

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-850U-L40-850D-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-L40-850U-L40-850D-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	7296
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7635.631
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7635.631
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.549 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.21 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L40-850U-L40-850D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1519.9	N.A.	20.8
FM - Front-Medium (30-60)	283.8	N.A.	3.9
FH - Front-High (60-80)	19.0	N.A.	0.3
FVH - Front-Very High (80-90)	1.2	N.A.	0.0
BL - Back-Low (0-30)	1519.9	N.A.	20.8
BM - Back-Medium (30-60)	283.8	N.A.	3.9
BH - Back-High (60-80)	19.0	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)	3645.5	N.A.	50.0
Total	7295.8	N.A.	100.0
BUG Rating	B3-U5-G0		

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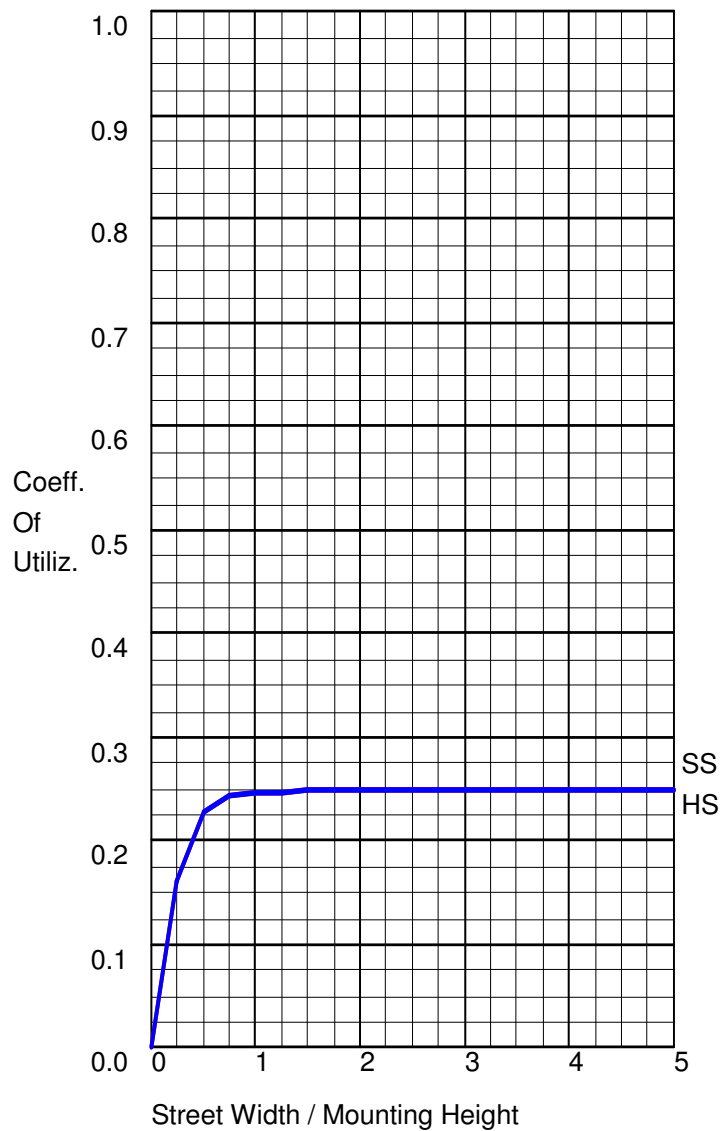
## CANDELA TABULATION

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	7635.631	7635.631	7635.631	7635.631	7635.631	7635.631	7635.631	7635.631	7635.631
5	7587.494	7538.749	7487.770	7538.749	7587.494	7538.749	7487.770	7538.749	7587.494
10	6616.800	6574.825	6516.300	6574.825	6616.800	6574.825	6516.300	6574.825	6616.800
15	4826.759	4858.081	4855.717	4858.081	4826.759	4858.081	4855.717	4858.081	4826.759
20	3177.473	3200.162	3215.077	3200.162	3177.473	3200.162	3215.077	3200.162	3177.473
25	2129.767	2136.036	2146.031	2136.036	2129.767	2136.036	2146.031	2136.036	2129.767
30	1459.738	1438.147	1449.551	1438.147	1459.738	1438.147	1449.551	1438.147	1459.738
35	623.648	625.452	638.241	625.452	623.648	625.452	638.241	625.452	623.648
40	176.735	183.208	191.053	183.208	176.735	183.208	191.053	183.208	176.735
45	96.631	98.016	96.918	98.016	96.631	98.016	96.918	98.016	96.631
50	64.389	65.153	63.840	65.153	64.389	65.153	63.840	65.153	64.389
55	45.270	45.485	44.602	45.485	45.270	45.485	44.602	45.485	45.270
60	33.138	33.114	32.684	33.114	33.138	33.114	32.684	33.114	33.138
65	25.292	25.137	24.755	25.137	25.292	25.137	24.755	25.137	25.292
70	18.665	18.486	18.115	18.486	18.665	18.486	18.115	18.486	18.665
75	12.264	12.121	11.906	12.121	12.264	12.121	11.906	12.121	12.264
80	6.198	6.210	6.174	6.210	6.198	6.210	6.174	6.210	6.198
85	1.206	1.206	1.206	1.206	1.206	1.206	1.206	1.206	1.206
90	0.454	0.525	0.549	0.525	0.454	0.525	0.549	0.525	0.454
95	1.206	1.206	1.206	1.206	1.206	1.206	1.206	1.206	1.206
100	6.198	6.210	6.174	6.210	6.198	6.210	6.174	6.210	6.198
105	12.264	12.121	11.906	12.121	12.264	12.121	11.906	12.121	12.264
110	18.665	18.486	18.115	18.486	18.665	18.486	18.115	18.486	18.665
115	25.292	25.137	24.755	25.137	25.292	25.137	24.755	25.137	25.292
120	33.138	33.114	32.684	33.114	33.138	33.114	32.684	33.114	33.138
125	45.270	45.485	44.602	45.485	45.270	45.485	44.602	45.485	45.270
130	64.389	65.153	63.840	65.153	64.389	65.153	63.840	65.153	64.389
135	96.631	98.016	96.918	98.016	96.631	98.016	96.918	98.016	96.631
140	176.735	183.208	191.053	183.208	176.735	183.208	191.053	183.208	176.735
145	623.648	625.452	638.241	625.452	623.648	625.452	638.241	625.452	623.648
150	1459.738	1438.147	1449.551	1438.147	1459.738	1438.147	1449.551	1438.147	1459.738
155	2129.767	2136.036	2146.031	2136.036	2129.767	2136.036	2146.031	2136.036	2129.767
160	3177.473	3200.162	3215.077	3200.162	3177.473	3200.162	3215.077	3200.162	3177.473
165	4826.759	4858.081	4855.717	4858.081	4826.759	4858.081	4855.717	4858.081	4826.759
170	6616.800	6574.825	6516.300	6574.825	6616.800	6574.825	6516.300	6574.825	6616.800
175	7587.494	7538.749	7487.770	7538.749	7587.494	7538.749	7487.770	7538.749	7587.494
180	7635.440	7635.440	7635.440	7635.440	7635.440	7635.440	7635.440	7635.440	7635.440

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### COEFFICIENTS OF UTILIZATION



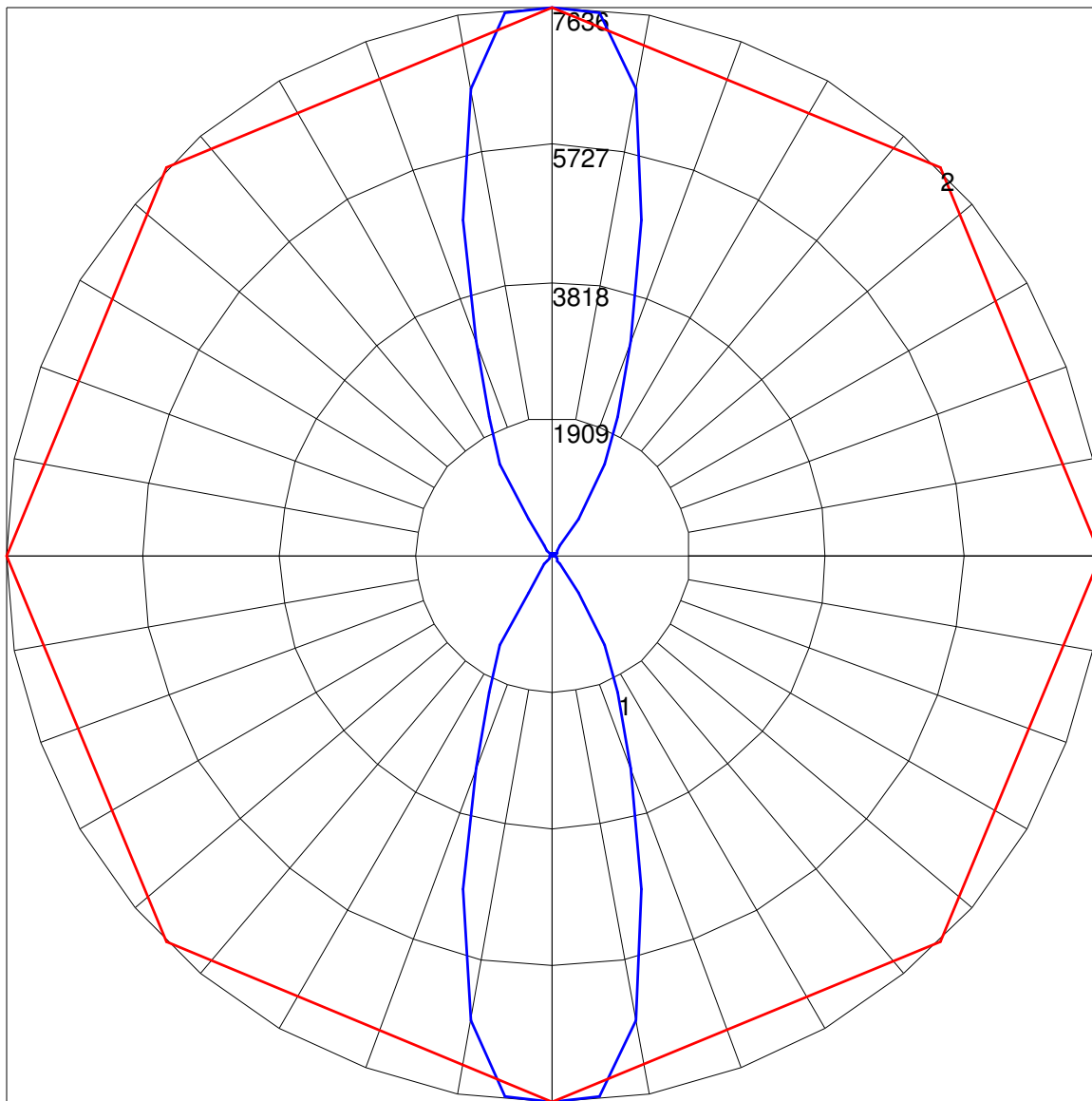
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1824.0	25.0
Downward House Side	1824.0	25.0
Downward Total	3648.0	50.0
Upward Street Side	1824.0	25.0
Upward House Side	1824.0	25.0
Upward Total	3648.0	50.0
Total Flux	7296.0	100.0

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## POLAR GRAPH

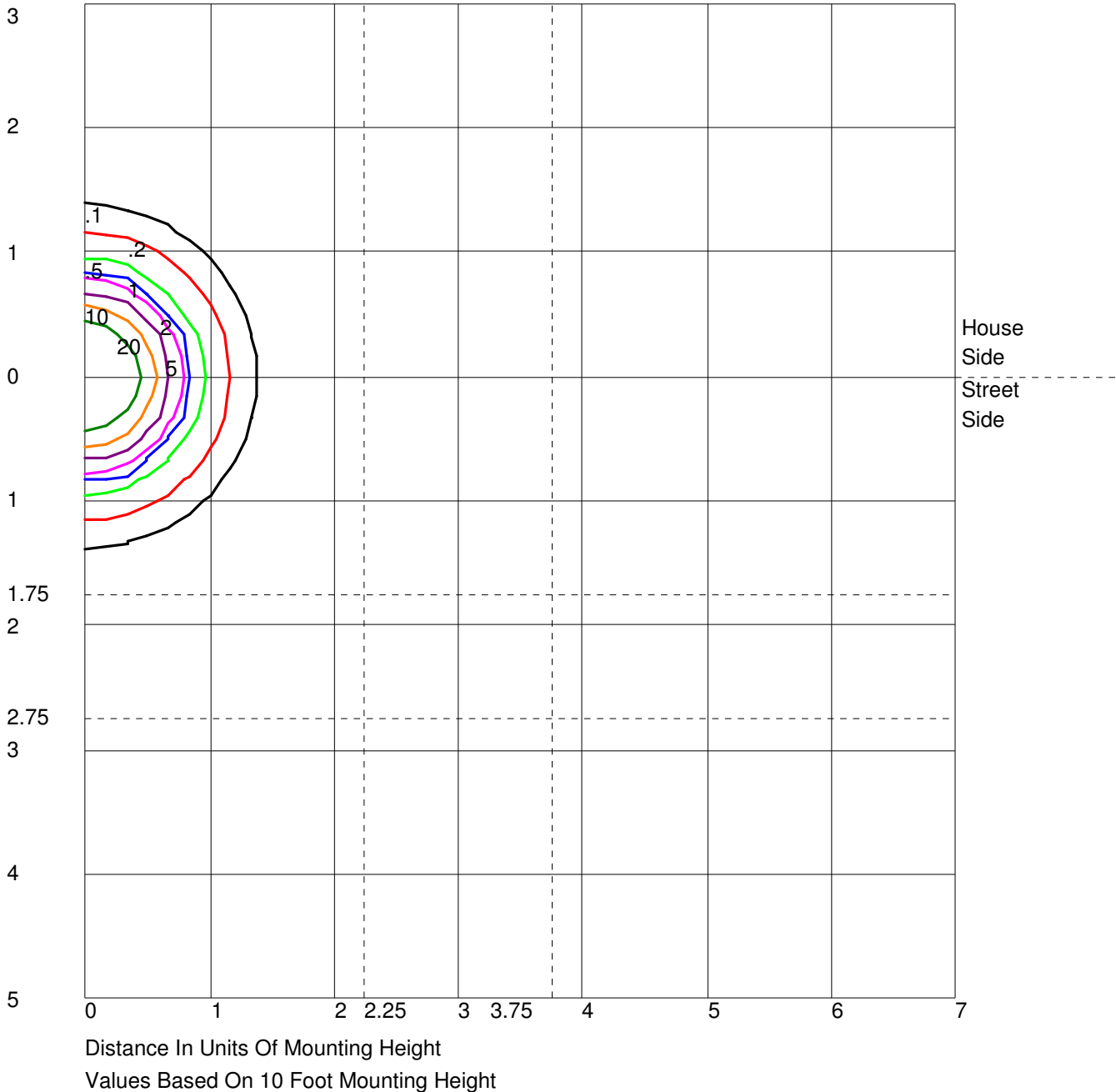


Maximum Candela = 7635.631 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

