

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-850U-L10-850D-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-L10-850U-L10-850D-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	1952
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2043.076
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2043.076
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.147 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.662 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	406.7	N.A.	20.8
FM - Front-Medium (30-60)	75.9	N.A.	3.9
FH - Front-High (60-80)	5.1	N.A.	0.3
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	406.7	N.A.	20.8
BM - Back-Medium (30-60)	75.9	N.A.	3.9
BH - Back-High (60-80)	5.1	N.A.	0.3
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.7	N.A.	0.0
UH - Uplight-High (100-180)	975.4	N.A.	50.0
Total	1952.1	N.A.	100.0
BUG Rating	B1-U4-G0		

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-M-XX\_.IES

## 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	2043.076	2043.076	2043.076	2043.076	2043.076	2043.076	2043.076	2043.076	2043.076
5	2030.196	2017.153	2003.512	2017.153	2030.196	2017.153	2003.512	2017.153	2030.196
10	1770.466	1759.234	1743.575	1759.234	1770.466	1759.234	1743.575	1759.234	1770.466
15	1291.502	1299.883	1299.250	1299.883	1291.502	1299.883	1299.250	1299.883	1291.502
20	850.200	856.271	860.262	856.271	850.200	856.271	860.262	856.271	850.200
25	569.864	571.542	574.216	571.542	569.864	571.542	574.216	571.542	569.864
30	390.584	384.807	387.858	384.807	390.584	384.807	387.858	384.807	390.584
35	166.870	167.353	170.775	167.353	166.870	167.353	170.775	167.353	166.870
40	47.289	49.021	51.120	49.021	47.289	49.021	51.120	49.021	47.289
45	25.856	26.226	25.932	26.226	25.856	26.226	25.932	26.226	25.856
50	17.229	17.433	17.082	17.433	17.229	17.433	17.082	17.433	17.229
55	12.113	12.171	11.934	12.171	12.113	12.171	11.934	12.171	12.113
60	8.867	8.860	8.745	8.860	8.867	8.860	8.745	8.860	8.867
65	6.767	6.726	6.624	6.726	6.767	6.726	6.624	6.726	6.767
70	4.994	4.946	4.847	4.946	4.994	4.946	4.847	4.946	4.994
75	3.281	3.243	3.186	3.243	3.281	3.243	3.186	3.243	3.281
80	1.658	1.662	1.652	1.662	1.658	1.662	1.652	1.662	1.658
85	0.323	0.323	0.323	0.323	0.323	0.323	0.323	0.323	0.323
90	0.121	0.141	0.147	0.141	0.121	0.141	0.147	0.141	0.121
95	0.323	0.323	0.323	0.323	0.323	0.323	0.323	0.323	0.323
100	1.658	1.662	1.652	1.662	1.658	1.662	1.652	1.662	1.658
105	3.281	3.243	3.186	3.243	3.281	3.243	3.186	3.243	3.281
110	4.994	4.946	4.847	4.946	4.994	4.946	4.847	4.946	4.994
115	6.767	6.726	6.624	6.726	6.767	6.726	6.624	6.726	6.767
120	8.867	8.860	8.745	8.860	8.867	8.860	8.745	8.860	8.867
125	12.113	12.171	11.934	12.171	12.113	12.171	11.934	12.171	12.113
130	17.229	17.433	17.082	17.433	17.229	17.433	17.082	17.433	17.229
135	25.856	26.226	25.932	26.226	25.856	26.226	25.932	26.226	25.856
140	47.289	49.021	51.120	49.021	47.289	49.021	51.120	49.021	47.289
145	166.870	167.353	170.775	167.353	166.870	167.353	170.775	167.353	166.870
150	390.584	384.807	387.858	384.807	390.584	384.807	387.858	384.807	390.584
155	569.864	571.542	574.216	571.542	569.864	571.542	574.216	571.542	569.864
160	850.200	856.271	860.262	856.271	850.200	856.271	860.262	856.271	850.200
165	1291.502	1299.883	1299.250	1299.883	1291.502	1299.883	1299.250	1299.883	1291.502
170	1770.466	1759.234	1743.575	1759.234	1770.466	1759.234	1743.575	1759.234	1770.466
175	2030.196	2017.153	2003.512	2017.153	2030.196	2017.153	2003.512	2017.153	2030.196
180	2043.024	2043.024	2043.024	2043.024	2043.024	2043.024	2043.024	2043.024	2043.024

COEFFICIENTS OF UTILIZATION



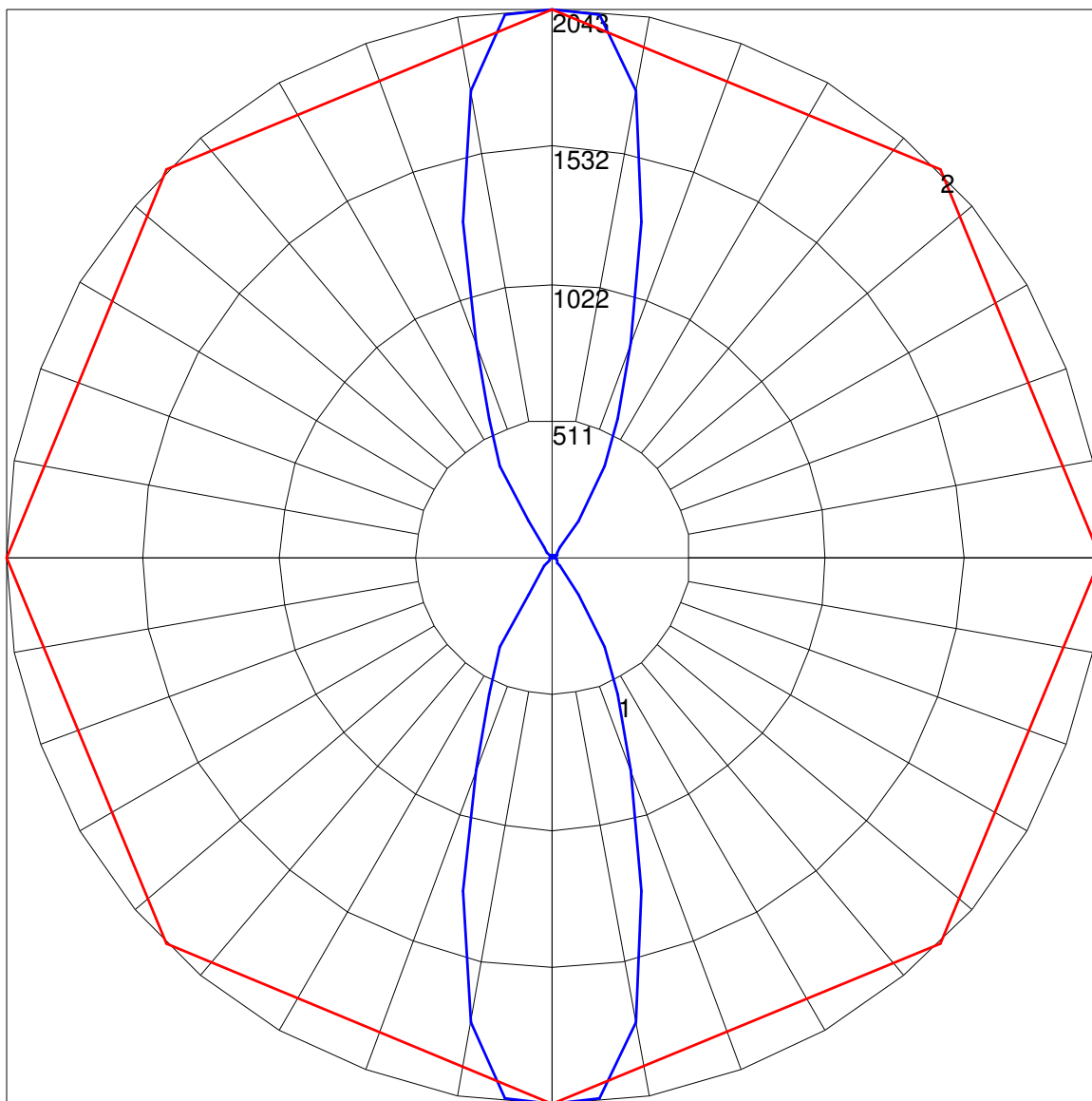
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	488.1	25.0
Downward House Side	488.1	25.0
Downward Total	976.2	50.0
Upward Street Side	488.1	25.0
Upward House Side	488.1	25.0
Upward Total	976.2	50.0
Total Flux	1952.4	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-M-XX\_.IES

## POLAR GRAPH

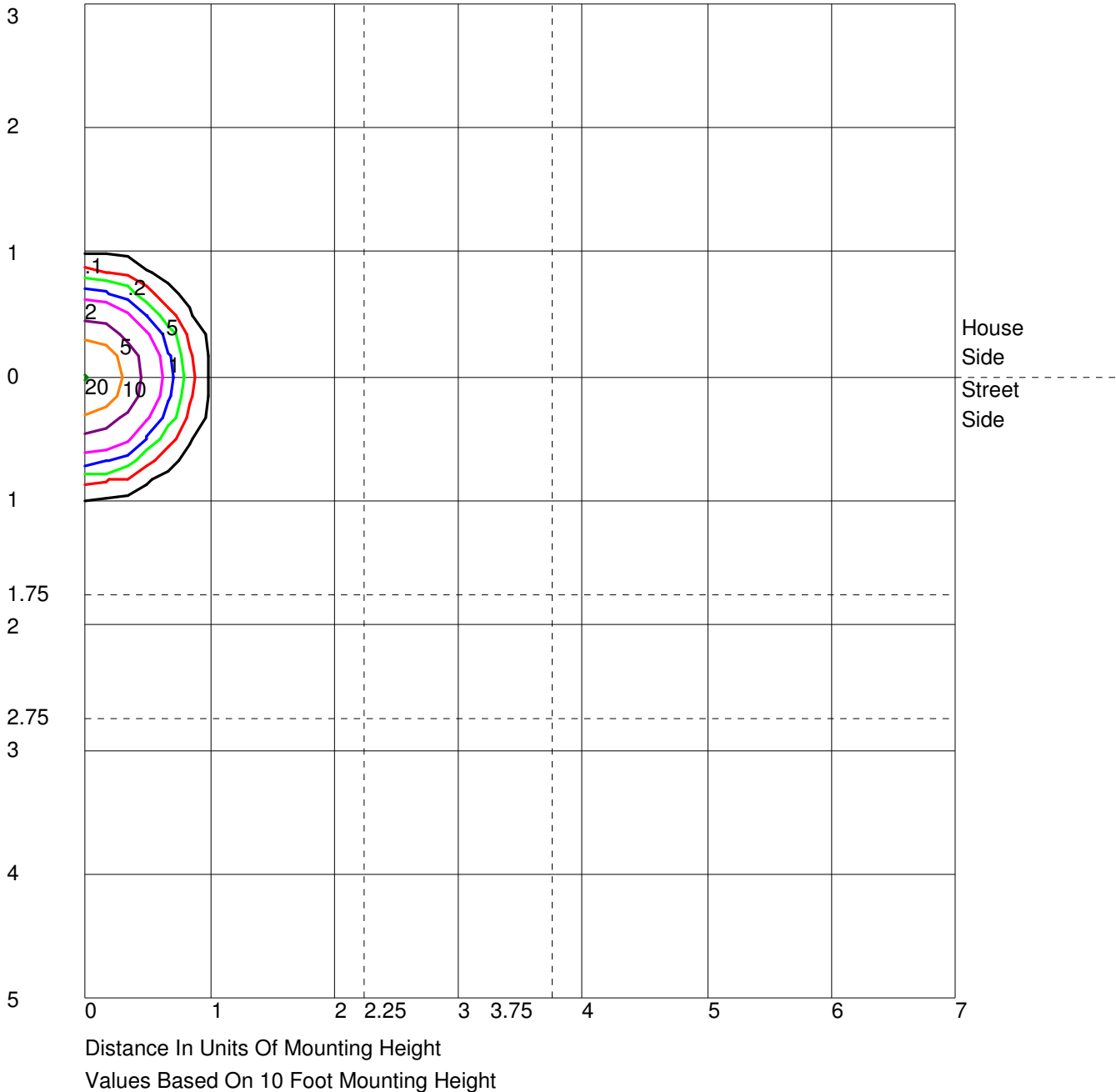


Maximum Candela = 2043.076 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

