

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-950U-L50-950D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR_Angela-W_(V22)_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-07

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L50-950U-L50-950D-xxx-DIM-UNV-M-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] CYLINDER WITH MEDIUM DIST

[LAMPCAT] BL VERO 22

[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	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8773
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	8655.285
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	8655.285
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	.639 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.527 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-950U-L50-950D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1804.0	N.A.	20.6
FM - Front-Medium (30-60)	364.3	N.A.	4.2
FH - Front-High (60-80)	23.3	N.A.	0.3
FVH - Front-Very High (80-90)	1.5	N.A.	0.0
BL - Back-Low (0-30)	1804.0	N.A.	20.6
BM - Back-Medium (30-60)	364.3	N.A.	4.2
BH - Back-High (60-80)	23.3	N.A.	0.3
BVH - Back-Very High (80-90)	1.5	N.A.	0.0
UL - Uplight-Low (90-100)	3.0	N.A.	0.0
UH - Uplight-High (100-180)	4383.2	N.A.	50.0
Total	8772.5	N.A.	100.0
BUG Rating	B3-U5-G0		

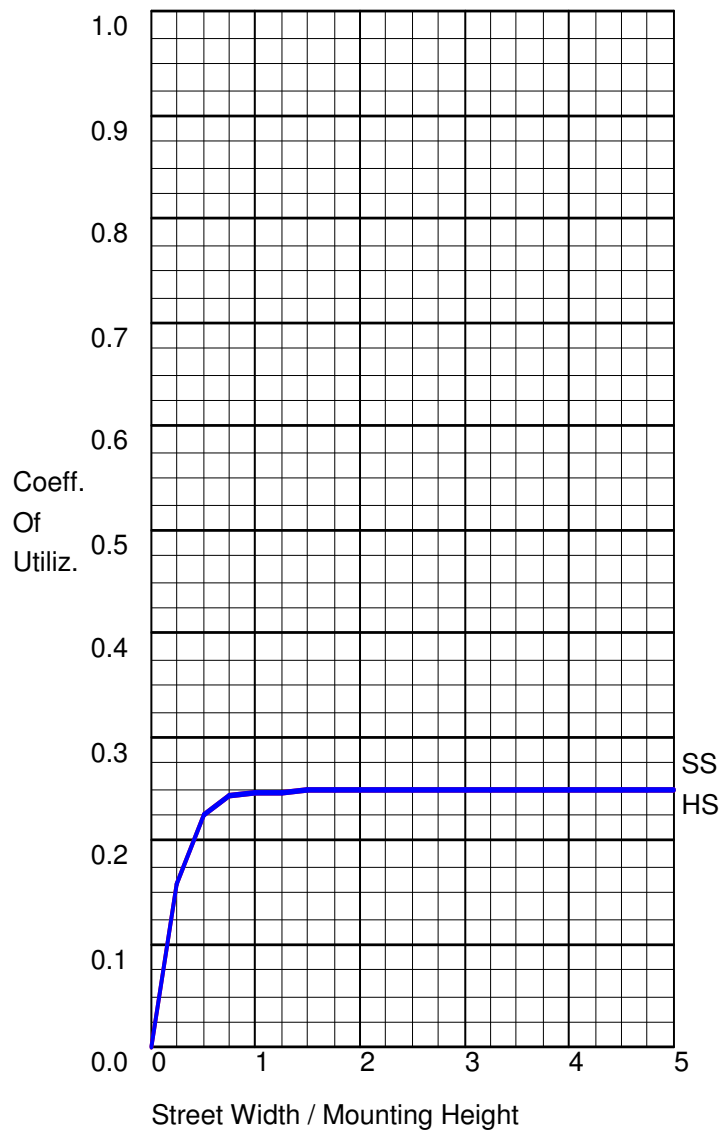
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CANDELA TABULATION

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	8179.671	8179.671	8179.671	8179.671	8179.671	8179.671	8179.671	8179.671	8179.671
5	7880.560	8326.226	8655.285	8326.226	7880.560	8326.226	8655.285	8326.226	7880.560
10	7061.736	7674.285	8003.736	7674.285	7061.736	7674.285	8003.736	7674.285	7061.736
15	5610.630	5872.674	5960.467	5872.674	5610.630	5872.674	5960.467	5872.674	5610.630
20	3871.122	3943.106	3930.465	3943.106	3871.122	3943.106	3930.465	3943.106	3871.122
25	2627.541	2624.446	2611.282	2624.446	2627.541	2624.446	2611.282	2624.446	2627.541
30	1806.930	1762.437	1739.653	1762.437	1806.930	1762.437	1739.653	1762.437	1806.930
35	823.649	832.934	863.593	832.934	823.649	832.934	863.593	832.934	823.649
40	233.535	257.336	274.772	257.336	233.535	257.336	274.772	257.336	233.535
45	118.743	121.388	121.693	121.388	118.743	121.388	121.693	121.388	118.743
50	78.930	80.194	80.615	80.194	78.930	80.194	80.615	80.194	78.930
55	55.376	56.219	56.582	56.219	55.376	56.219	56.582	56.219	55.376
60	40.555	40.918	40.991	40.918	40.555	40.918	40.991	40.918	40.555
65	30.863	30.921	30.732	30.921	30.863	30.921	30.732	30.921	30.863
70	22.639	22.537	22.275	22.537	22.639	22.537	22.275	22.537	22.639
75	14.778	14.632	14.458	14.632	14.778	14.632	14.458	14.632	14.778
80	7.527	7.527	7.512	7.527	7.527	7.527	7.512	7.527	7.527
85	1.482	1.482	1.424	1.482	1.482	1.482	1.424	1.482	1.482
90	0.552	0.639	0.639	0.639	0.552	0.639	0.639	0.639	0.552
95	1.482	1.482	1.424	1.482	1.482	1.482	1.424	1.482	1.482
100	7.527	7.527	7.512	7.527	7.527	7.527	7.512	7.527	7.527
105	14.778	14.632	14.458	14.632	14.778	14.632	14.458	14.632	14.778
110	22.639	22.537	22.275	22.537	22.639	22.537	22.275	22.537	22.639
115	30.863	30.921	30.732	30.921	30.863	30.921	30.732	30.921	30.863
120	40.555	40.918	40.991	40.918	40.555	40.918	40.991	40.918	40.555
125	55.376	56.219	56.582	56.219	55.376	56.219	56.582	56.219	55.376
130	78.930	80.194	80.615	80.194	78.930	80.194	80.615	80.194	78.930
135	118.743	121.388	121.693	121.388	118.743	121.388	121.693	121.388	118.743
140	233.535	257.336	274.772	257.336	233.535	257.336	274.772	257.336	233.535
145	823.649	832.934	863.593	832.934	823.649	832.934	863.593	832.934	823.649
150	1806.930	1762.437	1739.653	1762.437	1806.930	1762.437	1739.653	1762.437	1806.930
155	2627.541	2624.446	2611.282	2624.446	2627.541	2624.446	2611.282	2624.446	2627.541
160	3871.122	3943.106	3930.465	3943.106	3871.122	3943.106	3930.465	3943.106	3871.122
165	5610.630	5872.674	5960.467	5872.674	5610.630	5872.674	5960.467	5872.674	5610.630
170	7061.736	7674.285	8003.736	7674.285	7061.736	7674.285	8003.736	7674.285	7061.736
175	7880.560	8326.226	8655.285	8326.226	7880.560	8326.226	8655.285	8326.226	7880.560
180	8179.235	8179.235	8179.235	8179.235	8179.235	8179.235	8179.235	8179.235	8179.235

COEFFICIENTS OF UTILIZATION



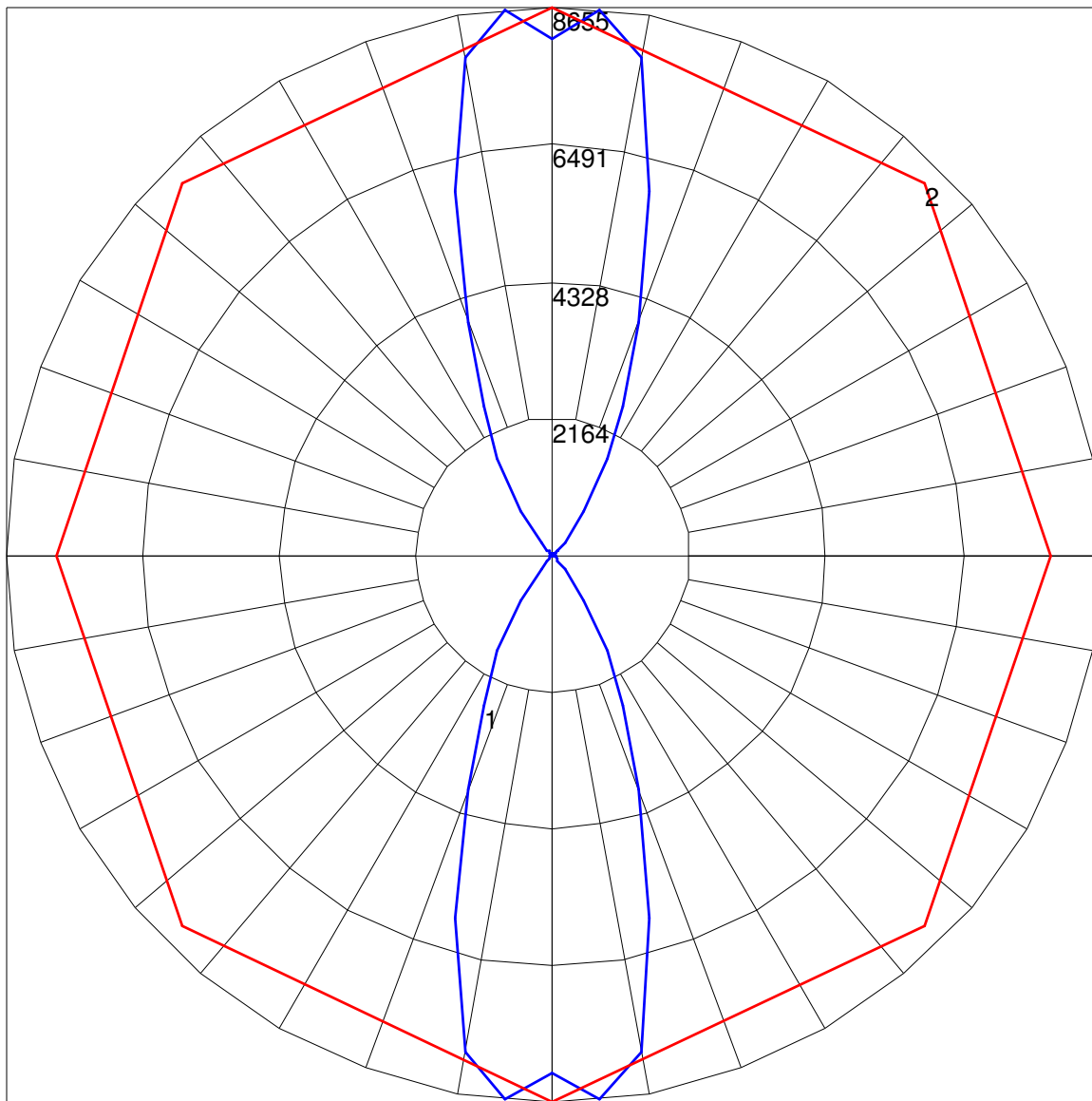
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2193.1	25.0
Downward House Side	2193.1	25.0
Downward Total	4386.2	50.0
Upward Street Side	2193.1	25.0
Upward House Side	2193.1	25.0
Upward Total	4386.2	50.0
Total Flux	8772.4	100.0

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POLAR GRAPH



Maximum Candela = 8655.285 Located At Horizontal Angle = 270, Vertical Angle = 175

1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

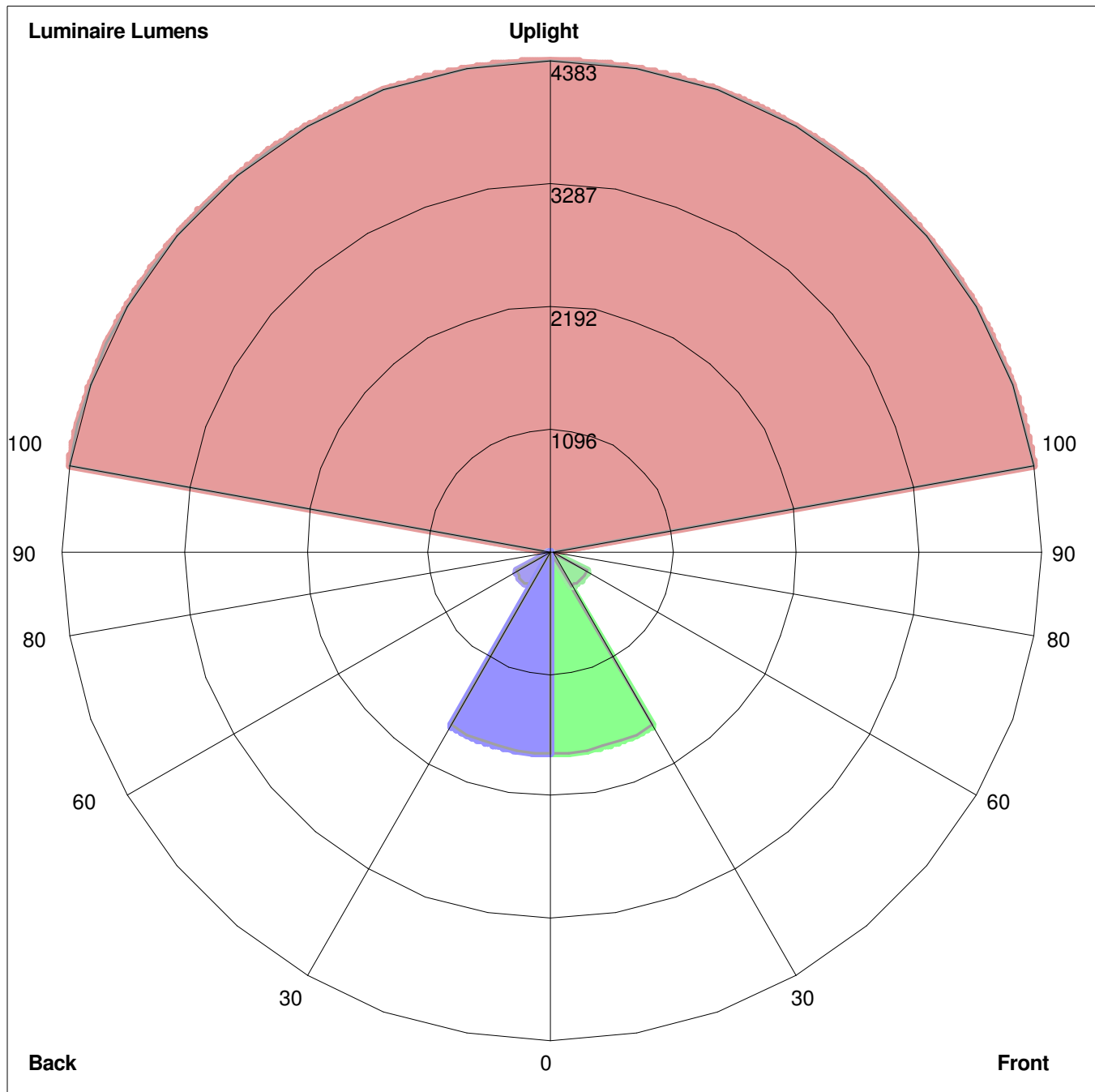
Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1804.0, Medium=364.3, High=23.3, Very High=1.5
Back: Low= 1804.0, Medium=364.3, High=23.3, Very High=1.5
Uplight: Low=3.0, High=4383.2

BUG Rating : B3-U5-G0