

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-935U-L40-935D-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-L40-935U-L40-935D-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	7075
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7404.252
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7404.252
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.533 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.021 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-935U-L40-935D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1473.9	N.A.	20.8
FM - Front-Medium (30-60)	275.2	N.A.	3.9
FH - Front-High (60-80)	18.4	N.A.	0.3
FVH - Front-Very High (80-90)	1.2	N.A.	0.0
BL - Back-Low (0-30)	1473.9	N.A.	20.8
BM - Back-Medium (30-60)	275.2	N.A.	3.9
BH - Back-High (60-80)	18.4	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)	3535.1	N.A.	50.0
Total	7074.9	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	7404.252	7404.252	7404.252	7404.252	7404.252	7404.252	7404.252	7404.252	7404.252
5	7357.574	7310.306	7260.872	7310.306	7357.574	7310.306	7260.872	7310.306	7357.574
10	6416.294	6375.592	6318.839	6375.592	6416.294	6375.592	6318.839	6375.592	6416.294
15	4680.496	4710.869	4708.577	4710.869	4680.496	4710.869	4708.577	4710.869	4680.496
20	3081.187	3103.189	3117.652	3103.189	3081.187	3103.189	3117.652	3103.189	3081.187
25	2065.230	2071.309	2081.001	2071.309	2065.230	2071.309	2081.001	2071.309	2065.230
30	1415.504	1394.568	1405.626	1394.568	1415.504	1394.568	1405.626	1394.568	1415.504
35	604.750	606.499	618.901	606.499	604.750	606.499	618.901	606.499	604.750
40	171.380	177.656	185.264	177.656	171.380	177.656	185.264	177.656	171.380
45	93.703	95.046	93.981	95.046	93.703	95.046	93.981	95.046	93.703
50	62.438	63.179	61.905	63.179	62.438	63.179	61.905	63.179	62.438
55	43.899	44.107	43.250	44.107	43.899	44.107	43.250	44.107	43.899
60	32.134	32.111	31.694	32.111	32.134	32.111	31.694	32.111	32.134
65	24.526	24.375	24.005	24.375	24.526	24.375	24.005	24.375	24.526
70	18.099	17.925	17.566	17.925	18.099	17.925	17.566	17.925	18.099
75	11.892	11.753	11.545	11.753	11.892	11.753	11.545	11.753	11.892
80	6.010	6.021	5.987	6.021	6.010	6.021	5.987	6.021	6.010
85	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170
90	0.440	0.510	0.533	0.510	0.440	0.510	0.533	0.510	0.440
95	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170
100	6.010	6.021	5.987	6.021	6.010	6.021	5.987	6.021	6.010
105	11.892	11.753	11.545	11.753	11.892	11.753	11.545	11.753	11.892
110	18.099	17.925	17.566	17.925	18.099	17.925	17.566	17.925	18.099
115	24.526	24.375	24.005	24.375	24.526	24.375	24.005	24.375	24.526
120	32.134	32.111	31.694	32.111	32.134	32.111	31.694	32.111	32.134
125	43.899	44.107	43.250	44.107	43.899	44.107	43.250	44.107	43.899
130	62.438	63.179	61.905	63.179	62.438	63.179	61.905	63.179	62.438
135	93.703	95.046	93.981	95.046	93.703	95.046	93.981	95.046	93.703
140	171.380	177.656	185.264	177.656	171.380	177.656	185.264	177.656	171.380
145	604.750	606.499	618.901	606.499	604.750	606.499	618.901	606.499	604.750
150	1415.504	1394.568	1405.626	1394.568	1415.504	1394.568	1405.626	1394.568	1415.504
155	2065.230	2071.309	2081.001	2071.309	2065.230	2071.309	2081.001	2071.309	2065.230
160	3081.187	3103.189	3117.652	3103.189	3081.187	3103.189	3117.652	3103.189	3081.187
165	4680.496	4710.869	4708.577	4710.869	4680.496	4710.869	4708.577	4710.869	4680.496
170	6416.294	6375.592	6318.839	6375.592	6416.294	6375.592	6318.839	6375.592	6416.294
175	7357.574	7310.306	7260.872	7310.306	7357.574	7310.306	7260.872	7310.306	7357.574
180	7404.067	7404.067	7404.067	7404.067	7404.067	7404.067	7404.067	7404.067	7404.067

COEFFICIENTS OF UTILIZATION



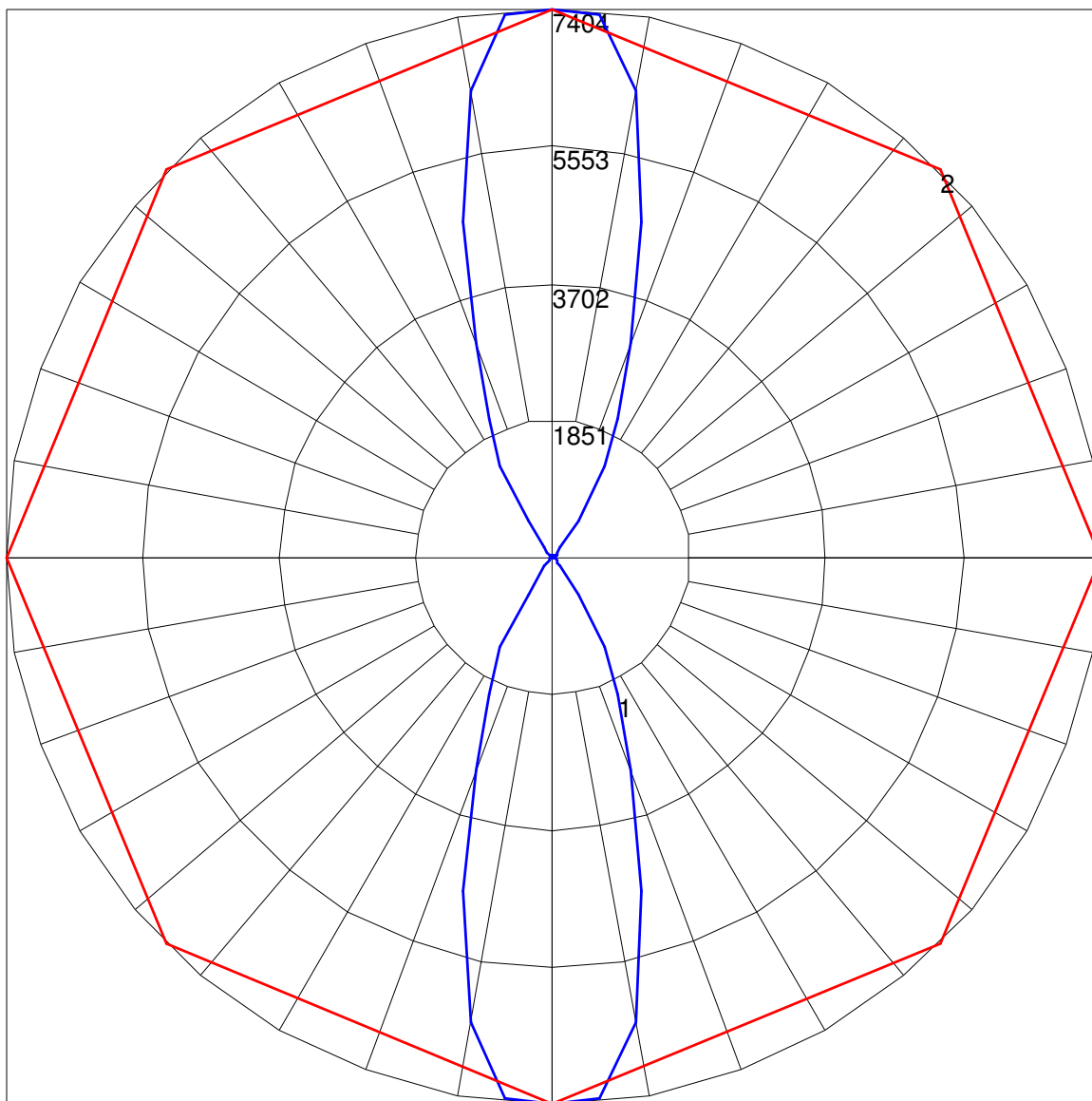
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1768.7	25.0
Downward House Side	1768.7	25.0
Downward Total	3537.4	50.0
Upward Street Side	1768.7	25.0
Upward House Side	1768.7	25.0
Upward Total	3537.4	50.0
Total Flux	7074.8	100.0

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POLAR GRAPH



Maximum Candela = 7404.252 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

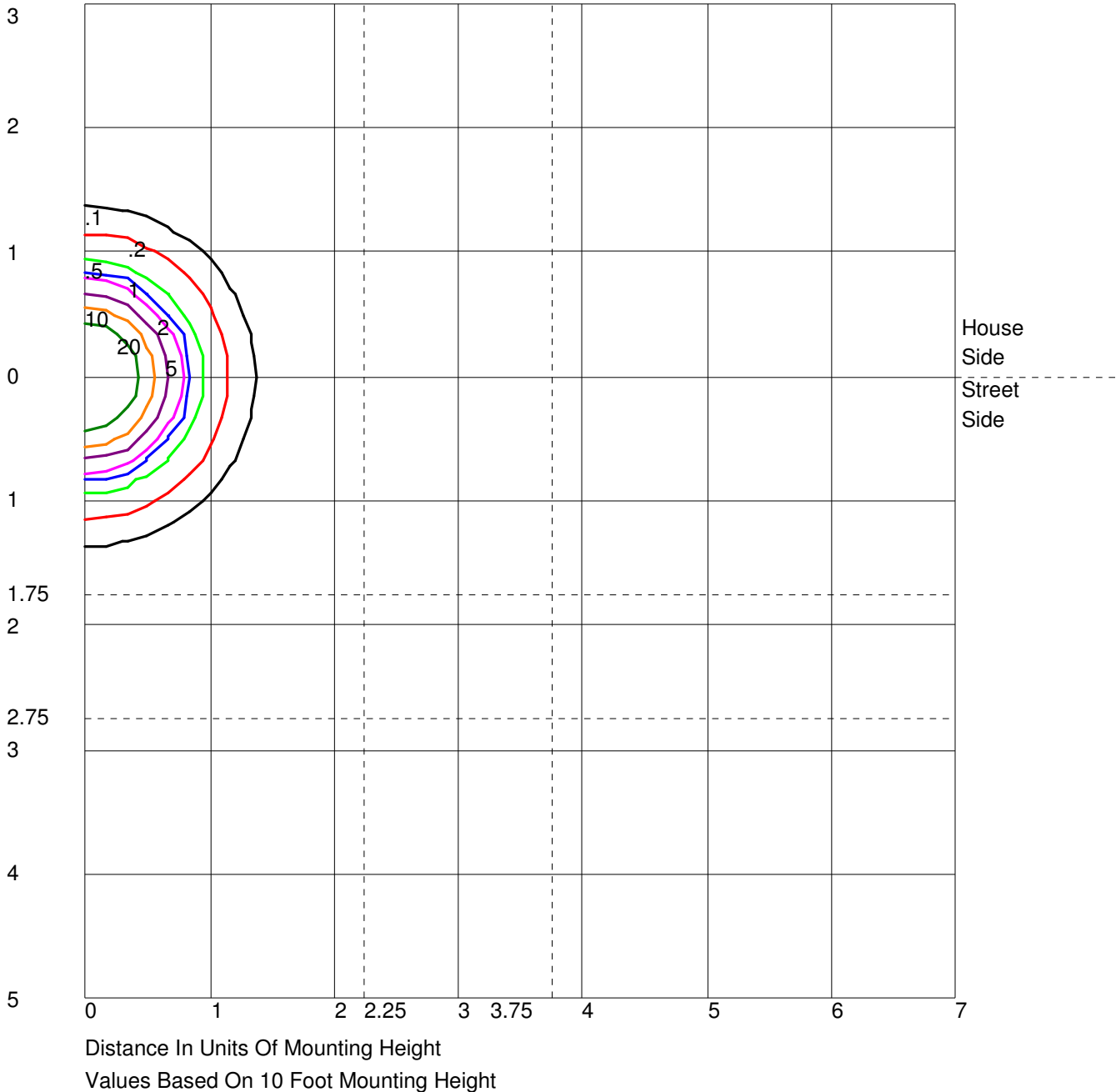


PHOTO LUMENS

