

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR_Angela-W_(V18)_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-06

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L20-827U-L20-827D-xxx-DIM-UNV-M-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] CYLINDER WITH MEDIUM DIST.

[LAMPCAT] BL VERO

[LAMP] LED

[OTHER] Absolute Photometry

[_CONVERT] Photometric web converted from original test data

[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3877
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4057.183
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4057.183
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.292 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.299 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	807.6	N.A.	20.8
FM - Front-Medium (30-60)	150.8	N.A.	3.9
FH - Front-High (60-80)	10.1	N.A.	0.3
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	807.6	N.A.	20.8
BM - Back-Medium (30-60)	150.8	N.A.	3.9
BH - Back-High (60-80)	10.1	N.A.	0.3
BVH - Back-Very High (80-90)	0.7	N.A.	0.0
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	1937.1	N.A.	50.0
Total	3876.8	N.A.	100.0
BUG Rating	B2-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	4057.183	4057.183	4057.183	4057.183	4057.183	4057.183	4057.183	4057.183	4057.183
5	4031.606	4005.705	3978.618	4005.705	4031.606	4005.705	3978.618	4005.705	4031.606
10	3515.829	3493.526	3462.428	3493.526	3515.829	3493.526	3462.428	3493.526	3515.829
15	2564.693	2581.336	2580.080	2581.336	2564.693	2581.336	2580.080	2581.336	2564.693
20	1688.346	1700.402	1708.327	1700.402	1688.346	1700.402	1708.327	1700.402	1688.346
25	1131.649	1134.980	1140.291	1134.980	1131.649	1134.980	1140.291	1134.980	1131.649
30	775.630	764.158	770.217	764.158	775.630	764.158	770.217	764.158	775.630
35	331.375	332.333	339.129	332.333	331.375	332.333	339.129	332.333	331.375
40	93.908	97.347	101.516	97.347	93.908	97.347	101.516	97.347	93.908
45	51.345	52.081	51.497	52.081	51.345	52.081	51.497	52.081	51.345
50	34.213	34.619	33.921	34.619	34.213	34.619	33.921	34.619	34.213
55	24.054	24.169	23.699	24.169	24.054	24.169	23.699	24.169	24.054
60	17.608	17.595	17.367	17.595	17.608	17.595	17.367	17.595	17.608
65	13.439	13.357	13.153	13.357	13.439	13.357	13.153	13.357	13.439
70	9.917	9.822	9.626	9.822	9.917	9.822	9.626	9.822	9.917
75	6.516	6.440	6.326	6.440	6.516	6.440	6.326	6.440	6.516
80	3.293	3.299	3.280	3.299	3.293	3.299	3.280	3.299	3.293
85	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641
90	0.241	0.279	0.292	0.279	0.241	0.279	0.292	0.279	0.241
95	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641	0.641
100	3.293	3.299	3.280	3.299	3.293	3.299	3.280	3.299	3.293
105	6.516	6.440	6.326	6.440	6.516	6.440	6.326	6.440	6.516
110	9.917	9.822	9.626	9.822	9.917	9.822	9.626	9.822	9.917
115	13.439	13.357	13.153	13.357	13.439	13.357	13.153	13.357	13.439
120	17.608	17.595	17.367	17.595	17.608	17.595	17.367	17.595	17.608
125	24.054	24.169	23.699	24.169	24.054	24.169	23.699	24.169	24.054
130	34.213	34.619	33.921	34.619	34.213	34.619	33.921	34.619	34.213
135	51.345	52.081	51.497	52.081	51.345	52.081	51.497	52.081	51.345
140	93.908	97.347	101.516	97.347	93.908	97.347	101.516	97.347	93.908
145	331.375	332.333	339.129	332.333	331.375	332.333	339.129	332.333	331.375
150	775.630	764.158	770.217	764.158	775.630	764.158	770.217	764.158	775.630
155	1131.649	1134.980	1140.291	1134.980	1131.649	1134.980	1140.291	1134.980	1131.649
160	1688.346	1700.402	1708.327	1700.402	1688.346	1700.402	1708.327	1700.402	1688.346
165	2564.693	2581.336	2580.080	2581.336	2564.693	2581.336	2580.080	2581.336	2564.693
170	3515.829	3493.526	3462.428	3493.526	3515.829	3493.526	3462.428	3493.526	3515.829
175	4031.606	4005.705	3978.618	4005.705	4031.606	4005.705	3978.618	4005.705	4031.606
180	4057.082	4057.082	4057.082	4057.082	4057.082	4057.082	4057.082	4057.082	4057.082

COEFFICIENTS OF UTILIZATION



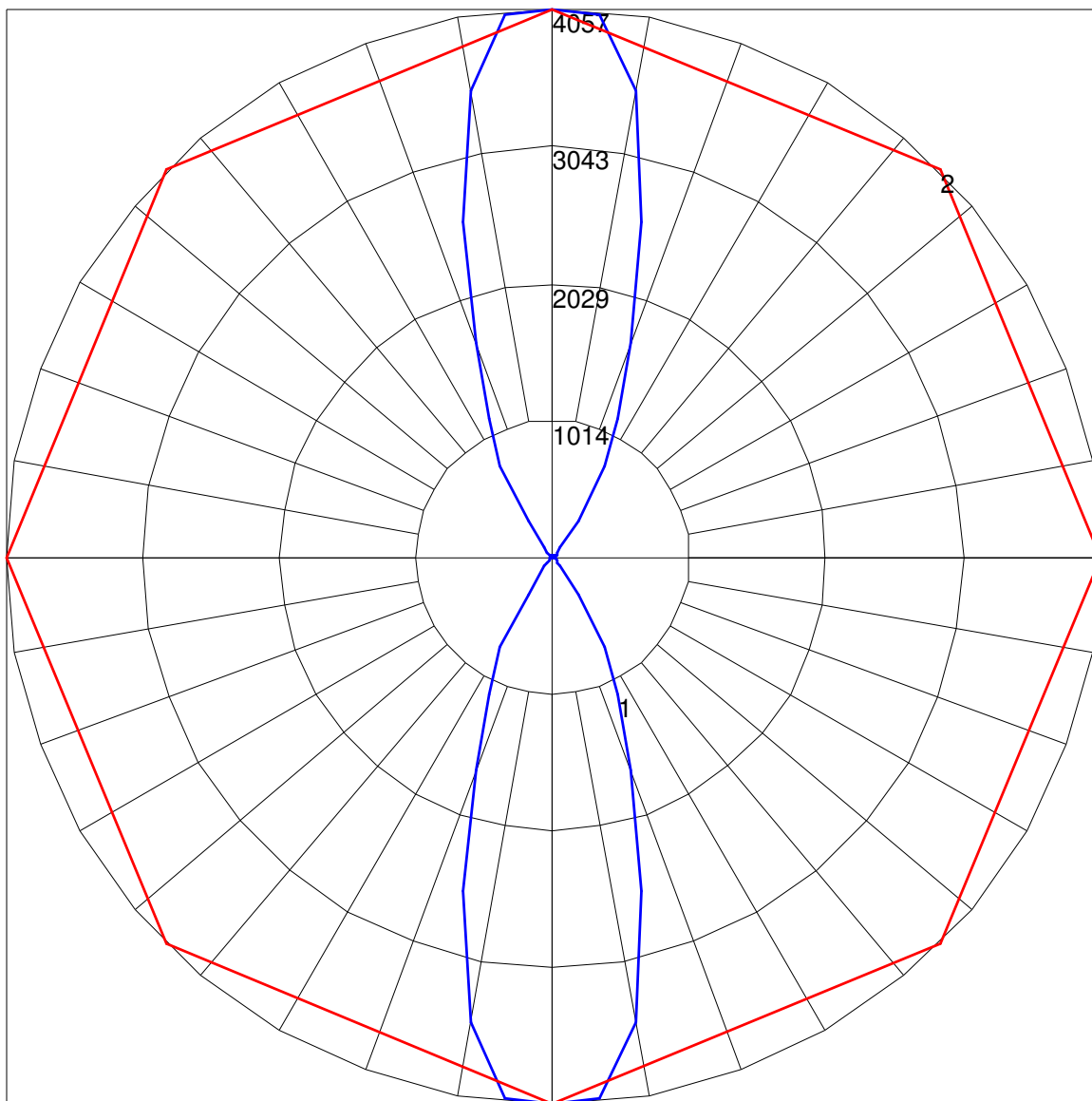
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	969.2	25.0
Downward House Side	969.2	25.0
Downward Total	1938.4	50.0
Upward Street Side	969.2	25.0
Upward House Side	969.2	25.0
Upward Total	1938.4	50.0
Total Flux	3876.8	100.0

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POLAR GRAPH



Maximum Candela = 4057.183 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.)

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Figure 1 is a contour plot illustrating the relationship between distance from a house and street side and the resulting values. The x-axis represents 'Distance In Units Of Mounting Height' (0 to 7), and the y-axis represents 'Values Based On 10 Foot Mounting Height' (0 to 5). The plot is divided into 'House Side' (top) and 'Street Side' (bottom) by a dashed line at y=0. Contour lines are labeled with values 1, 2, 5, 10, and 20, indicating that values increase as distance from the house decreases.

PHOTO LUMENS

