

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-830U-L10-830D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(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-W-xx
[LUMINAIRE] 6 INCH ROUND DIRECT INDIRECT WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2162
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	900.568
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	900.568
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.599 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.583 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	287.0	N.A.	13.3
FM - Front-Medium (30-60)	216.9	N.A.	10.0
FH - Front-High (60-80)	35.3	N.A.	1.6
FVH - Front-Very High (80-90)	1.3	N.A.	0.1
BL - Back-Low (0-30)	287.0	N.A.	13.3
BM - Back-Medium (30-60)	216.9	N.A.	10.0
BH - Back-High (60-80)	35.3	N.A.	1.6
BVH - Back-Very High (80-90)	1.3	N.A.	0.1
UL - Uplight-Low (90-100)	2.6	N.A.	0.1
UH - Uplight-High (100-180)	1078.3	N.A.	49.9
Total	2161.9	N.A.	100.0
BUG Rating	B1-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	900.568	900.568	900.568	900.568	900.568	900.568	900.568	900.568	900.568
5	891.289	890.798	889.215	890.798	891.289	890.798	889.215	890.798	891.289
10	835.722	834.478	833.677	834.478	835.722	834.478	833.677	834.478	835.722
15	748.312	750.407	749.657	750.407	748.312	750.407	749.657	750.407	748.312
20	671.396	672.799	673.026	672.799	671.396	672.799	673.026	672.799	671.396
25	617.405	615.786	616.107	615.786	617.405	615.786	616.107	615.786	617.405
30	529.641	522.926	524.311	522.926	529.641	522.926	524.311	522.926	529.641
35	318.295	318.490	321.415	318.490	318.295	318.490	321.415	318.490	318.295
40	193.711	195.965	197.281	195.965	193.711	195.965	197.281	195.965	193.711
45	163.894	164.052	163.591	164.052	163.894	164.052	163.591	164.052	163.894
50	136.724	136.767	136.457	136.767	136.724	136.767	136.457	136.767	136.724
55	108.298	108.161	107.653	108.161	108.298	108.161	107.653	108.161	108.298
60	78.532	78.333	77.861	78.333	78.532	78.333	77.861	78.333	78.532
65	52.382	52.238	52.036	52.238	52.382	52.238	52.036	52.238	52.382
70	31.065	31.065	31.061	31.065	31.065	31.065	31.061	31.065	31.065
75	15.374	15.406	15.417	15.406	15.374	15.406	15.417	15.406	15.374
80	5.510	5.565	5.583	5.565	5.510	5.565	5.583	5.565	5.510
85	1.778	1.782	1.767	1.782	1.778	1.782	1.767	1.782	1.778
90	0.469	0.527	0.599	0.527	0.469	0.527	0.599	0.527	0.469
95	1.778	1.782	1.767	1.782	1.778	1.782	1.767	1.782	1.778
100	5.510	5.565	5.583	5.565	5.510	5.565	5.583	5.565	5.510
105	15.374	15.406	15.417	15.406	15.374	15.406	15.417	15.406	15.374
110	31.065	31.065	31.061	31.065	31.065	31.065	31.061	31.065	31.065
115	52.382	52.238	52.036	52.238	52.382	52.238	52.036	52.238	52.382
120	78.532	78.333	77.861	78.333	78.532	78.333	77.861	78.333	78.532
125	108.298	108.161	107.653	108.161	108.298	108.161	107.653	108.161	108.298
130	136.724	136.767	136.457	136.767	136.724	136.767	136.457	136.767	136.724
135	163.894	164.052	163.591	164.052	163.894	164.052	163.591	164.052	163.894
140	193.711	195.965	197.281	195.965	193.711	195.965	197.281	195.965	193.711
145	318.295	318.490	321.415	318.490	318.295	318.490	321.415	318.490	318.295
150	529.641	522.926	524.311	522.926	529.641	522.926	524.311	522.926	529.641
155	617.405	615.786	616.107	615.786	617.405	615.786	616.107	615.786	617.405
160	671.396	672.799	673.026	672.799	671.396	672.799	673.026	672.799	671.396
165	748.312	750.407	749.657	750.407	748.312	750.407	749.657	750.407	748.312
170	835.722	834.478	833.677	834.478	835.722	834.478	833.677	834.478	835.722
175	891.289	890.798	889.215	890.798	891.289	890.798	889.215	890.798	891.289
180	900.503	900.503	900.503	900.503	900.503	900.503	900.503	900.503	900.503

COEFFICIENTS OF UTILIZATION



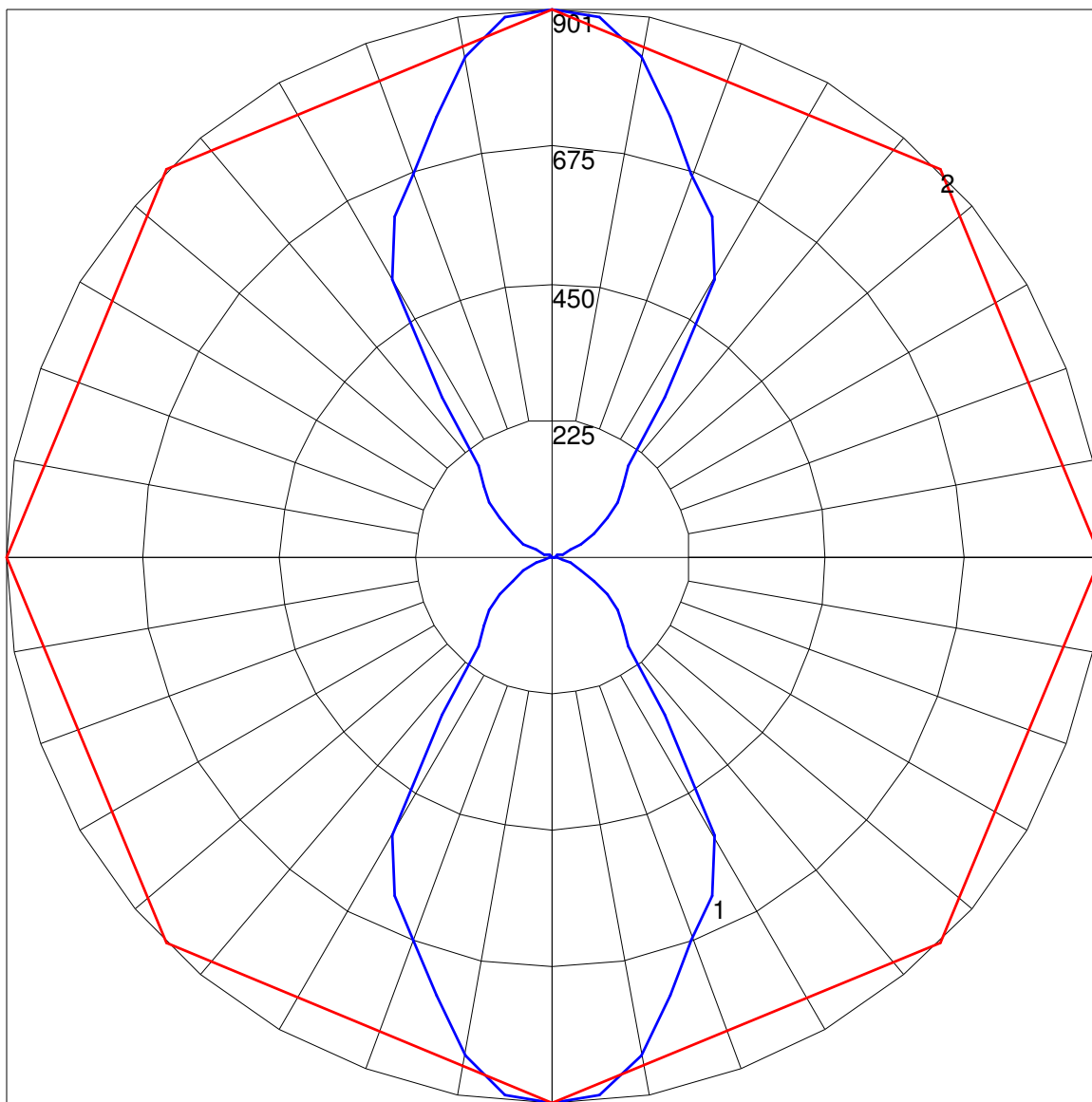
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	540.5	25.0
Downward House Side	540.5	25.0
Downward Total	1081.0	50.0
Upward Street Side	540.5	25.0
Upward House Side	540.5	25.0
Upward Total	1081.0	50.0
Total Flux	2162.0	100.0

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POLAR GRAPH



Maximum Candela = 900.568 Located At Horizontal Angle = 360, Vertical Angle = 0

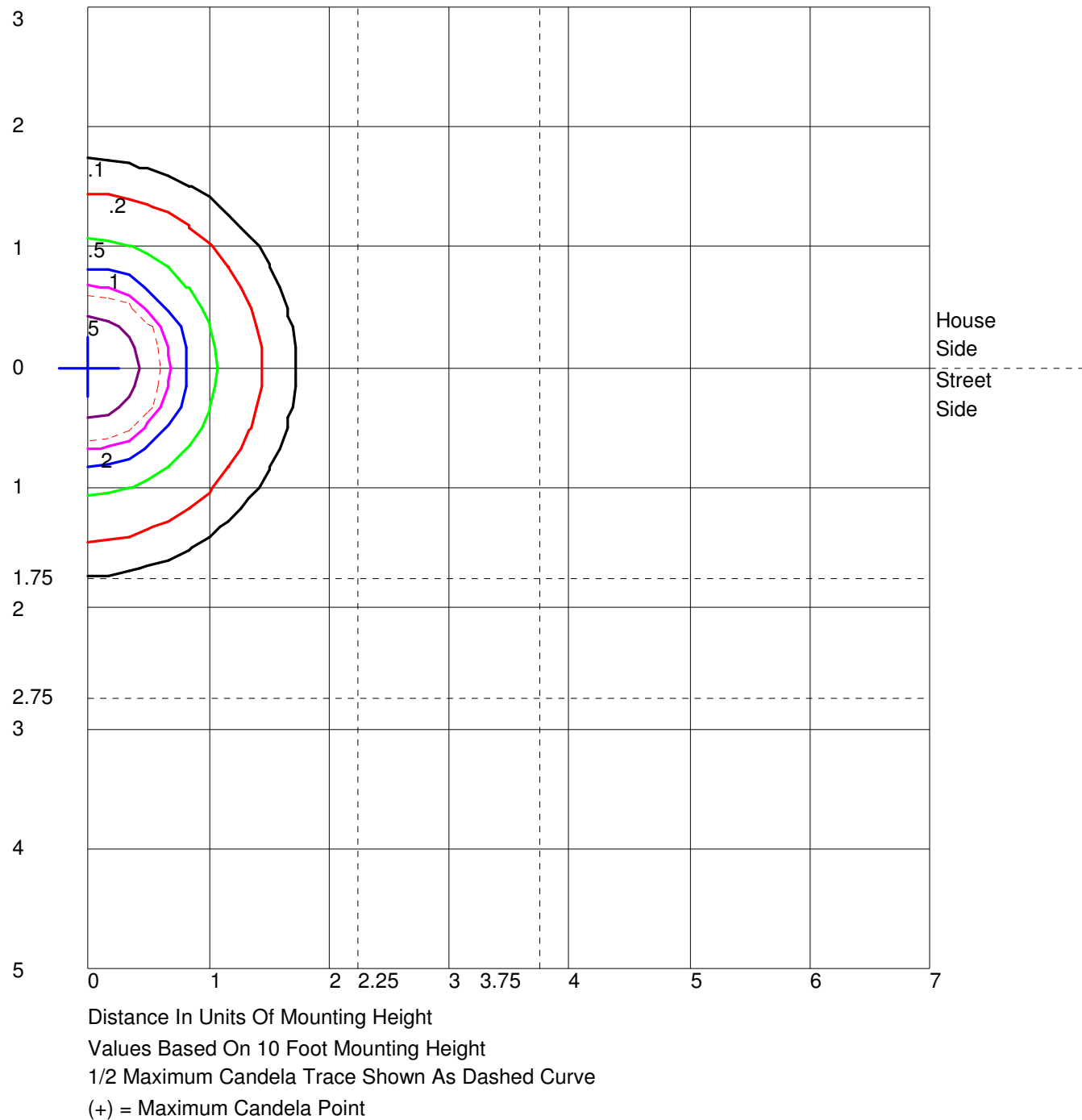
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

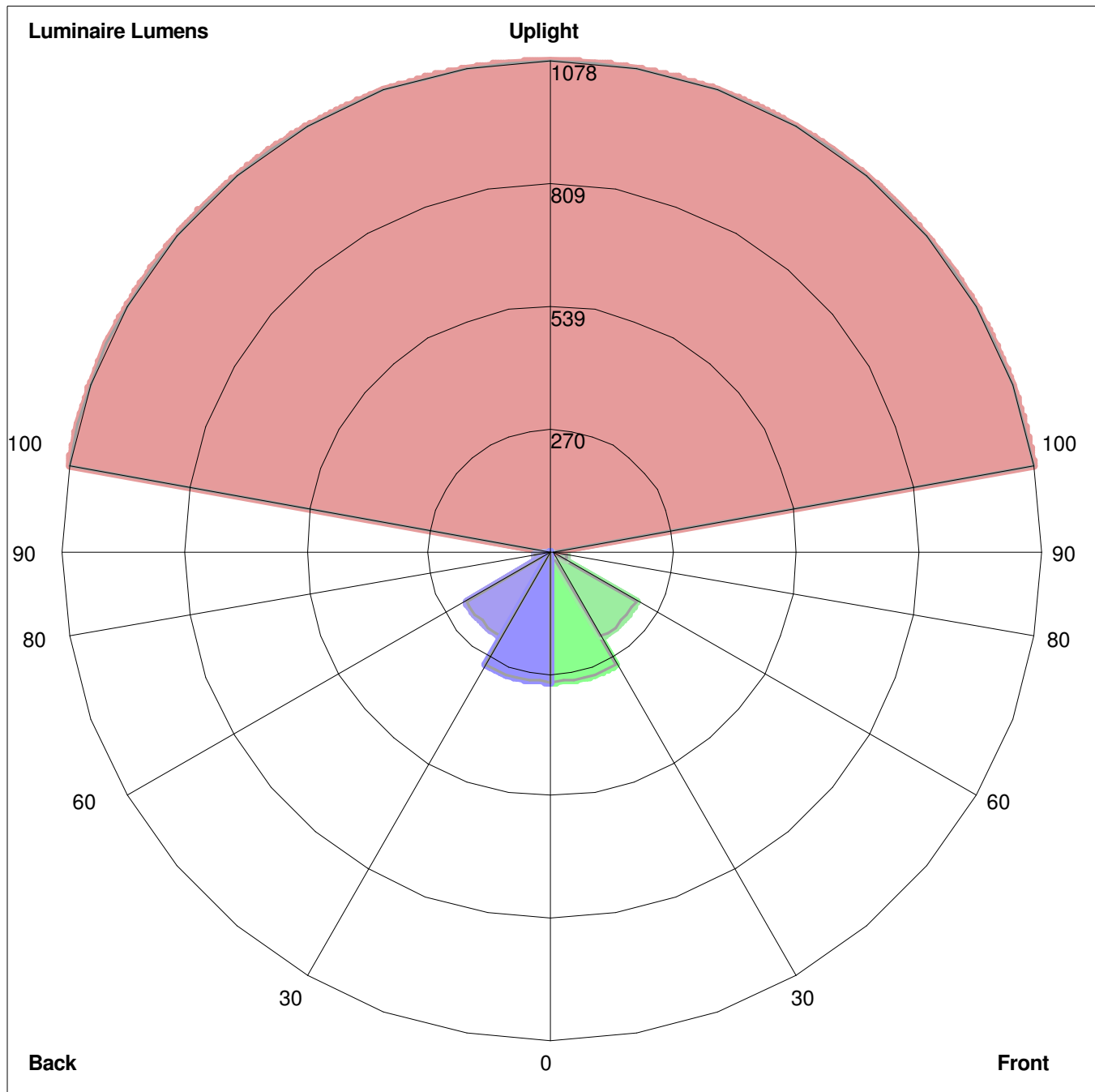
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=287.0, Medium=216.9, High=35.3, Very High=1.3
Back: Low=287.0, Medium=216.9, High=35.3, Very High=1.3
Uplight: Low=2.6, High=1078.3

BUG Rating : B1-U5-G0