

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-827U-L40-827D-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-L40-827U-L40-827D-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	7222
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7558.505
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7558.505
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.544 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.147 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-827U-L40-827D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1504.6	N.A.	20.8
FM - Front-Medium (30-60)	281.0	N.A.	3.9
FH - Front-High (60-80)	18.8	N.A.	0.3
FVH - Front-Very High (80-90)	1.2	N.A.	0.0
BL - Back-Low (0-30)	1504.6	N.A.	20.8
BM - Back-Medium (30-60)	281.0	N.A.	3.9
BH - Back-High (60-80)	18.8	N.A.	0.3
BVH - Back-Very High (80-90)	1.2	N.A.	0.0
UL - Uplight-Low (90-100)	2.5	N.A.	0.0
UH - Uplight-High (100-180)	3608.7	N.A.	50.0
Total	7222.4	N.A.	100.0
BUG Rating	B3-U5-G0		

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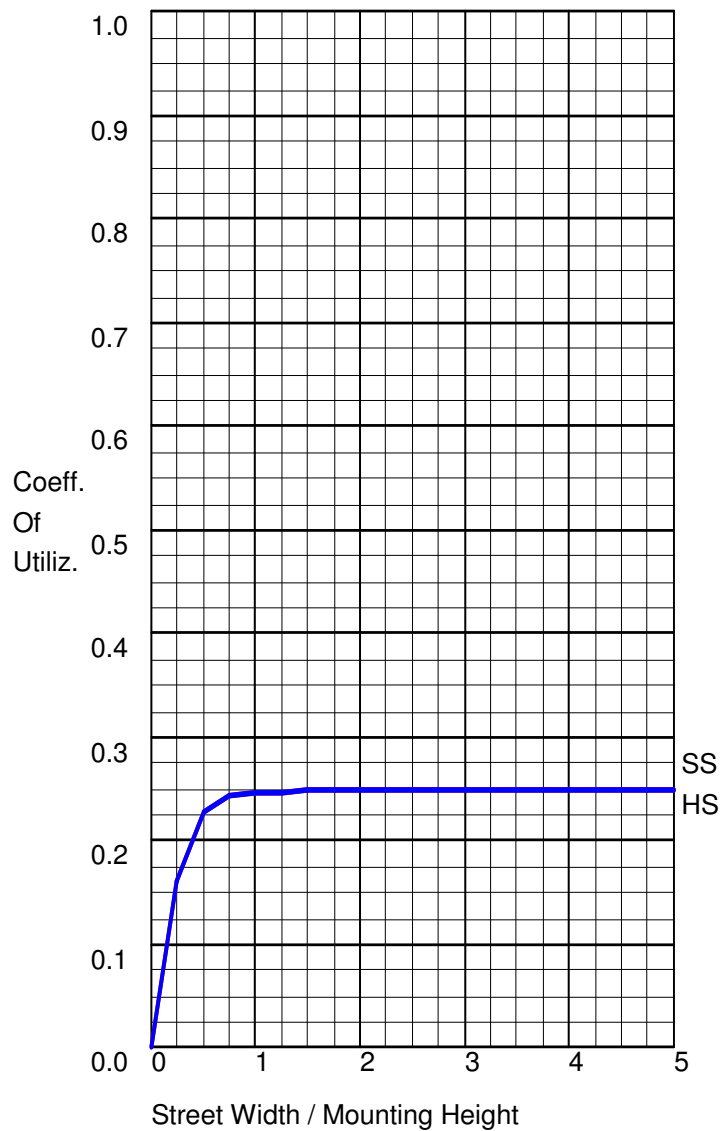
CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	0	45	90	135	180	225	270	315	360
0	7558.505	7558.505	7558.505	7558.505	7558.505	7558.505	7558.505	7558.505	7558.505
5	7510.855	7462.602	7412.138	7462.602	7510.855	7462.602	7412.138	7462.602	7510.855
10	6549.965	6508.414	6450.480	6508.414	6549.965	6508.414	6450.480	6508.414	6549.965
15	4778.005	4809.011	4806.670	4809.011	4778.005	4809.011	4806.670	4809.011	4778.005
20	3145.378	3167.837	3182.602	3167.837	3145.378	3167.837	3182.602	3167.837	3145.378
25	2108.255	2114.461	2124.355	2114.461	2108.255	2114.461	2124.355	2114.461	2108.255
30	1444.993	1423.621	1434.910	1423.621	1444.993	1423.621	1434.910	1423.621	1444.993
35	617.349	619.134	631.794	619.134	617.349	619.134	631.794	619.134	617.349
40	174.950	181.357	189.123	181.357	174.950	181.357	189.123	181.357	174.950
45	95.655	97.026	95.939	97.026	95.655	97.026	95.939	97.026	95.655
50	63.739	64.495	63.195	64.495	63.739	64.495	63.195	64.495	63.739
55	44.813	45.026	44.151	45.026	44.813	45.026	44.151	45.026	44.813
60	32.803	32.779	32.354	32.779	32.803	32.779	32.354	32.779	32.803
65	25.037	24.883	24.505	24.883	25.037	24.883	24.505	24.883	25.037
70	18.476	18.299	17.932	18.299	18.476	18.299	17.932	18.299	18.476
75	12.140	11.998	11.785	11.998	12.140	11.998	11.785	11.998	12.140
80	6.135	6.147	6.111	6.147	6.135	6.147	6.111	6.147	6.135
85	1.194	1.194	1.194	1.194	1.194	1.194	1.194	1.194	1.194
90	0.449	0.520	0.544	0.520	0.449	0.520	0.544	0.520	0.449
95	1.194	1.194	1.194	1.194	1.194	1.194	1.194	1.194	1.194
100	6.135	6.147	6.111	6.147	6.135	6.147	6.111	6.147	6.135
105	12.140	11.998	11.785	11.998	12.140	11.998	11.785	11.998	12.140
110	18.476	18.299	17.932	18.299	18.476	18.299	17.932	18.299	18.476
115	25.037	24.883	24.505	24.883	25.037	24.883	24.505	24.883	25.037
120	32.803	32.779	32.354	32.779	32.803	32.779	32.354	32.779	32.803
125	44.813	45.026	44.151	45.026	44.813	45.026	44.151	45.026	44.813
130	63.739	64.495	63.195	64.495	63.739	64.495	63.195	64.495	63.739
135	95.655	97.026	95.939	97.026	95.655	97.026	95.939	97.026	95.655
140	174.950	181.357	189.123	181.357	174.950	181.357	189.123	181.357	174.950
145	617.349	619.134	631.794	619.134	617.349	619.134	631.794	619.134	617.349
150	1444.993	1423.621	1434.910	1423.621	1444.993	1423.621	1434.910	1423.621	1444.993
155	2108.255	2114.461	2124.355	2114.461	2108.255	2114.461	2124.355	2114.461	2108.255
160	3145.378	3167.837	3182.602	3167.837	3145.378	3167.837	3182.602	3167.837	3145.378
165	4778.005	4809.011	4806.670	4809.011	4778.005	4809.011	4806.670	4809.011	4778.005
170	6549.965	6508.414	6450.480	6508.414	6549.965	6508.414	6450.480	6508.414	6549.965
175	7510.855	7462.602	7412.138	7462.602	7510.855	7462.602	7412.138	7462.602	7510.855
180	7558.316	7558.316	7558.316	7558.316	7558.316	7558.316	7558.316	7558.316	7558.316

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COEFFICIENTS OF UTILIZATION



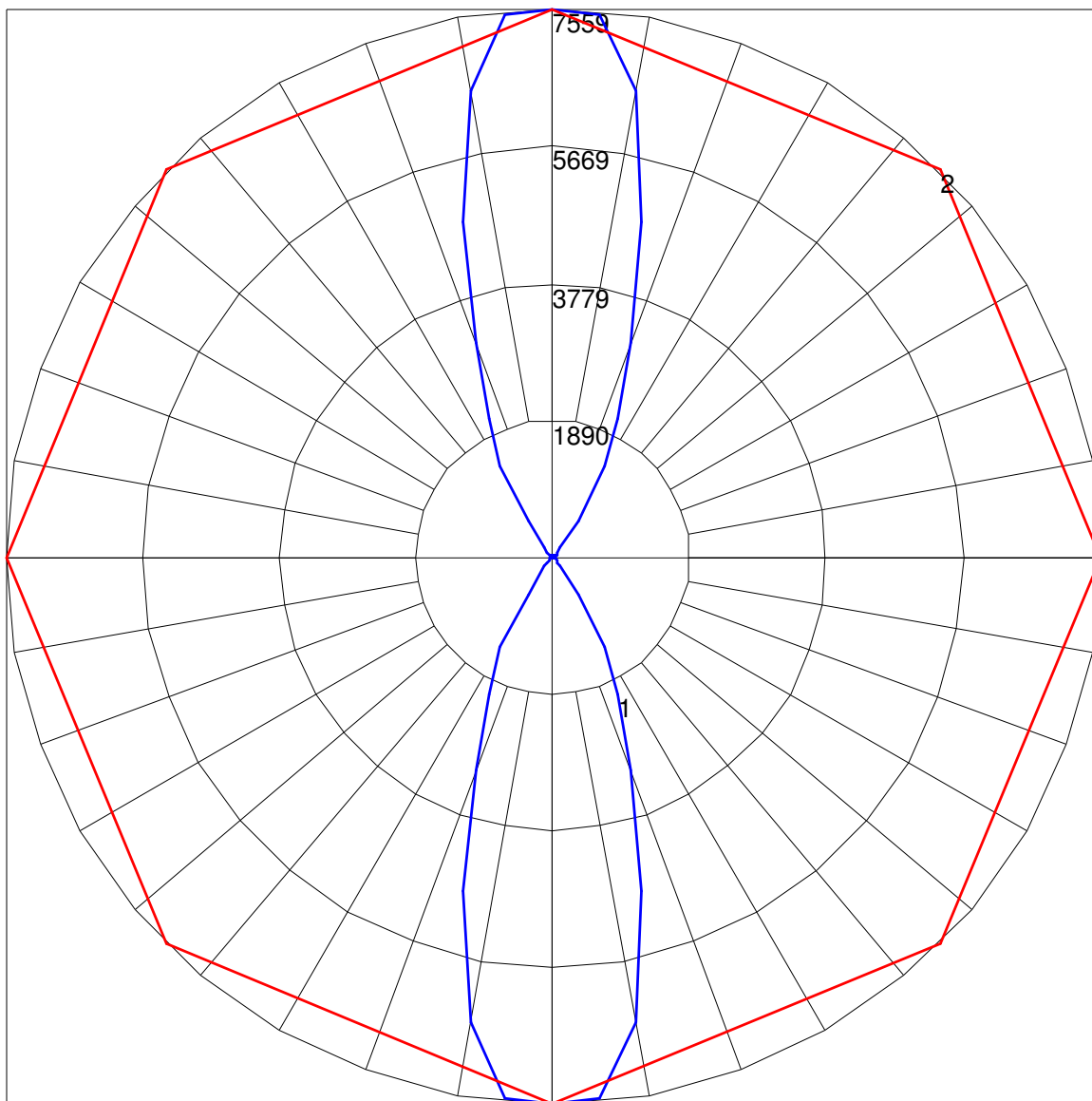
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1805.6	25.0
Downward House Side	1805.6	25.0
Downward Total	3611.2	50.0
Upward Street Side	1805.6	25.0
Upward House Side	1805.6	25.0
Upward Total	3611.2	50.0
Total Flux	7222.4	100.0

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POLAR GRAPH



Maximum Candela = 7558.505 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

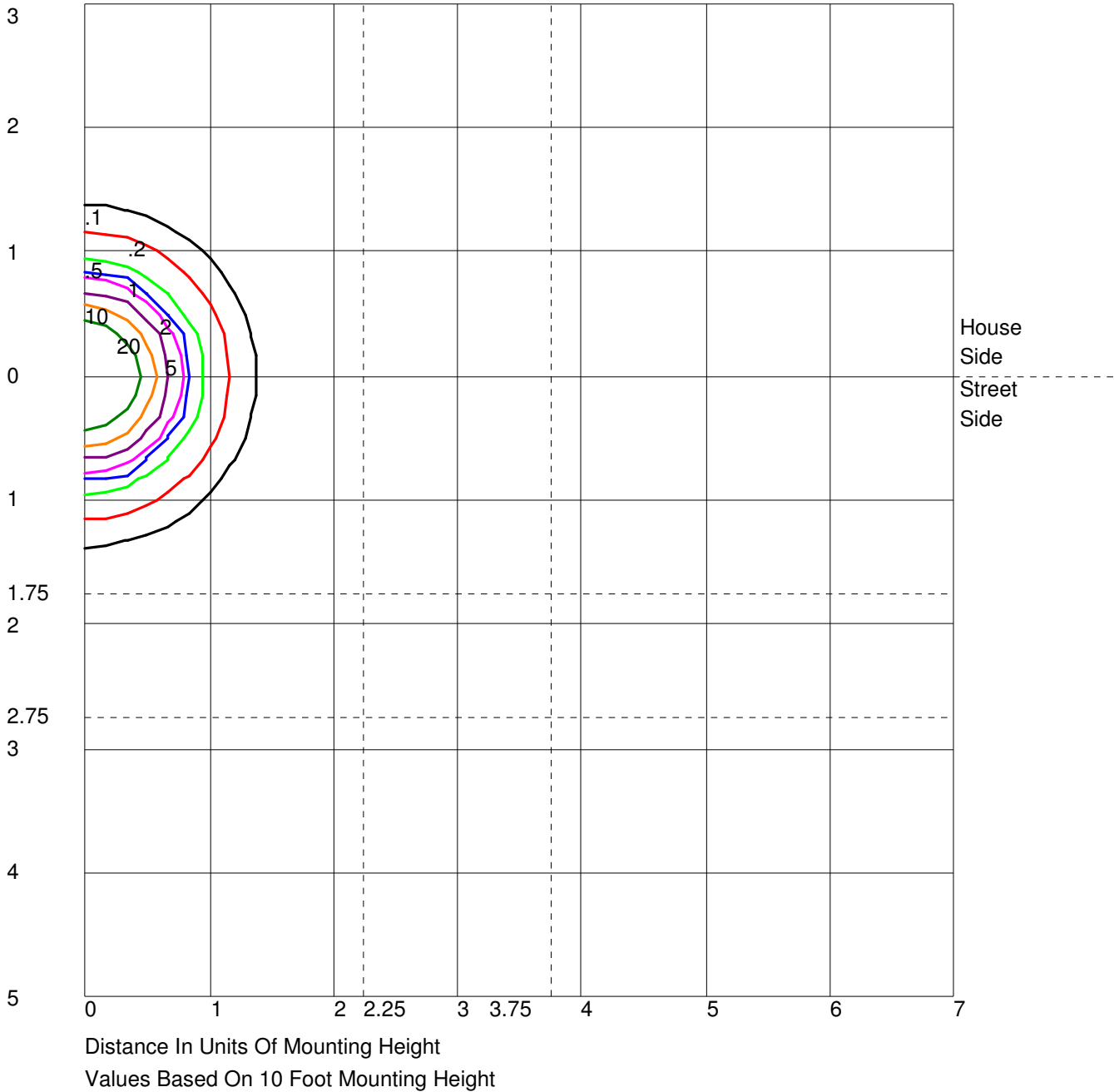


PHOTO LUMENS

