

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-830U-L40-830D-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-L40-830U-L40-830D-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	8089
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3369.839
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3369.839
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.24 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	20.89 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L40-830U-L40-830D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1073.7	N.A.	13.3
FM - Front-Medium (30-60)	811.7	N.A.	10.0
FH - Front-High (60-80)	132.0	N.A.	1.6
FVH - Front-Very High (80-90)	4.9	N.A.	0.1
BL - Back-Low (0-30)	1073.7	N.A.	13.3
BM - Back-Medium (30-60)	811.7	N.A.	10.0
BH - Back-High (60-80)	132.0	N.A.	1.6
BVH - Back-Very High (80-90)	4.9	N.A.	0.1
UL - Uplight-Low (90-100)	9.8	N.A.	0.1
UH - Uplight-High (100-180)	4034.9	N.A.	49.9
Total	8089.3	N.A.	100.0
BUG Rating	B3-U5-G0		

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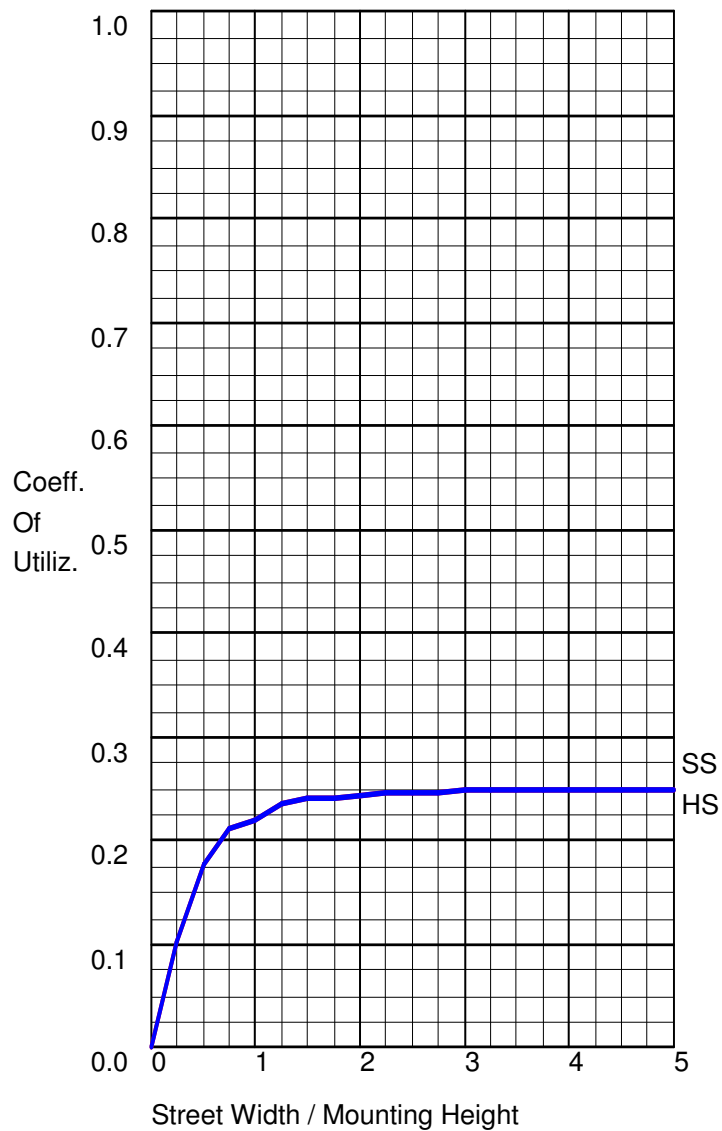
## CANDELA TABULATION

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	3369.839	3369.839	3369.839	3369.839	3369.839	3369.839	3369.839	3369.839	3369.839
5	3335.118	3333.283	3327.359	3333.283	3335.118	3333.283	3327.359	3333.283	3335.118
10	3127.193	3122.538	3119.542	3122.538	3127.193	3122.538	3119.542	3122.538	3127.193
15	2800.112	2807.952	2805.145	2807.952	2800.112	2807.952	2805.145	2807.952	2800.112
20	2512.299	2517.549	2518.399	2517.549	2512.299	2517.549	2518.399	2517.549	2512.299
25	2310.272	2304.213	2305.414	2304.213	2310.272	2304.213	2305.414	2304.213	2310.272
30	1981.868	1956.741	1961.923	1956.741	1981.868	1956.741	1961.923	1956.741	1981.868
35	1191.032	1191.760	1202.704	1191.760	1191.032	1191.760	1202.704	1191.760	1191.032
40	724.848	733.282	738.207	733.282	724.848	733.282	738.207	733.282	724.848
45	613.275	613.868	612.141	613.868	613.275	613.868	612.141	613.868	613.275
50	511.607	511.768	510.608	511.768	511.607	511.768	510.608	511.768	511.607
55	405.242	404.729	402.827	404.729	405.242	404.729	402.827	404.729	405.242
60	293.858	293.116	291.348	293.116	293.858	293.116	291.348	293.116	293.858
65	196.009	195.469	194.713	195.469	196.009	195.469	194.713	195.469	196.009
70	116.242	116.242	116.229	116.242	116.242	116.242	116.229	116.242	116.242
75	57.527	57.649	57.689	57.649	57.527	57.649	57.689	57.649	57.527
80	20.620	20.822	20.890	20.822	20.620	20.822	20.890	20.822	20.620
85	6.653	6.666	6.612	6.666	6.653	6.666	6.612	6.666	6.653
90	1.754	1.970	2.240	1.970	1.754	1.970	2.240	1.970	1.754
95	6.653	6.666	6.612	6.666	6.653	6.666	6.612	6.666	6.653
100	20.620	20.822	20.890	20.822	20.620	20.822	20.890	20.822	20.620
105	57.527	57.649	57.689	57.649	57.527	57.649	57.689	57.649	57.527
110	116.242	116.242	116.229	116.242	116.242	116.242	116.229	116.242	116.242
115	196.009	195.469	194.713	195.469	196.009	195.469	194.713	195.469	196.009
120	293.858	293.116	291.348	293.116	293.858	293.116	291.348	293.116	293.858
125	405.242	404.729	402.827	404.729	405.242	404.729	402.827	404.729	405.242
130	511.607	511.768	510.608	511.768	511.607	511.768	510.608	511.768	511.607
135	613.275	613.868	612.141	613.868	613.275	613.868	612.141	613.868	613.275
140	724.848	733.282	738.207	733.282	724.848	733.282	738.207	733.282	724.848
145	1191.032	1191.760	1202.704	1191.760	1191.032	1191.760	1202.704	1191.760	1191.032
150	1981.868	1956.741	1961.923	1956.741	1981.868	1956.741	1961.923	1956.741	1981.868
155	2310.272	2304.213	2305.414	2304.213	2310.272	2304.213	2305.414	2304.213	2310.272
160	2512.299	2517.549	2518.399	2517.549	2512.299	2517.549	2518.399	2517.549	2512.299
165	2800.112	2807.952	2805.145	2807.952	2800.112	2807.952	2805.145	2807.952	2800.112
170	3127.193	3122.538	3119.542	3122.538	3127.193	3122.538	3119.542	3122.538	3127.193
175	3335.118	3333.283	3327.359	3333.283	3335.118	3333.283	3327.359	3333.283	3335.118
180	3369.597	3369.597	3369.597	3369.597	3369.597	3369.597	3369.597	3369.597	3369.597

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### COEFFICIENTS OF UTILIZATION



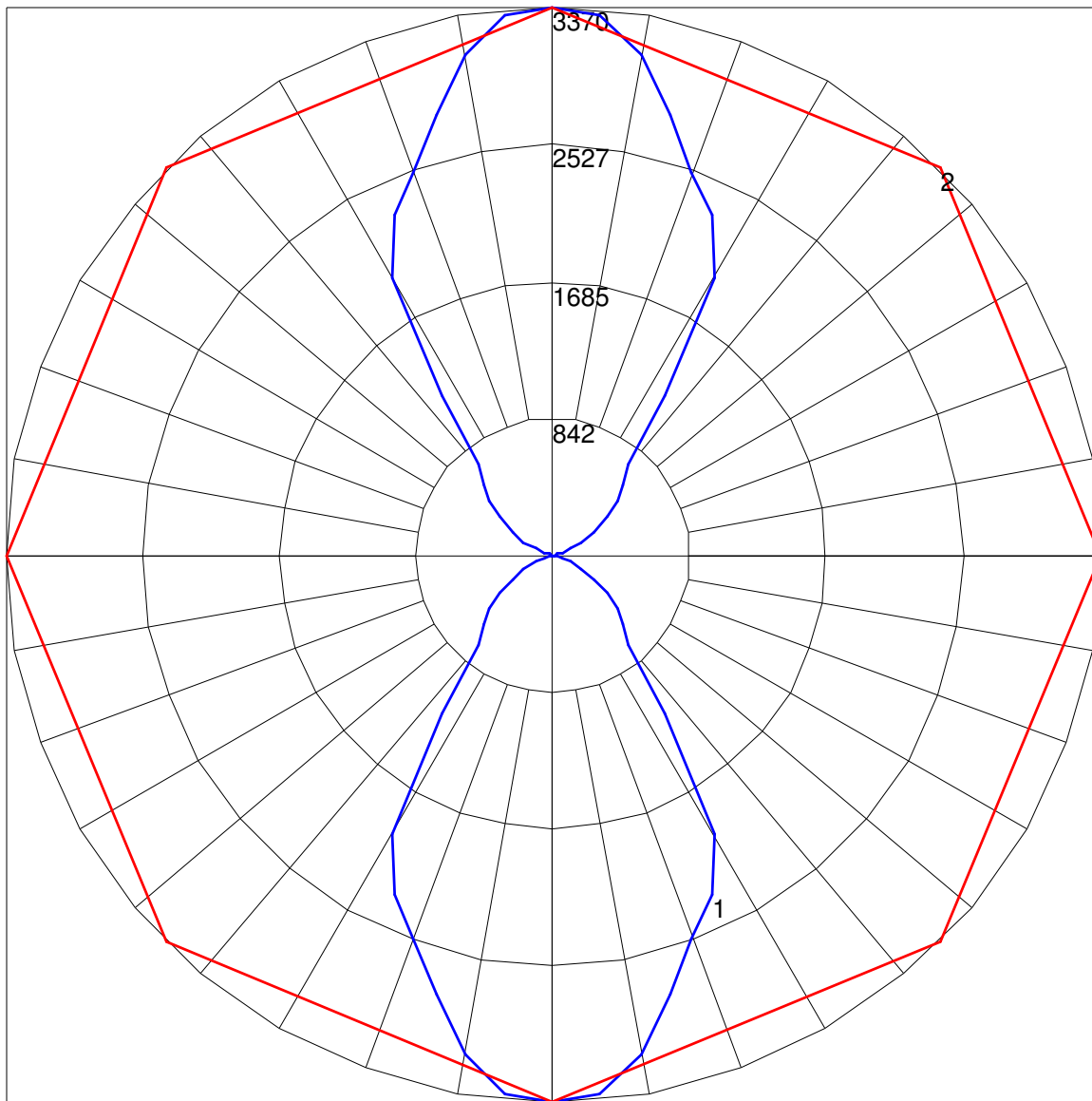
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2022.3	25.0
Downward House Side	2022.3	25.0
Downward Total	4044.6	50.0
Upward Street Side	2022.3	25.0
Upward House Side	2022.3	25.0
Upward Total	4044.6	50.0
Total Flux	8089.2	100.0

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## POLAR GRAPH



Maximum Candela = 3369.839 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.)

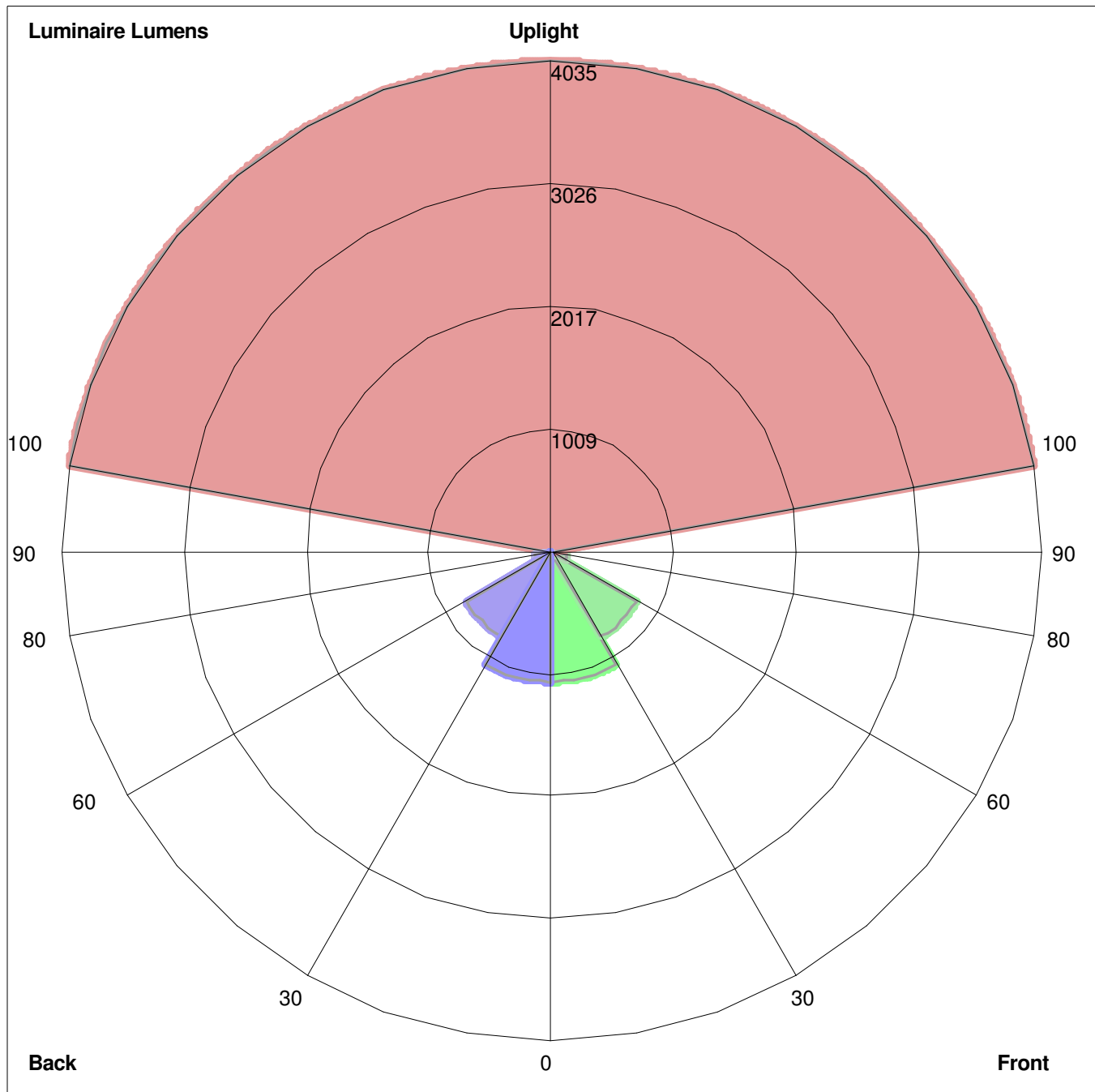
Distance In Units Of Mounting Height

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=1073.7, Medium=811.7, High=132.0, Very High=4.9  
Back: Low=1073.7, Medium=811.7, High=132.0, Very High=4.9  
Uplight: Low=9.8, High=4034.9

BUG Rating : B3-U5-G0