

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-850U-L30-850D-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-L30-850U-L30-850D-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	5556
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5814.269
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5814.269
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.418 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.728 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L30-850U-L30-850D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1157.4	N.A.	20.8
FM - Front-Medium (30-60)	216.1	N.A.	3.9
FH - Front-High (60-80)	14.5	N.A.	0.3
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1157.4	N.A.	20.8
BM - Back-Medium (30-60)	216.1	N.A.	3.9
BH - Back-High (60-80)	14.5	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)	2776.0	N.A.	50.0
Total	5555.7	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	5814.269	5814.269	5814.269	5814.269	5814.269	5814.269	5814.269	5814.269	5814.269
5	5777.615	5740.497	5701.679	5740.497	5777.615	5740.497	5701.679	5740.497	5777.615
10	5038.465	5006.503	4961.937	5006.503	5038.465	5006.503	4961.937	5006.503	5038.465
15	3675.410	3699.261	3697.461	3699.261	3675.410	3699.261	3697.461	3699.261	3675.410
20	2419.536	2436.813	2448.170	2436.813	2419.536	2436.813	2448.170	2436.813	2419.536
25	1621.744	1626.518	1634.129	1626.518	1621.744	1626.518	1634.129	1626.518	1621.744
30	1111.540	1095.099	1103.783	1095.099	1111.540	1095.099	1103.783	1095.099	1111.540
35	474.887	476.260	485.999	476.260	474.887	476.260	485.999	476.260	474.887
40	134.578	139.506	145.480	139.506	134.578	139.506	145.480	139.506	134.578
45	73.581	74.636	73.800	74.636	73.581	74.636	73.800	74.636	73.581
50	49.030	49.612	48.612	49.612	49.030	49.612	48.612	49.612	49.030
55	34.472	34.636	33.963	34.636	34.472	34.636	33.963	34.636	34.472
60	25.233	25.215	24.888	25.215	25.233	25.215	24.888	25.215	25.233
65	19.259	19.141	18.850	19.141	19.259	19.141	18.850	19.141	19.259
70	14.213	14.076	13.794	14.076	14.213	14.076	13.794	14.076	14.213
75	9.339	9.229	9.066	9.229	9.339	9.229	9.066	9.229	9.339
80	4.719	4.728	4.701	4.728	4.719	4.728	4.701	4.728	4.719
85	0.918	0.918	0.918	0.918	0.918	0.918	0.918	0.918	0.918
90	0.346	0.400	0.418	0.400	0.346	0.400	0.418	0.400	0.346
95	0.918	0.918	0.918	0.918	0.918	0.918	0.918	0.918	0.918
100	4.719	4.728	4.701	4.728	4.719	4.728	4.701	4.728	4.719
105	9.339	9.229	9.066	9.229	9.339	9.229	9.066	9.229	9.339
110	14.213	14.076	13.794	14.076	14.213	14.076	13.794	14.076	14.213
115	19.259	19.141	18.850	19.141	19.259	19.141	18.850	19.141	19.259
120	25.233	25.215	24.888	25.215	25.233	25.215	24.888	25.215	25.233
125	34.472	34.636	33.963	34.636	34.472	34.636	33.963	34.636	34.472
130	49.030	49.612	48.612	49.612	49.030	49.612	48.612	49.612	49.030
135	73.581	74.636	73.800	74.636	73.581	74.636	73.800	74.636	73.581
140	134.578	139.506	145.480	139.506	134.578	139.506	145.480	139.506	134.578
145	474.887	476.260	485.999	476.260	474.887	476.260	485.999	476.260	474.887
150	1111.540	1095.099	1103.783	1095.099	1111.540	1095.099	1103.783	1095.099	1111.540
155	1621.744	1626.518	1634.129	1626.518	1621.744	1626.518	1634.129	1626.518	1621.744
160	2419.536	2436.813	2448.170	2436.813	2419.536	2436.813	2448.170	2436.813	2419.536
165	3675.410	3699.261	3697.461	3699.261	3675.410	3699.261	3697.461	3699.261	3675.410
170	5038.465	5006.503	4961.937	5006.503	5038.465	5006.503	4961.937	5006.503	5038.465
175	5777.615	5740.497	5701.679	5740.497	5777.615	5740.497	5701.679	5740.497	5777.615
180	5814.124	5814.124	5814.124	5814.124	5814.124	5814.124	5814.124	5814.124	5814.124

COEFFICIENTS OF UTILIZATION



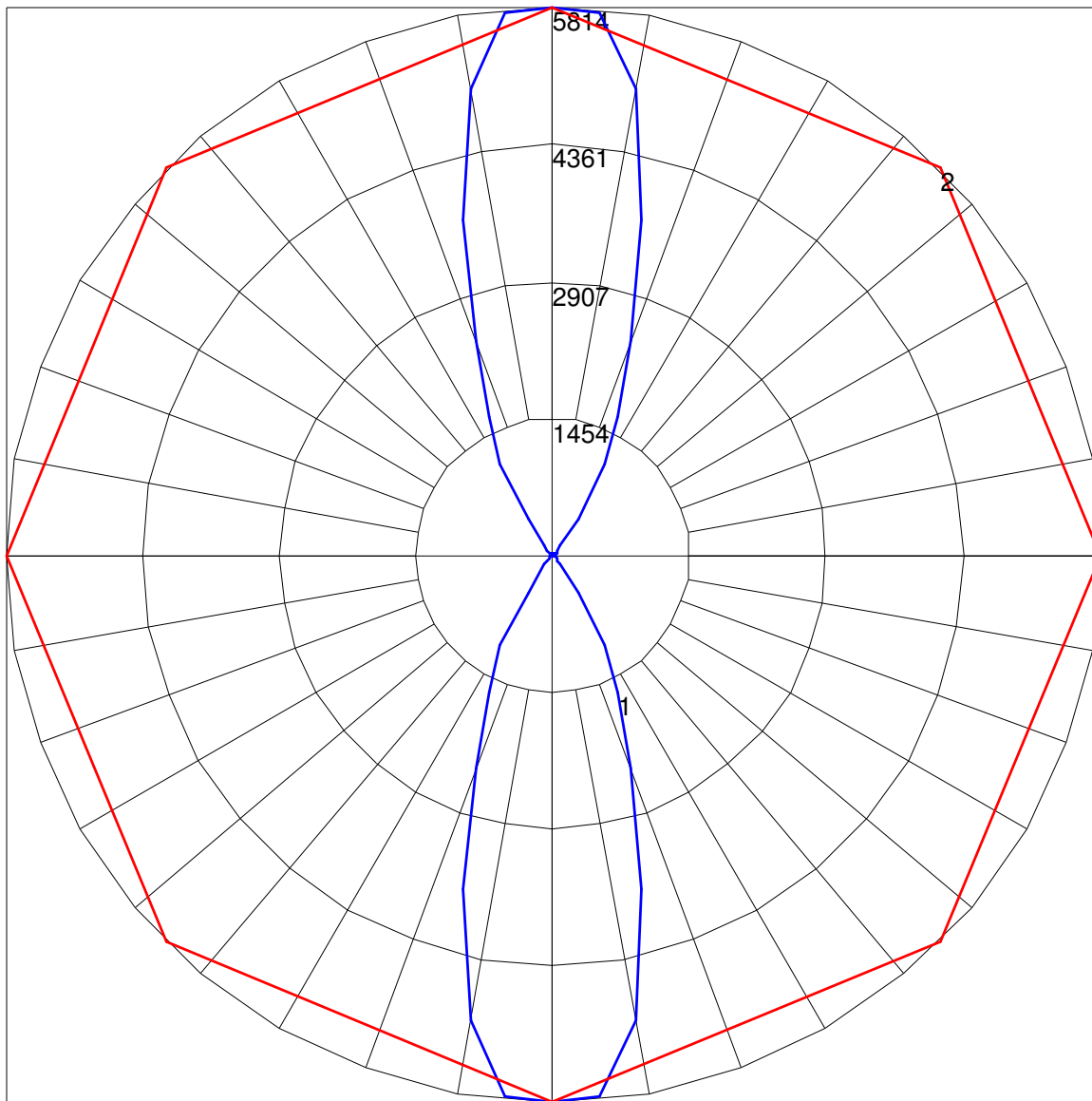
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1388.9	25.0
Downward House Side	1388.9	25.0
Downward Total	2777.8	50.0
Upward Street Side	1388.9	25.0
Upward House Side	1388.9	25.0
Upward Total	2777.8	50.0
Total Flux	5555.6	100.0

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## POLAR GRAPH

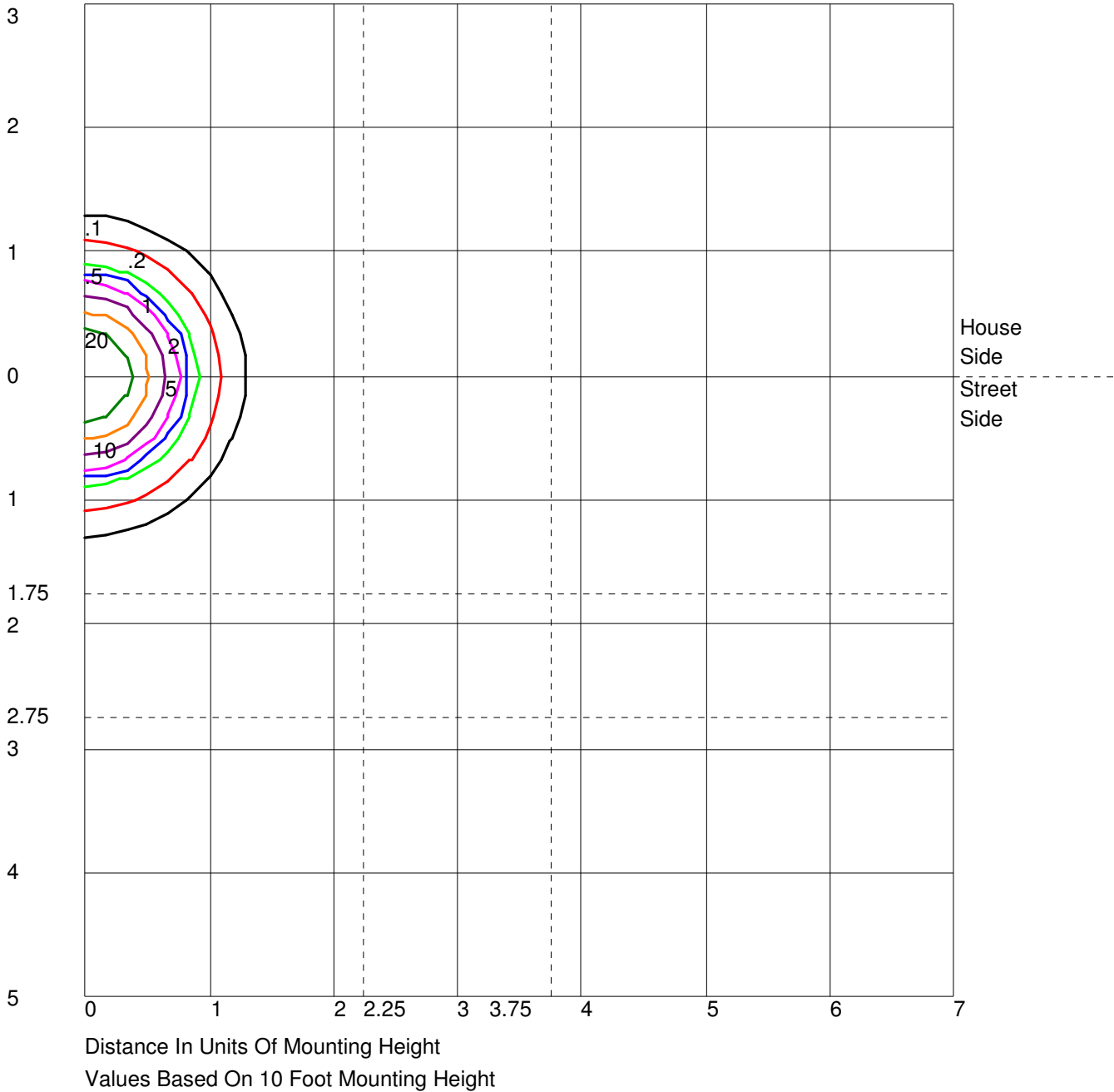


Maximum Candela = 5814.269 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

