

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-940U-L30-940D-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-L30-940U-L30-940D-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	5443
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5696.809
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5696.809
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.41 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.633 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L30-940U-L30-940D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1134.0	N.A.	20.8
FM - Front-Medium (30-60)	211.8	N.A.	3.9
FH - Front-High (60-80)	14.2	N.A.	0.3
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1134.0	N.A.	20.8
BM - Back-Medium (30-60)	211.8	N.A.	3.9
BH - Back-High (60-80)	14.2	N.A.	0.3
BVH - Back-Very High (80-90)	0.9	N.A.	0.0
UL - Uplight-Low (90-100)	1.9	N.A.	0.0
UH - Uplight-High (100-180)	2719.9	N.A.	50.0
Total	5443.6	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	5696.809	5696.809	5696.809	5696.809	5696.809	5696.809	5696.809	5696.809	5696.809
5	5660.895	5624.527	5586.493	5624.527	5660.895	5624.527	5586.493	5624.527	5660.895
10	4936.677	4905.361	4861.696	4905.361	4936.677	4905.361	4861.696	4905.361	4936.677
15	3601.159	3624.529	3622.765	3624.529	3601.159	3624.529	3622.765	3624.529	3601.159
20	2370.656	2387.584	2398.712	2387.584	2370.656	2387.584	2398.712	2387.584	2370.656
25	1588.982	1593.659	1601.116	1593.659	1588.982	1593.659	1601.116	1593.659	1588.982
30	1089.084	1072.976	1081.485	1072.976	1089.084	1072.976	1081.485	1072.976	1089.084
35	465.293	466.638	476.180	466.638	465.293	466.638	476.180	466.638	465.293
40	131.859	136.688	142.541	136.688	131.859	136.688	142.541	136.688	131.859
45	72.095	73.128	72.309	73.128	72.095	73.128	72.309	73.128	72.095
50	48.039	48.610	47.630	48.610	48.039	48.610	47.630	48.610	48.039
55	33.776	33.936	33.277	33.936	33.776	33.936	33.277	33.936	33.776
60	24.724	24.706	24.385	24.706	24.724	24.706	24.385	24.706	24.724
65	18.870	18.754	18.469	18.754	18.870	18.754	18.469	18.754	18.870
70	13.925	13.792	13.516	13.792	13.925	13.792	13.516	13.792	13.925
75	9.150	9.043	8.883	9.043	9.150	9.043	8.883	9.043	9.150
80	4.624	4.633	4.606	4.633	4.624	4.633	4.606	4.633	4.624
85	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
90	0.339	0.392	0.410	0.392	0.339	0.392	0.410	0.392	0.339
95	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
100	4.624	4.633	4.606	4.633	4.624	4.633	4.606	4.633	4.624
105	9.150	9.043	8.883	9.043	9.150	9.043	8.883	9.043	9.150
110	13.925	13.792	13.516	13.792	13.925	13.792	13.516	13.792	13.925
115	18.870	18.754	18.469	18.754	18.870	18.754	18.469	18.754	18.870
120	24.724	24.706	24.385	24.706	24.724	24.706	24.385	24.706	24.724
125	33.776	33.936	33.277	33.936	33.776	33.936	33.277	33.936	33.776
130	48.039	48.610	47.630	48.610	48.039	48.610	47.630	48.610	48.039
135	72.095	73.128	72.309	73.128	72.095	73.128	72.309	73.128	72.095
140	131.859	136.688	142.541	136.688	131.859	136.688	142.541	136.688	131.859
145	465.293	466.638	476.180	466.638	465.293	466.638	476.180	466.638	465.293
150	1089.084	1072.976	1081.485	1072.976	1089.084	1072.976	1081.485	1072.976	1089.084
155	1588.982	1593.659	1601.116	1593.659	1588.982	1593.659	1601.116	1593.659	1588.982
160	2370.656	2387.584	2398.712	2387.584	2370.656	2387.584	2398.712	2387.584	2370.656
165	3601.159	3624.529	3622.765	3624.529	3601.159	3624.529	3622.765	3624.529	3601.159
170	4936.677	4905.361	4861.696	4905.361	4936.677	4905.361	4861.696	4905.361	4936.677
175	5660.895	5624.527	5586.493	5624.527	5660.895	5624.527	5586.493	5624.527	5660.895
180	5696.667	5696.667	5696.667	5696.667	5696.667	5696.667	5696.667	5696.667	5696.667

COEFFICIENTS OF UTILIZATION



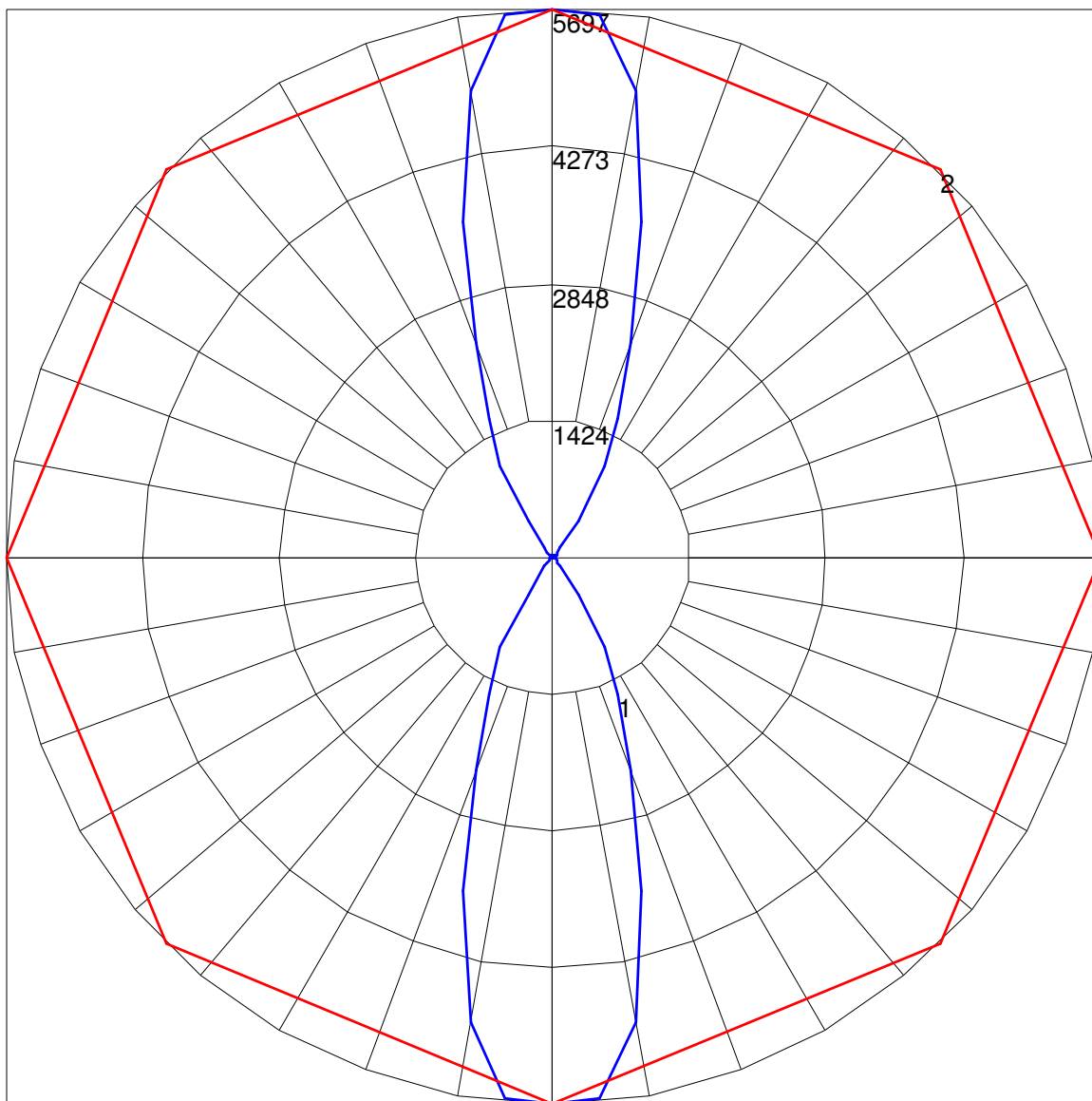
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1360.9	25.0
Downward House Side	1360.9	25.0
Downward Total	2721.8	50.0
Upward Street Side	1360.9	25.0
Upward House Side	1360.9	25.0
Upward Total	2721.8	50.0
Total Flux	5443.6	100.0

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## POLAR GRAPH

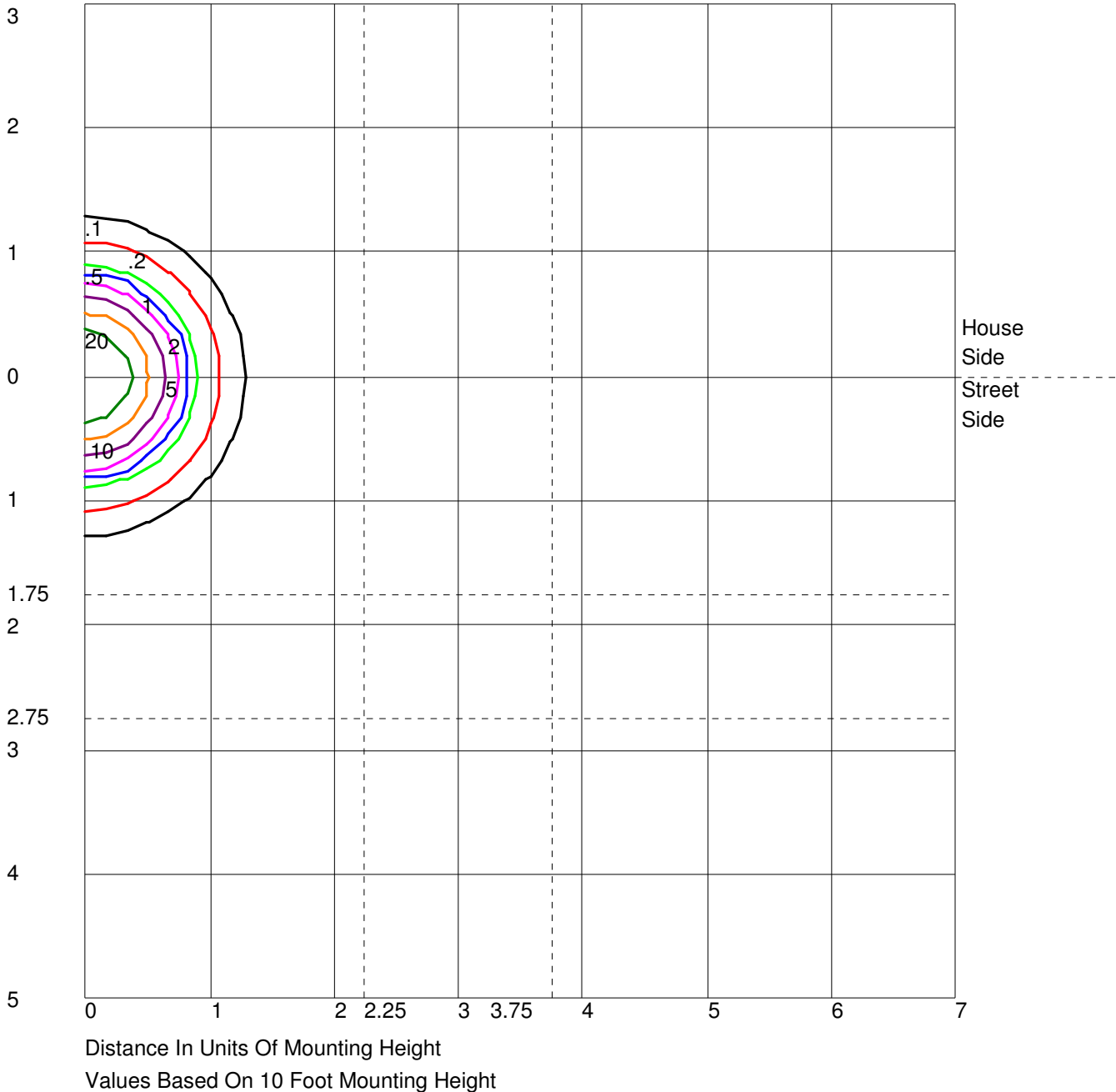


Maximum Candela = 5696.809 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

