

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-827U-L10-827D-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
[ISSUE DATE] 2025-08-06
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CRDI-xx-L10-827U-L10-827D-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	2119
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	882.556
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	882.556
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.587 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.471 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L10-827U-L10-827D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	281.2	N.A.	13.3
FM - Front-Medium (30-60)	212.6	N.A.	10.0
FH - Front-High (60-80)	34.6	N.A.	1.6
FVH - Front-Very High (80-90)	1.3	N.A.	0.1
BL - Back-Low (0-30)	281.2	N.A.	13.3
BM - Back-Medium (30-60)	212.6	N.A.	10.0
BH - Back-High (60-80)	34.6	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)	1056.7	N.A.	49.9
Total	2118.7	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	882.556	882.556	882.556	882.556	882.556	882.556	882.556	882.556	882.556
5	873.463	872.982	871.431	872.982	873.463	872.982	871.431	872.982	873.463
10	819.008	817.788	817.004	817.788	819.008	817.788	817.004	817.788	819.008
15	733.345	735.399	734.664	735.399	733.345	735.399	734.664	735.399	733.345
20	657.968	659.343	659.565	659.343	657.968	659.343	659.565	659.343	657.968
25	605.057	603.470	603.785	603.470	605.057	603.470	603.785	603.470	605.057
30	519.049	512.468	513.825	512.468	519.049	512.468	513.825	512.468	519.049
35	311.930	312.120	314.987	312.120	311.930	312.120	314.987	312.120	311.930
40	189.837	192.046	193.336	192.046	189.837	192.046	193.336	192.046	189.837
45	160.616	160.771	160.319	160.771	160.616	160.771	160.319	160.771	160.616
50	133.989	134.031	133.728	134.031	133.989	134.031	133.728	134.031	133.989
55	106.132	105.998	105.500	105.998	106.132	105.998	105.500	105.998	106.132
60	76.961	76.767	76.304	76.767	76.961	76.767	76.304	76.767	76.961
65	51.334	51.193	50.995	51.193	51.334	51.193	50.995	51.193	51.334
70	30.444	30.444	30.440	30.444	30.444	30.444	30.440	30.444	30.444
75	15.066	15.098	15.109	15.098	15.066	15.098	15.109	15.098	15.066
80	5.400	5.453	5.471	5.453	5.400	5.453	5.471	5.453	5.400
85	1.742	1.746	1.732	1.746	1.742	1.746	1.732	1.746	1.742
90	0.459	0.516	0.587	0.516	0.459	0.516	0.587	0.516	0.459
95	1.742	1.746	1.732	1.746	1.742	1.746	1.732	1.746	1.742
100	5.400	5.453	5.471	5.453	5.400	5.453	5.471	5.453	5.400
105	15.066	15.098	15.109	15.098	15.066	15.098	15.109	15.098	15.066
110	30.444	30.444	30.440	30.444	30.444	30.444	30.440	30.444	30.444
115	51.334	51.193	50.995	51.193	51.334	51.193	50.995	51.193	51.334
120	76.961	76.767	76.304	76.767	76.961	76.767	76.304	76.767	76.961
125	106.132	105.998	105.500	105.998	106.132	105.998	105.500	105.998	106.132
130	133.989	134.031	133.728	134.031	133.989	134.031	133.728	134.031	133.989
135	160.616	160.771	160.319	160.771	160.616	160.771	160.319	160.771	160.616
140	189.837	192.046	193.336	192.046	189.837	192.046	193.336	192.046	189.837
145	311.930	312.120	314.987	312.120	311.930	312.120	314.987	312.120	311.930
150	519.049	512.468	513.825	512.468	519.049	512.468	513.825	512.468	519.049
155	605.057	603.470	603.785	603.470	605.057	603.470	603.785	603.470	605.057
160	657.968	659.343	659.565	659.343	657.968	659.343	659.565	659.343	657.968
165	733.345	735.399	734.664	735.399	733.345	735.399	734.664	735.399	733.345
170	819.008	817.788	817.004	817.788	819.008	817.788	817.004	817.788	819.008
175	873.463	872.982	871.431	872.982	873.463	872.982	871.431	872.982	873.463
180	882.493	882.493	882.493	882.493	882.493	882.493	882.493	882.493	882.493

COEFFICIENTS OF UTILIZATION



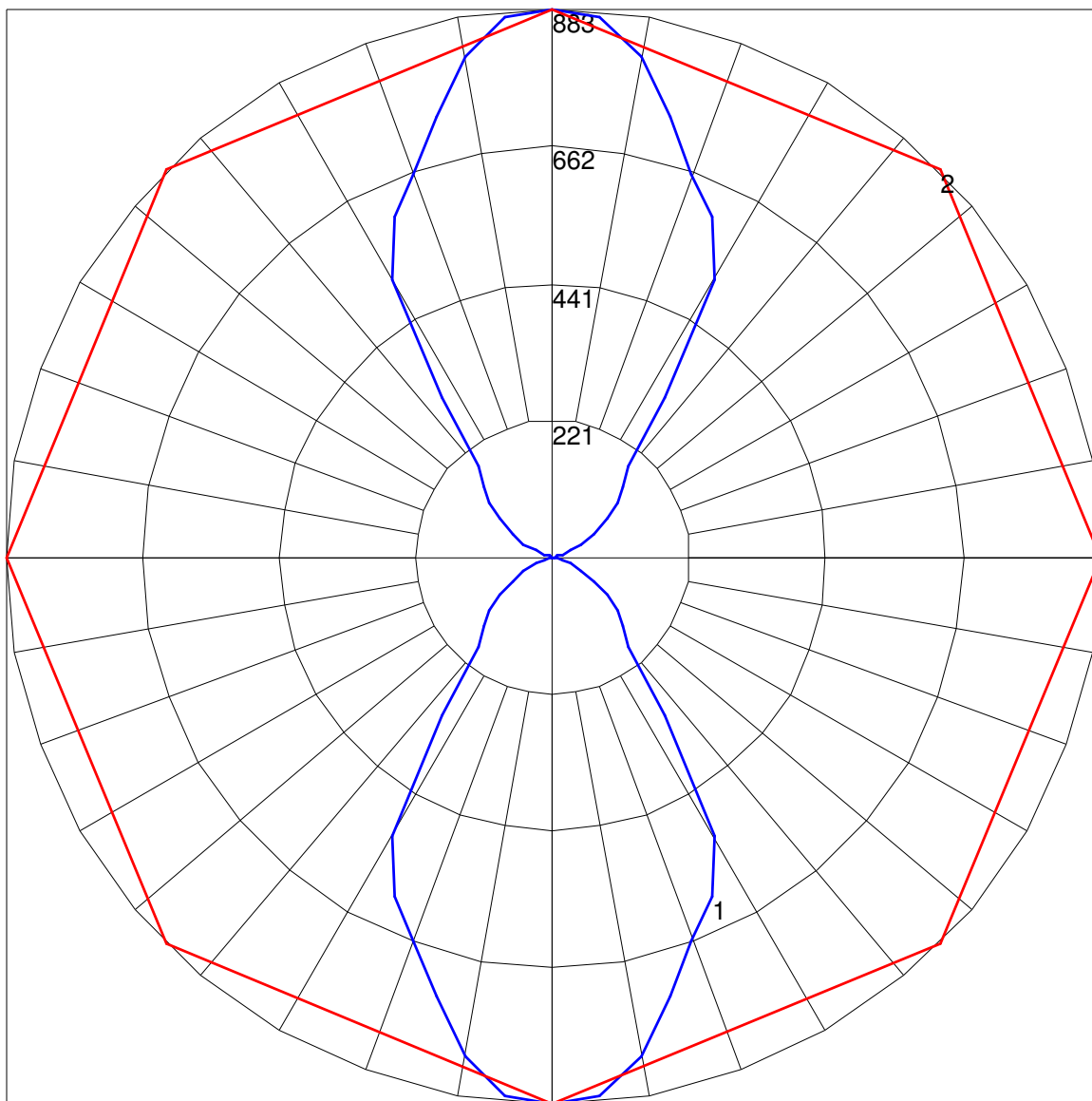
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	529.6	25.0
Downward House Side	529.6	25.0
Downward Total	1059.2	50.0
Upward Street Side	529.6	25.0
Upward House Side	529.6	25.0
Upward Total	1059.2	50.0
Total Flux	2118.4	100.0

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POLAR GRAPH



Maximum Candela = 882.556 Located At Horizontal Angle = 360, Vertical Angle = 0

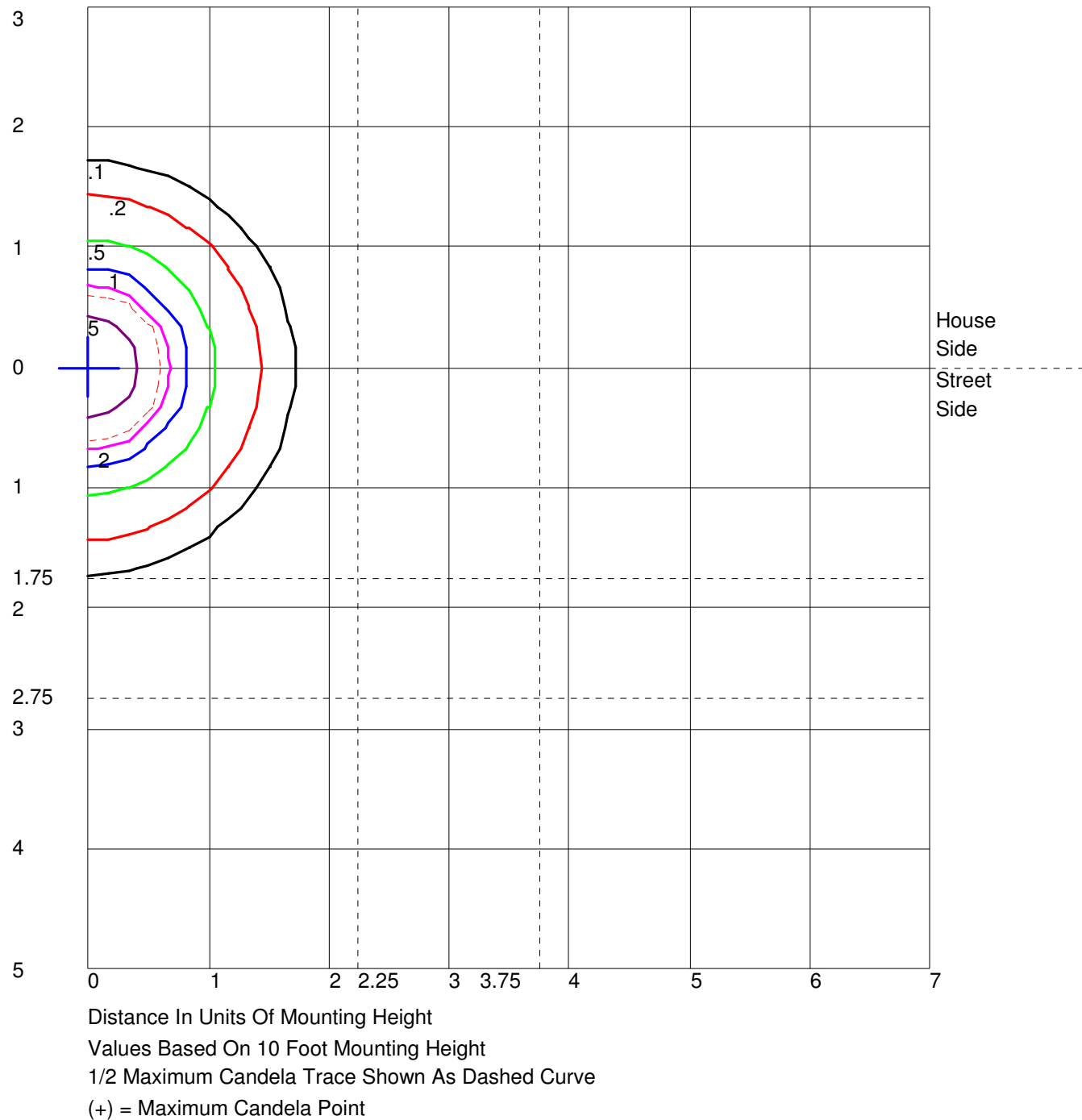
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

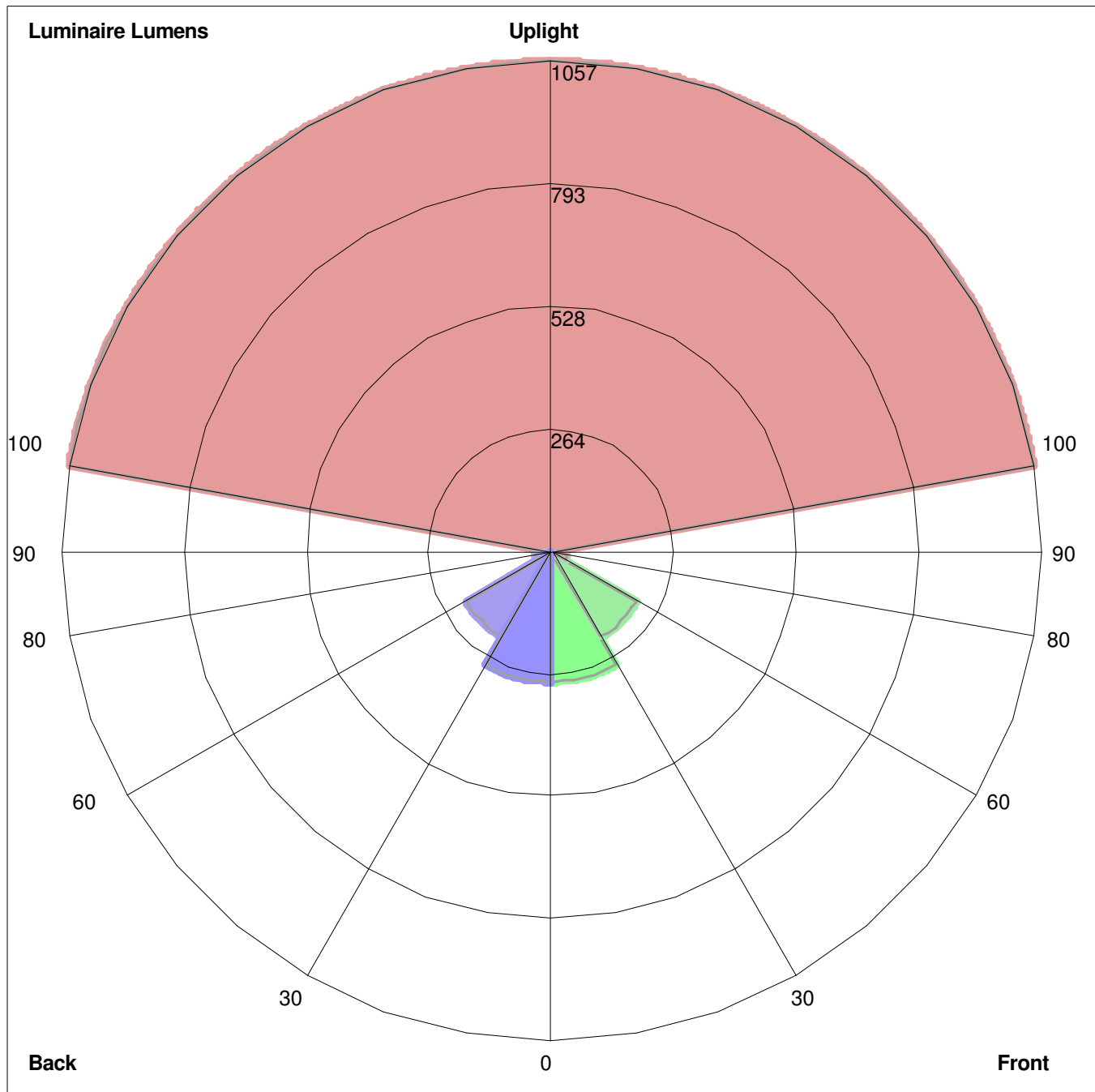
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=281.2, Medium=212.6, High=34.6, Very High=1.3
Back: Low=281.2, Medium=212.6, High=34.6, Very High=1.3
Uplight: Low=2.6, High=1056.7

BUG Rating : B1-U5-G0