

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-930U-L10-930D-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-L10-930U-L10-930D-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	2016
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1257.901
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1257.901
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.314 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.867 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-930U-L10-930D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	386.5	N.A.	19.2
FM - Front-Medium (30-60)	112.4	N.A.	5.6
FH - Front-High (60-80)	4.7	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	386.5	N.A.	19.2
BM - Back-Medium (30-60)	112.4	N.A.	5.6
BH - Back-High (60-80)	4.7	N.A.	0.2
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.7	N.A.	0.0
UH - Uplight-High (100-180)	1007.3	N.A.	50.0
Total	2015.8	N.A.	100.0
BUG Rating	B1-U5-G0		

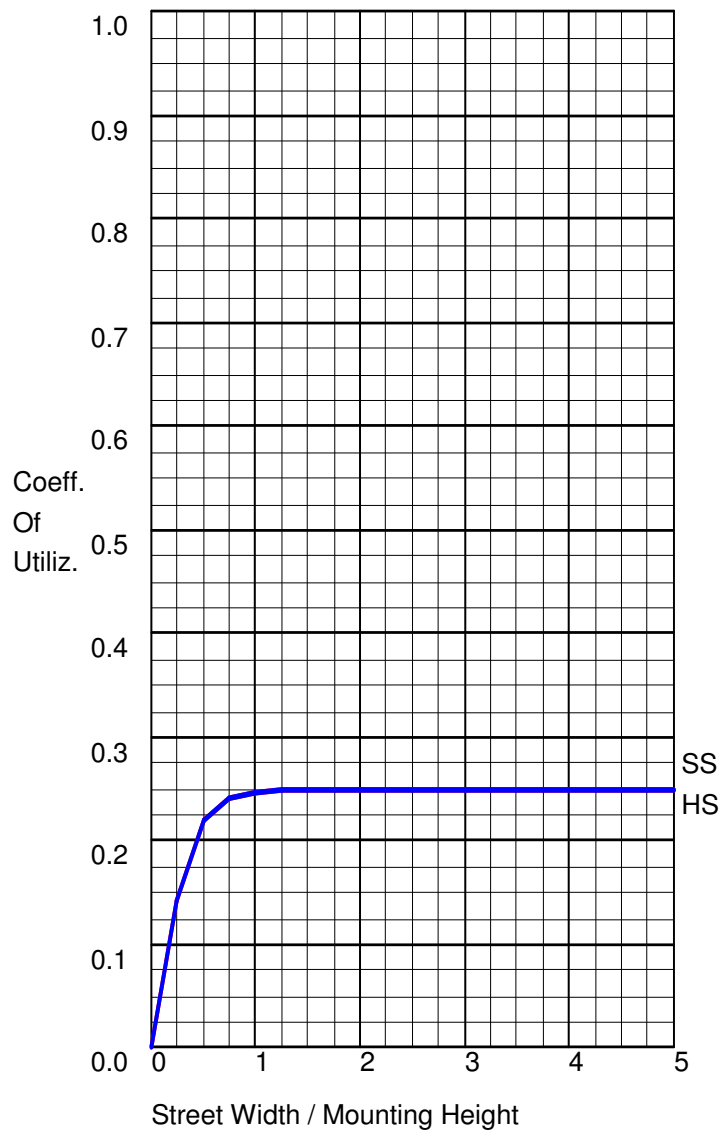
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CANDELA TABULATION

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	1257.901	1257.901	1257.901	1257.901	1257.901	1257.901	1257.901	1257.901	1257.901
5	1252.234	1250.594	1253.142	1250.594	1252.234	1250.594	1253.142	1250.594	1252.234
10	1221.655	1221.278	1220.101	1221.278	1221.655	1221.278	1220.101	1221.278	1221.655
15	1121.447	1119.067	1121.141	1119.067	1121.447	1119.067	1121.141	1119.067	1121.447
20	951.276	950.155	953.787	950.155	951.276	950.155	953.787	950.155	951.276
25	762.754	763.221	765.896	763.221	762.754	763.221	765.896	763.221	762.754
30	535.928	542.074	540.897	542.074	535.928	542.074	540.897	542.074	535.928
35	261.794	266.304	271.713	266.304	261.794	266.304	271.713	266.304	261.794
40	85.485	88.526	92.752	88.526	85.485	88.526	92.752	88.526	85.485
45	32.077	34.079	36.530	34.079	32.077	34.079	36.530	34.079	32.077
50	19.266	20.062	20.988	20.062	19.266	20.062	20.988	20.062	19.266
55	13.793	14.174	14.492	14.174	13.793	14.174	14.492	14.174	13.793
60	9.710	9.859	9.990	9.859	9.710	9.859	9.990	9.859	9.710
65	6.530	6.549	6.620	6.549	6.530	6.549	6.620	6.549	6.530
70	4.393	4.364	4.364	4.364	4.393	4.364	4.364	4.364	4.393
75	2.582	2.511	2.499	2.511	2.582	2.511	2.499	2.511	2.582
80	0.867	0.859	0.844	0.859	0.867	0.859	0.844	0.859	0.867
85	0.635	0.628	0.616	0.628	0.635	0.628	0.616	0.628	0.635
90	0.314	0.299	0.262	0.299	0.314	0.299	0.262	0.299	0.314
95	0.635	0.628	0.616	0.628	0.635	0.628	0.616	0.628	0.635
100	0.867	0.859	0.844	0.859	0.867	0.859	0.844	0.859	0.867
105	2.582	2.511	2.499	2.511	2.582	2.511	2.499	2.511	2.582
110	4.393	4.364	4.364	4.364	4.393	4.364	4.364	4.364	4.393
115	6.530	6.549	6.620	6.549	6.530	6.549	6.620	6.549	6.530
120	9.710	9.859	9.990	9.859	9.710	9.859	9.990	9.859	9.710
125	13.793	14.174	14.492	14.174	13.793	14.174	14.492	14.174	13.793
130	19.266	20.062	20.988	20.062	19.266	20.062	20.988	20.062	19.266
135	32.077	34.079	36.530	34.079	32.077	34.079	36.530	34.079	32.077
140	85.485	88.526	92.752	88.526	85.485	88.526	92.752	88.526	85.485
145	261.794	266.304	271.713	266.304	261.794	266.304	271.713	266.304	261.794
150	535.928	542.074	540.897	542.074	535.928	542.074	540.897	542.074	535.928
155	762.754	763.221	765.896	763.221	762.754	763.221	765.896	763.221	762.754
160	951.276	950.155	953.787	950.155	951.276	950.155	953.787	950.155	951.276
165	1121.447	1119.067	1121.141	1119.067	1121.447	1119.067	1121.141	1119.067	1121.447
170	1221.655	1221.278	1220.101	1221.278	1221.655	1221.278	1220.101	1221.278	1221.655
175	1252.234	1250.594	1253.142	1250.594	1252.234	1250.594	1253.142	1250.594	1252.234
180	1257.883	1257.883	1257.883	1257.883	1257.883	1257.883	1257.883	1257.883	1257.883

COEFFICIENTS OF UTILIZATION



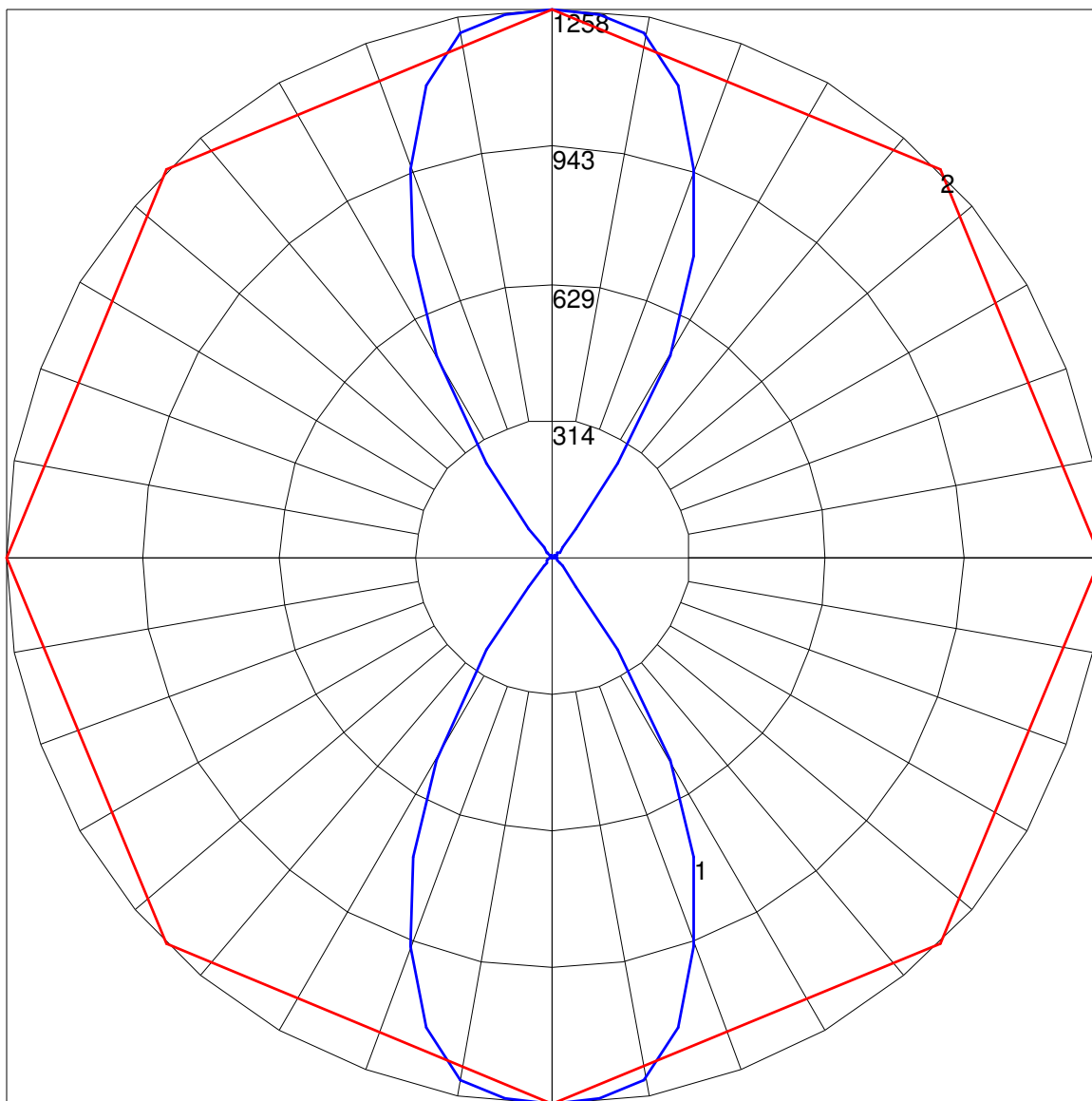
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	504.0	25.0
Downward House Side	504.0	25.0
Downward Total	1008.0	50.0
Upward Street Side	504.0	25.0
Upward House Side	504.0	25.0
Upward Total	1008.0	50.0
Total Flux	2016.0	100.0

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POLAR GRAPH



Maximum Candela = 1257.901 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.)

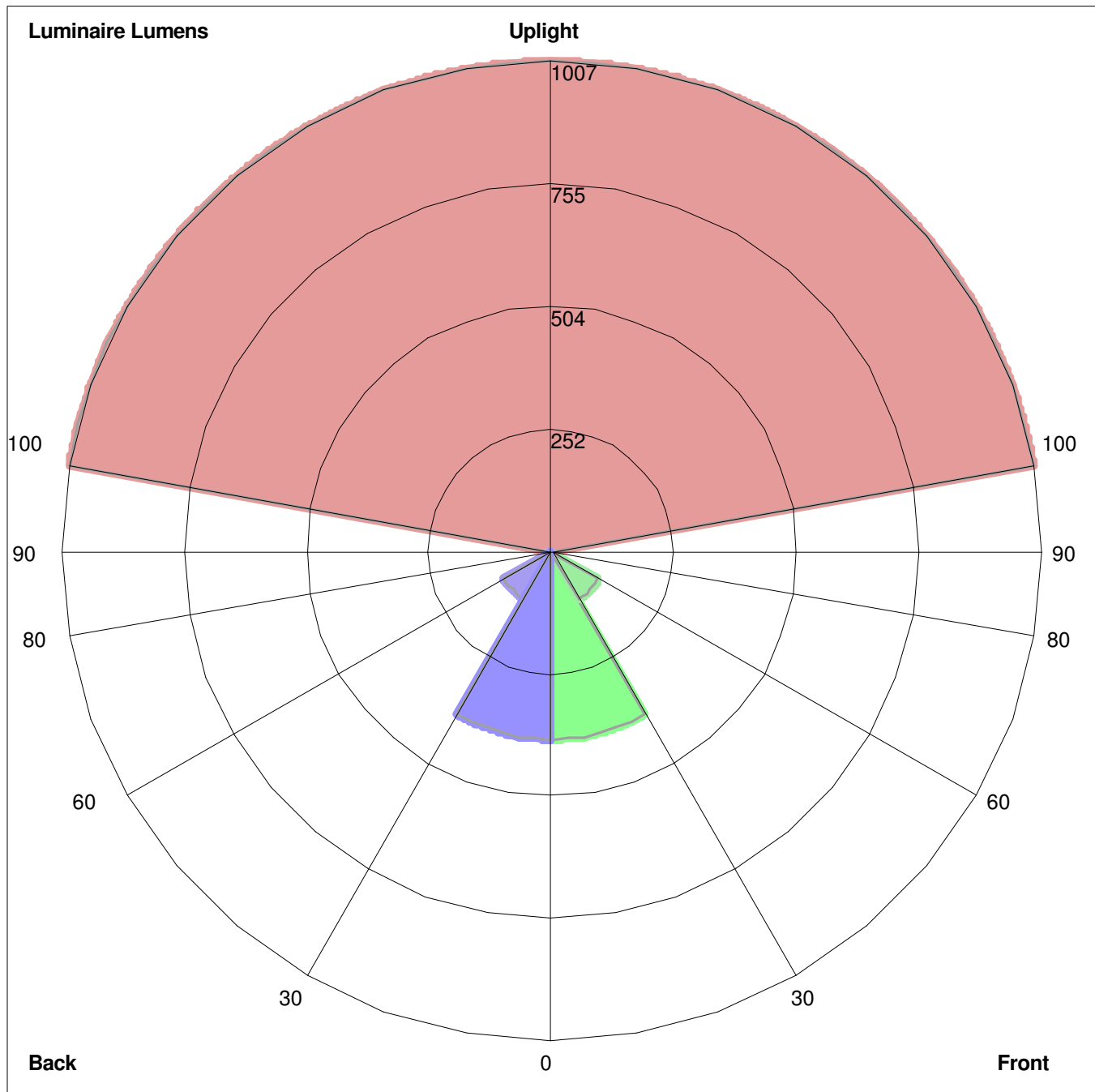
Distance In Units Of Mounting Height

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=386.5, Medium=112.4, High=4.7, Very High=0.3
Back: Low=386.5, Medium=112.4, High=4.7, Very High=0.3
Uplight: Low=0.7, High=1007.3

BUG Rating : B1-U5-G0