

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-940U-L10-940D-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-L10-940U-L10-940D-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	2097
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	873.551
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	873.551
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.581 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.415 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-940U-L10-940D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	278.3	N.A.	13.3
FM - Front-Medium (30-60)	210.4	N.A.	10.0
FH - Front-High (60-80)	34.2	N.A.	1.6
FVH - Front-Very High (80-90)	1.3	N.A.	0.1
BL - Back-Low (0-30)	278.3	N.A.	13.3
BM - Back-Medium (30-60)	210.4	N.A.	10.0
BH - Back-High (60-80)	34.2	N.A.	1.6
BVH - Back-Very High (80-90)	1.3	N.A.	0.1
UL - Uplight-Low (90-100)	2.5	N.A.	0.1
UH - Uplight-High (100-180)	1045.9	N.A.	49.9
Total	2096.8	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	873.551	873.551	873.551	873.551	873.551	873.551	873.551	873.551	873.551
5	864.550	864.074	862.538	864.074	864.550	864.074	862.538	864.074	864.550
10	810.650	809.443	808.667	809.443	810.650	809.443	808.667	809.443	810.650
15	725.862	727.895	727.167	727.895	725.862	727.895	727.167	727.895	725.862
20	651.254	652.614	652.835	652.614	651.254	652.614	652.835	652.614	651.254
25	598.883	597.312	597.624	597.312	598.883	597.312	597.624	597.312	598.883
30	513.752	507.238	508.582	507.238	513.752	507.238	508.582	507.238	513.752
35	308.747	308.935	311.772	308.935	308.747	308.935	311.772	308.935	308.747
40	187.900	190.086	191.363	190.086	187.900	190.086	191.363	190.086	187.900
45	158.977	159.131	158.683	159.131	158.977	159.131	158.683	159.131	158.977
50	132.622	132.664	132.363	132.664	132.622	132.664	132.363	132.664	132.622
55	105.049	104.916	104.423	104.916	105.049	104.916	104.423	104.916	105.049
60	76.176	75.983	75.525	75.983	76.176	75.983	75.525	75.983	76.176
65	50.811	50.671	50.475	50.671	50.811	50.671	50.475	50.671	50.811
70	30.133	30.133	30.130	30.133	30.133	30.133	30.130	30.133	30.133
75	14.913	14.944	14.955	14.944	14.913	14.944	14.955	14.944	14.913
80	5.345	5.398	5.415	5.398	5.345	5.398	5.415	5.398	5.345
85	1.725	1.728	1.714	1.728	1.725	1.728	1.714	1.728	1.725
90	0.455	0.511	0.581	0.511	0.455	0.511	0.581	0.511	0.455
95	1.725	1.728	1.714	1.728	1.725	1.728	1.714	1.728	1.725
100	5.345	5.398	5.415	5.398	5.345	5.398	5.415	5.398	5.345
105	14.913	14.944	14.955	14.944	14.913	14.944	14.955	14.944	14.913
110	30.133	30.133	30.130	30.133	30.133	30.133	30.130	30.133	30.133
115	50.811	50.671	50.475	50.671	50.811	50.671	50.475	50.671	50.811
120	76.176	75.983	75.525	75.983	76.176	75.983	75.525	75.983	76.176
125	105.049	104.916	104.423	104.916	105.049	104.916	104.423	104.916	105.049
130	132.622	132.664	132.363	132.664	132.622	132.664	132.363	132.664	132.622
135	158.977	159.131	158.683	159.131	158.977	159.131	158.683	159.131	158.977
140	187.900	190.086	191.363	190.086	187.900	190.086	191.363	190.086	187.900
145	308.747	308.935	311.772	308.935	308.747	308.935	311.772	308.935	308.747
150	513.752	507.238	508.582	507.238	513.752	507.238	508.582	507.238	513.752
155	598.883	597.312	597.624	597.312	598.883	597.312	597.624	597.312	598.883
160	651.254	652.614	652.835	652.614	651.254	652.614	652.835	652.614	651.254
165	725.862	727.895	727.167	727.895	725.862	727.895	727.167	727.895	725.862
170	810.650	809.443	808.667	809.443	810.650	809.443	808.667	809.443	810.650
175	864.550	864.074	862.538	864.074	864.550	864.074	862.538	864.074	864.550
180	873.488	873.488	873.488	873.488	873.488	873.488	873.488	873.488	873.488

COEFFICIENTS OF UTILIZATION



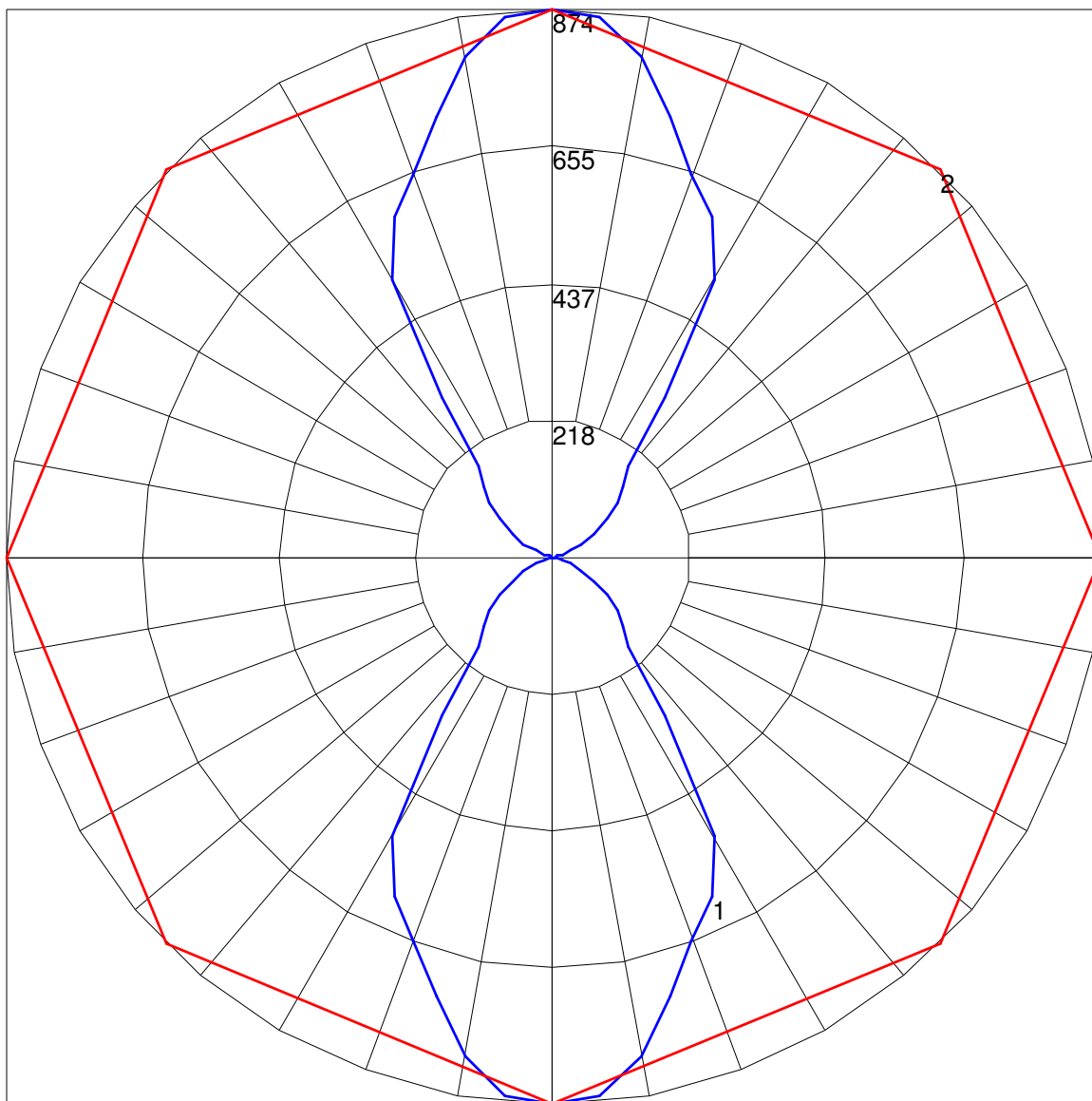
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	524.2	25.0
Downward House Side	524.2	25.0
Downward Total	1048.4	50.0
Upward Street Side	524.2	25.0
Upward House Side	524.2	25.0
Upward Total	1048.4	50.0
Total Flux	2096.8	100.0

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## POLAR GRAPH



Maximum Candela = 873.551 Located At Horizontal Angle = 360, Vertical Angle = 0

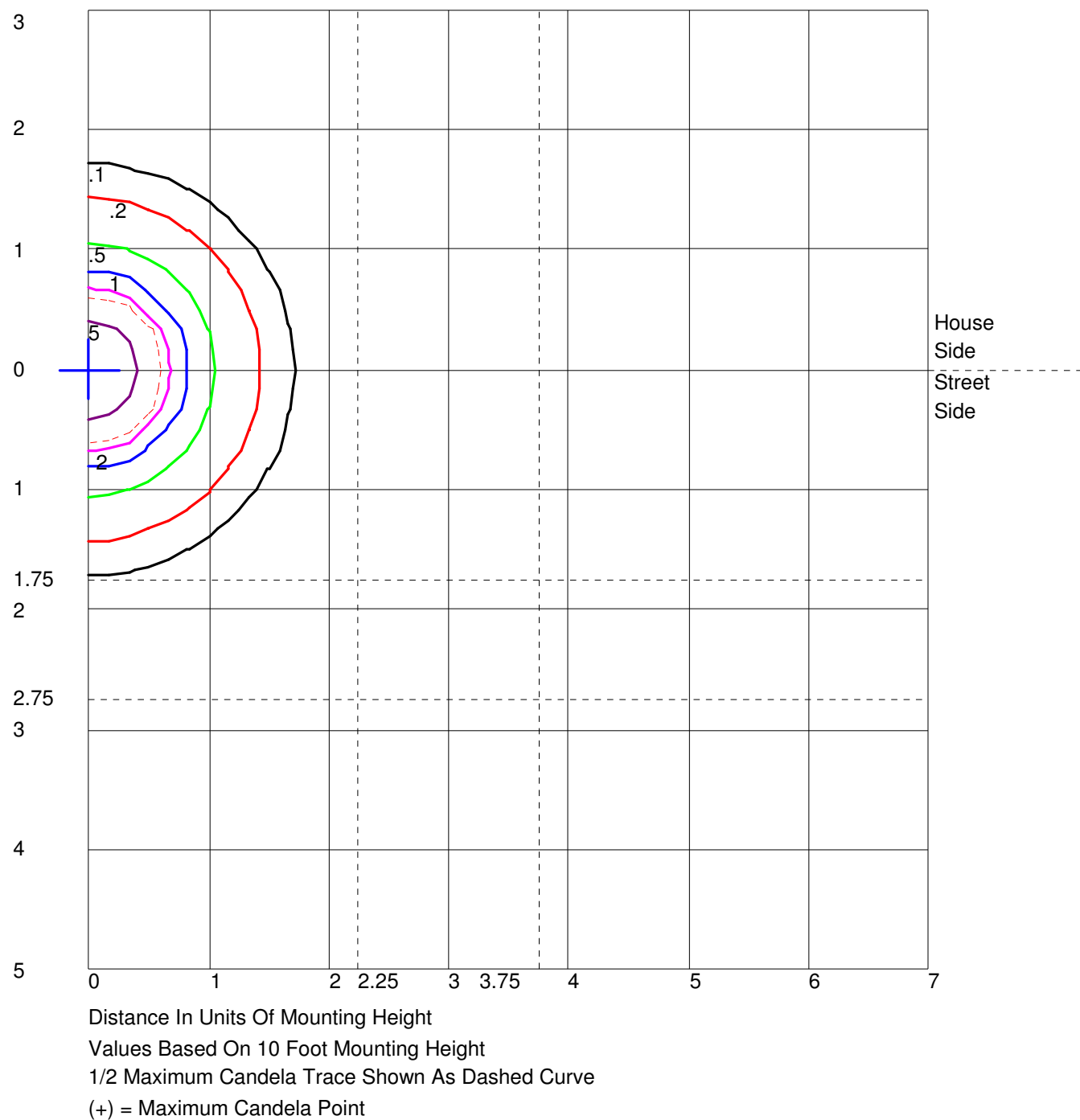
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

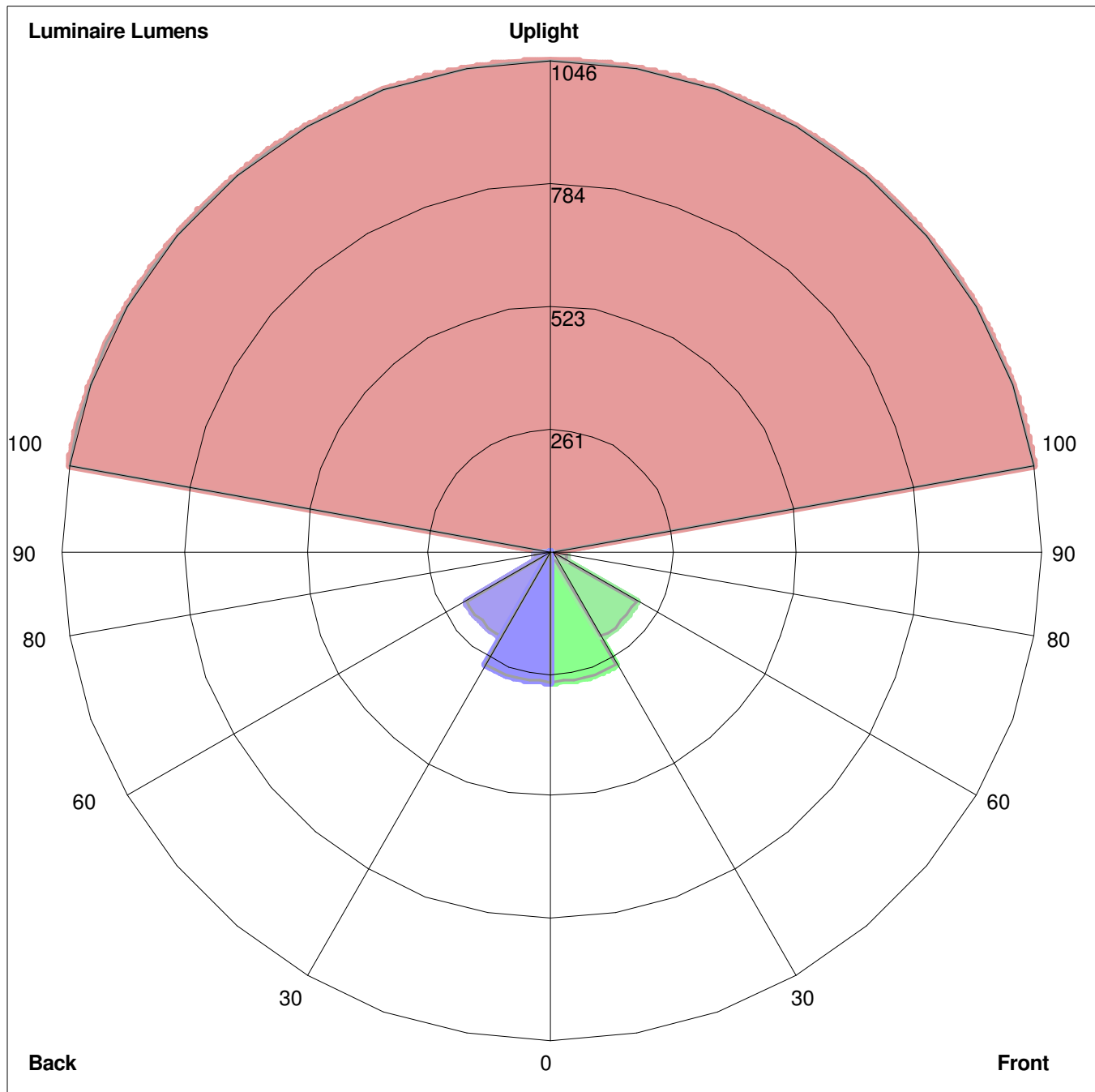
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=278.3, Medium=210.4, High=34.2, Very High=1.3  
Back: Low=278.3, Medium=210.4, High=34.2, Very High=1.3  
Uplight: Low=2.5, High=1045.9

BUG Rating : B1-U5-G0