

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-827U-L40-827D-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-L40-827U-L40-827D-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	7928
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3302.443
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3302.443
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.195 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	20.472 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-827U-L40-827D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1052.3	N.A.	13.3
FM - Front-Medium (30-60)	795.4	N.A.	10.0
FH - Front-High (60-80)	129.4	N.A.	1.6
FVH - Front-Very High (80-90)	4.8	N.A.	0.1
BL - Back-Low (0-30)	1052.3	N.A.	13.3
BM - Back-Medium (30-60)	795.4	N.A.	10.0
BH - Back-High (60-80)	129.4	N.A.	1.6
BVH - Back-Very High (80-90)	4.8	N.A.	0.1
UL - Uplight-Low (90-100)	9.6	N.A.	0.1
UH - Uplight-High (100-180)	3954.2	N.A.	49.9
Total	7927.6	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	3302.443	3302.443	3302.443	3302.443	3302.443	3302.443	3302.443	3302.443	3302.443
5	3268.416	3266.617	3260.812	3266.617	3268.416	3266.617	3260.812	3266.617	3268.416
10	3064.650	3060.087	3057.152	3060.087	3064.650	3060.087	3057.152	3060.087	3064.650
15	2744.110	2751.793	2749.043	2751.793	2744.110	2751.793	2749.043	2751.793	2744.110
20	2462.054	2467.198	2468.031	2467.198	2462.054	2467.198	2468.031	2467.198	2462.054
25	2264.067	2258.129	2259.306	2258.129	2264.067	2258.129	2259.306	2258.129	2264.067
30	1942.231	1917.606	1922.685	1917.606	1942.231	1917.606	1922.685	1917.606	1942.231
35	1167.211	1167.925	1178.650	1167.925	1167.211	1167.925	1178.650	1167.925	1167.211
40	710.351	718.616	723.443	718.616	710.351	718.616	723.443	718.616	710.351
45	601.009	601.591	599.898	601.591	601.009	601.591	599.898	601.591	601.009
50	501.374	501.533	500.396	501.533	501.374	501.533	500.396	501.533	501.374
55	397.137	396.635	394.770	396.635	397.137	396.635	394.770	396.635	397.137
60	287.981	287.253	285.521	287.253	287.981	287.253	285.521	287.253	287.981
65	192.089	191.560	190.819	191.560	192.089	191.560	190.819	191.560	192.089
70	113.917	113.917	113.904	113.917	113.917	113.917	113.904	113.917	113.917
75	56.377	56.496	56.536	56.496	56.377	56.496	56.536	56.496	56.377
80	20.207	20.406	20.472	20.406	20.207	20.406	20.472	20.406	20.207
85	6.520	6.533	6.480	6.533	6.520	6.533	6.480	6.533	6.520
90	1.719	1.931	2.195	1.931	1.719	1.931	2.195	1.931	1.719
95	6.520	6.533	6.480	6.533	6.520	6.533	6.480	6.533	6.520
100	20.207	20.406	20.472	20.406	20.207	20.406	20.472	20.406	20.207
105	56.377	56.496	56.536	56.496	56.377	56.496	56.536	56.496	56.377
110	113.917	113.917	113.904	113.917	113.917	113.917	113.904	113.917	113.917
115	192.089	191.560	190.819	191.560	192.089	191.560	190.819	191.560	192.089
120	287.981	287.253	285.521	287.253	287.981	287.253	285.521	287.253	287.981
125	397.137	396.635	394.770	396.635	397.137	396.635	394.770	396.635	397.137
130	501.374	501.533	500.396	501.533	501.374	501.533	500.396	501.533	501.374
135	601.009	601.591	599.898	601.591	601.009	601.591	599.898	601.591	601.009
140	710.351	718.616	723.443	718.616	710.351	718.616	723.443	718.616	710.351
145	1167.211	1167.925	1178.650	1167.925	1167.211	1167.925	1178.650	1167.925	1167.211
150	1942.231	1917.606	1922.685	1917.606	1942.231	1917.606	1922.685	1917.606	1942.231
155	2264.067	2258.129	2259.306	2258.129	2264.067	2258.129	2259.306	2258.129	2264.067
160	2462.054	2467.198	2468.031	2467.198	2462.054	2467.198	2468.031	2467.198	2462.054
165	2744.110	2751.793	2749.043	2751.793	2744.110	2751.793	2749.043	2751.793	2744.110
170	3064.650	3060.087	3057.152	3060.087	3064.650	3060.087	3057.152	3060.087	3064.650
175	3268.416	3266.617	3260.812	3266.617	3268.416	3266.617	3260.812	3266.617	3268.416
180	3302.205	3302.205	3302.205	3302.205	3302.205	3302.205	3302.205	3302.205	3302.205

COEFFICIENTS OF UTILIZATION



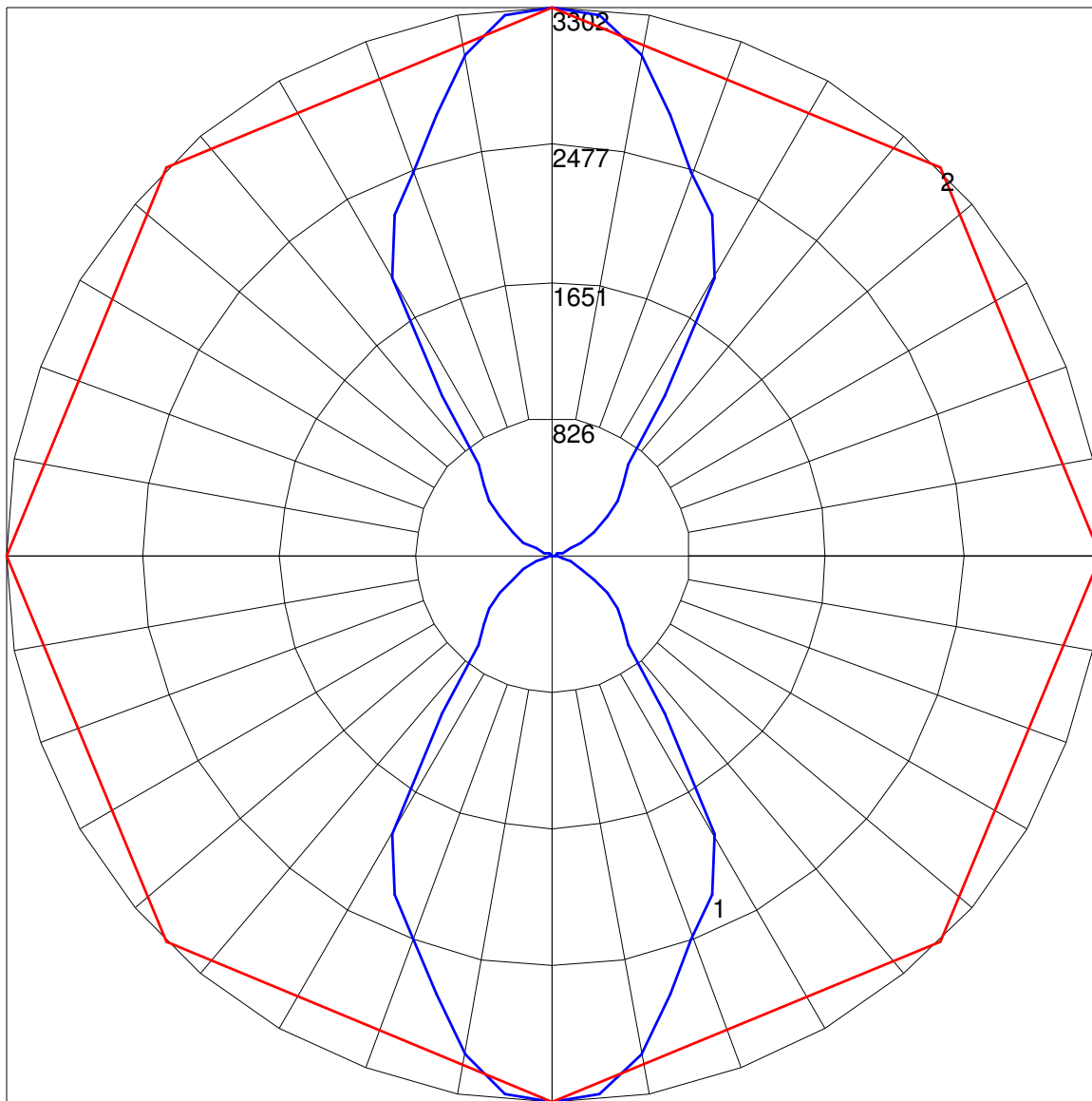
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1981.9	25.0
Downward House Side	1981.9	25.0
Downward Total	3963.8	50.0
Upward Street Side	1981.9	25.0
Upward House Side	1981.9	25.0
Upward Total	3963.8	50.0
Total Flux	7927.6	100.0

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POLAR GRAPH



Maximum Candela = 3302.443 Located At Horizontal Angle = 360, Vertical Angle = 0

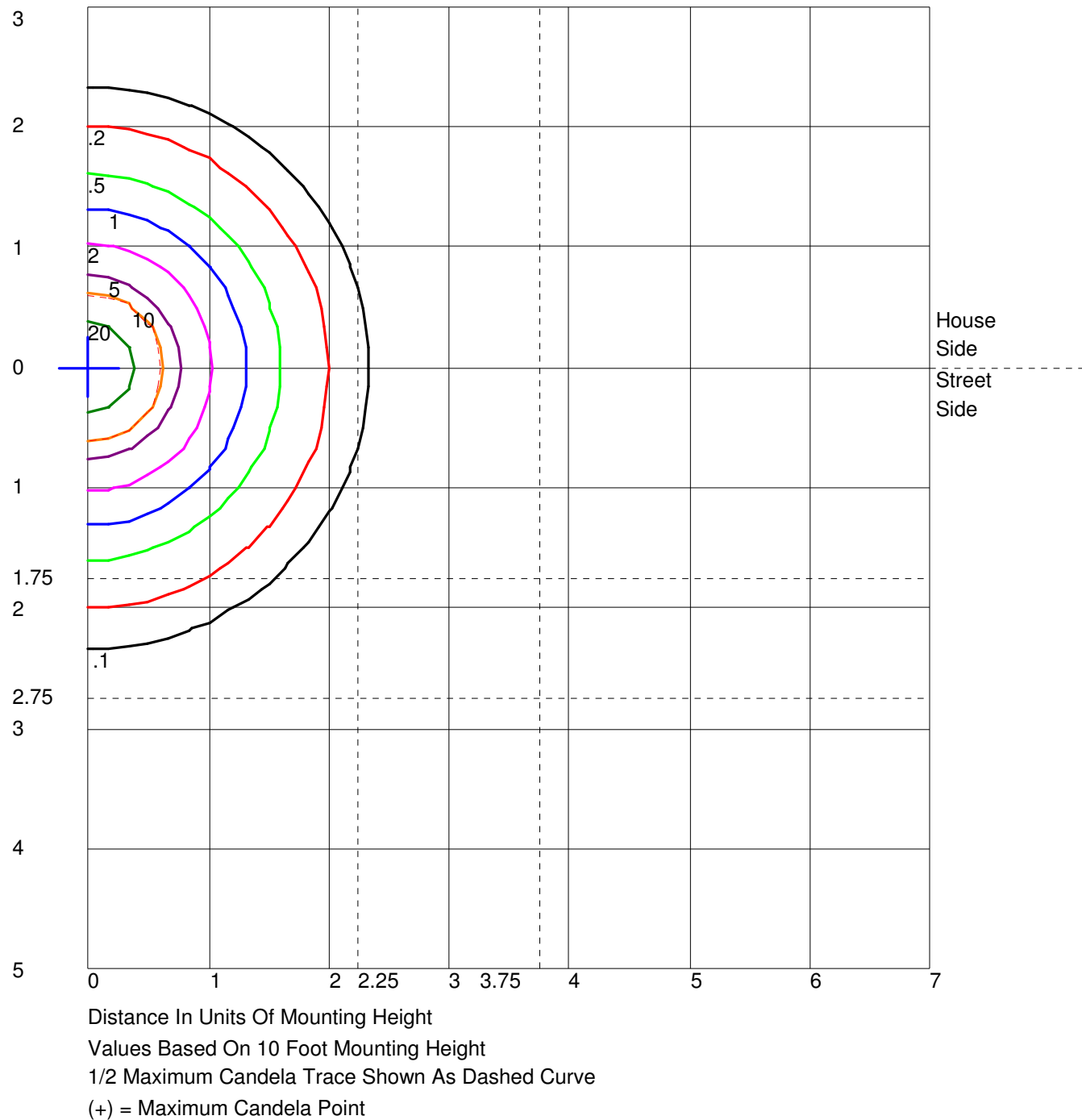
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

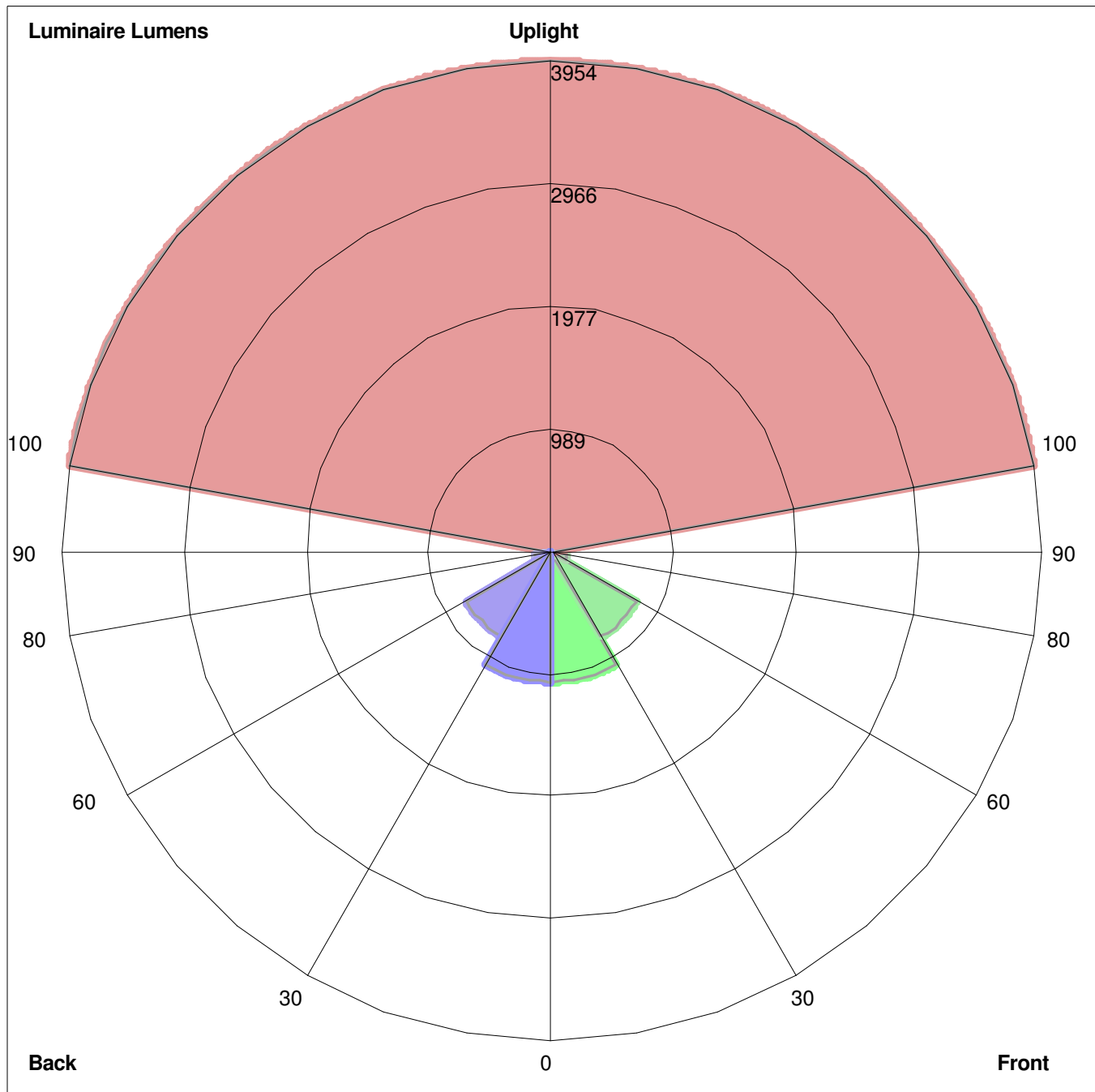
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1052.3, Medium=795.4, High=129.4, Very High=4.8
Back: Low=1052.3, Medium=795.4, High=129.4, Very High=4.8
Uplight: Low=9.6, High=3954.2

BUG Rating : B3-U5-G0