

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-927U-L10-927D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-WIDE DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 08/01/2025
[ISSUEDATE] 2025-08-01
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CRDI-xx-L10-927U-L10-927D-xxx-DIM-UNV-W-xx
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] DIRECT/INDIRECT W/WIDE DISTRIBUTION
[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	1973
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1231.419
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1231.419
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.307 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.848 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	378.3	N.A.	19.2
FM - Front-Medium (30-60)	110.1	N.A.	5.6
FH - Front-High (60-80)	4.6	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	378.3	N.A.	19.2
BM - Back-Medium (30-60)	110.1	N.A.	5.6
BH - Back-High (60-80)	4.6	N.A.	0.2
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)	986.1	N.A.	50.0
Total	1973.3	N.A.	100.0
BUG Rating	B1-U4-G0		

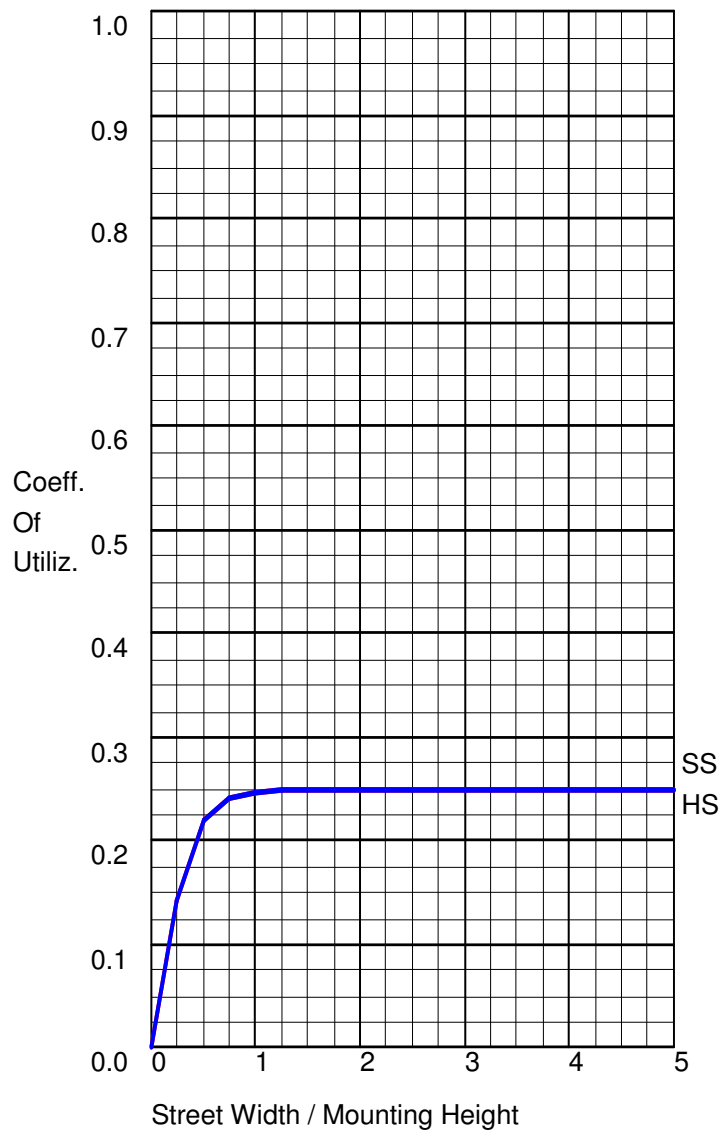
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CANDELA TABULATION

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	1231.419	1231.419	1231.419	1231.419	1231.419	1231.419	1231.419	1231.419	1231.419
5	1225.871	1224.266	1226.760	1224.266	1225.871	1224.266	1226.760	1224.266	1225.871
10	1195.937	1195.567	1194.415	1195.567	1195.937	1195.567	1194.415	1195.567	1195.937
15	1097.838	1095.508	1097.538	1095.508	1097.838	1095.508	1097.538	1095.508	1097.838
20	931.249	930.152	933.707	930.152	931.249	930.152	933.707	930.152	931.249
25	746.696	747.154	749.772	747.154	746.696	747.154	749.772	747.154	746.696
30	524.646	530.662	529.510	530.662	524.646	530.662	529.510	530.662	524.646
35	256.283	260.697	265.993	260.697	256.283	260.697	265.993	260.697	256.283
40	83.686	86.663	90.799	86.663	83.686	86.663	90.799	86.663	83.686
45	31.401	33.362	35.761	33.362	31.401	33.362	35.761	33.362	31.401
50	18.861	19.640	20.547	19.640	18.861	19.640	20.547	19.640	18.861
55	13.503	13.876	14.187	13.876	13.503	13.876	14.187	13.876	13.503
60	9.505	9.652	9.780	9.652	9.505	9.652	9.780	9.652	9.505
65	6.393	6.411	6.481	6.411	6.393	6.411	6.481	6.411	6.393
70	4.301	4.272	4.272	4.272	4.301	4.272	4.272	4.272	4.301
75	2.527	2.458	2.447	2.458	2.527	2.458	2.447	2.458	2.527
80	0.848	0.841	0.827	0.841	0.848	0.841	0.827	0.841	0.848
85	0.622	0.614	0.603	0.614	0.622	0.614	0.603	0.614	0.622
90	0.307	0.293	0.256	0.293	0.307	0.293	0.256	0.293	0.307
95	0.622	0.614	0.603	0.614	0.622	0.614	0.603	0.614	0.622
100	0.848	0.841	0.827	0.841	0.848	0.841	0.827	0.841	0.848
105	2.527	2.458	2.447	2.458	2.527	2.458	2.447	2.458	2.527
110	4.301	4.272	4.272	4.272	4.301	4.272	4.272	4.272	4.301
115	6.393	6.411	6.481	6.411	6.393	6.411	6.481	6.411	6.393
120	9.505	9.652	9.780	9.652	9.505	9.652	9.780	9.652	9.505
125	13.503	13.876	14.187	13.876	13.503	13.876	14.187	13.876	13.503
130	18.861	19.640	20.547	19.640	18.861	19.640	20.547	19.640	18.861
135	31.401	33.362	35.761	33.362	31.401	33.362	35.761	33.362	31.401
140	83.686	86.663	90.799	86.663	83.686	86.663	90.799	86.663	83.686
145	256.283	260.697	265.993	260.697	256.283	260.697	265.993	260.697	256.283
150	524.646	530.662	529.510	530.662	524.646	530.662	529.510	530.662	524.646
155	746.696	747.154	749.772	747.154	746.696	747.154	749.772	747.154	746.696
160	931.249	930.152	933.707	930.152	931.249	930.152	933.707	930.152	931.249
165	1097.838	1095.508	1097.538	1095.508	1097.838	1095.508	1097.538	1095.508	1097.838
170	1195.937	1195.567	1194.415	1195.567	1195.937	1195.567	1194.415	1195.567	1195.937
175	1225.871	1224.266	1226.760	1224.266	1225.871	1224.266	1226.760	1224.266	1225.871
180	1231.401	1231.401	1231.401	1231.401	1231.401	1231.401	1231.401	1231.401	1231.401

COEFFICIENTS OF UTILIZATION



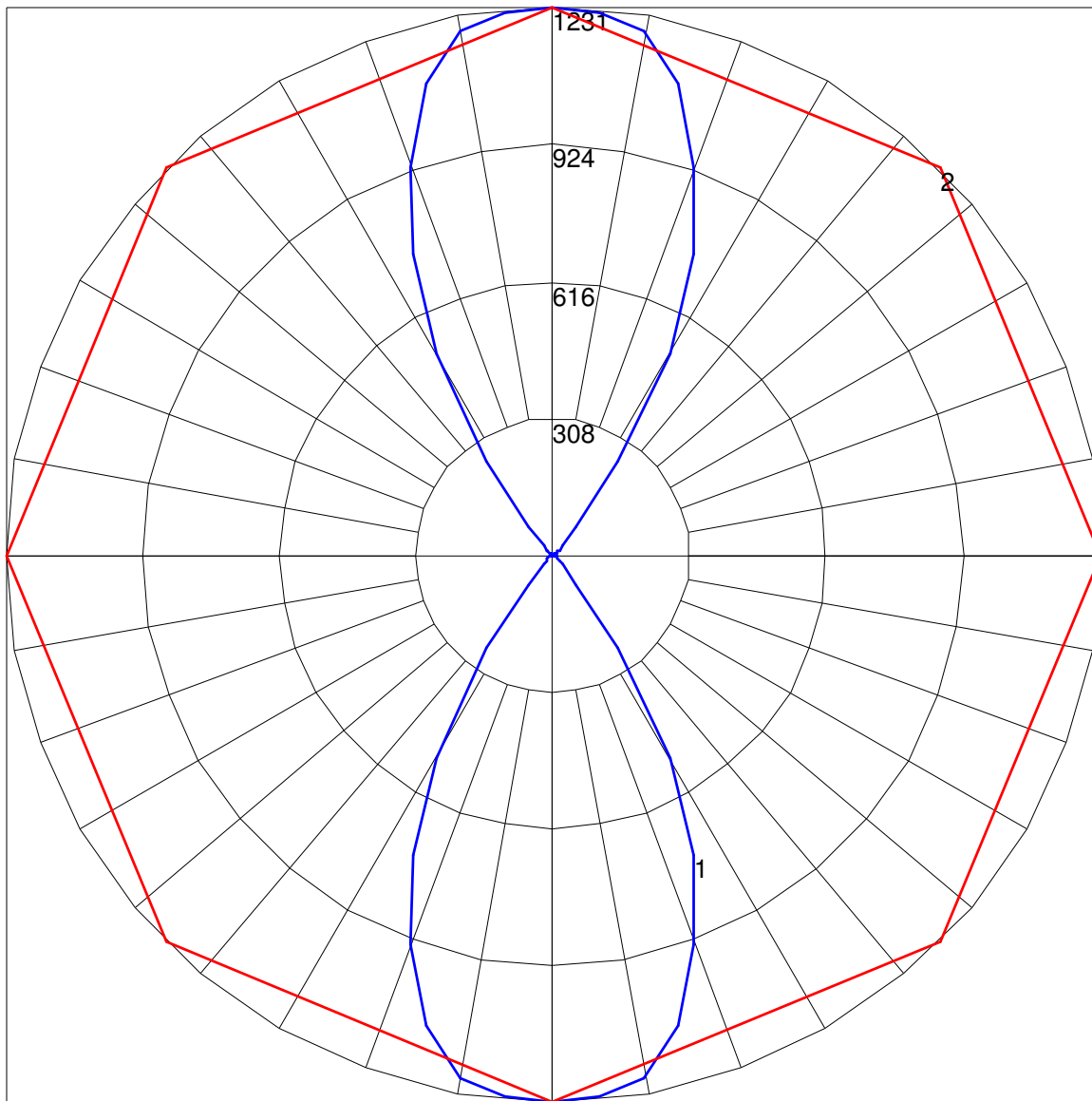
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	493.4	25.0
Downward House Side	493.4	25.0
Downward Total	986.8	50.0
Upward Street Side	493.4	25.0
Upward House Side	493.4	25.0
Upward Total	986.8	50.0
Total Flux	1973.6	100.0

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POLAR GRAPH



Maximum Candela = 1231.419 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.)

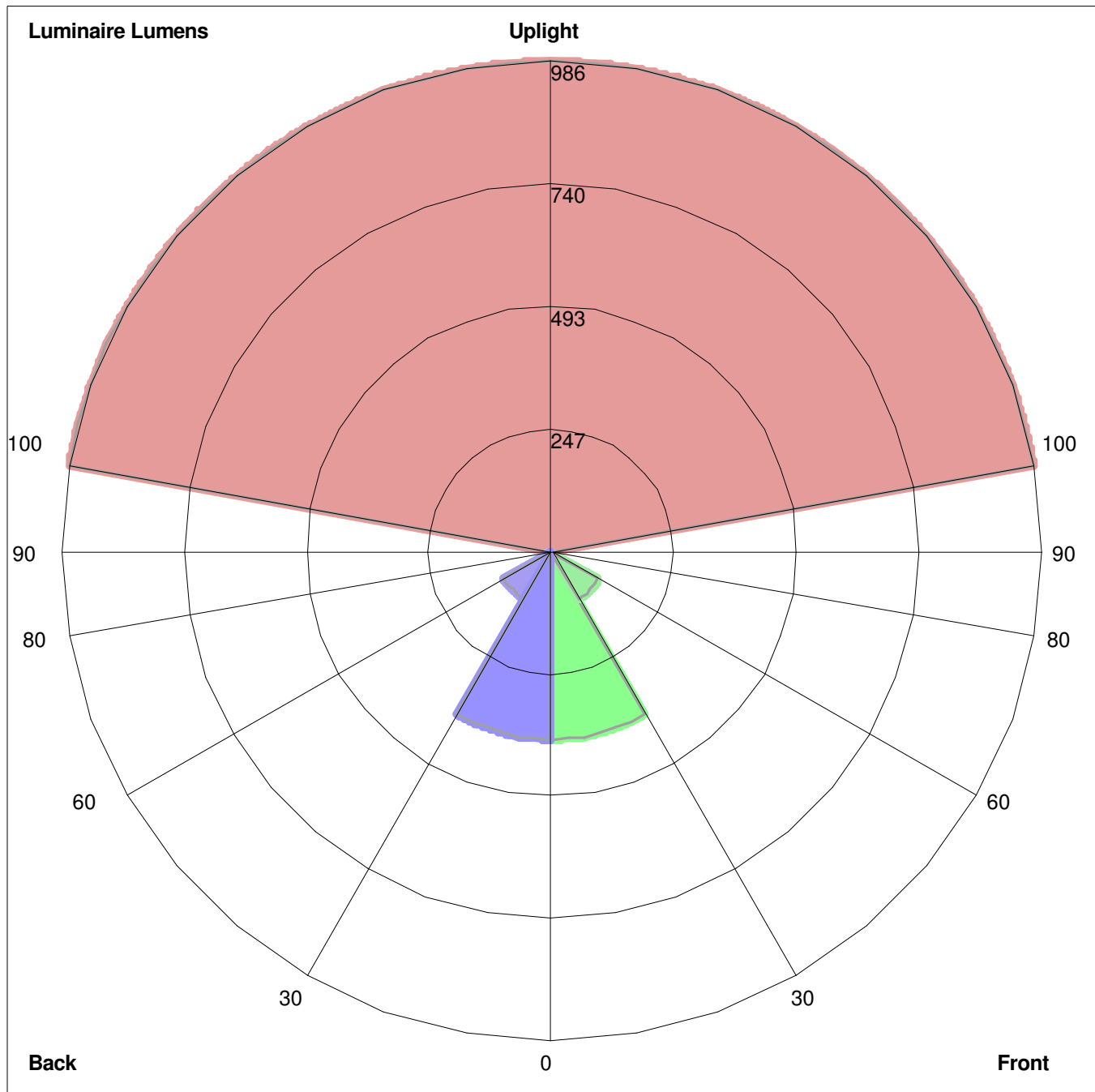
Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=378.3, Medium=110.1, High=4.6, Very High=0.3
Back: Low=378.3, Medium=110.1, High=4.6, Very High=0.3
Uplight: Low=0.6, High=986.1

BUG Rating : B1-U4-G0