

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-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-L20-935U-L20-935D-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	3798
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3974.384
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3974.384
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.286 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.232 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	791.1	N.A.	20.8
FM - Front-Medium (30-60)	147.7	N.A.	3.9
FH - Front-High (60-80)	9.9	N.A.	0.3
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	791.1	N.A.	20.8
BM - Back-Medium (30-60)	147.7	N.A.	3.9
BH - Back-High (60-80)	9.9	N.A.	0.3
BVH - Back-Very High (80-90)	0.6	N.A.	0.0
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	1897.5	N.A.	50.0
Total	3797.4	N.A.	100.0
BUG Rating	B2-U5-G0		

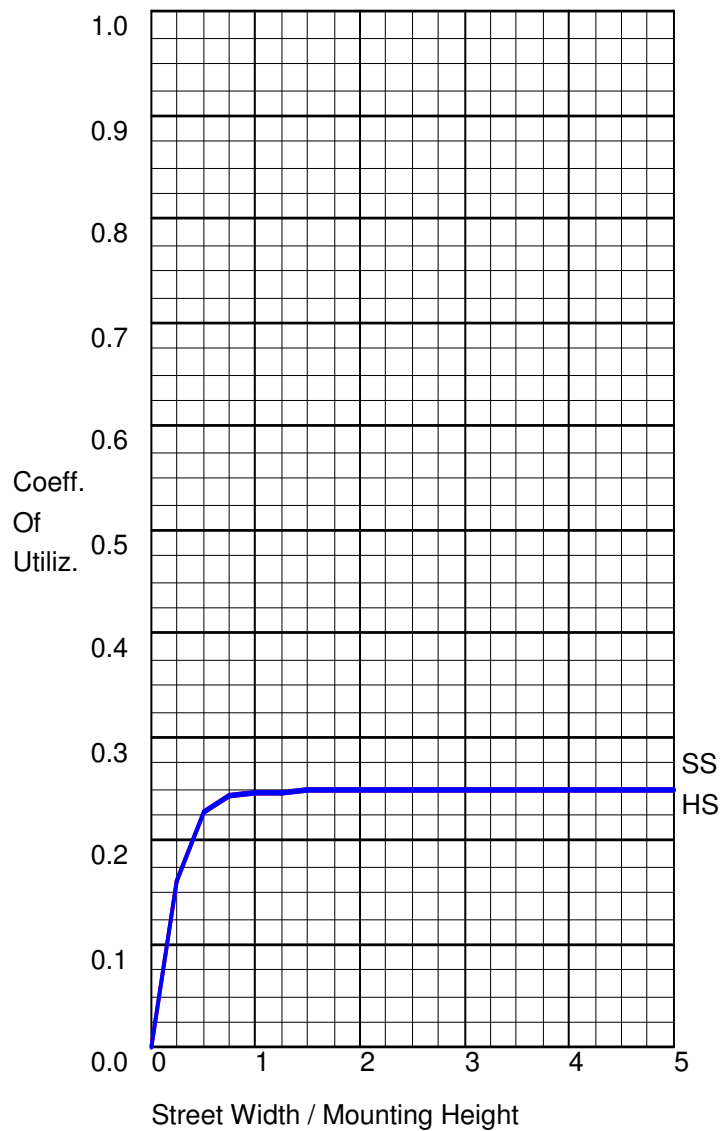
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CANDELA TABULATION

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	3974.384	3974.384	3974.384	3974.384	3974.384	3974.384	3974.384	3974.384	3974.384
5	3949.328	3923.956	3897.422	3923.956	3949.328	3923.956	3897.422	3923.956	3949.328
10	3444.077	3422.229	3391.766	3422.229	3444.077	3422.229	3391.766	3422.229	3444.077
15	2512.352	2528.655	2527.425	2528.655	2512.352	2528.655	2527.425	2528.655	2512.352
20	1653.890	1665.700	1673.463	1665.700	1653.890	1665.700	1673.463	1665.700	1653.890
25	1108.554	1111.818	1117.020	1111.818	1108.554	1111.818	1117.020	1111.818	1108.554
30	759.801	748.563	754.499	748.563	759.801	748.563	754.499	748.563	759.801
35	324.612	325.551	332.208	325.551	324.612	325.551	332.208	325.551	324.612
40	91.992	95.360	99.444	95.360	91.992	95.360	99.444	95.360	91.992
45	50.297	51.018	50.446	51.018	50.297	51.018	50.446	51.018	50.297
50	33.515	33.913	33.229	33.913	33.515	33.913	33.229	33.913	33.515
55	23.564	23.675	23.215	23.675	23.564	23.675	23.215	23.675	23.564
60	17.248	17.236	17.012	17.236	17.248	17.236	17.012	17.236	17.248
65	13.165	13.084	12.885	13.084	13.165	13.084	12.885	13.084	13.165
70	9.715	9.622	9.429	9.622	9.715	9.622	9.429	9.622	9.715
75	6.383	6.309	6.197	6.309	6.383	6.309	6.197	6.309	6.383
80	3.226	3.232	3.213	3.232	3.226	3.232	3.213	3.232	3.226
85	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
90	0.236	0.273	0.286	0.273	0.236	0.273	0.286	0.273	0.236
95	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628	0.628
100	3.226	3.232	3.213	3.232	3.226	3.232	3.213	3.232	3.226
105	6.383	6.309	6.197	6.309	6.383	6.309	6.197	6.309	6.383
110	9.715	9.622	9.429	9.622	9.715	9.622	9.429	9.622	9.715
115	13.165	13.084	12.885	13.084	13.165	13.084	12.885	13.084	13.165
120	17.248	17.236	17.012	17.236	17.248	17.236	17.012	17.236	17.248
125	23.564	23.675	23.215	23.675	23.564	23.675	23.215	23.675	23.564
130	33.515	33.913	33.229	33.913	33.515	33.913	33.229	33.913	33.515
135	50.297	51.018	50.446	51.018	50.297	51.018	50.446	51.018	50.297
140	91.992	95.360	99.444	95.360	91.992	95.360	99.444	95.360	91.992
145	324.612	325.551	332.208	325.551	324.612	325.551	332.208	325.551	324.612
150	759.801	748.563	754.499	748.563	759.801	748.563	754.499	748.563	759.801
155	1108.554	1111.818	1117.020	1111.818	1108.554	1111.818	1117.020	1111.818	1108.554
160	1653.890	1665.700	1673.463	1665.700	1653.890	1665.700	1673.463	1665.700	1653.890
165	2512.352	2528.655	2527.425	2528.655	2512.352	2528.655	2527.425	2528.655	2512.352
170	3444.077	3422.229	3391.766	3422.229	3444.077	3422.229	3391.766	3422.229	3444.077
175	3949.328	3923.956	3897.422	3923.956	3949.328	3923.956	3897.422	3923.956	3949.328
180	3974.284	3974.284	3974.284	3974.284	3974.284	3974.284	3974.284	3974.284	3974.284

COEFFICIENTS OF UTILIZATION



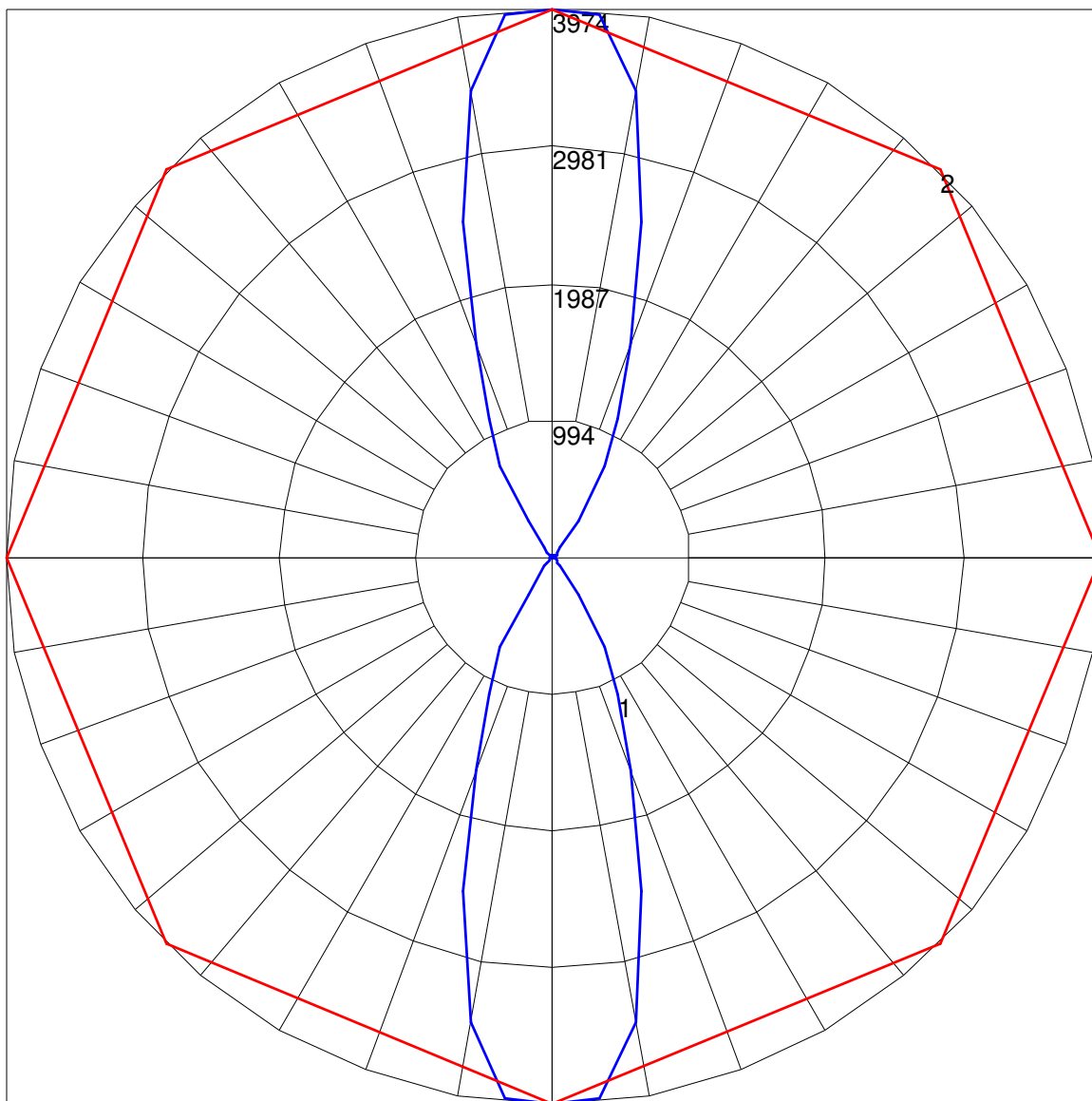
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	949.4	25.0
Downward House Side	949.4	25.0
Downward Total	1898.8	50.0
Upward Street Side	949.4	25.0
Upward House Side	949.4	25.0
Upward Total	1898.8	50.0
Total Flux	3797.6	100.0

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POLAR GRAPH



Maximum Candela = 3974.384 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

