

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-940U-L10-940D-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-L10-940U-L10-940D-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	1913
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2001.801
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2001.801
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.144 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.628 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-940U-L10-940D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	398.5	N.A.	20.8
FM - Front-Medium (30-60)	74.4	N.A.	3.9
FH - Front-High (60-80)	5.0	N.A.	0.3
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	398.5	N.A.	20.8
BM - Back-Medium (30-60)	74.4	N.A.	3.9
BH - Back-High (60-80)	5.0	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)	955.7	N.A.	50.0
Total	1912.8	N.A.	100.0
BUG Rating	B1-U4-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	2001.801	2001.801	2001.801	2001.801	2001.801	2001.801	2001.801	2001.801	2001.801
5	1989.181	1976.402	1963.037	1976.402	1989.181	1976.402	1963.037	1976.402	1989.181
10	1734.699	1723.694	1708.351	1723.694	1734.699	1723.694	1708.351	1723.694	1734.699
15	1265.411	1273.623	1273.003	1273.623	1265.411	1273.623	1273.003	1273.623	1265.411
20	833.025	838.973	842.883	838.973	833.025	838.973	842.883	838.973	833.025
25	558.352	559.996	562.616	559.996	558.352	559.996	562.616	559.996	558.352
30	382.693	377.033	380.023	377.033	382.693	377.033	380.023	377.033	382.693
35	163.499	163.972	167.325	163.972	163.499	163.972	167.325	163.972	163.499
40	46.334	48.031	50.088	48.031	46.334	48.031	50.088	48.031	46.334
45	25.333	25.697	25.409	25.697	25.333	25.697	25.409	25.697	25.333
50	16.881	17.081	16.737	17.081	16.881	17.081	16.737	17.081	16.881
55	11.868	11.925	11.693	11.925	11.868	11.925	11.693	11.925	11.868
60	8.688	8.681	8.569	8.681	8.688	8.681	8.569	8.681	8.688
65	6.631	6.590	6.490	6.590	6.631	6.590	6.490	6.590	6.631
70	4.893	4.846	4.749	4.846	4.893	4.846	4.749	4.846	4.893
75	3.215	3.178	3.121	3.178	3.215	3.178	3.121	3.178	3.215
80	1.625	1.628	1.619	1.628	1.625	1.628	1.619	1.628	1.625
85	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316
90	0.119	0.138	0.144	0.138	0.119	0.138	0.144	0.138	0.119
95	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316	0.316
100	1.625	1.628	1.619	1.628	1.625	1.628	1.619	1.628	1.625
105	3.215	3.178	3.121	3.178	3.215	3.178	3.121	3.178	3.215
110	4.893	4.846	4.749	4.846	4.893	4.846	4.749	4.846	4.893
115	6.631	6.590	6.490	6.590	6.631	6.590	6.490	6.590	6.631
120	8.688	8.681	8.569	8.681	8.688	8.681	8.569	8.681	8.688
125	11.868	11.925	11.693	11.925	11.868	11.925	11.693	11.925	11.868
130	16.881	17.081	16.737	17.081	16.881	17.081	16.737	17.081	16.881
135	25.333	25.697	25.409	25.697	25.333	25.697	25.409	25.697	25.333
140	46.334	48.031	50.088	48.031	46.334	48.031	50.088	48.031	46.334
145	163.499	163.972	167.325	163.972	163.499	163.972	167.325	163.972	163.499
150	382.693	377.033	380.023	377.033	382.693	377.033	380.023	377.033	382.693
155	558.352	559.996	562.616	559.996	558.352	559.996	562.616	559.996	558.352
160	833.025	838.973	842.883	838.973	833.025	838.973	842.883	838.973	833.025
165	1265.411	1273.623	1273.003	1273.623	1265.411	1273.623	1273.003	1273.623	1265.411
170	1734.699	1723.694	1708.351	1723.694	1734.699	1723.694	1708.351	1723.694	1734.699
175	1989.181	1976.402	1963.037	1976.402	1989.181	1976.402	1963.037	1976.402	1989.181
180	2001.751	2001.751	2001.751	2001.751	2001.751	2001.751	2001.751	2001.751	2001.751

COEFFICIENTS OF UTILIZATION



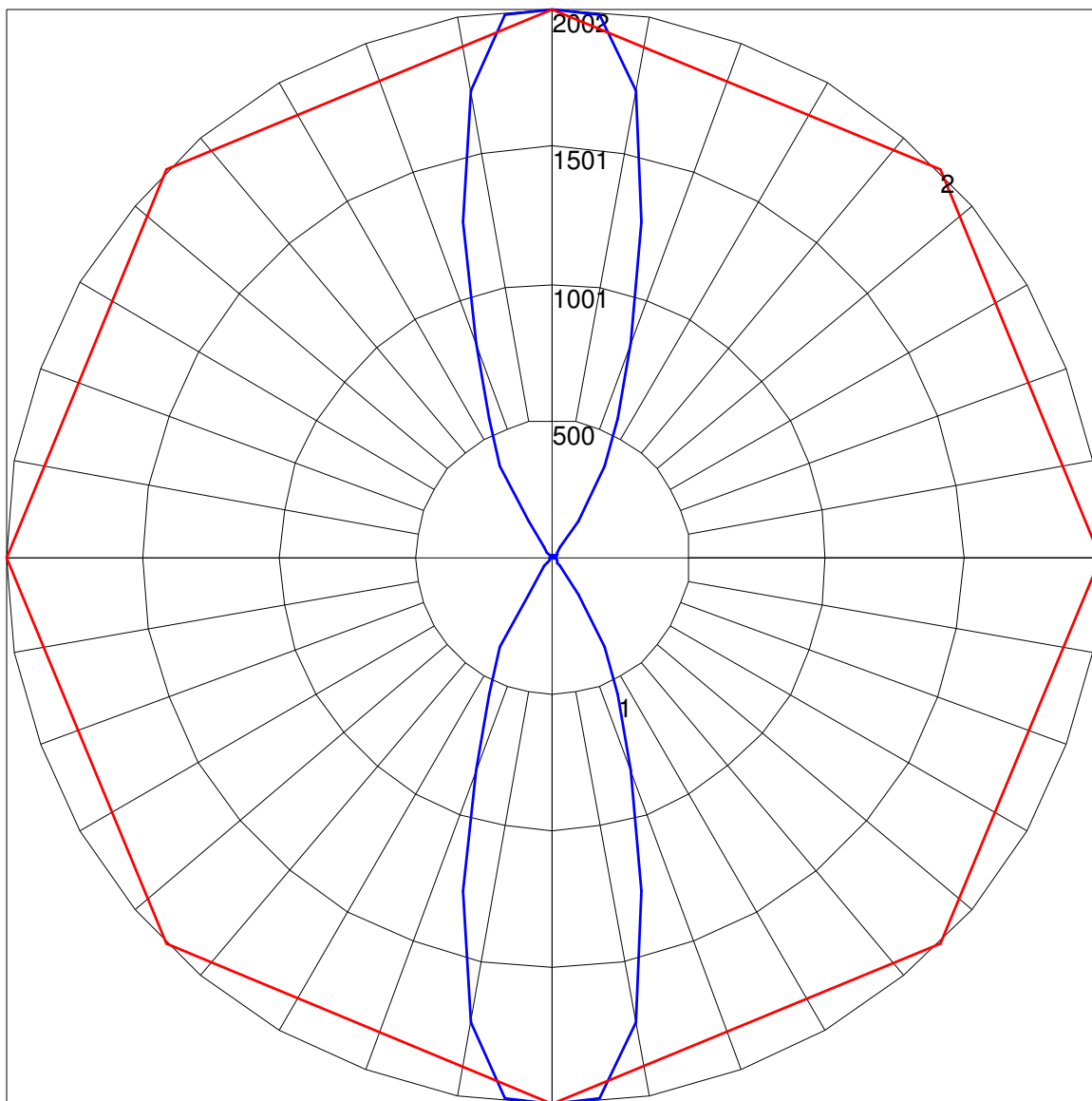
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	478.2	25.0
Downward House Side	478.2	25.0
Downward Total	956.4	50.0
Upward Street Side	478.2	25.0
Upward House Side	478.2	25.0
Upward Total	956.4	50.0
Total Flux	1912.8	100.0

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## POLAR GRAPH



Maximum Candela = 2001.801 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

