

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-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-L20-940U-L20-940D-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	3837
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4015.784
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4015.784
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.289 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.266 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	799.4	N.A.	20.8
FM - Front-Medium (30-60)	149.3	N.A.	3.9
FH - Front-High (60-80)	10.0	N.A.	0.3
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	799.4	N.A.	20.8
BM - Back-Medium (30-60)	149.3	N.A.	3.9
BH - Back-High (60-80)	10.0	N.A.	0.3
BVH - Back-Very High (80-90)	0.7	N.A.	0.0
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	1917.3	N.A.	50.0
Total	3837.4	N.A.	100.0
BUG Rating	B2-U5-G0		

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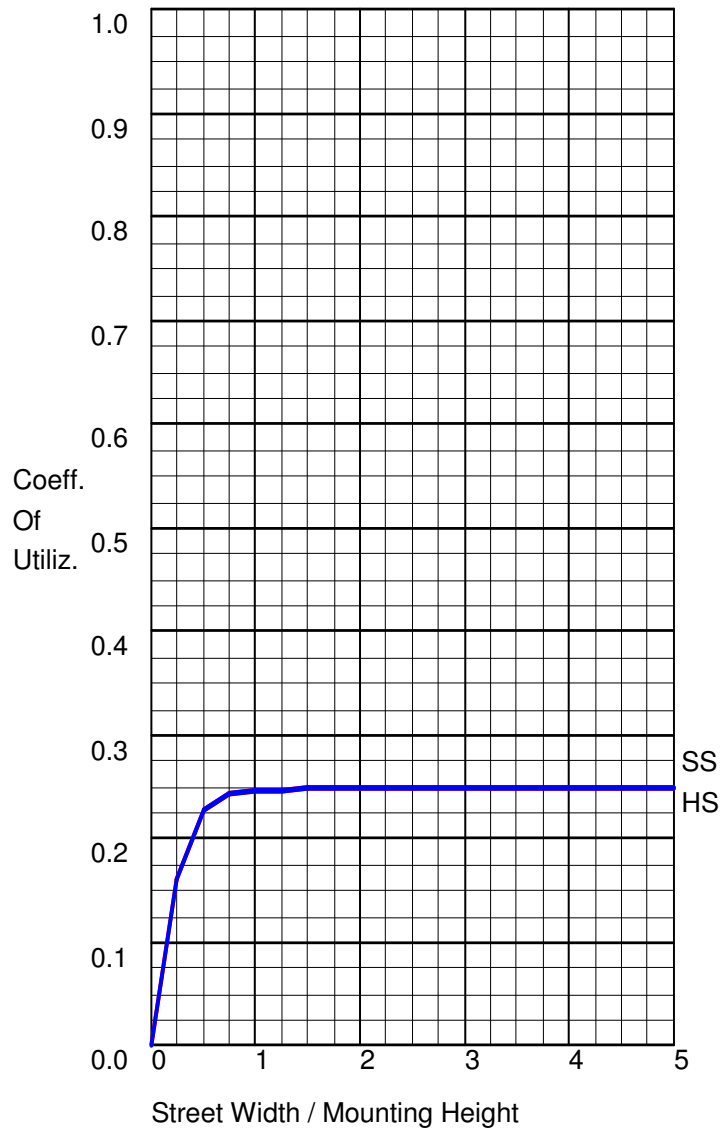
CANDELA TABULATION

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	4015.784	4015.784	4015.784	4015.784	4015.784	4015.784	4015.784	4015.784	4015.784
5	3990.468	3964.831	3938.020	3964.831	3990.468	3964.831	3938.020	3964.831	3990.468
10	3479.953	3457.878	3427.097	3457.878	3479.953	3457.878	3427.097	3457.878	3479.953
15	2538.522	2554.996	2553.752	2554.996	2538.522	2554.996	2553.752	2554.996	2538.522
20	1671.118	1683.051	1690.895	1683.051	1671.118	1683.051	1690.895	1683.051	1671.118
25	1120.102	1123.399	1128.656	1123.399	1120.102	1123.399	1128.656	1123.399	1120.102
30	767.715	756.360	762.358	756.360	767.715	756.360	762.358	756.360	767.715
35	327.994	328.942	335.668	328.942	327.994	328.942	335.668	328.942	327.994
40	92.950	96.354	100.480	96.354	92.950	96.354	100.480	96.354	92.950
45	50.821	51.549	50.972	51.549	50.821	51.549	50.972	51.549	50.821
50	33.864	34.266	33.575	34.266	33.864	34.266	33.575	34.266	33.864
55	23.809	23.922	23.457	23.922	23.809	23.922	23.457	23.922	23.809
60	17.428	17.416	17.189	17.416	17.428	17.416	17.189	17.416	17.428
65	13.302	13.220	13.019	13.220	13.302	13.220	13.019	13.220	13.302
70	9.816	9.722	9.527	9.722	9.816	9.722	9.527	9.722	9.816
75	6.450	6.375	6.262	6.375	6.450	6.375	6.262	6.375	6.450
80	3.260	3.266	3.247	3.266	3.260	3.266	3.247	3.266	3.260
85	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634
90	0.239	0.276	0.289	0.276	0.239	0.276	0.289	0.276	0.239
95	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634
100	3.260	3.266	3.247	3.266	3.260	3.266	3.247	3.266	3.260
105	6.450	6.375	6.262	6.375	6.450	6.375	6.262	6.375	6.450
110	9.816	9.722	9.527	9.722	9.816	9.722	9.527	9.722	9.816
115	13.302	13.220	13.019	13.220	13.302	13.220	13.019	13.220	13.302
120	17.428	17.416	17.189	17.416	17.428	17.416	17.189	17.416	17.428
125	23.809	23.922	23.457	23.922	23.809	23.922	23.457	23.922	23.809
130	33.864	34.266	33.575	34.266	33.864	34.266	33.575	34.266	33.864
135	50.821	51.549	50.972	51.549	50.821	51.549	50.972	51.549	50.821
140	92.950	96.354	100.480	96.354	92.950	96.354	100.480	96.354	92.950
145	327.994	328.942	335.668	328.942	327.994	328.942	335.668	328.942	327.994
150	767.715	756.360	762.358	756.360	767.715	756.360	762.358	756.360	767.715
155	1120.102	1123.399	1128.656	1123.399	1120.102	1123.399	1128.656	1123.399	1120.102
160	1671.118	1683.051	1690.895	1683.051	1671.118	1683.051	1690.895	1683.051	1671.118
165	2538.522	2554.996	2553.752	2554.996	2538.522	2554.996	2553.752	2554.996	2538.522
170	3479.953	3457.878	3427.097	3457.878	3479.953	3457.878	3427.097	3457.878	3479.953
175	3990.468	3964.831	3938.020	3964.831	3990.468	3964.831	3938.020	3964.831	3990.468
180	4015.683	4015.683	4015.683	4015.683	4015.683	4015.683	4015.683	4015.683	4015.683

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COEFFICIENTS OF UTILIZATION



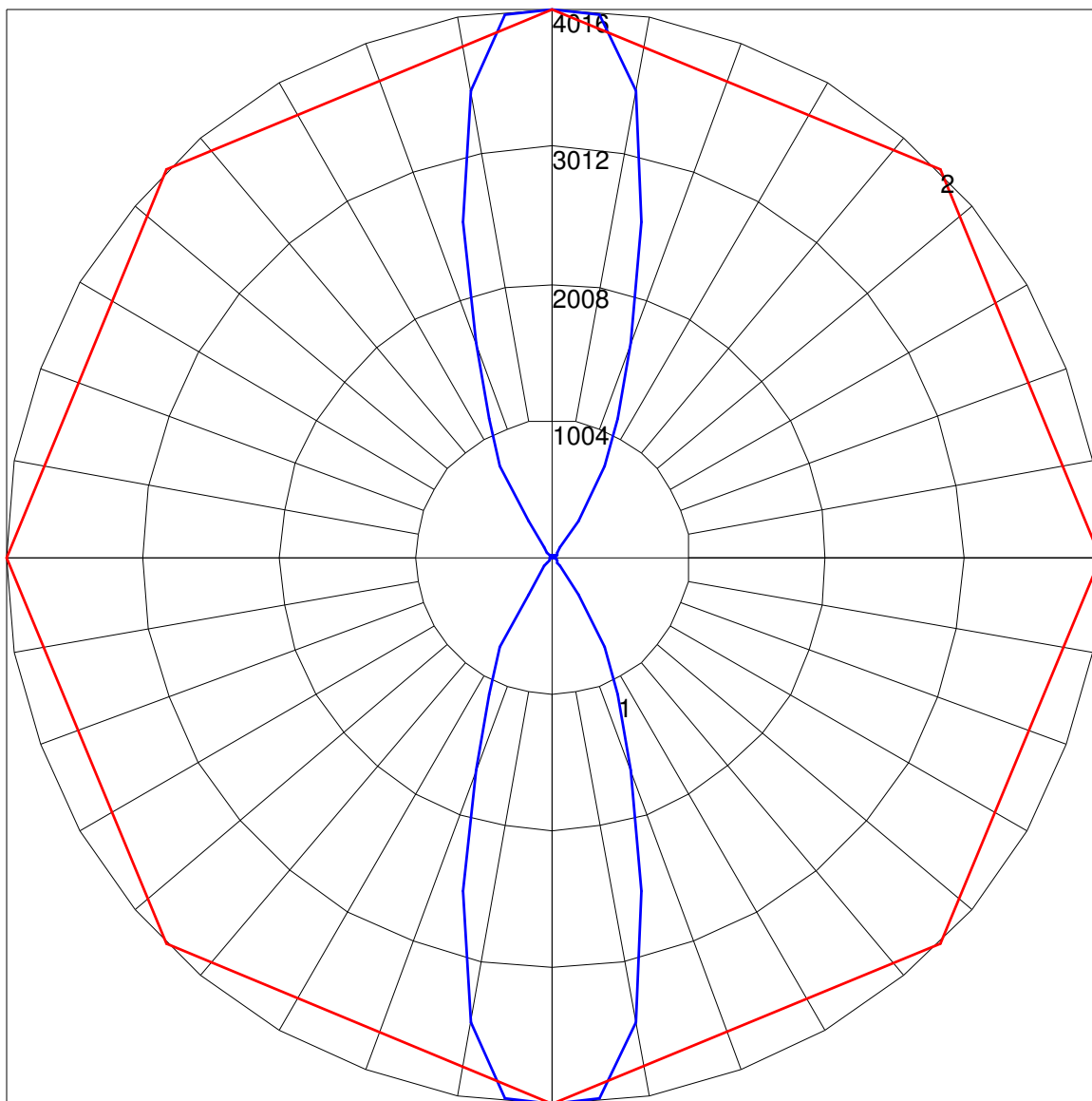
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	959.3	25.0
Downward House Side	959.3	25.0
Downward Total	1918.6	50.0
Upward Street Side	959.3	25.0
Upward House Side	959.3	25.0
Upward Total	1918.6	50.0
Total Flux	3837.2	100.0

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POLAR GRAPH



Maximum Candela = 4015.784 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

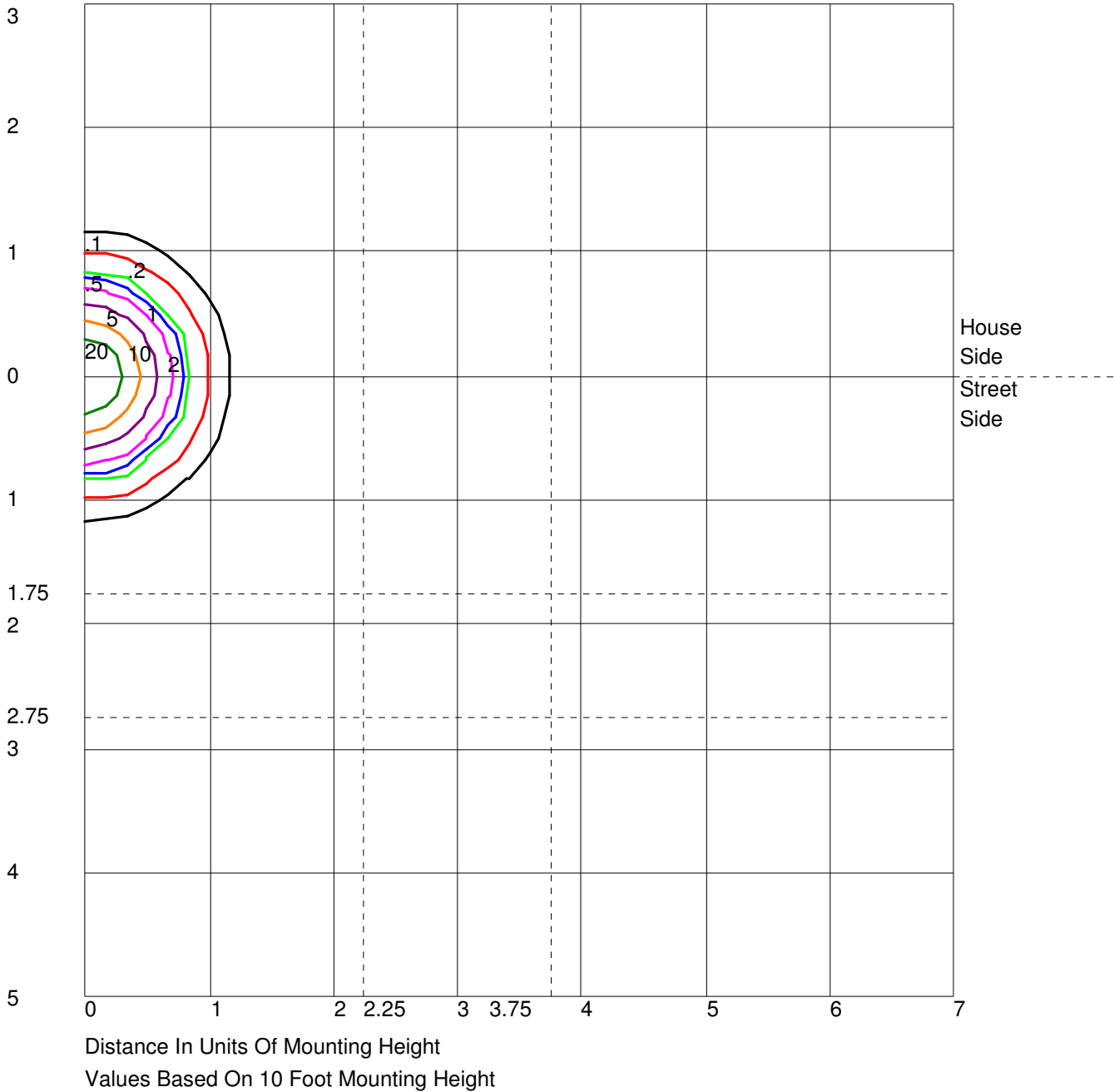


PHOTO LUMENS

