

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-950U-L10-950D-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-L10-950U-L10-950D-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	2079
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2887.355
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2887.355
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.186 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.562 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	454.8	N.A.	21.9
FM - Front-Medium (30-60)	61.8	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)	454.8	N.A.	21.9
BM - Back-Medium (30-60)	61.8	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)	1039.2	N.A.	50.0
Total	2079.2	N.A.	100.0
BUG Rating	B1-U5-G0		

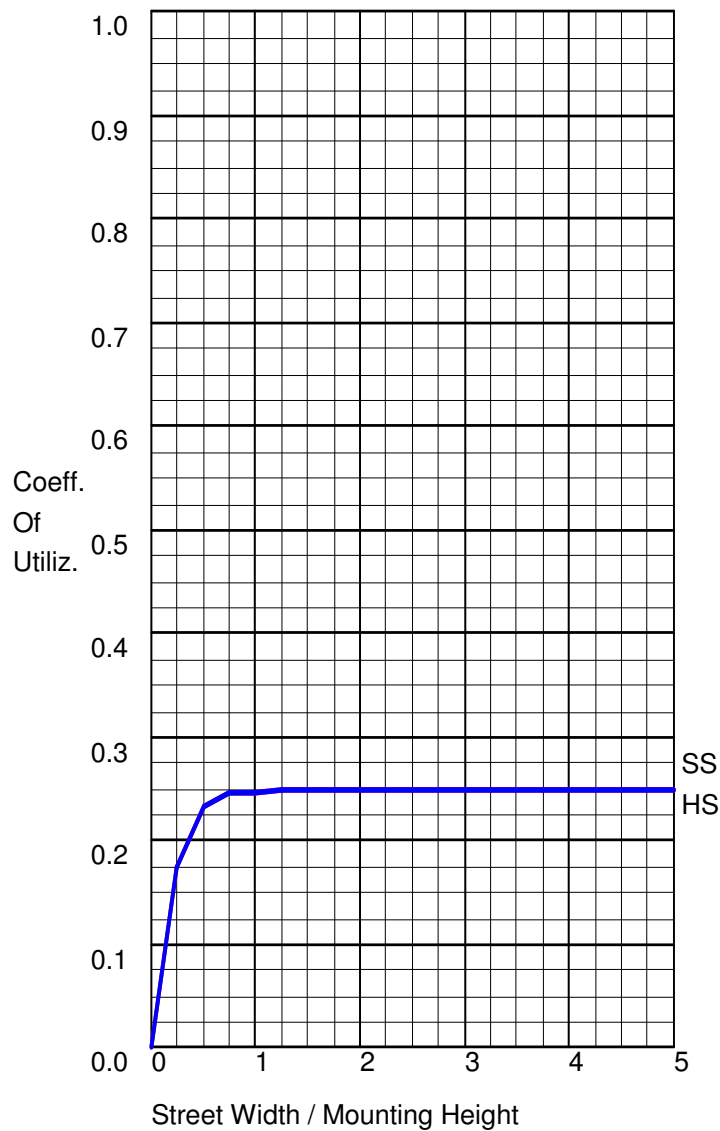
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## CANDELA TABULATION

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	2887.355	2887.355	2887.355	2887.355	2887.355	2887.355	2887.355	2887.355	2887.355
5	2742.443	2738.913	2740.354	2738.913	2742.443	2738.913	2740.354	2738.913	2742.443
10	2244.530	2238.831	2250.242	2238.831	2244.530	2238.831	2250.242	2238.831	2244.530
15	1452.700	1471.635	1489.728	1471.635	1452.700	1471.635	1489.728	1471.635	1452.700
20	817.094	845.968	860.428	845.968	817.094	845.968	860.428	845.968	817.094
25	514.211	532.618	532.980	532.618	514.211	532.618	532.980	532.618	514.211
30	329.861	336.688	338.984	336.688	329.861	336.688	338.984	336.688	329.861
35	138.606	138.192	138.661	138.192	138.606	138.192	138.661	138.192	138.606
40	33.408	31.936	31.880	31.936	33.408	31.936	31.880	31.936	33.408
45	14.684	15.483	16.104	15.483	14.684	15.483	16.104	15.483	14.684
50	14.835	15.232	15.459	15.232	14.835	15.232	15.459	15.232	14.835
55	11.781	12.015	11.987	12.015	11.781	12.015	11.987	12.015	11.781
60	6.782	6.751	6.744	6.751	6.782	6.751	6.744	6.751	6.782
65	4.020	3.975	3.979	3.975	4.020	3.975	3.979	3.975	4.020
70	2.737	2.700	2.706	2.700	2.737	2.700	2.706	2.700	2.737
75	1.686	1.620	1.582	1.620	1.686	1.620	1.582	1.620	1.686
80	0.562	0.545	0.545	0.545	0.562	0.545	0.545	0.545	0.562
85	0.407	0.403	0.403	0.403	0.407	0.403	0.403	0.403	0.407
90	0.186	0.172	0.159	0.172	0.186	0.172	0.159	0.172	0.186
95	0.407	0.403	0.403	0.403	0.407	0.403	0.403	0.403	0.407
100	0.562	0.545	0.545	0.545	0.562	0.545	0.545	0.545	0.562
105	1.686	1.620	1.582	1.620	1.686	1.620	1.582	1.620	1.686
110	2.737	2.700	2.706	2.700	2.737	2.700	2.706	2.700	2.737
115	4.020	3.975	3.979	3.975	4.020	3.975	3.979	3.975	4.020
120	6.782	6.751	6.744	6.751	6.782	6.751	6.744	6.751	6.782
125	11.781	12.015	11.987	12.015	11.781	12.015	11.987	12.015	11.781
130	14.835	15.232	15.459	15.232	14.835	15.232	15.459	15.232	14.835
135	14.684	15.483	16.104	15.483	14.684	15.483	16.104	15.483	14.684
140	33.408	31.936	31.880	31.936	33.408	31.936	31.880	31.936	33.408
145	138.606	138.192	138.661	138.192	138.606	138.192	138.661	138.192	138.606
150	329.861	336.688	338.984	336.688	329.861	336.688	338.984	336.688	329.861
155	514.211	532.618	532.980	532.618	514.211	532.618	532.980	532.618	514.211
160	817.094	845.968	860.428	845.968	817.094	845.968	860.428	845.968	817.094
165	1452.700	1471.635	1489.728	1471.635	1452.700	1471.635	1489.728	1471.635	1452.700
170	2244.530	2238.831	2250.242	2238.831	2244.530	2238.831	2250.242	2238.831	2244.530
175	2742.443	2738.913	2740.354	2738.913	2742.443	2738.913	2740.354	2738.913	2742.443
180	2887.065	2887.065	2887.065	2887.065	2887.065	2887.065	2887.065	2887.065	2887.065

COEFFICIENTS OF UTILIZATION



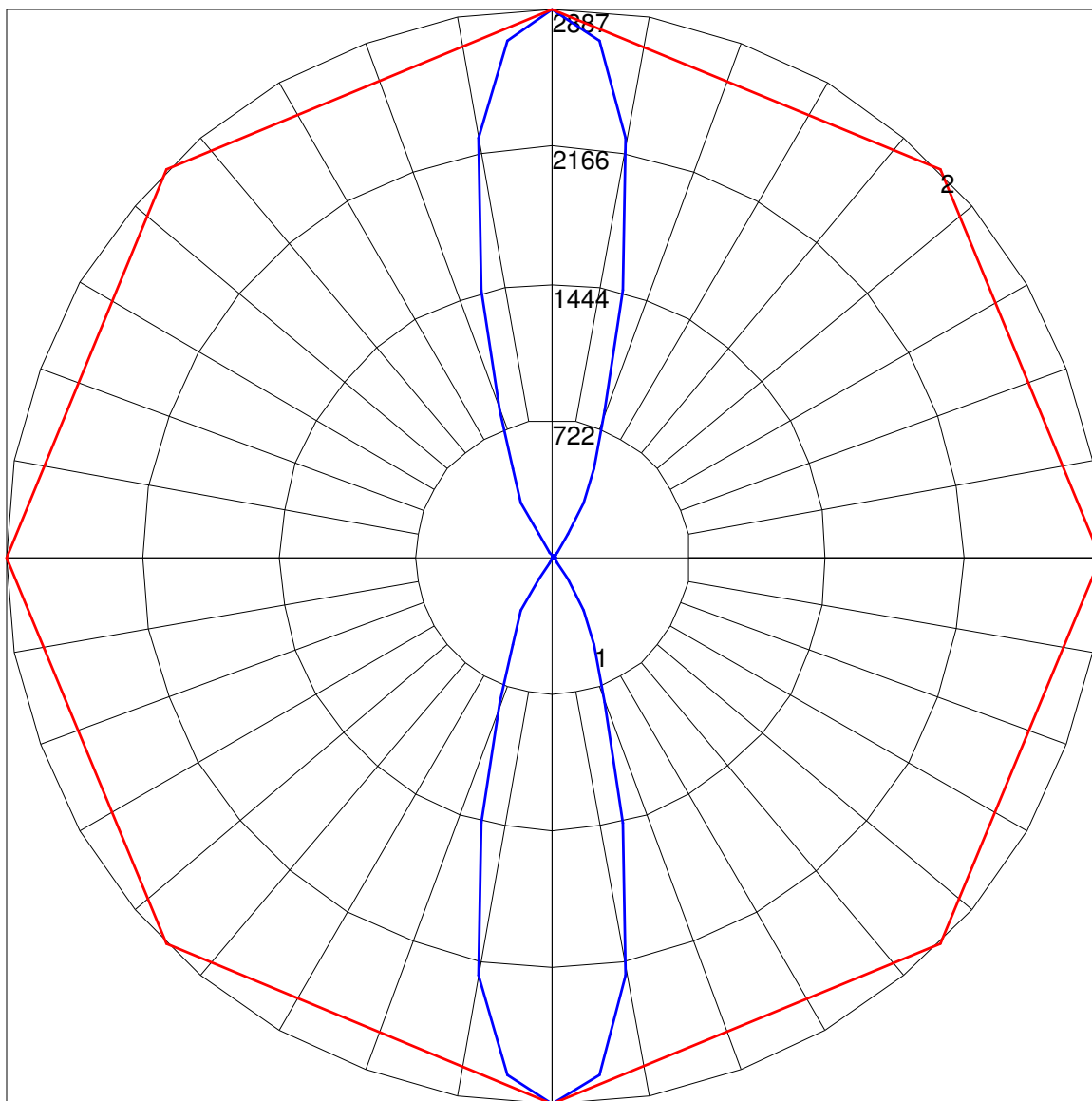
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	519.8	25.0
Downward House Side	519.8	25.0
Downward Total	1039.6	50.0
Upward Street Side	519.8	25.0
Upward House Side	519.8	25.0
Upward Total	1039.6	50.0
Total Flux	2079.2	100.0

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## POLAR GRAPH

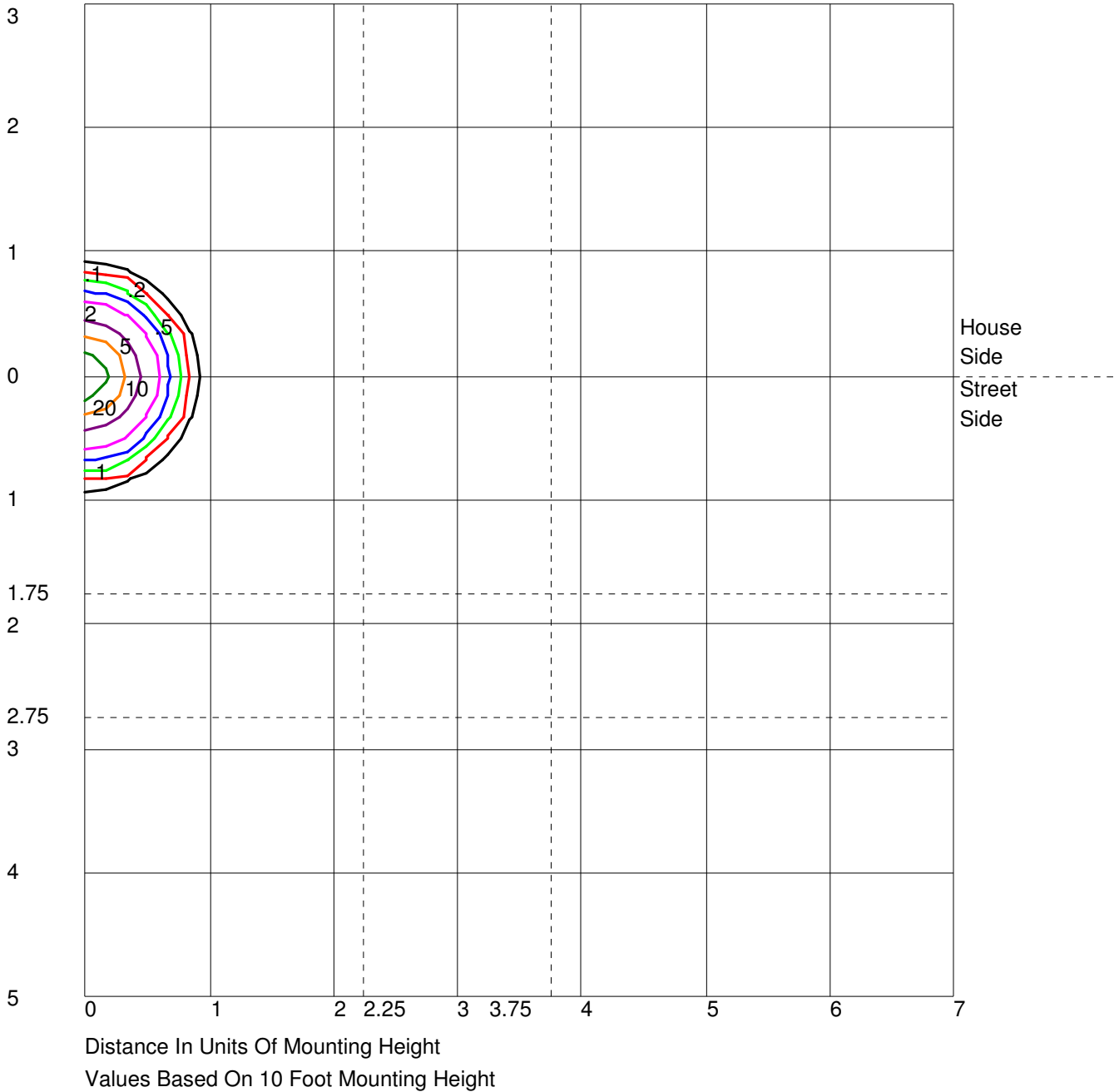


Maximum Candela = 2887.355 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

