

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-927U-L10-927D-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-L10-927U-L10-927D-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	2010
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	837.528
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	837.528
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.557 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.192 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-927U-L10-927D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	266.9	N.A.	13.3
FM - Front-Medium (30-60)	201.7	N.A.	10.0
FH - Front-High (60-80)	32.8	N.A.	1.6
FVH - Front-Very High (80-90)	1.2	N.A.	0.1
BL - Back-Low (0-30)	266.9	N.A.	13.3
BM - Back-Medium (30-60)	201.7	N.A.	10.0
BH - Back-High (60-80)	32.8	N.A.	1.6
BVH - Back-Very High (80-90)	1.2	N.A.	0.1
UL - Uplight-Low (90-100)	2.4	N.A.	0.1
UH - Uplight-High (100-180)	1002.8	N.A.	49.9
Total	2010.4	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	837.528	837.528	837.528	837.528	837.528	837.528	837.528	837.528	837.528
5	828.898	828.442	826.970	828.442	828.898	828.442	826.970	828.442	828.898
10	777.222	776.064	775.320	776.064	777.222	776.064	775.320	776.064	777.222
15	695.930	697.878	697.181	697.878	695.930	697.878	697.181	697.878	695.930
20	624.398	625.703	625.914	625.703	624.398	625.703	625.914	625.703	624.398
25	574.187	572.681	572.979	572.681	574.187	572.681	572.979	572.681	574.187
30	492.566	486.321	487.609	486.321	492.566	486.321	487.609	486.321	492.566
35	296.015	296.196	298.916	296.196	296.015	296.196	298.916	296.196	296.015
40	180.151	182.247	183.471	182.247	180.151	182.247	183.471	182.247	180.151
45	152.421	152.569	152.139	152.569	152.421	152.569	152.139	152.569	152.421
50	127.153	127.193	126.905	127.193	127.153	127.193	126.905	127.193	127.153
55	100.717	100.590	100.117	100.590	100.717	100.590	100.117	100.590	100.717
60	73.034	72.850	72.411	72.850	73.034	72.850	72.411	72.850	73.034
65	48.715	48.581	48.393	48.581	48.715	48.581	48.393	48.581	48.715
70	28.890	28.890	28.887	28.890	28.890	28.890	28.887	28.890	28.890
75	14.298	14.328	14.338	14.328	14.298	14.328	14.338	14.328	14.298
80	5.125	5.175	5.192	5.175	5.125	5.175	5.192	5.175	5.125
85	1.653	1.657	1.643	1.657	1.653	1.657	1.643	1.657	1.653
90	0.436	0.490	0.557	0.490	0.436	0.490	0.557	0.490	0.436
95	1.653	1.657	1.643	1.657	1.653	1.657	1.643	1.657	1.653
100	5.125	5.175	5.192	5.175	5.125	5.175	5.192	5.175	5.125
105	14.298	14.328	14.338	14.328	14.298	14.328	14.338	14.328	14.298
110	28.890	28.890	28.887	28.890	28.890	28.890	28.887	28.890	28.890
115	48.715	48.581	48.393	48.581	48.715	48.581	48.393	48.581	48.715
120	73.034	72.850	72.411	72.850	73.034	72.850	72.411	72.850	73.034
125	100.717	100.590	100.117	100.590	100.717	100.590	100.117	100.590	100.717
130	127.153	127.193	126.905	127.193	127.153	127.193	126.905	127.193	127.153
135	152.421	152.569	152.139	152.569	152.421	152.569	152.139	152.569	152.421
140	180.151	182.247	183.471	182.247	180.151	182.247	183.471	182.247	180.151
145	296.015	296.196	298.916	296.196	296.015	296.196	298.916	296.196	296.015
150	492.566	486.321	487.609	486.321	492.566	486.321	487.609	486.321	492.566
155	574.187	572.681	572.979	572.681	574.187	572.681	572.979	572.681	574.187
160	624.398	625.703	625.914	625.703	624.398	625.703	625.914	625.703	624.398
165	695.930	697.878	697.181	697.878	695.930	697.878	697.181	697.878	695.930
170	777.222	776.064	775.320	776.064	777.222	776.064	775.320	776.064	777.222
175	828.898	828.442	826.970	828.442	828.898	828.442	826.970	828.442	828.898
180	837.468	837.468	837.468	837.468	837.468	837.468	837.468	837.468	837.468

COEFFICIENTS OF UTILIZATION



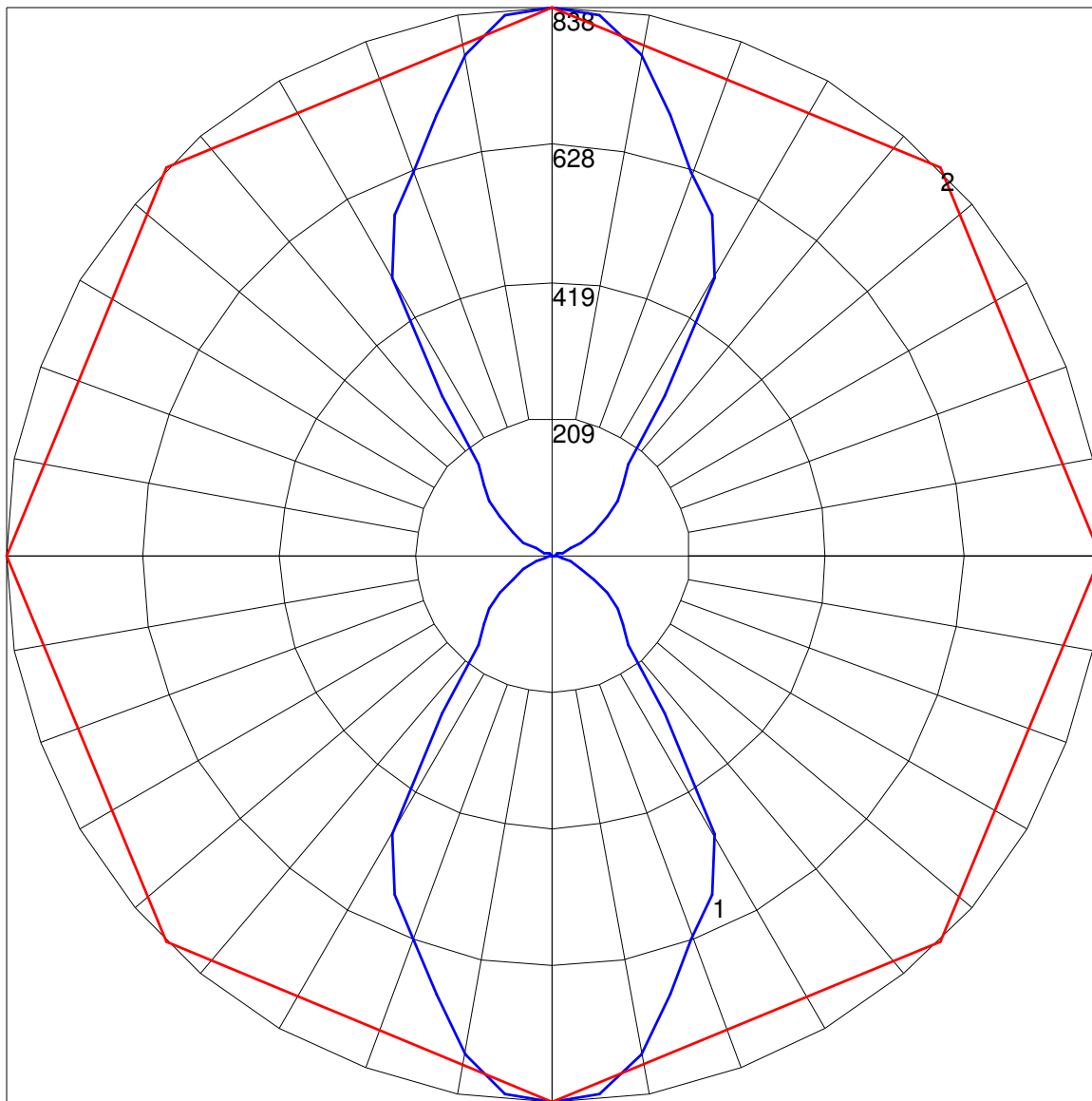
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	502.6	25.0
Downward House Side	502.6	25.0
Downward Total	1005.2	50.0
Upward Street Side	502.6	25.0
Upward House Side	502.6	25.0
Upward Total	1005.2	50.0
Total Flux	2010.4	100.0

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## POLAR GRAPH



Maximum Candela = 837.528 Located At Horizontal Angle = 360, Vertical Angle = 0

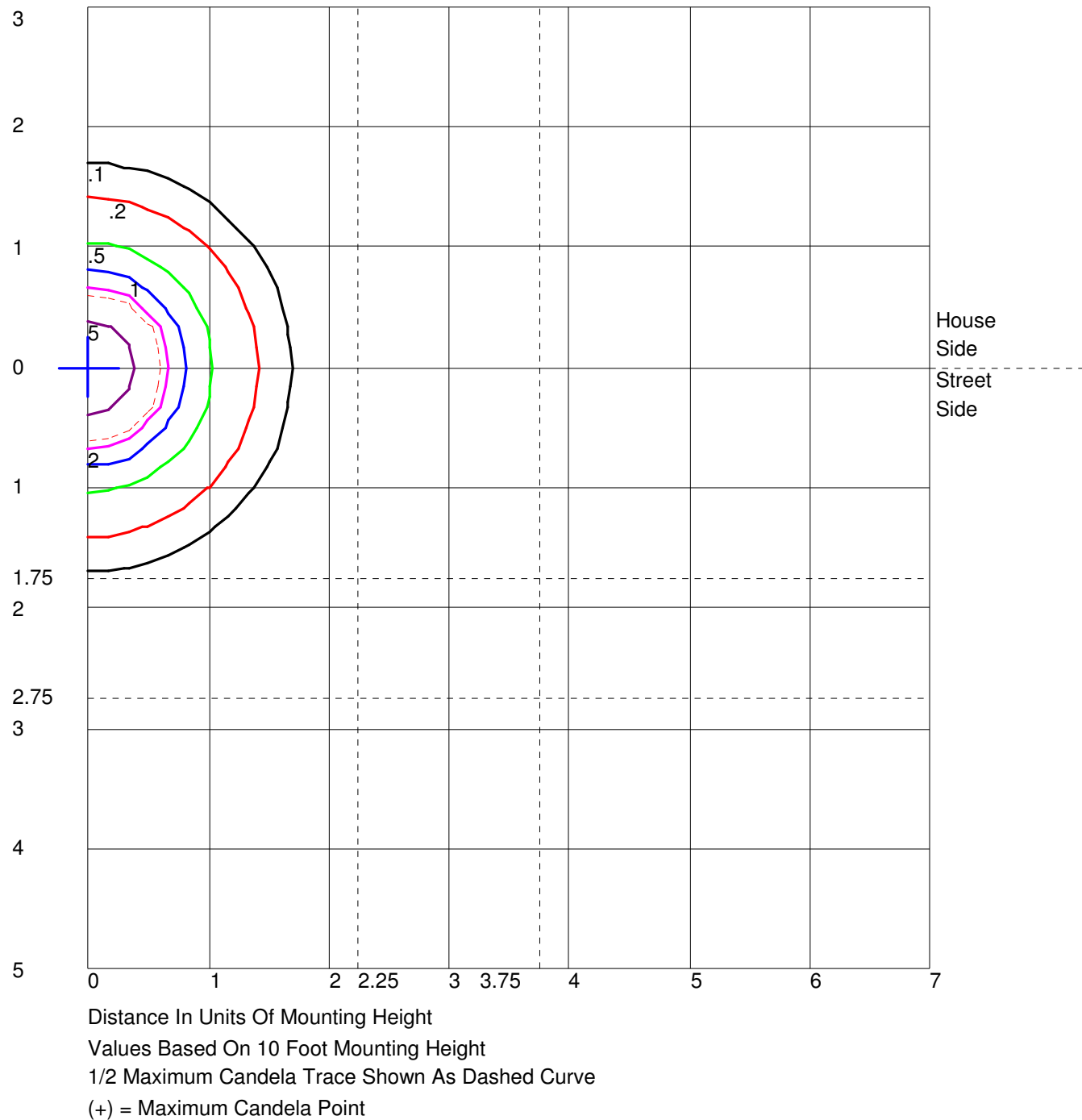
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

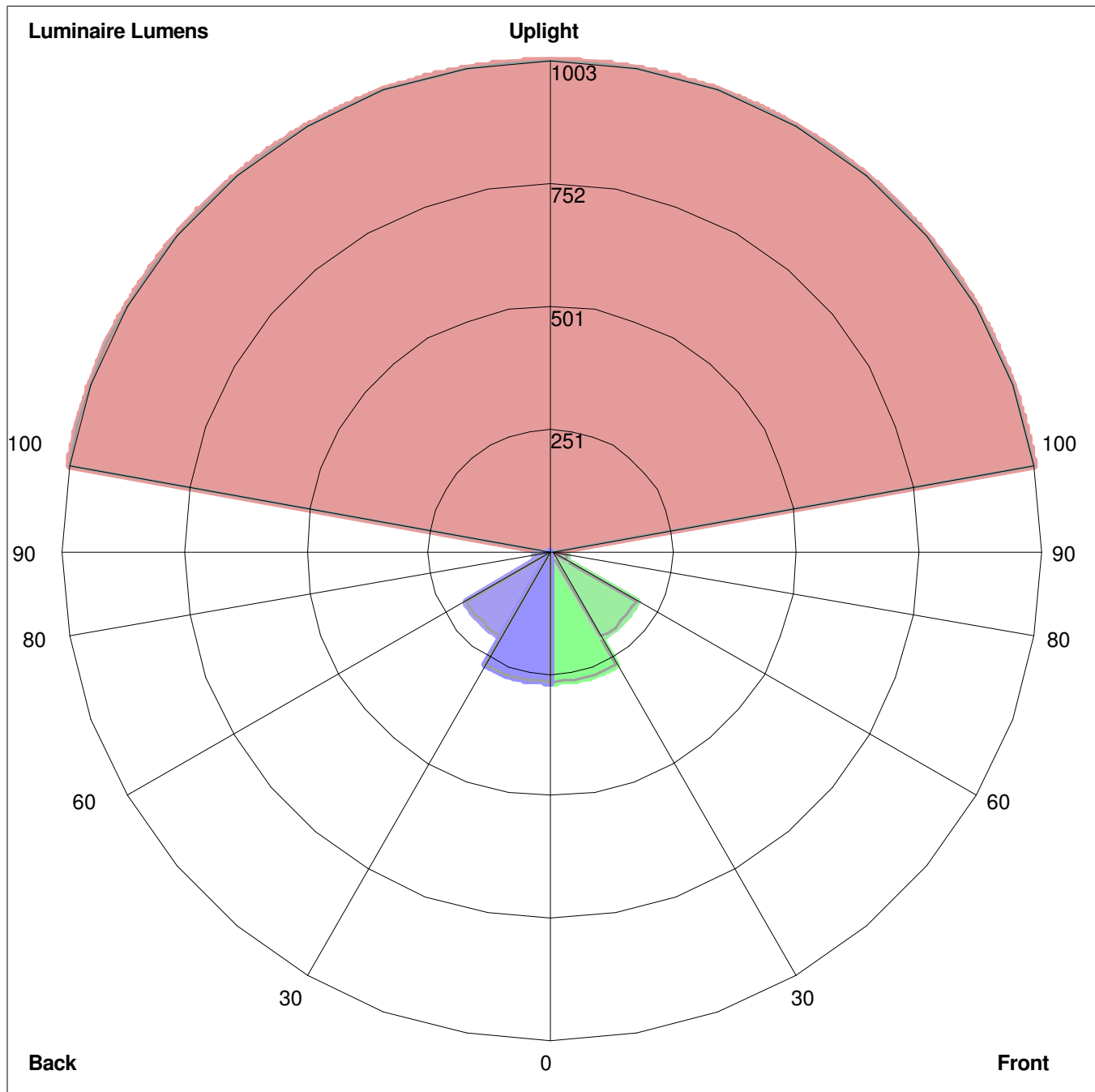
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=266.9, Medium=201.7, High=32.8, Very High=1.2  
Back: Low=266.9, Medium=201.7, High=32.8, Very High=1.2  
Uplight: Low=2.4, High=1002.8

BUG Rating : B1-U5-G0