

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-850U-L20-850D-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-L20-850U-L20-850D-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	3916
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4098.583
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4098.583
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.295 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.333 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-850U-L20-850D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	815.9	N.A.	20.8
FM - Front-Medium (30-60)	152.4	N.A.	3.9
FH - Front-High (60-80)	10.2	N.A.	0.3
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	815.9	N.A.	20.8
BM - Back-Medium (30-60)	152.4	N.A.	3.9
BH - Back-High (60-80)	10.2	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)	1956.8	N.A.	50.0
Total	3916.5	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	4098.583	4098.583	4098.583	4098.583	4098.583	4098.583	4098.583	4098.583	4098.583
5	4072.745	4046.580	4019.216	4046.580	4072.745	4046.580	4019.216	4046.580	4072.745
10	3551.705	3529.174	3497.759	3529.174	3551.705	3529.174	3497.759	3529.174	3551.705
15	2590.863	2607.676	2606.407	2607.676	2590.863	2607.676	2606.407	2607.676	2590.863
20	1705.574	1717.753	1725.759	1717.753	1705.574	1717.753	1725.759	1717.753	1705.574
25	1143.197	1146.562	1151.927	1146.562	1143.197	1146.562	1151.927	1146.562	1143.197
30	783.544	771.955	778.077	771.955	783.544	771.955	778.077	771.955	783.544
35	334.756	335.724	342.589	335.724	334.756	335.724	342.589	335.724	334.756
40	94.866	98.340	102.552	98.340	94.866	98.340	102.552	98.340	94.866
45	51.869	52.612	52.023	52.612	51.869	52.612	52.023	52.612	51.869
50	34.562	34.972	34.267	34.972	34.562	34.972	34.267	34.972	34.562
55	24.300	24.415	23.941	24.415	24.300	24.415	23.941	24.415	24.300
60	17.787	17.775	17.544	17.775	17.787	17.775	17.544	17.775	17.787
65	13.576	13.493	13.288	13.493	13.576	13.493	13.288	13.493	13.576
70	10.019	9.923	9.724	9.923	10.019	9.923	9.724	9.923	10.019
75	6.583	6.506	6.391	6.506	6.583	6.506	6.391	6.506	6.583
80	3.327	3.333	3.314	3.333	3.327	3.333	3.314	3.333	3.327
85	0.647	0.647	0.647	0.647	0.647	0.647	0.647	0.647	0.647
90	0.244	0.282	0.295	0.282	0.244	0.282	0.295	0.282	0.244
95	0.647	0.647	0.647	0.647	0.647	0.647	0.647	0.647	0.647
100	3.327	3.333	3.314	3.333	3.327	3.333	3.314	3.333	3.327
105	6.583	6.506	6.391	6.506	6.583	6.506	6.391	6.506	6.583
110	10.019	9.923	9.724	9.923	10.019	9.923	9.724	9.923	10.019
115	13.576	13.493	13.288	13.493	13.576	13.493	13.288	13.493	13.576
120	17.787	17.775	17.544	17.775	17.787	17.775	17.544	17.775	17.787
125	24.300	24.415	23.941	24.415	24.300	24.415	23.941	24.415	24.300
130	34.562	34.972	34.267	34.972	34.562	34.972	34.267	34.972	34.562
135	51.869	52.612	52.023	52.612	51.869	52.612	52.023	52.612	51.869
140	94.866	98.340	102.552	98.340	94.866	98.340	102.552	98.340	94.866
145	334.756	335.724	342.589	335.724	334.756	335.724	342.589	335.724	334.756
150	783.544	771.955	778.077	771.955	783.544	771.955	778.077	771.955	783.544
155	1143.197	1146.562	1151.927	1146.562	1143.197	1146.562	1151.927	1146.562	1143.197
160	1705.574	1717.753	1725.759	1717.753	1705.574	1717.753	1725.759	1717.753	1705.574
165	2590.863	2607.676	2606.407	2607.676	2590.863	2607.676	2606.407	2607.676	2590.863
170	3551.705	3529.174	3497.759	3529.174	3551.705	3529.174	3497.759	3529.174	3551.705
175	4072.745	4046.580	4019.216	4046.580	4072.745	4046.580	4019.216	4046.580	4072.745
180	4098.481	4098.481	4098.481	4098.481	4098.481	4098.481	4098.481	4098.481	4098.481

COEFFICIENTS OF UTILIZATION



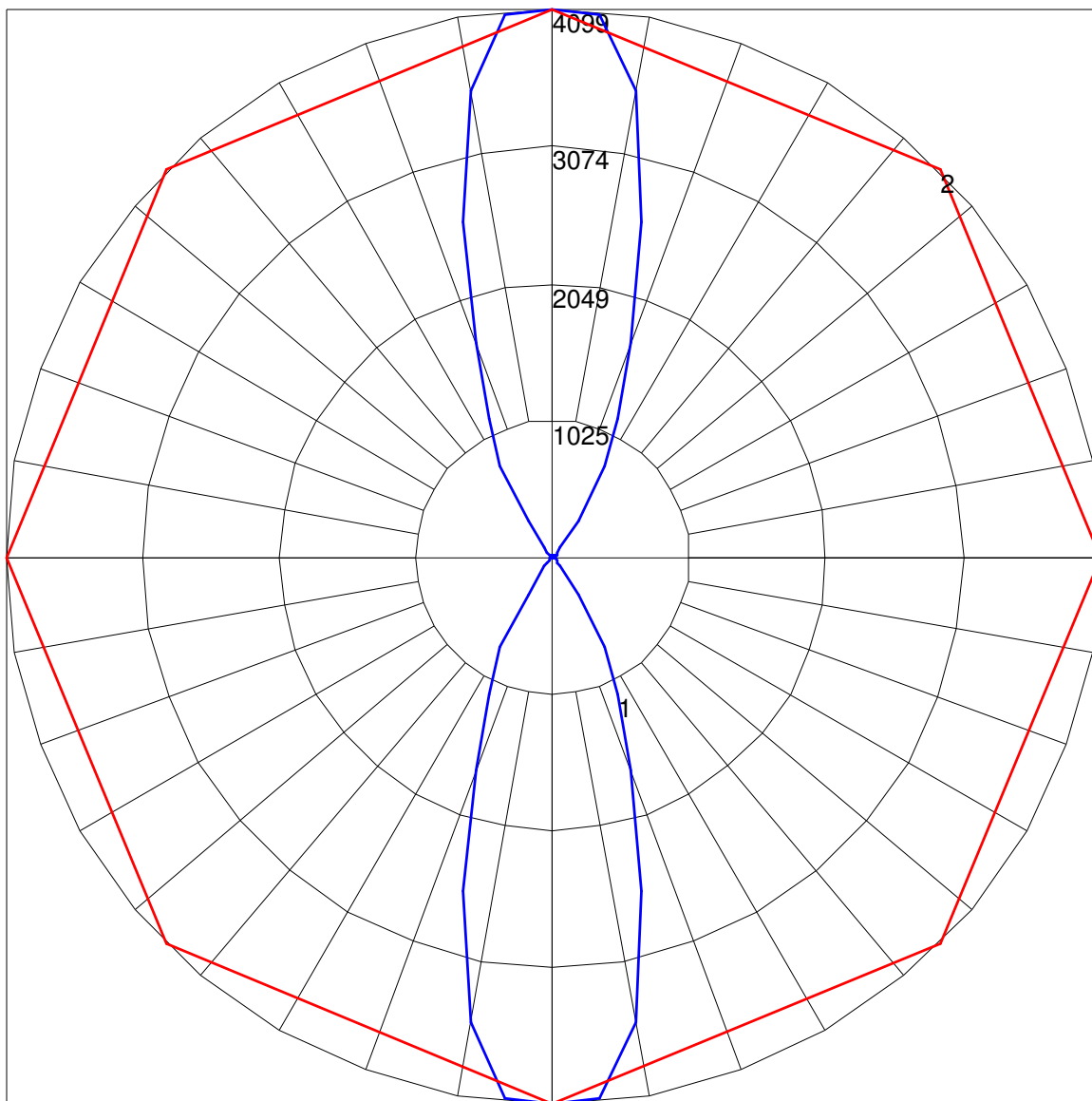
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	979.1	25.0
Downward House Side	979.1	25.0
Downward Total	1958.2	50.0
Upward Street Side	979.1	25.0
Upward House Side	979.1	25.0
Upward Total	1958.2	50.0
Total Flux	3916.4	100.0

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POLAR GRAPH



Maximum Candela = 4098.583 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

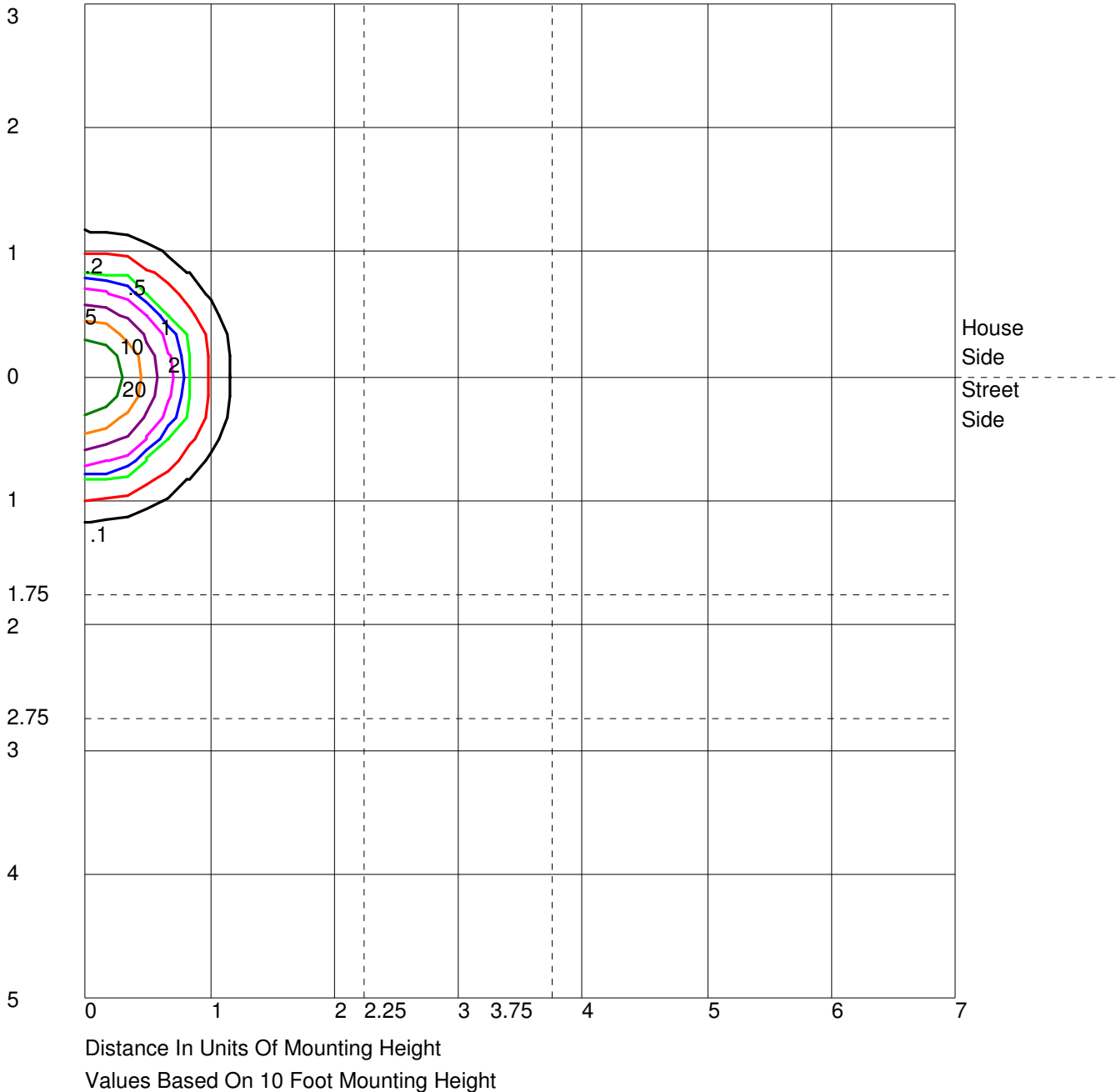


PHOTO LUMENS

