

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-927U-L20-927D-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-L20-927U-L20-927D-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	3679
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3850.184
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3850.184
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.277 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.131 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-927U-L20-927D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	766.4	N.A.	20.8
FM - Front-Medium (30-60)	143.1	N.A.	3.9
FH - Front-High (60-80)	9.6	N.A.	0.3
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	766.4	N.A.	20.8
BM - Back-Medium (30-60)	143.1	N.A.	3.9
BH - Back-High (60-80)	9.6	N.A.	0.3
BVH - Back-Very High (80-90)	0.6	N.A.	0.0
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	1838.2	N.A.	50.0
Total	3678.9	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	3850.184	3850.184	3850.184	3850.184	3850.184	3850.184	3850.184	3850.184	3850.184
5	3825.912	3801.332	3775.627	3801.332	3825.912	3801.332	3775.627	3801.332	3825.912
10	3336.450	3315.284	3285.774	3315.284	3336.450	3315.284	3285.774	3315.284	3336.450
15	2433.841	2449.635	2448.443	2449.635	2433.841	2449.635	2448.443	2449.635	2433.841
20	1602.206	1613.647	1621.168	1613.647	1602.206	1613.647	1621.168	1613.647	1602.206
25	1073.912	1077.073	1082.113	1077.073	1073.912	1077.073	1082.113	1077.073	1073.912
30	736.057	725.170	730.921	725.170	736.057	725.170	730.921	725.170	736.057
35	314.468	315.377	321.826	315.377	314.468	315.377	321.826	315.377	314.468
40	89.117	92.380	96.336	92.380	89.117	92.380	96.336	92.380	89.117
45	48.725	49.424	48.870	49.424	48.725	49.424	48.870	49.424	48.725
50	32.467	32.853	32.190	32.853	32.467	32.853	32.190	32.853	32.467
55	22.827	22.936	22.490	22.936	22.827	22.936	22.490	22.936	22.827
60	16.709	16.697	16.481	16.697	16.709	16.697	16.481	16.697	16.709
65	12.753	12.675	12.482	12.675	12.753	12.675	12.482	12.675	12.753
70	9.411	9.321	9.134	9.321	9.411	9.321	9.134	9.321	9.411
75	6.184	6.112	6.003	6.112	6.184	6.112	6.003	6.112	6.184
80	3.125	3.131	3.113	3.131	3.125	3.131	3.113	3.131	3.125
85	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608
90	0.229	0.265	0.277	0.265	0.229	0.265	0.277	0.265	0.229
95	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608	0.608
100	3.125	3.131	3.113	3.131	3.125	3.131	3.113	3.131	3.125
105	6.184	6.112	6.003	6.112	6.184	6.112	6.003	6.112	6.184
110	9.411	9.321	9.134	9.321	9.411	9.321	9.134	9.321	9.411
115	12.753	12.675	12.482	12.675	12.753	12.675	12.482	12.675	12.753
120	16.709	16.697	16.481	16.697	16.709	16.697	16.481	16.697	16.709
125	22.827	22.936	22.490	22.936	22.827	22.936	22.490	22.936	22.827
130	32.467	32.853	32.190	32.853	32.467	32.853	32.190	32.853	32.467
135	48.725	49.424	48.870	49.424	48.725	49.424	48.870	49.424	48.725
140	89.117	92.380	96.336	92.380	89.117	92.380	96.336	92.380	89.117
145	314.468	315.377	321.826	315.377	314.468	315.377	321.826	315.377	314.468
150	736.057	725.170	730.921	725.170	736.057	725.170	730.921	725.170	736.057
155	1073.912	1077.073	1082.113	1077.073	1073.912	1077.073	1082.113	1077.073	1073.912
160	1602.206	1613.647	1621.168	1613.647	1602.206	1613.647	1621.168	1613.647	1602.206
165	2433.841	2449.635	2448.443	2449.635	2433.841	2449.635	2448.443	2449.635	2433.841
170	3336.450	3315.284	3285.774	3315.284	3336.450	3315.284	3285.774	3315.284	3336.450
175	3825.912	3801.332	3775.627	3801.332	3825.912	3801.332	3775.627	3801.332	3825.912
180	3850.088	3850.088	3850.088	3850.088	3850.088	3850.088	3850.088	3850.088	3850.088

COEFFICIENTS OF UTILIZATION



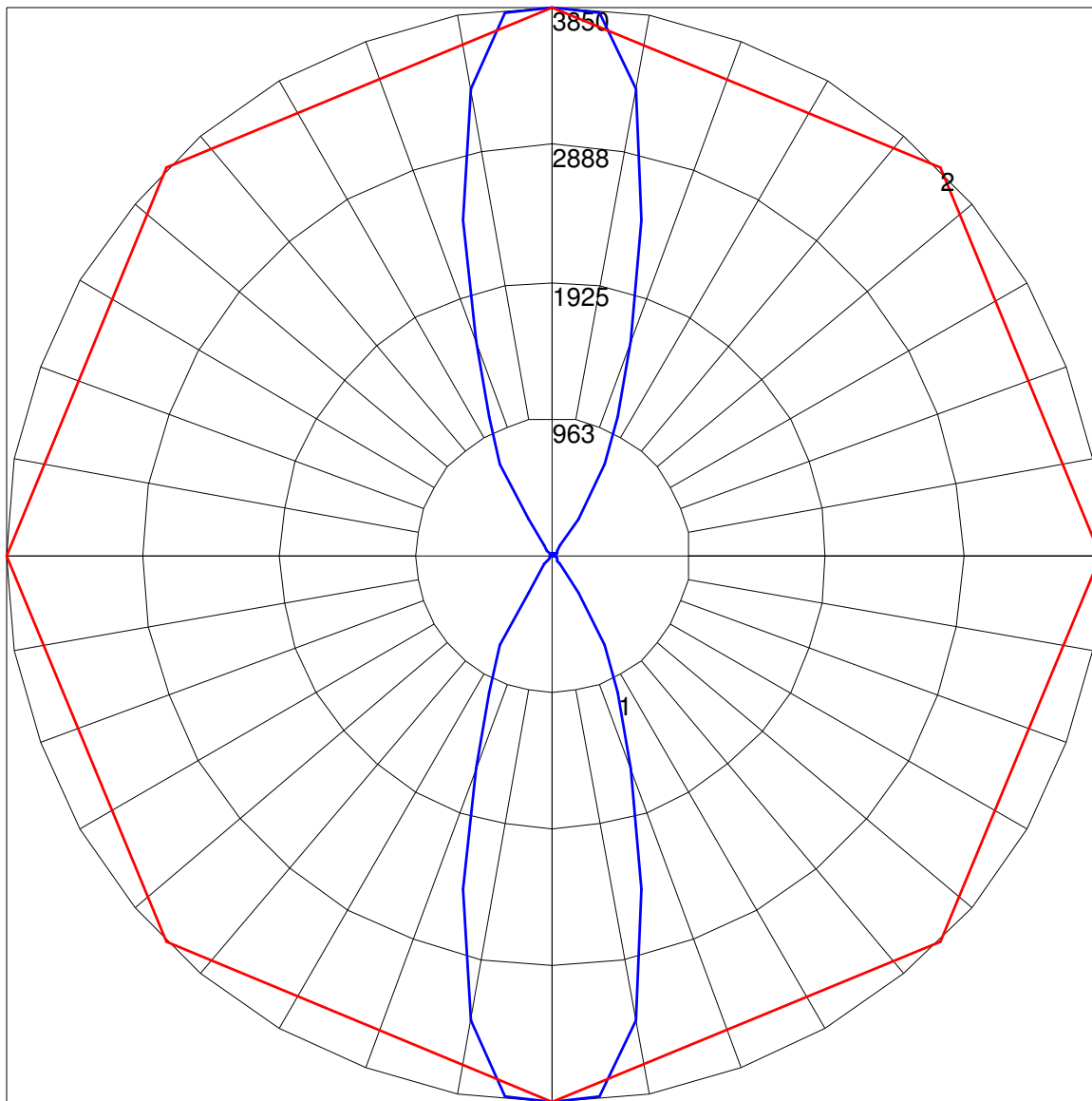
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	919.7	25.0
Downward House Side	919.7	25.0
Downward Total	1839.4	50.0
Upward Street Side	919.7	25.0
Upward House Side	919.7	25.0
Upward Total	1839.4	50.0
Total Flux	3678.8	100.0

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POLAR GRAPH



Maximum Candela = 3850.184 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

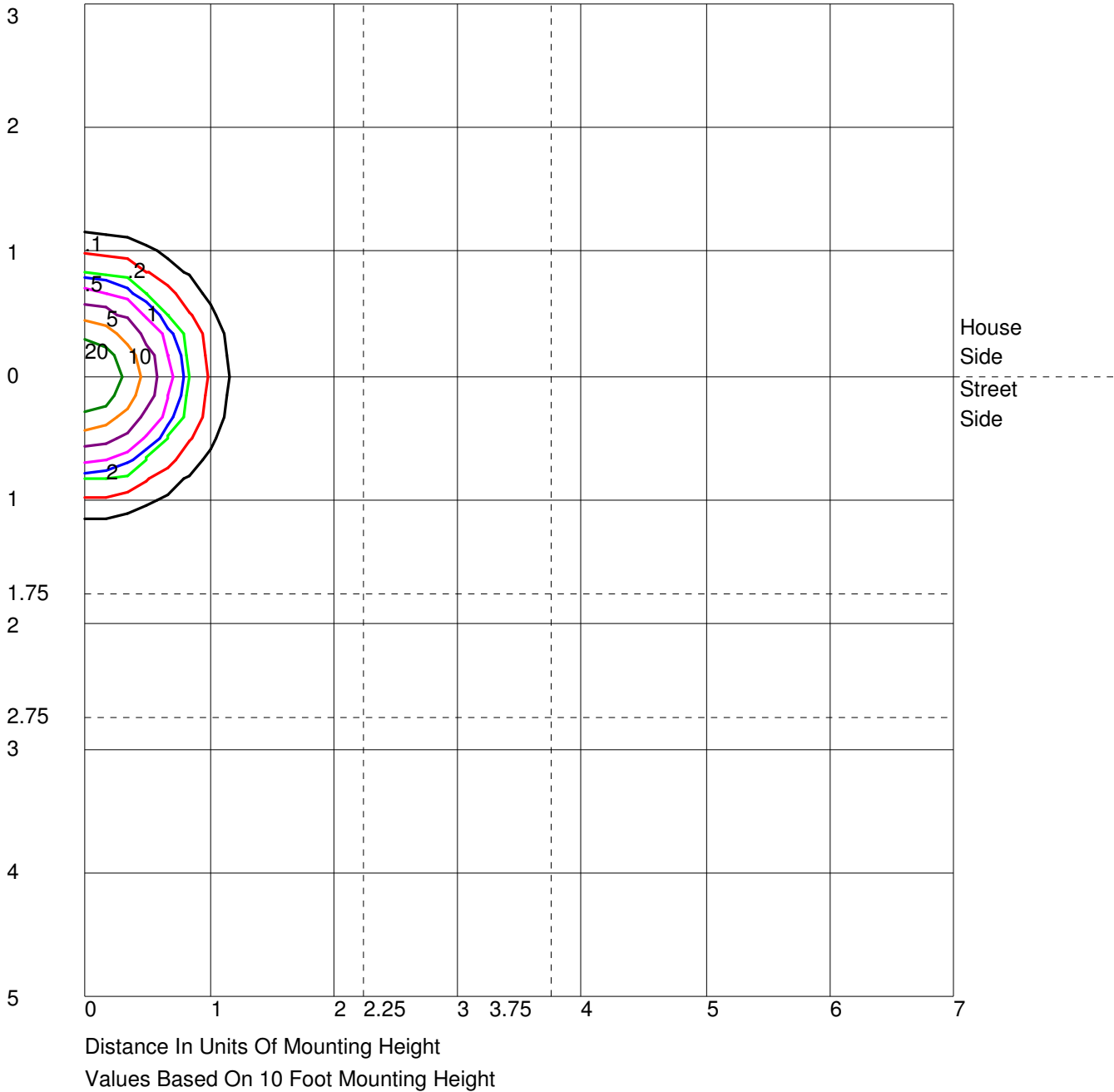


PHOTO LUMENS

