

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-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-L20-830U-L20-830D-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	3956
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4139.983
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4139.983
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.298 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.367 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	824.1	N.A.	20.8
FM - Front-Medium (30-60)	153.9	N.A.	3.9
FH - Front-High (60-80)	10.3	N.A.	0.3
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	824.1	N.A.	20.8
BM - Back-Medium (30-60)	153.9	N.A.	3.9
BH - Back-High (60-80)	10.3	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)	1976.6	N.A.	50.0
Total	3955.9	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	4139.983	4139.983	4139.983	4139.983	4139.983	4139.983	4139.983	4139.983	4139.983
5	4113.884	4087.455	4059.814	4087.455	4113.884	4087.455	4059.814	4087.455	4113.884
10	3587.581	3564.822	3533.090	3564.822	3587.581	3564.822	3533.090	3564.822	3587.581
15	2617.033	2634.016	2632.734	2634.016	2617.033	2634.016	2632.734	2634.016	2617.033
20	1722.802	1735.104	1743.191	1735.104	1722.802	1735.104	1743.191	1735.104	1722.802
25	1154.744	1158.143	1163.563	1158.143	1154.744	1158.143	1163.563	1158.143	1154.744
30	791.459	779.753	785.936	779.753	791.459	779.753	785.936	779.753	791.459
35	338.138	339.115	346.050	339.115	338.138	339.115	346.050	339.115	338.138
40	95.825	99.334	103.588	99.334	95.825	99.334	103.588	99.334	95.825
45	52.393	53.144	52.548	53.144	52.393	53.144	52.548	53.144	52.393
50	34.911	35.326	34.613	35.326	34.911	35.326	34.613	35.326	34.911
55	24.545	24.662	24.183	24.662	24.545	24.662	24.183	24.662	24.545
60	17.967	17.954	17.721	17.954	17.967	17.954	17.721	17.954	17.967
65	13.713	13.629	13.422	13.629	13.713	13.629	13.422	13.629	13.713
70	10.120	10.023	9.822	10.023	10.120	10.023	9.822	10.023	10.120
75	6.649	6.572	6.455	6.572	6.649	6.572	6.455	6.572	6.649
80	3.360	3.367	3.347	3.367	3.360	3.367	3.347	3.367	3.360
85	0.654	0.654	0.654	0.654	0.654	0.654	0.654	0.654	0.654
90	0.246	0.285	0.298	0.285	0.246	0.285	0.298	0.285	0.246
95	0.654	0.654	0.654	0.654	0.654	0.654	0.654	0.654	0.654
100	3.360	3.367	3.347	3.367	3.360	3.367	3.347	3.367	3.360
105	6.649	6.572	6.455	6.572	6.649	6.572	6.455	6.572	6.649
110	10.120	10.023	9.822	10.023	10.120	10.023	9.822	10.023	10.120
115	13.713	13.629	13.422	13.629	13.713	13.629	13.422	13.629	13.713
120	17.967	17.954	17.721	17.954	17.967	17.954	17.721	17.954	17.967
125	24.545	24.662	24.183	24.662	24.545	24.662	24.183	24.662	24.545
130	34.911	35.326	34.613	35.326	34.911	35.326	34.613	35.326	34.911
135	52.393	53.144	52.548	53.144	52.393	53.144	52.548	53.144	52.393
140	95.825	99.334	103.588	99.334	95.825	99.334	103.588	99.334	95.825
145	338.138	339.115	346.050	339.115	338.138	339.115	346.050	339.115	338.138
150	791.459	779.753	785.936	779.753	791.459	779.753	785.936	779.753	791.459
155	1154.744	1158.143	1163.563	1158.143	1154.744	1158.143	1163.563	1158.143	1154.744
160	1722.802	1735.104	1743.191	1735.104	1722.802	1735.104	1743.191	1735.104	1722.802
165	2617.033	2634.016	2632.734	2634.016	2617.033	2634.016	2632.734	2634.016	2617.033
170	3587.581	3564.822	3533.090	3564.822	3587.581	3564.822	3533.090	3564.822	3587.581
175	4113.884	4087.455	4059.814	4087.455	4113.884	4087.455	4059.814	4087.455	4113.884
180	4139.880	4139.880	4139.880	4139.880	4139.880	4139.880	4139.880	4139.880	4139.880

COEFFICIENTS OF UTILIZATION



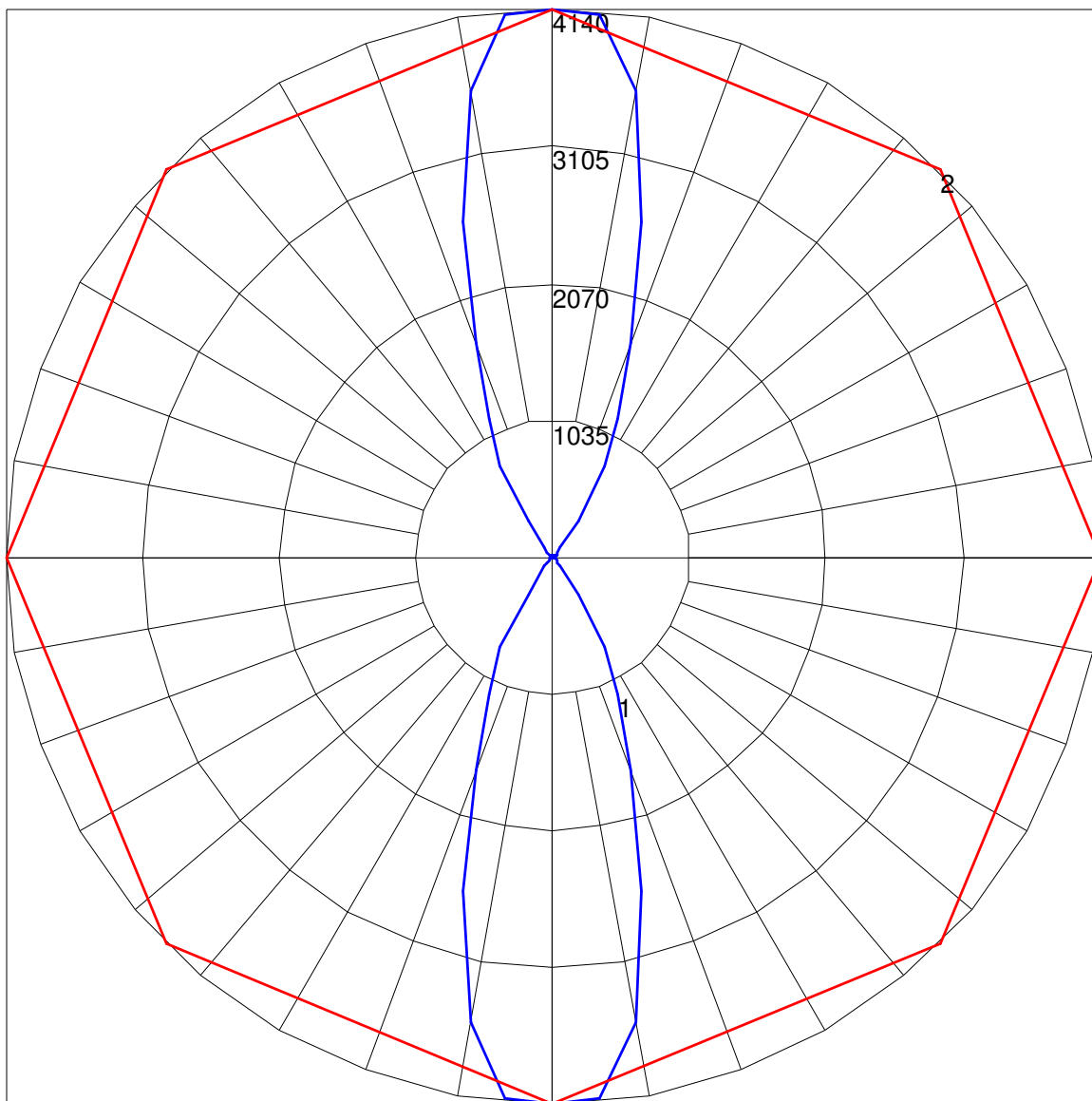
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	989.0	25.0
Downward House Side	989.0	25.0
Downward Total	1978.0	50.0
Upward Street Side	989.0	25.0
Upward House Side	989.0	25.0
Upward Total	1978.0	50.0
Total Flux	3956.0	100.0

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POLAR GRAPH



Maximum Candela = 4139.983 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

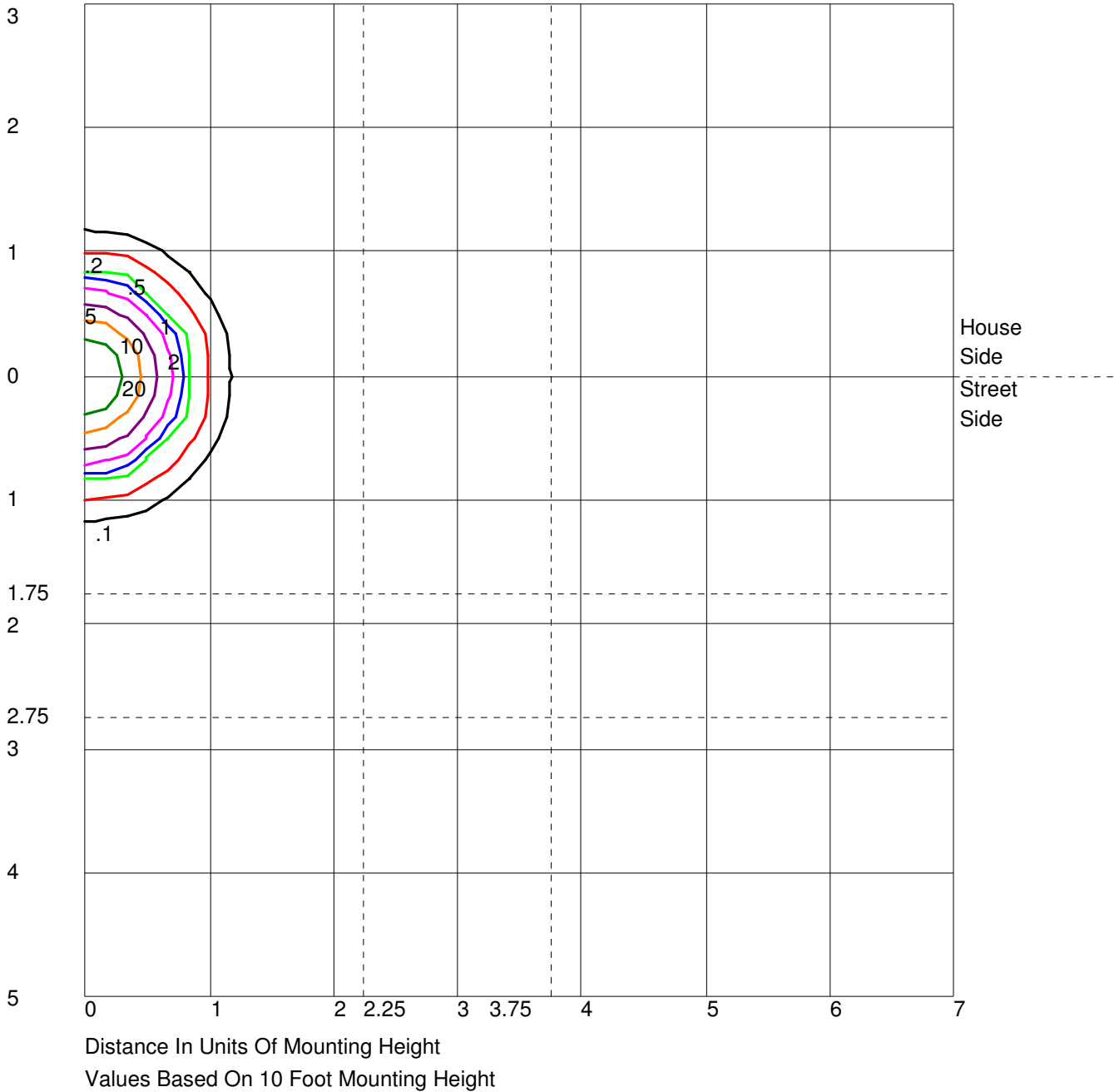


PHOTO LUMENS

