

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-940U-L40-940D-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-L40-940U-L40-940D-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	7149
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7481.378
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7481.378
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.538 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.084 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-940U-L40-940D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1489.2	N.A.	20.8
FM - Front-Medium (30-60)	278.1	N.A.	3.9
FH - Front-High (60-80)	18.6	N.A.	0.3
FVH - Front-Very High (80-90)	1.2	N.A.	0.0
BL - Back-Low (0-30)	1489.2	N.A.	20.8
BM - Back-Medium (30-60)	278.1	N.A.	3.9
BH - Back-High (60-80)	18.6	N.A.	0.3
BVH - Back-Very High (80-90)	1.2	N.A.	0.0
UL - Uplight-Low (90-100)	2.4	N.A.	0.0
UH - Uplight-High (100-180)	3571.9	N.A.	50.0
Total	7148.5	N.A.	100.0
BUG Rating	B3-U5-G0		

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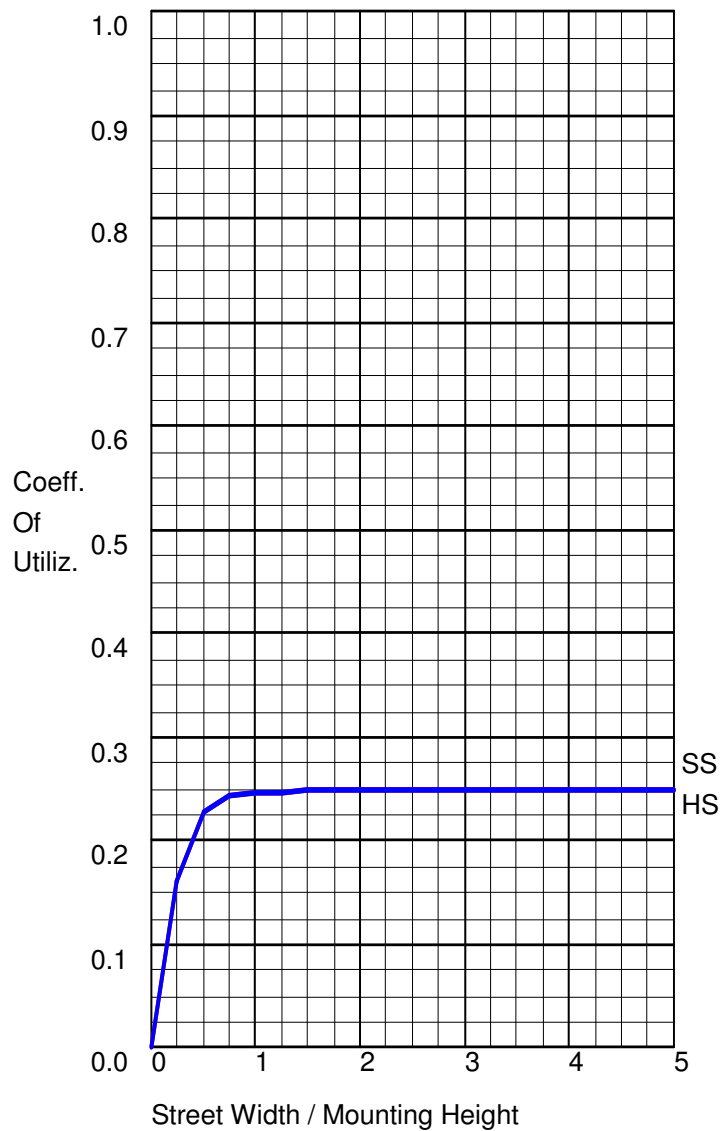
CANDELA TABULATION

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	7481.378	7481.378	7481.378	7481.378	7481.378	7481.378	7481.378	7481.378	7481.378
5	7434.214	7386.453	7336.505	7386.453	7434.214	7386.453	7336.505	7386.453	7434.214
10	6483.129	6442.003	6384.659	6442.003	6483.129	6442.003	6384.659	6442.003	6483.129
15	4729.250	4759.940	4757.623	4759.940	4729.250	4759.940	4757.623	4759.940	4729.250
20	3113.282	3135.513	3150.127	3135.513	3113.282	3135.513	3150.127	3135.513	3113.282
25	2086.742	2092.885	2102.678	2092.885	2086.742	2092.885	2102.678	2092.885	2086.742
30	1430.248	1409.094	1420.268	1409.094	1430.248	1409.094	1420.268	1409.094	1430.248
35	611.050	612.816	625.348	612.816	611.050	612.816	625.348	612.816	611.050
40	173.165	179.506	187.194	179.506	173.165	179.506	187.194	179.506	173.165
45	94.679	96.036	94.960	96.036	94.679	96.036	94.960	96.036	94.679
50	63.088	63.837	62.550	63.837	63.088	63.837	62.550	63.837	63.088
55	44.356	44.567	43.701	44.567	44.356	44.567	43.701	44.567	44.356
60	32.468	32.445	32.024	32.445	32.468	32.445	32.024	32.445	32.468
65	24.781	24.629	24.255	24.629	24.781	24.629	24.255	24.629	24.781
70	18.288	18.112	17.749	18.112	18.288	18.112	17.749	18.112	18.288
75	12.016	11.876	11.665	11.876	12.016	11.876	11.665	11.876	12.016
80	6.072	6.084	6.049	6.084	6.072	6.084	6.049	6.084	6.072
85	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182
90	0.445	0.515	0.538	0.515	0.445	0.515	0.538	0.515	0.445
95	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182	1.182
100	6.072	6.084	6.049	6.084	6.072	6.084	6.049	6.084	6.072
105	12.016	11.876	11.665	11.876	12.016	11.876	11.665	11.876	12.016
110	18.288	18.112	17.749	18.112	18.288	18.112	17.749	18.112	18.288
115	24.781	24.629	24.255	24.629	24.781	24.629	24.255	24.629	24.781
120	32.468	32.445	32.024	32.445	32.468	32.445	32.024	32.445	32.468
125	44.356	44.567	43.701	44.567	44.356	44.567	43.701	44.567	44.356
130	63.088	63.837	62.550	63.837	63.088	63.837	62.550	63.837	63.088
135	94.679	96.036	94.960	96.036	94.679	96.036	94.960	96.036	94.679
140	173.165	179.506	187.194	179.506	173.165	179.506	187.194	179.506	173.165
145	611.050	612.816	625.348	612.816	611.050	612.816	625.348	612.816	611.050
150	1430.248	1409.094	1420.268	1409.094	1430.248	1409.094	1420.268	1409.094	1430.248
155	2086.742	2092.885	2102.678	2092.885	2086.742	2092.885	2102.678	2092.885	2086.742
160	3113.282	3135.513	3150.127	3135.513	3113.282	3135.513	3150.127	3135.513	3113.282
165	4729.250	4759.940	4757.623	4759.940	4729.250	4759.940	4757.623	4759.940	4729.250
170	6483.129	6442.003	6384.659	6442.003	6483.129	6442.003	6384.659	6442.003	6483.129
175	7434.214	7386.453	7336.505	7386.453	7434.214	7386.453	7336.505	7386.453	7434.214
180	7481.191	7481.191	7481.191	7481.191	7481.191	7481.191	7481.191	7481.191	7481.191

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COEFFICIENTS OF UTILIZATION



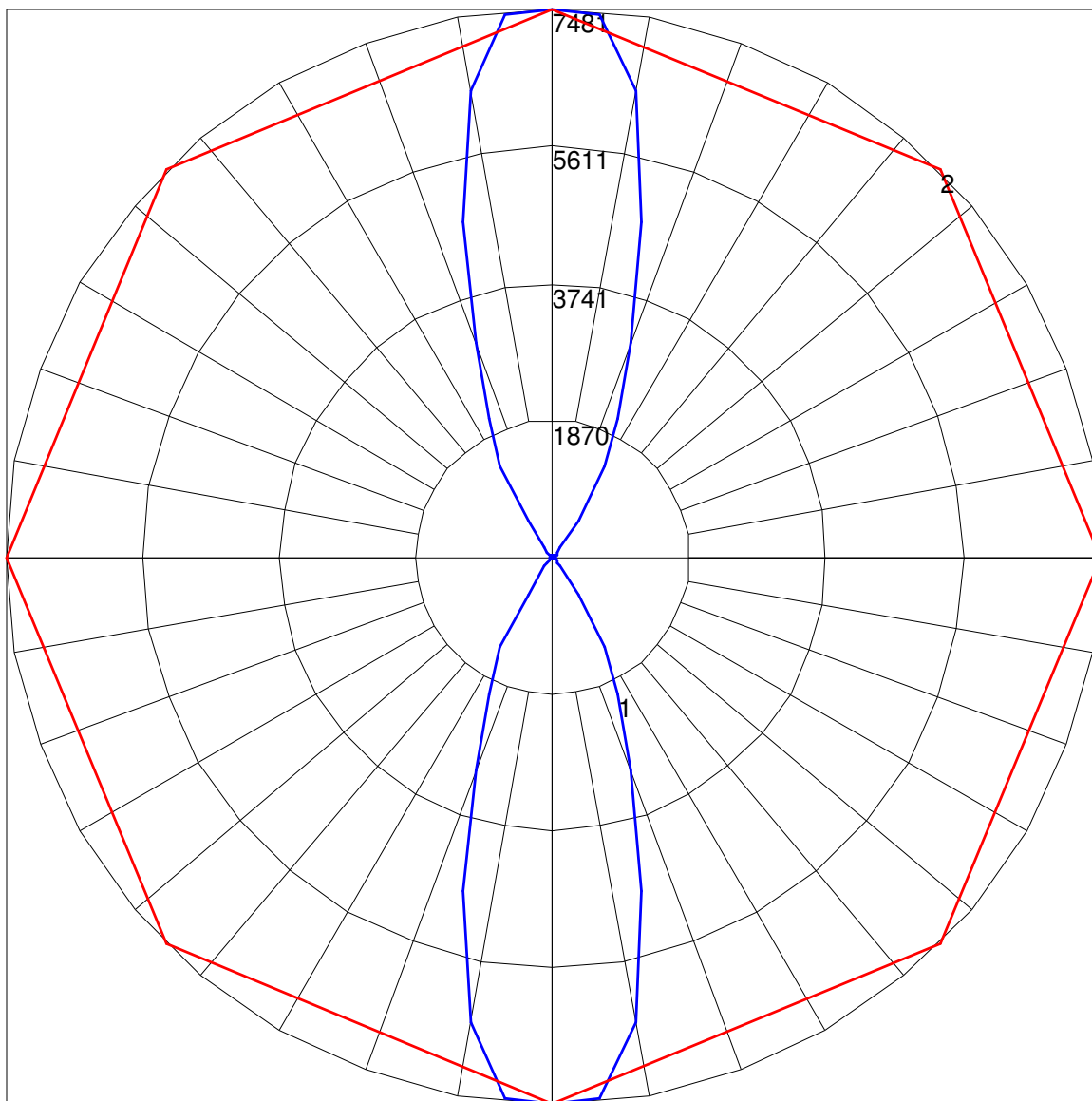
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1787.2	25.0
Downward House Side	1787.2	25.0
Downward Total	3574.4	50.0
Upward Street Side	1787.2	25.0
Upward House Side	1787.2	25.0
Upward Total	3574.4	50.0
Total Flux	7148.8	100.0

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POLAR GRAPH



Maximum Candela = 7481.378 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

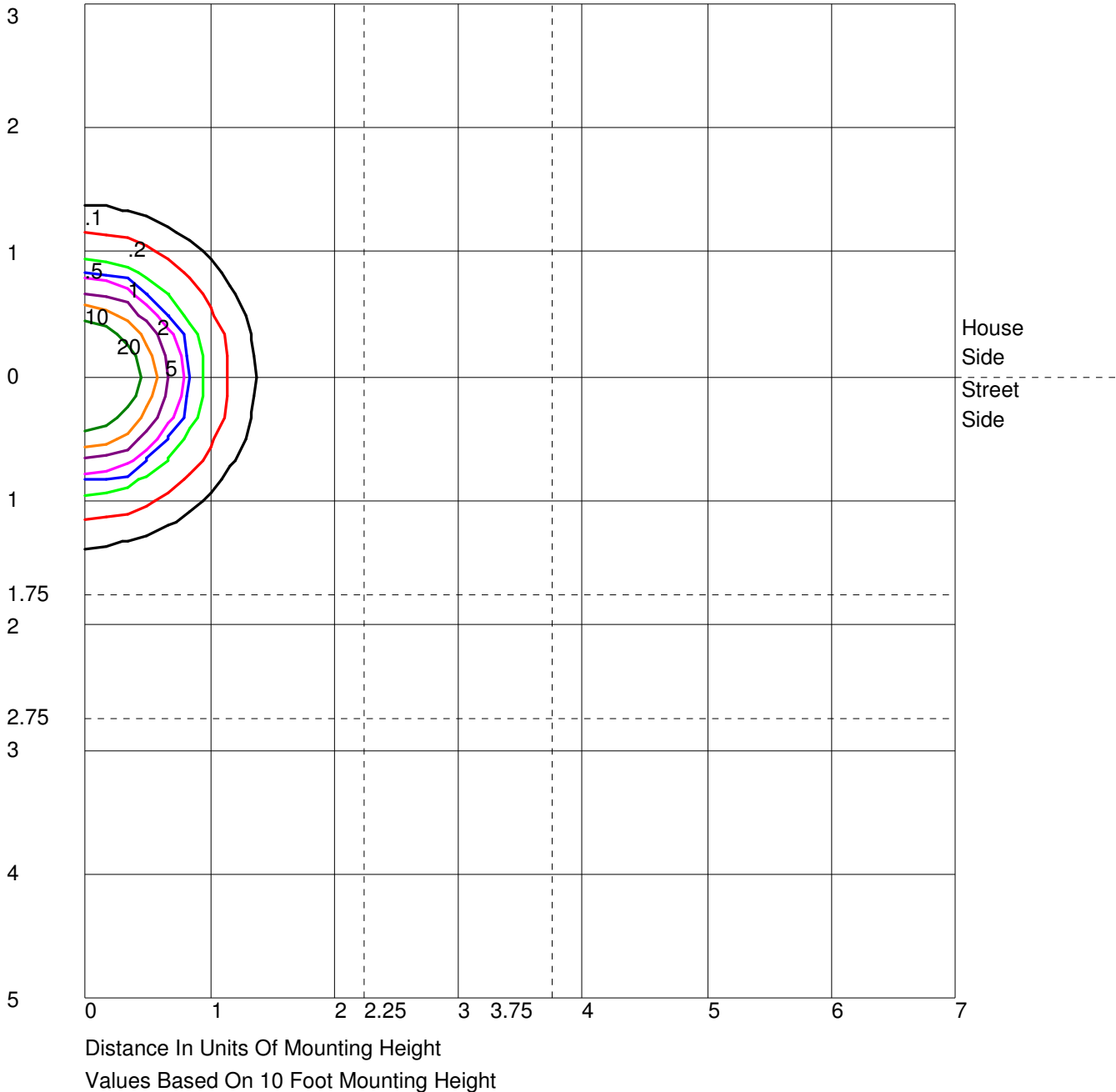


PHOTO LUMENS

