

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-930U-L10-930D-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-L10-930U-L10-930D-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	2054
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	855.539
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	855.539
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.569 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.303 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L10-930U-L10-930D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	272.6	N.A.	13.3
FM - Front-Medium (30-60)	206.1	N.A.	10.0
FH - Front-High (60-80)	33.5	N.A.	1.6
FVH - Front-Very High (80-90)	1.2	N.A.	0.1
BL - Back-Low (0-30)	272.6	N.A.	13.3
BM - Back-Medium (30-60)	206.1	N.A.	10.0
BH - Back-High (60-80)	33.5	N.A.	1.6
BVH - Back-Very High (80-90)	1.2	N.A.	0.1
UL - Uplight-Low (90-100)	2.5	N.A.	0.1
UH - Uplight-High (100-180)	1024.4	N.A.	49.9
Total	2053.7	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	855.539	855.539	855.539	855.539	855.539	855.539	855.539	855.539	855.539
5	846.724	846.258	844.754	846.258	846.724	846.258	844.754	846.258	846.724
10	793.936	792.754	791.993	792.754	793.936	792.754	791.993	792.754	793.936
15	710.896	712.887	712.174	712.887	710.896	712.887	712.174	712.887	710.896
20	637.826	639.159	639.374	639.159	637.826	639.159	639.374	639.159	637.826
25	586.535	584.997	585.302	584.997	586.535	584.997	585.302	584.997	586.535
30	503.159	496.780	498.096	496.780	503.159	496.780	498.096	496.780	503.159
35	302.381	302.566	305.344	302.566	302.381	302.566	305.344	302.566	302.381
40	184.025	186.167	187.417	186.167	184.025	186.167	187.417	186.167	184.025
45	155.699	155.850	155.411	155.850	155.699	155.850	155.411	155.850	155.699
50	129.887	129.928	129.634	129.928	129.887	129.928	129.634	129.928	129.887
55	102.883	102.753	102.270	102.753	102.883	102.753	102.270	102.753	102.883
60	74.605	74.417	73.968	74.417	74.605	74.417	73.968	74.417	74.605
65	49.763	49.626	49.434	49.626	49.763	49.626	49.434	49.626	49.763
70	29.512	29.512	29.508	29.512	29.512	29.512	29.508	29.512	29.512
75	14.605	14.636	14.646	14.636	14.605	14.636	14.646	14.636	14.605
80	5.235	5.286	5.303	5.286	5.235	5.286	5.303	5.286	5.235
85	1.689	1.692	1.679	1.692	1.689	1.692	1.679	1.692	1.689
90	0.445	0.500	0.569	0.500	0.445	0.500	0.569	0.500	0.445
95	1.689	1.692	1.679	1.692	1.689	1.692	1.679	1.692	1.689
100	5.235	5.286	5.303	5.286	5.235	5.286	5.303	5.286	5.235
105	14.605	14.636	14.646	14.636	14.605	14.636	14.646	14.636	14.605
110	29.512	29.512	29.508	29.512	29.512	29.512	29.508	29.512	29.512
115	49.763	49.626	49.434	49.626	49.763	49.626	49.434	49.626	49.763
120	74.605	74.417	73.968	74.417	74.605	74.417	73.968	74.417	74.605
125	102.883	102.753	102.270	102.753	102.883	102.753	102.270	102.753	102.883
130	129.887	129.928	129.634	129.928	129.887	129.928	129.634	129.928	129.887
135	155.699	155.850	155.411	155.850	155.699	155.850	155.411	155.850	155.699
140	184.025	186.167	187.417	186.167	184.025	186.167	187.417	186.167	184.025
145	302.381	302.566	305.344	302.566	302.381	302.566	305.344	302.566	302.381
150	503.159	496.780	498.096	496.780	503.159	496.780	498.096	496.780	503.159
155	586.535	584.997	585.302	584.997	586.535	584.997	585.302	584.997	586.535
160	637.826	639.159	639.374	639.159	637.826	639.159	639.374	639.159	637.826
165	710.896	712.887	712.174	712.887	710.896	712.887	712.174	712.887	710.896
170	793.936	792.754	791.993	792.754	793.936	792.754	791.993	792.754	793.936
175	846.724	846.258	844.754	846.258	846.724	846.258	844.754	846.258	846.724
180	855.478	855.478	855.478	855.478	855.478	855.478	855.478	855.478	855.478

COEFFICIENTS OF UTILIZATION



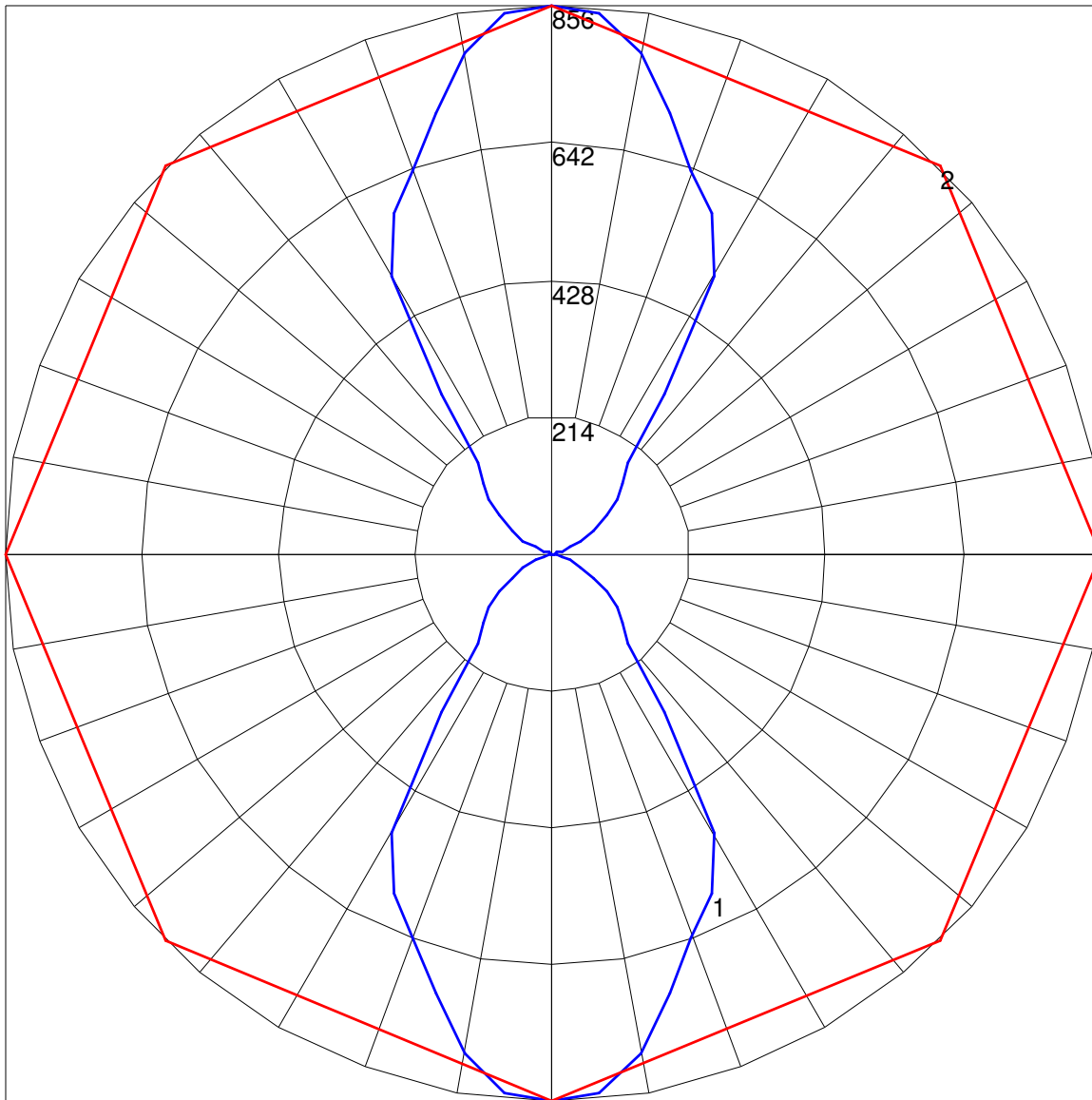
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	513.4	25.0
Downward House Side	513.4	25.0
Downward Total	1026.8	50.0
Upward Street Side	513.4	25.0
Upward House Side	513.4	25.0
Upward Total	1026.8	50.0
Total Flux	2053.6	100.0

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POLAR GRAPH



Maximum Candela = 855.539 Located At Horizontal Angle = 360, Vertical Angle = 0

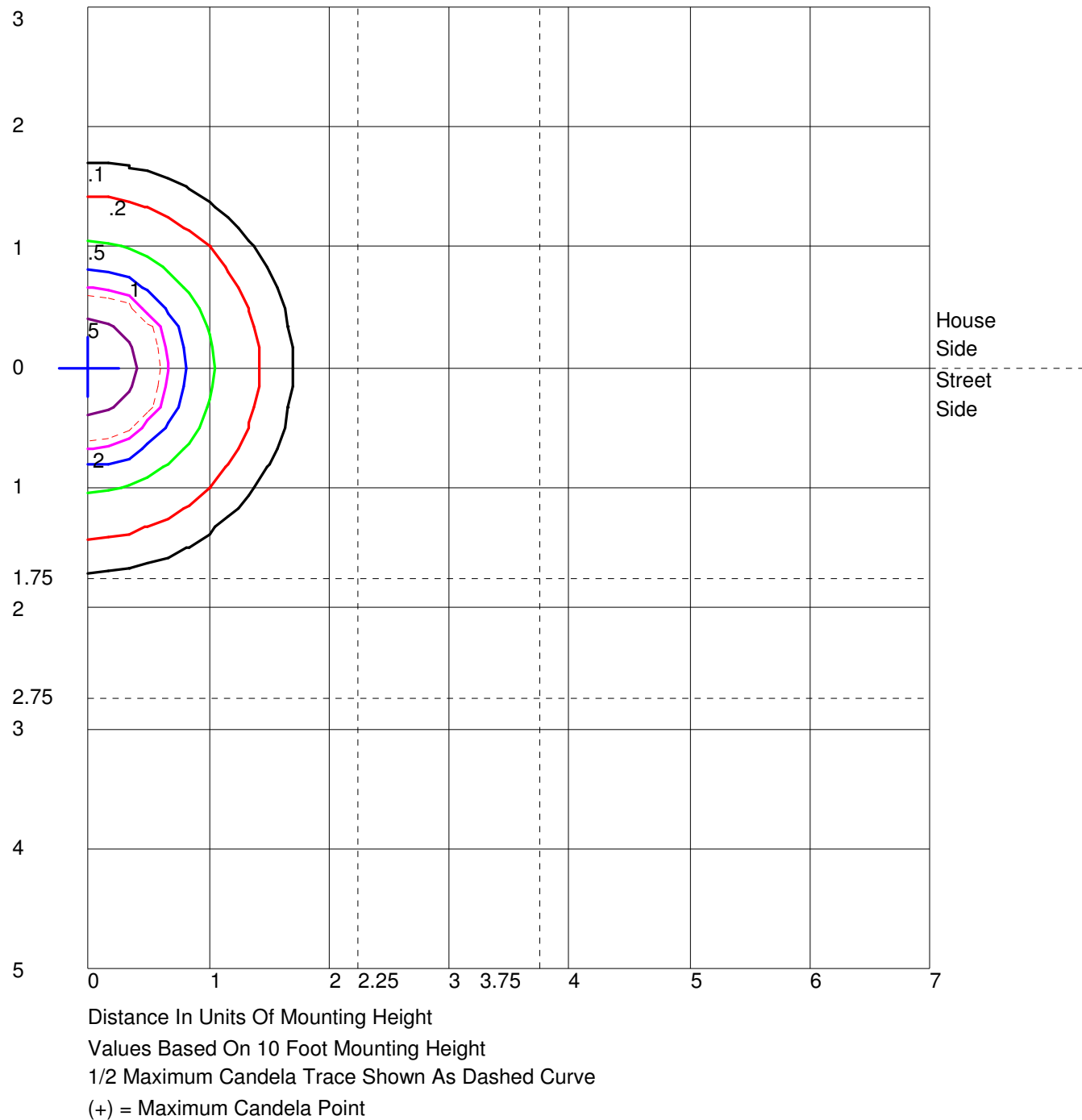
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

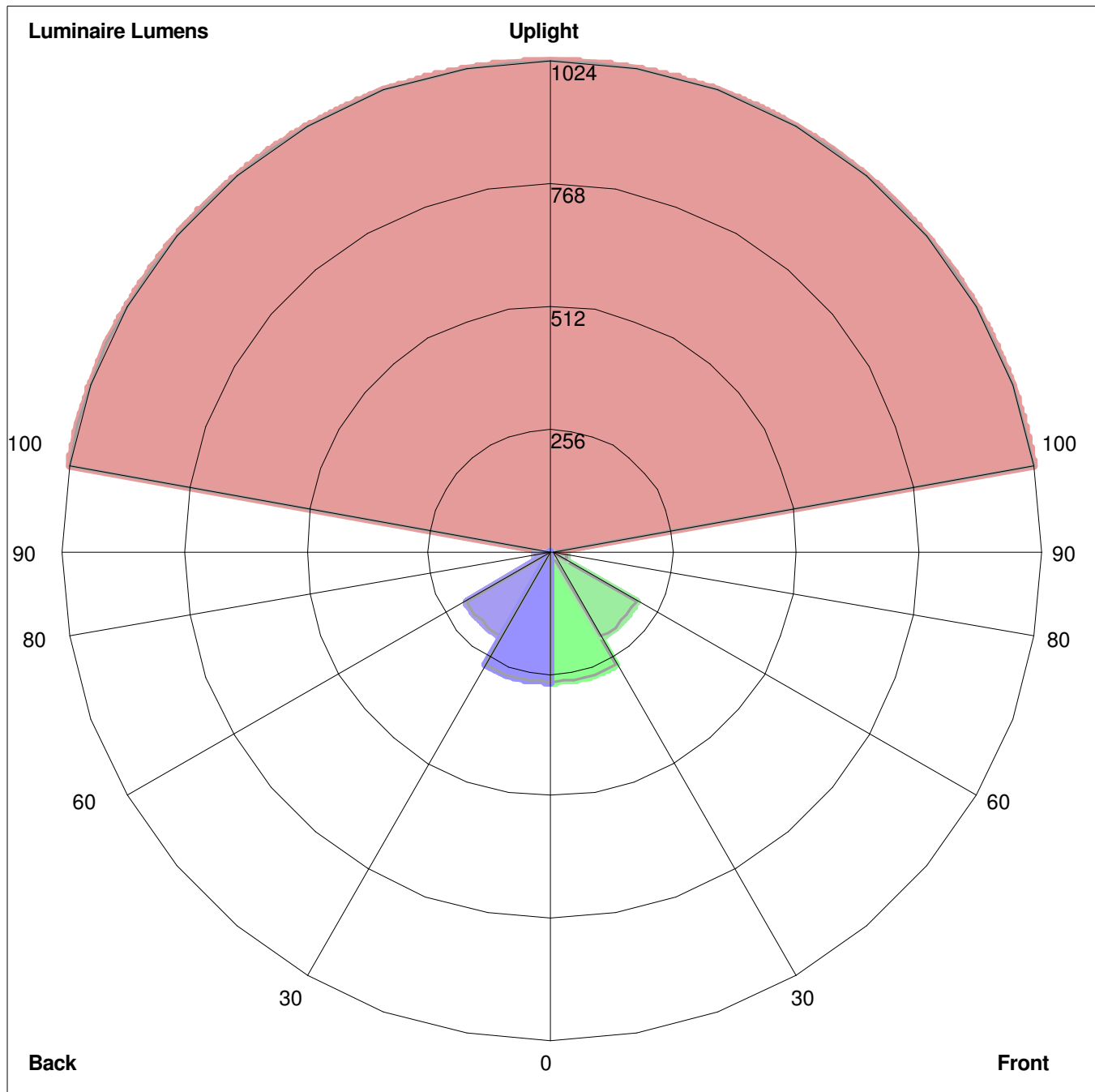
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=272.6, Medium=206.1, High=33.5, Very High=1.2
Back: Low=272.6, Medium=206.1, High=33.5, Very High=1.2
Uplight: Low=2.5, High=1024.4

BUG Rating : B1-U5-G0