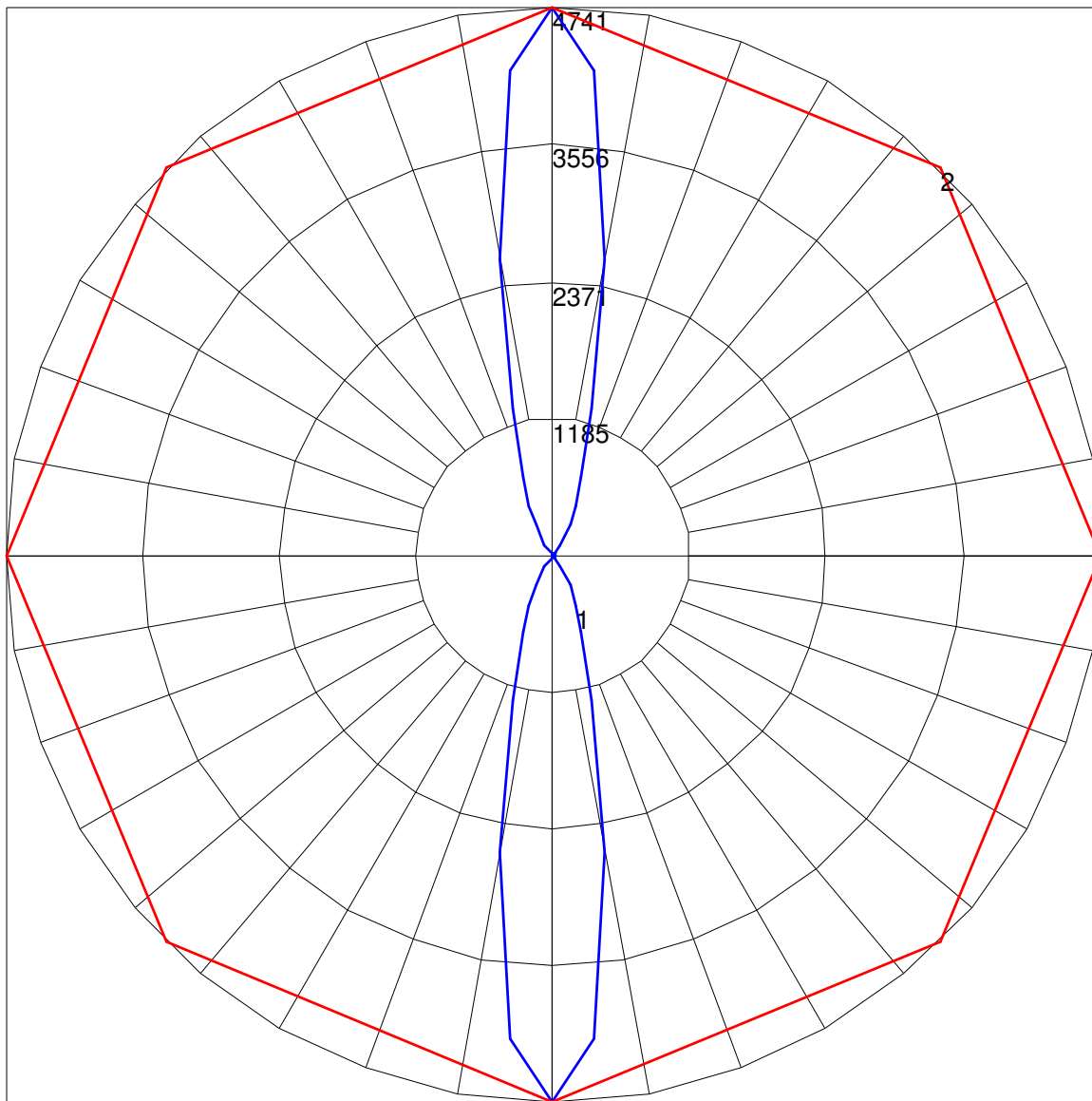
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	545.6	25.0
Downward House Side	545.6	25.0
Downward Total	1091.2	50.0
Upward Street Side	545.6	25.0
Upward House Side	545.6	25.0
Upward Total	1091.2	50.0
Total Flux	2182.4	100.0

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POLAR GRAPH



Maximum Candela = 4741.85 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

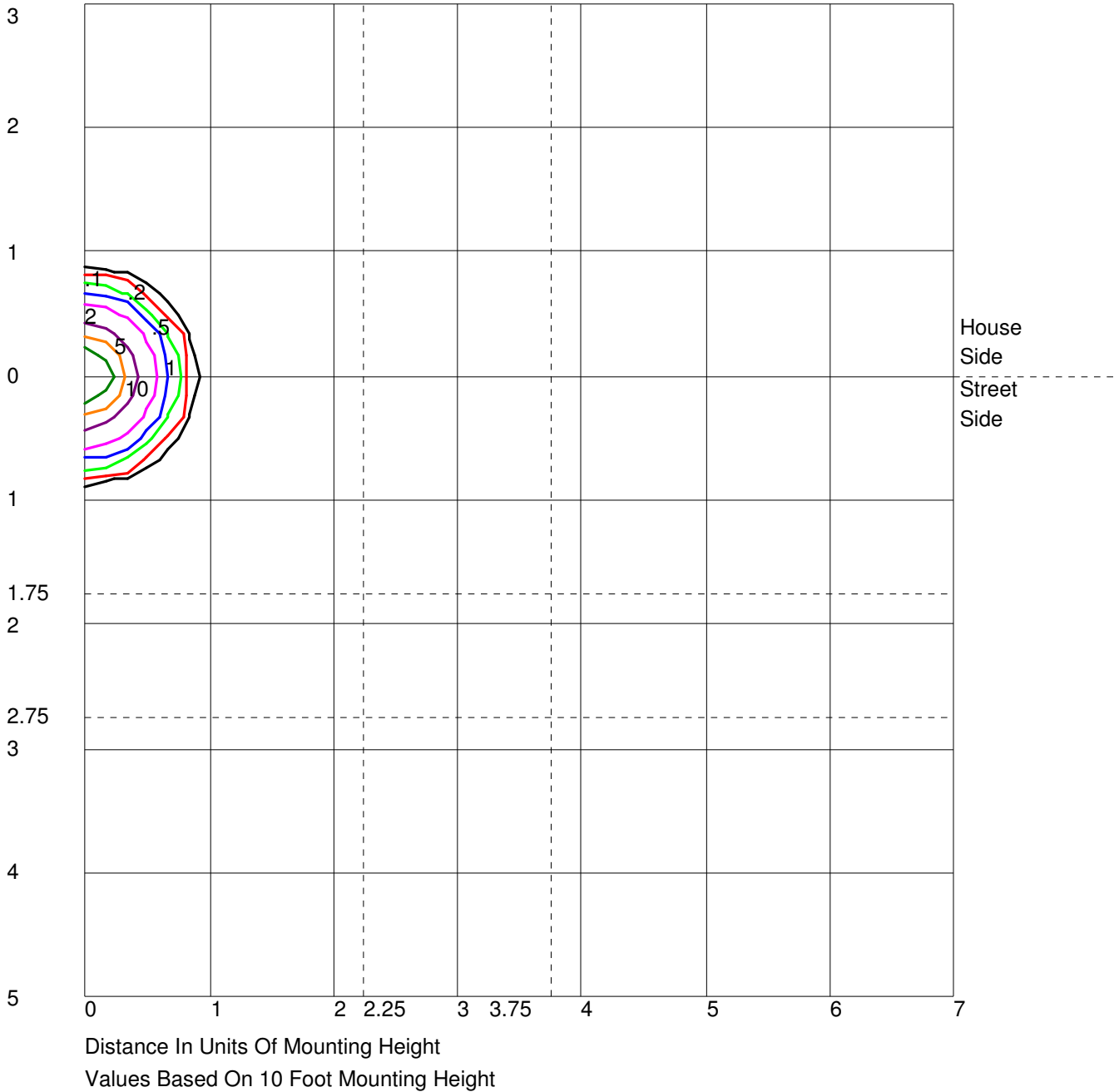


PHOTO LUMENS

