

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-830U-L10-830D-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-L10-830U-L10-830D-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	1972
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2063.713
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2063.713
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.148 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.678 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L10-830U-L10-830D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	410.8	N.A.	20.8
FM - Front-Medium (30-60)	76.7	N.A.	3.9
FH - Front-High (60-80)	5.1	N.A.	0.3
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	410.8	N.A.	20.8
BM - Back-Medium (30-60)	76.7	N.A.	3.9
BH - Back-High (60-80)	5.1	N.A.	0.3
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)	985.3	N.A.	50.0
Total	1971.8	N.A.	100.0
BUG Rating	B1-U4-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	2063.713	2063.713	2063.713	2063.713	2063.713	2063.713	2063.713	2063.713	2063.713
5	2050.703	2037.528	2023.750	2037.528	2050.703	2037.528	2023.750	2037.528	2050.703
10	1788.349	1777.005	1761.187	1777.005	1788.349	1777.005	1761.187	1777.005	1788.349
15	1304.547	1313.013	1312.374	1313.013	1304.547	1313.013	1312.374	1313.013	1304.547
20	858.788	864.921	868.952	864.921	858.788	864.921	868.952	864.921	858.788
25	575.621	577.315	580.017	577.315	575.621	577.315	580.017	577.315	575.621
30	394.529	388.694	391.776	388.694	394.529	388.694	391.776	388.694	394.529
35	168.556	169.043	172.500	169.043	168.556	169.043	172.500	169.043	168.556
40	47.767	49.516	51.637	49.516	47.767	49.516	51.637	49.516	47.767
45	26.117	26.491	26.194	26.491	26.117	26.491	26.194	26.491	26.117
50	17.403	17.609	17.254	17.609	17.403	17.609	17.254	17.609	17.403
55	12.235	12.294	12.055	12.294	12.235	12.294	12.055	12.294	12.235
60	8.956	8.950	8.834	8.950	8.956	8.950	8.834	8.950	8.956
65	6.836	6.794	6.691	6.794	6.836	6.794	6.691	6.794	6.836
70	5.045	4.996	4.896	4.996	5.045	4.996	4.896	4.996	5.045
75	3.315	3.276	3.218	3.276	3.315	3.276	3.218	3.276	3.315
80	1.675	1.678	1.669	1.678	1.675	1.678	1.669	1.678	1.675
85	0.326	0.326	0.326	0.326	0.326	0.326	0.326	0.326	0.326
90	0.123	0.142	0.148	0.142	0.123	0.142	0.148	0.142	0.123
95	0.326	0.326	0.326	0.326	0.326	0.326	0.326	0.326	0.326
100	1.675	1.678	1.669	1.678	1.675	1.678	1.669	1.678	1.675
105	3.315	3.276	3.218	3.276	3.315	3.276	3.218	3.276	3.315
110	5.045	4.996	4.896	4.996	5.045	4.996	4.896	4.996	5.045
115	6.836	6.794	6.691	6.794	6.836	6.794	6.691	6.794	6.836
120	8.956	8.950	8.834	8.950	8.956	8.950	8.834	8.950	8.956
125	12.235	12.294	12.055	12.294	12.235	12.294	12.055	12.294	12.235
130	17.403	17.609	17.254	17.609	17.403	17.609	17.254	17.609	17.403
135	26.117	26.491	26.194	26.491	26.117	26.491	26.194	26.491	26.117
140	47.767	49.516	51.637	49.516	47.767	49.516	51.637	49.516	47.767
145	168.556	169.043	172.500	169.043	168.556	169.043	172.500	169.043	168.556
150	394.529	388.694	391.776	388.694	394.529	388.694	391.776	388.694	394.529
155	575.621	577.315	580.017	577.315	575.621	577.315	580.017	577.315	575.621
160	858.788	864.921	868.952	864.921	858.788	864.921	868.952	864.921	858.788
165	1304.547	1313.013	1312.374	1313.013	1304.547	1313.013	1312.374	1313.013	1304.547
170	1788.349	1777.005	1761.187	1777.005	1788.349	1777.005	1761.187	1777.005	1788.349
175	2050.703	2037.528	2023.750	2037.528	2050.703	2037.528	2023.750	2037.528	2050.703
180	2063.661	2063.661	2063.661	2063.661	2063.661	2063.661	2063.661	2063.661	2063.661

COEFFICIENTS OF UTILIZATION



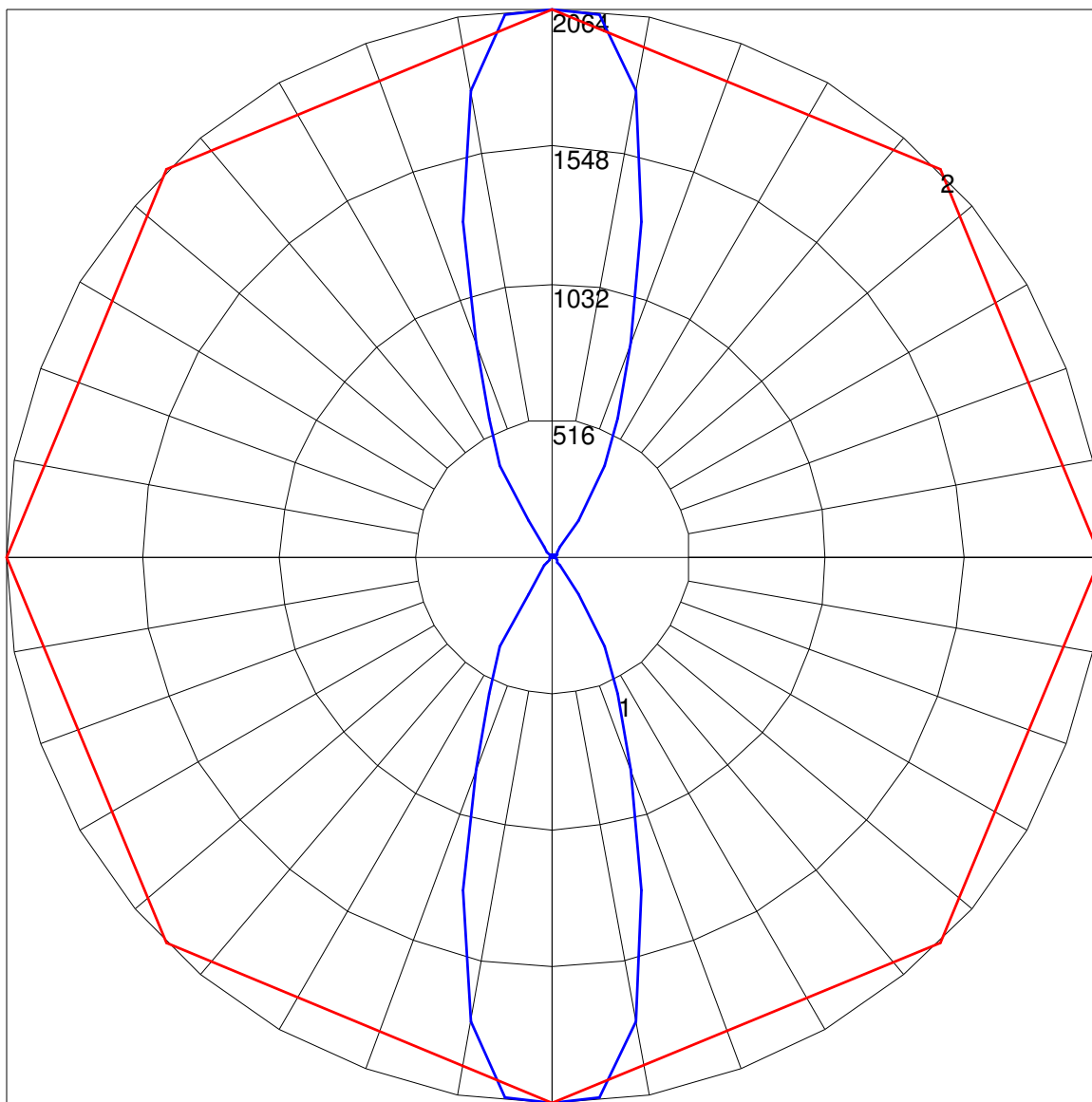
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	493.0	25.0
Downward House Side	493.0	25.0
Downward Total	986.0	50.0
Upward Street Side	493.0	25.0
Upward House Side	493.0	25.0
Upward Total	986.0	50.0
Total Flux	1972.0	100.0

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POLAR GRAPH



Maximum Candela = 2063.713 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

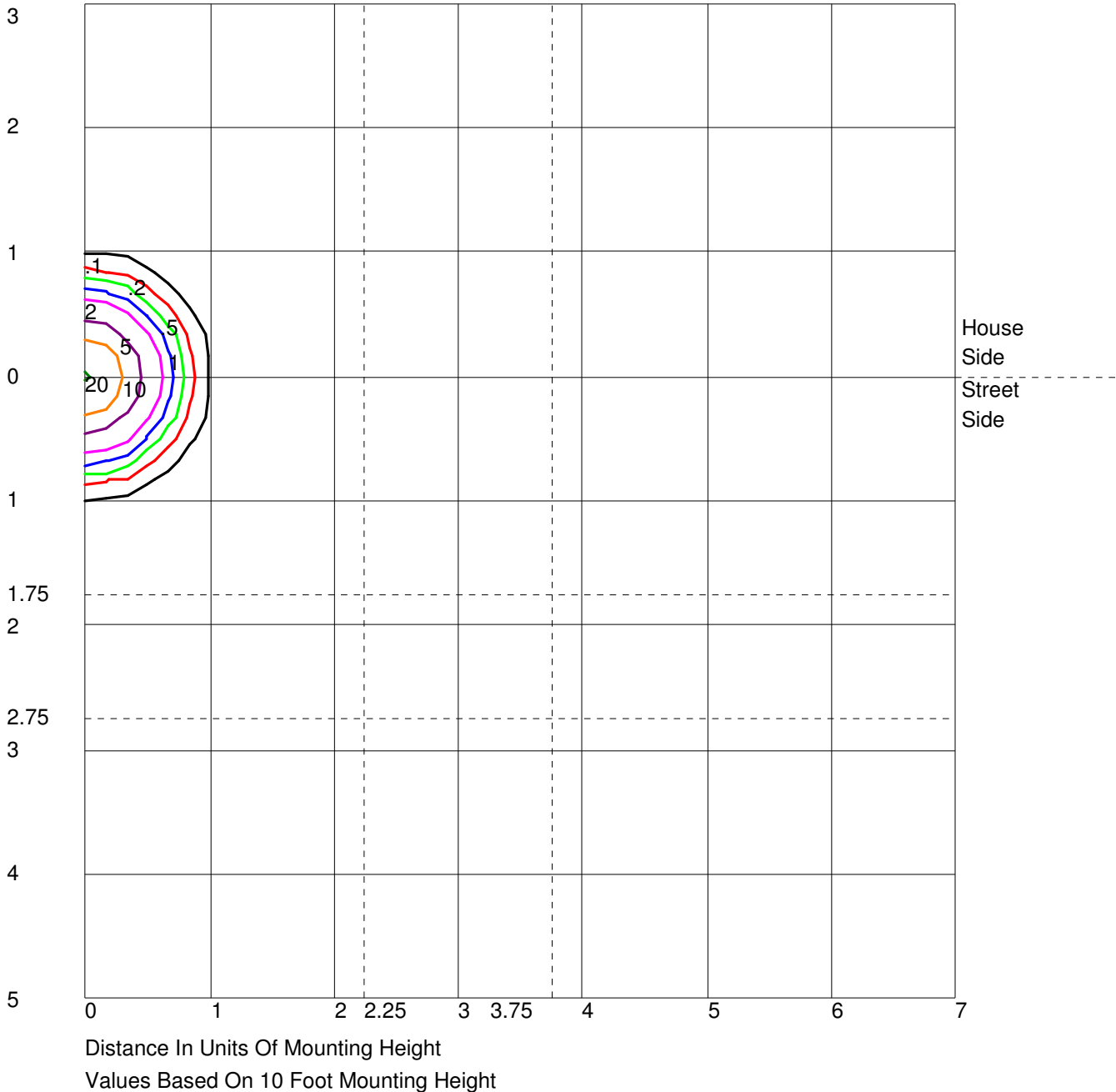


PHOTO LUMENS

