

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-927U-L30-927D-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-L30-927U-L30-927D-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	5723
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2383.972
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2383.972
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.585 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	14.778 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-927U-L30-927D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	759.6	N.A.	13.3
FM - Front-Medium (30-60)	574.2	N.A.	10.0
FH - Front-High (60-80)	93.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.5	N.A.	0.1
BL - Back-Low (0-30)	759.6	N.A.	13.3
BM - Back-Medium (30-60)	574.2	N.A.	10.0
BH - Back-High (60-80)	93.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.5	N.A.	0.1
UL - Uplight-Low (90-100)	6.9	N.A.	0.1
UH - Uplight-High (100-180)	2854.4	N.A.	49.9
Total	5722.7	N.A.	100.0
BUG Rating	B2-U5-G0		

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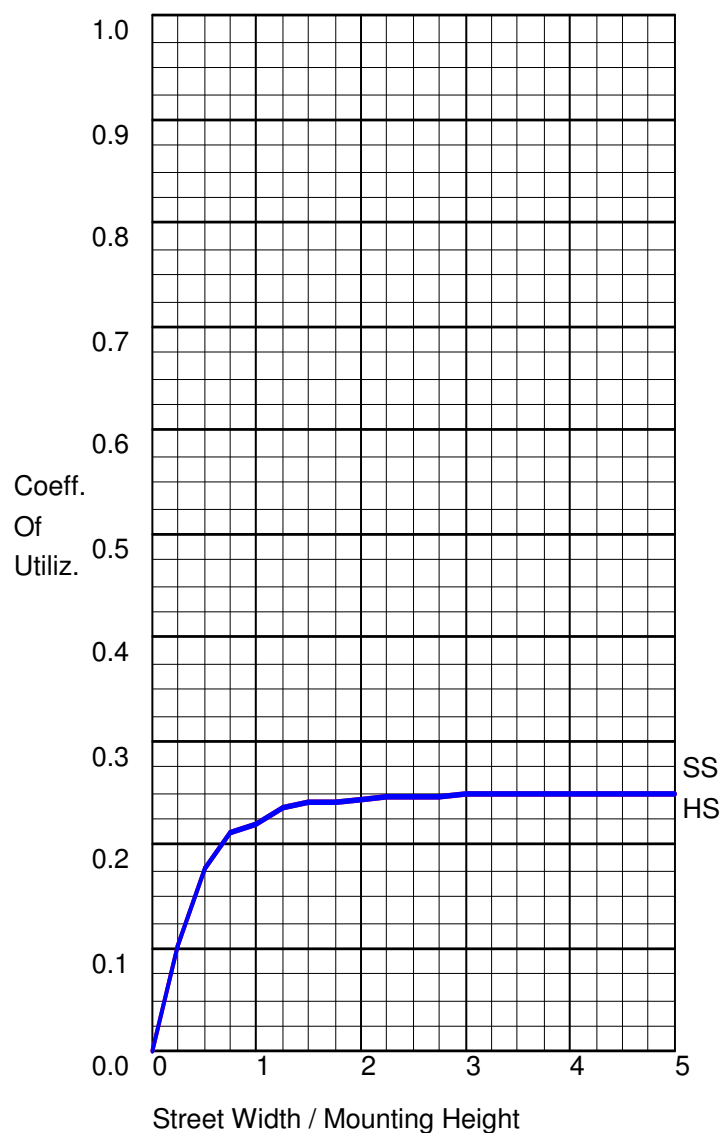
CANDELA TABULATION

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	2383.972	2383.972	2383.972	2383.972	2383.972	2383.972	2383.972	2383.972	2383.972
5	2359.408	2358.110	2353.919	2358.110	2359.408	2358.110	2353.919	2358.110	2359.408
10	2212.313	2209.020	2206.900	2209.020	2212.313	2209.020	2206.900	2209.020	2212.313
15	1980.921	1986.468	1984.482	1986.468	1980.921	1986.468	1984.482	1986.468	1980.921
20	1777.310	1781.024	1781.625	1781.024	1777.310	1781.024	1781.625	1781.024	1777.310
25	1634.387	1630.101	1630.951	1630.101	1634.387	1630.101	1630.951	1630.101	1634.387
30	1402.060	1384.284	1387.950	1384.284	1402.060	1384.284	1387.950	1384.284	1402.060
35	842.588	843.103	850.846	843.103	842.588	843.103	850.846	843.103	842.588
40	512.789	518.756	522.240	518.756	512.789	518.756	522.240	518.756	512.789
45	433.857	434.277	433.055	434.277	433.857	434.277	433.055	434.277	433.857
50	361.933	362.047	361.226	362.047	361.933	362.047	361.226	362.047	361.933
55	286.686	286.323	284.977	286.323	286.686	286.323	284.977	286.323	286.686
60	207.888	207.363	206.112	207.363	207.888	207.363	206.112	207.363	207.888
65	138.665	138.283	137.749	138.283	138.665	138.283	137.749	138.283	138.665
70	82.235	82.235	82.225	82.235	82.235	82.235	82.225	82.235	82.235
75	40.697	40.783	40.812	40.783	40.697	40.783	40.812	40.783	40.697
80	14.587	14.730	14.778	14.730	14.587	14.730	14.778	14.730	14.587
85	4.707	4.716	4.678	4.716	4.707	4.716	4.678	4.716	4.707
90	1.241	1.394	1.585	1.394	1.241	1.394	1.585	1.394	1.241
95	4.707	4.716	4.678	4.716	4.707	4.716	4.678	4.716	4.707
100	14.587	14.730	14.778	14.730	14.587	14.730	14.778	14.730	14.587
105	40.697	40.783	40.812	40.783	40.697	40.783	40.812	40.783	40.697
110	82.235	82.235	82.225	82.235	82.235	82.235	82.225	82.235	82.235
115	138.665	138.283	137.749	138.283	138.665	138.283	137.749	138.283	138.665
120	207.888	207.363	206.112	207.363	207.888	207.363	206.112	207.363	207.888
125	286.686	286.323	284.977	286.323	286.686	286.323	284.977	286.323	286.686
130	361.933	362.047	361.226	362.047	361.933	362.047	361.226	362.047	361.933
135	433.857	434.277	433.055	434.277	433.857	434.277	433.055	434.277	433.857
140	512.789	518.756	522.240	518.756	512.789	518.756	522.240	518.756	512.789
145	842.588	843.103	850.846	843.103	842.588	843.103	850.846	843.103	842.588
150	1402.060	1384.284	1387.950	1384.284	1402.060	1384.284	1387.950	1384.284	1402.060
155	1634.387	1630.101	1630.951	1630.101	1634.387	1630.101	1630.951	1630.101	1634.387
160	1777.310	1781.024	1781.625	1781.024	1777.310	1781.024	1781.625	1781.024	1777.310
165	1980.921	1986.468	1984.482	1986.468	1980.921	1986.468	1984.482	1986.468	1980.921
170	2212.313	2209.020	2206.900	2209.020	2212.313	2209.020	2206.900	2209.020	2212.313
175	2359.408	2358.110	2353.919	2358.110	2359.408	2358.110	2353.919	2358.110	2359.408
180	2383.800	2383.800	2383.800	2383.800	2383.800	2383.800	2383.800	2383.800	2383.800

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COEFFICIENTS OF UTILIZATION



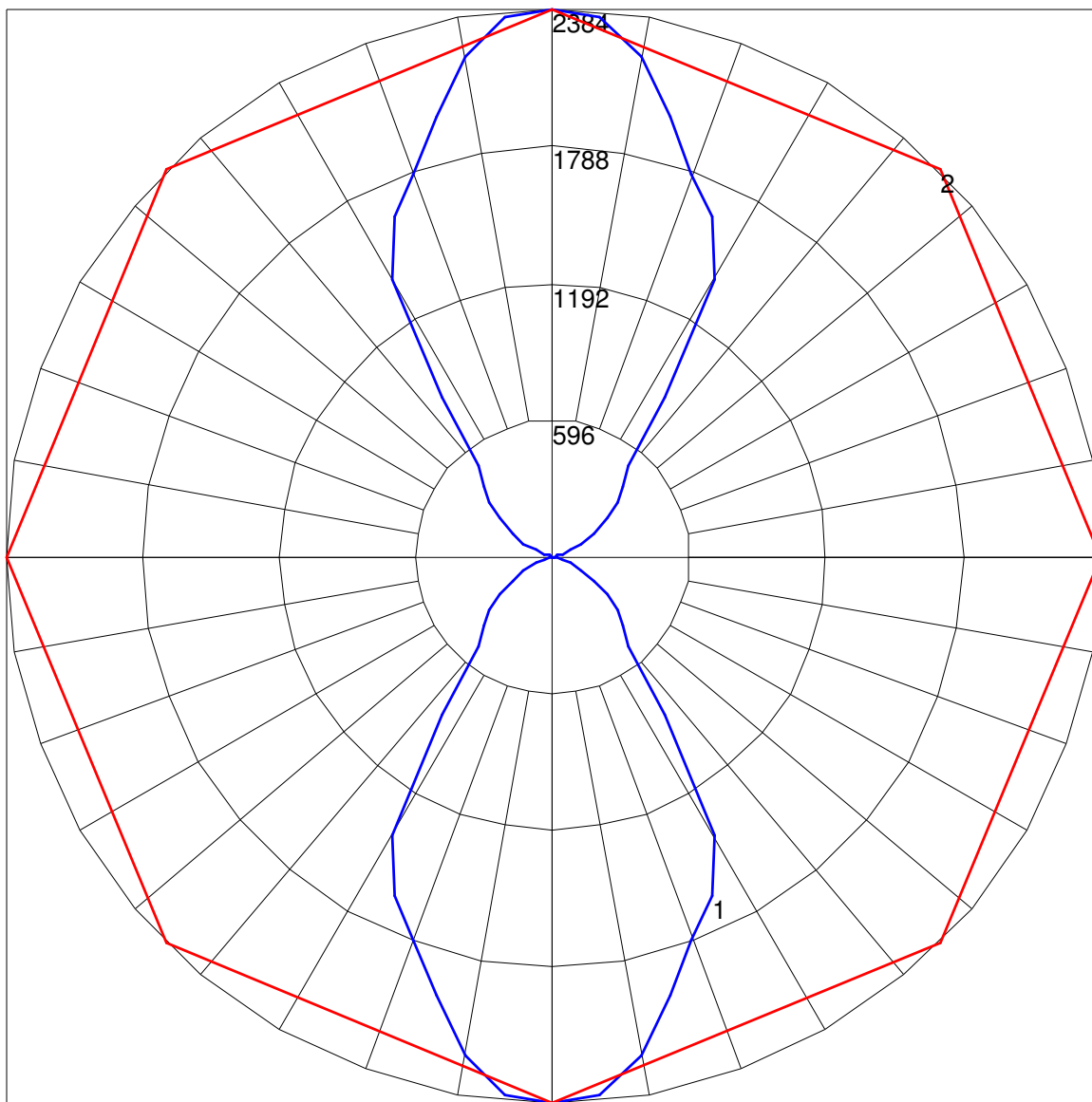
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1430.7	25.0
Downward House Side	1430.7	25.0
Downward Total	2861.4	50.0
Upward Street Side	1430.7	25.0
Upward House Side	1430.7	25.0
Upward Total	2861.4	50.0
Total Flux	5722.8	100.0

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POLAR GRAPH



Maximum Candela = 2383.972 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.)

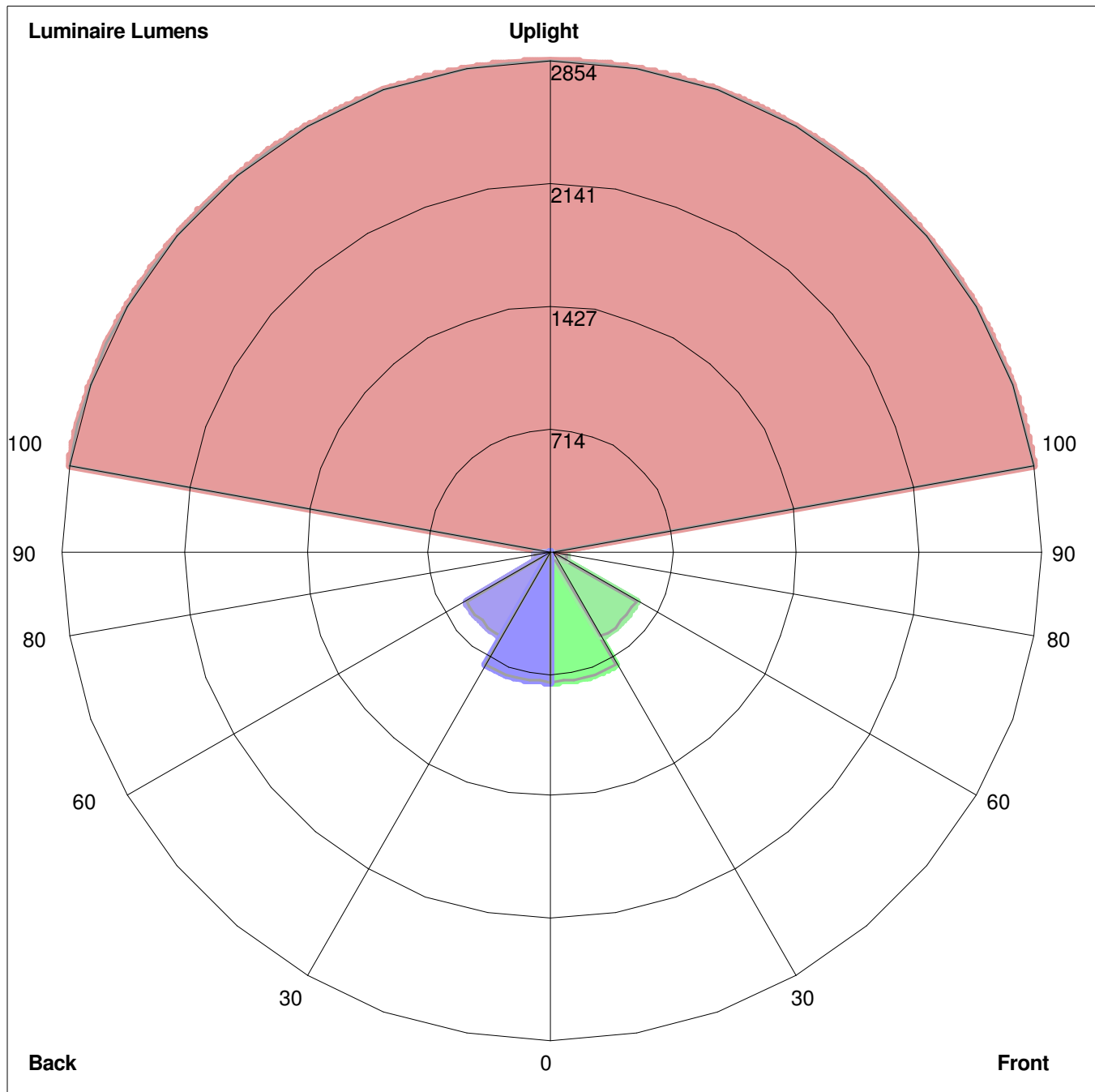
Distance In Units Of Mounting Height

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=759.6, Medium=574.2, High=93.4, Very High=3.5
Back: Low=759.6, Medium=574.2, High=93.4, Very High=3.5
Uplight: Low=6.9, High=2854.4

BUG Rating : B2-U5-G0