

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-930U-L40-930D-XXX-DIM-UNV-M-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR\_Angela-W\_(V18)\_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-06

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L40-930U-L40-930D-xxx-DIM-UNV-M-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] CYLINDER WITH MEDIUM DIST.

[LAMPCAT] BL VERO

[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	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7001
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7327.119
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7327.119
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.527 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.959 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L40-930U-L40-930D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1458.5	N.A.	20.8
FM - Front-Medium (30-60)	272.4	N.A.	3.9
FH - Front-High (60-80)	18.2	N.A.	0.3
FVH - Front-Very High (80-90)	1.2	N.A.	0.0
BL - Back-Low (0-30)	1458.5	N.A.	20.8
BM - Back-Medium (30-60)	272.4	N.A.	3.9
BH - Back-High (60-80)	18.2	N.A.	0.3
BVH - Back-Very High (80-90)	1.2	N.A.	0.0
UL - Uplight-Low (90-100)	2.4	N.A.	0.0
UH - Uplight-High (100-180)	3498.2	N.A.	50.0
Total	7001.2	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	7327.119	7327.119	7327.119	7327.119	7327.119	7327.119	7327.119	7327.119	7327.119
5	7280.928	7234.152	7185.233	7234.152	7280.928	7234.152	7185.233	7234.152	7280.928
10	6349.453	6309.175	6253.014	6309.175	6349.453	6309.175	6253.014	6309.175	6349.453
15	4631.737	4661.794	4659.525	4661.794	4631.737	4661.794	4659.525	4661.794	4631.737
20	3049.089	3070.862	3085.174	3070.862	3049.089	3070.862	3085.174	3070.862	3049.089
25	2043.715	2049.731	2059.323	2049.731	2043.715	2049.731	2059.323	2049.731	2043.715
30	1400.758	1380.040	1390.983	1380.040	1400.758	1380.040	1390.983	1380.040	1400.758
35	598.450	600.181	612.453	600.181	598.450	600.181	612.453	600.181	598.450
40	169.594	175.805	183.334	175.805	169.594	175.805	183.334	175.805	169.594
45	92.727	94.056	93.002	94.056	92.727	94.056	93.002	94.056	92.727
50	61.787	62.521	61.260	62.521	61.787	62.521	61.260	62.521	61.787
55	43.441	43.648	42.800	43.648	43.441	43.648	42.800	43.648	43.441
60	31.799	31.776	31.364	31.776	31.799	31.776	31.364	31.776	31.799
65	24.270	24.121	23.755	24.121	24.270	24.121	23.755	24.121	24.270
70	17.911	17.739	17.383	17.739	17.911	17.739	17.383	17.739	17.911
75	11.768	11.631	11.425	11.631	11.768	11.631	11.425	11.631	11.768
80	5.947	5.959	5.924	5.959	5.947	5.959	5.924	5.959	5.947
85	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157
90	0.435	0.504	0.527	0.504	0.435	0.504	0.527	0.504	0.435
95	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157
100	5.947	5.959	5.924	5.959	5.947	5.959	5.924	5.959	5.947
105	11.768	11.631	11.425	11.631	11.768	11.631	11.425	11.631	11.768
110	17.911	17.739	17.383	17.739	17.911	17.739	17.383	17.739	17.911
115	24.270	24.121	23.755	24.121	24.270	24.121	23.755	24.121	24.270
120	31.799	31.776	31.364	31.776	31.799	31.776	31.364	31.776	31.799
125	43.441	43.648	42.800	43.648	43.441	43.648	42.800	43.648	43.441
130	61.787	62.521	61.260	62.521	61.787	62.521	61.260	62.521	61.787
135	92.727	94.056	93.002	94.056	92.727	94.056	93.002	94.056	92.727
140	169.594	175.805	183.334	175.805	169.594	175.805	183.334	175.805	169.594
145	598.450	600.181	612.453	600.181	598.450	600.181	612.453	600.181	598.450
150	1400.758	1380.040	1390.983	1380.040	1400.758	1380.040	1390.983	1380.040	1400.758
155	2043.715	2049.731	2059.323	2049.731	2043.715	2049.731	2059.323	2049.731	2043.715
160	3049.089	3070.862	3085.174	3070.862	3049.089	3070.862	3085.174	3070.862	3049.089
165	4631.737	4661.794	4659.525	4661.794	4631.737	4661.794	4659.525	4661.794	4631.737
170	6349.453	6309.175	6253.014	6309.175	6349.453	6309.175	6253.014	6309.175	6349.453
175	7280.928	7234.152	7185.233	7234.152	7280.928	7234.152	7185.233	7234.152	7280.928
180	7326.936	7326.936	7326.936	7326.936	7326.936	7326.936	7326.936	7326.936	7326.936

COEFFICIENTS OF UTILIZATION



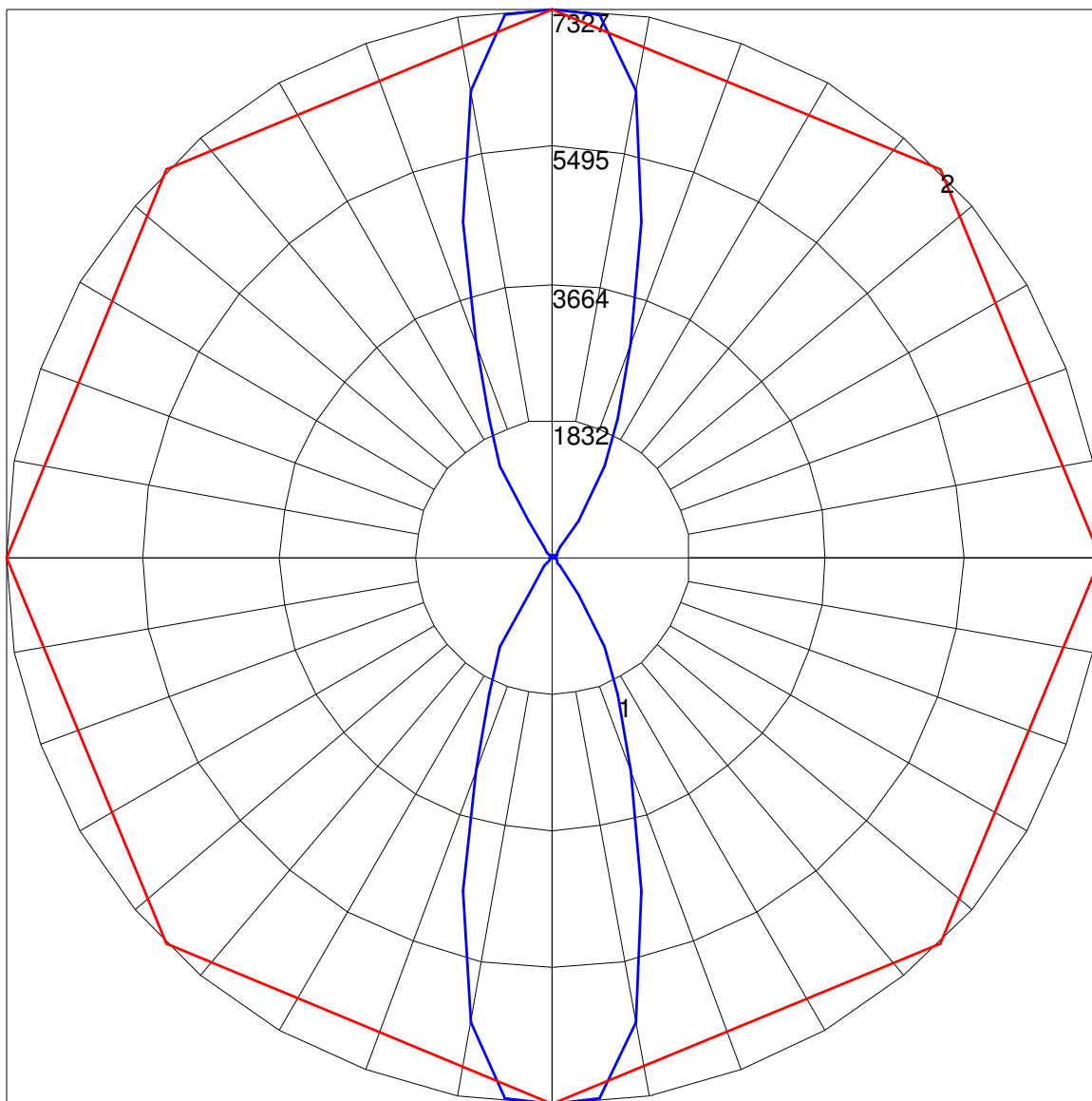
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1750.3	25.0
Downward House Side	1750.3	25.0
Downward Total	3500.6	50.0
Upward Street Side	1750.3	25.0
Upward House Side	1750.3	25.0
Upward Total	3500.6	50.0
Total Flux	7001.2	100.0

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## POLAR GRAPH

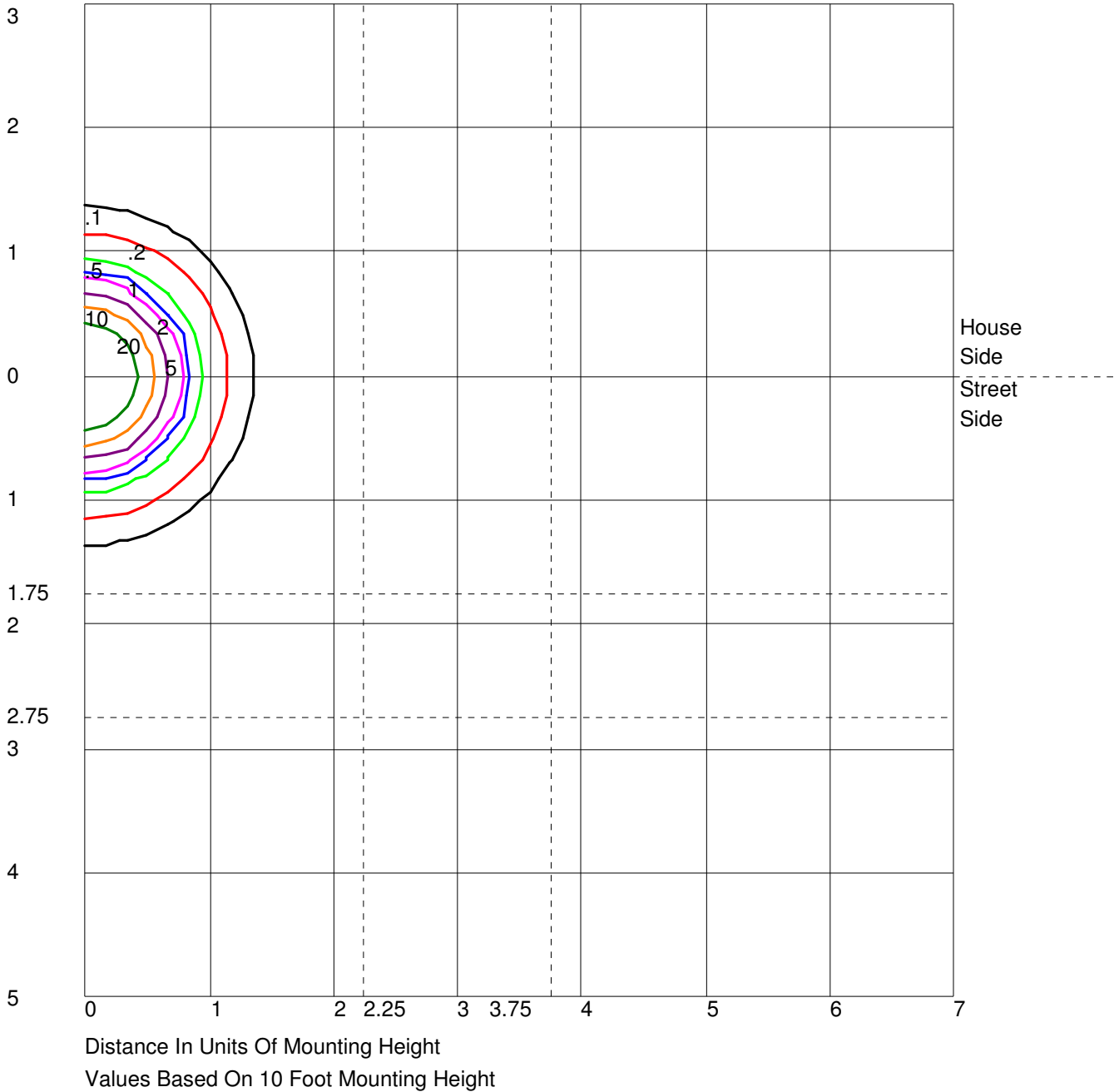


Maximum Candela = 7327.119 Located At Horizontal Angle = 360, Vertical Angle = 0

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

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



# PHOTO LUMENS

