

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-840U-L40-840D-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-L40-840U-L40-840D-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	7443
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7789.89
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7789.89
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.56 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.335 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-840U-L40-840D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1550.6	N.A.	20.8
FM - Front-Medium (30-60)	289.6	N.A.	3.9
FH - Front-High (60-80)	19.4	N.A.	0.3
FVH - Front-Very High (80-90)	1.3	N.A.	0.0
BL - Back-Low (0-30)	1550.6	N.A.	20.8
BM - Back-Medium (30-60)	289.6	N.A.	3.9
BH - Back-High (60-80)	19.4	N.A.	0.3
BVH - Back-Very High (80-90)	1.3	N.A.	0.0
UL - Uplight-Low (90-100)	2.5	N.A.	0.0
UH - Uplight-High (100-180)	3719.2	N.A.	50.0
Total	7443.5	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	7789.890	7789.890	7789.890	7789.890	7789.890	7789.890	7789.890	7789.890	7789.890
5	7740.781	7691.051	7639.042	7691.051	7740.781	7691.051	7639.042	7691.051	7740.781
10	6750.476	6707.653	6647.945	6707.653	6750.476	6707.653	6647.945	6707.653	6750.476
15	4924.271	4956.227	4953.815	4956.227	4924.271	4956.227	4953.815	4956.227	4924.271
20	3241.666	3264.813	3280.029	3264.813	3241.666	3264.813	3280.029	3264.813	3241.666
25	2172.794	2179.190	2189.387	2179.190	2172.794	2179.190	2189.387	2179.190	2172.794
30	1489.228	1467.201	1478.836	1467.201	1489.228	1467.201	1478.836	1467.201	1489.228
35	636.248	638.087	651.135	638.087	636.248	638.087	651.135	638.087	636.248
40	180.306	186.909	194.913	186.909	180.306	186.909	194.913	186.909	180.306
45	98.583	99.997	98.876	99.997	98.583	99.997	98.876	99.997	98.583
50	65.690	66.469	65.129	66.469	65.690	66.469	65.129	66.469	65.690
55	46.185	46.404	45.503	46.404	46.185	46.404	45.503	46.404	46.185
60	33.807	33.783	33.344	33.783	33.807	33.783	33.344	33.783	33.807
65	25.803	25.645	25.255	25.645	25.803	25.645	25.255	25.645	25.803
70	19.042	18.859	18.481	18.859	19.042	18.859	18.481	18.859	19.042
75	12.512	12.366	12.146	12.366	12.512	12.366	12.146	12.366	12.512
80	6.323	6.335	6.299	6.335	6.323	6.335	6.299	6.335	6.323
85	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230
90	0.463	0.536	0.560	0.536	0.463	0.536	0.560	0.536	0.463
95	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230	1.230
100	6.323	6.335	6.299	6.335	6.323	6.335	6.299	6.335	6.323
105	12.512	12.366	12.146	12.366	12.512	12.366	12.146	12.366	12.512
110	19.042	18.859	18.481	18.859	19.042	18.859	18.481	18.859	19.042
115	25.803	25.645	25.255	25.645	25.803	25.645	25.255	25.645	25.803
120	33.807	33.783	33.344	33.783	33.807	33.783	33.344	33.783	33.807
125	46.185	46.404	45.503	46.404	46.185	46.404	45.503	46.404	46.185
130	65.690	66.469	65.129	66.469	65.690	66.469	65.129	66.469	65.690
135	98.583	99.997	98.876	99.997	98.583	99.997	98.876	99.997	98.583
140	180.306	186.909	194.913	186.909	180.306	186.909	194.913	186.909	180.306
145	636.248	638.087	651.135	638.087	636.248	638.087	651.135	638.087	636.248
150	1489.228	1467.201	1478.836	1467.201	1489.228	1467.201	1478.836	1467.201	1489.228
155	2172.794	2179.190	2189.387	2179.190	2172.794	2179.190	2189.387	2179.190	2172.794
160	3241.666	3264.813	3280.029	3264.813	3241.666	3264.813	3280.029	3264.813	3241.666
165	4924.271	4956.227	4953.815	4956.227	4924.271	4956.227	4953.815	4956.227	4924.271
170	6750.476	6707.653	6647.945	6707.653	6750.476	6707.653	6647.945	6707.653	6750.476
175	7740.781	7691.051	7639.042	7691.051	7740.781	7691.051	7639.042	7691.051	7740.781
180	7789.695	7789.695	7789.695	7789.695	7789.695	7789.695	7789.695	7789.695	7789.695

COEFFICIENTS OF UTILIZATION



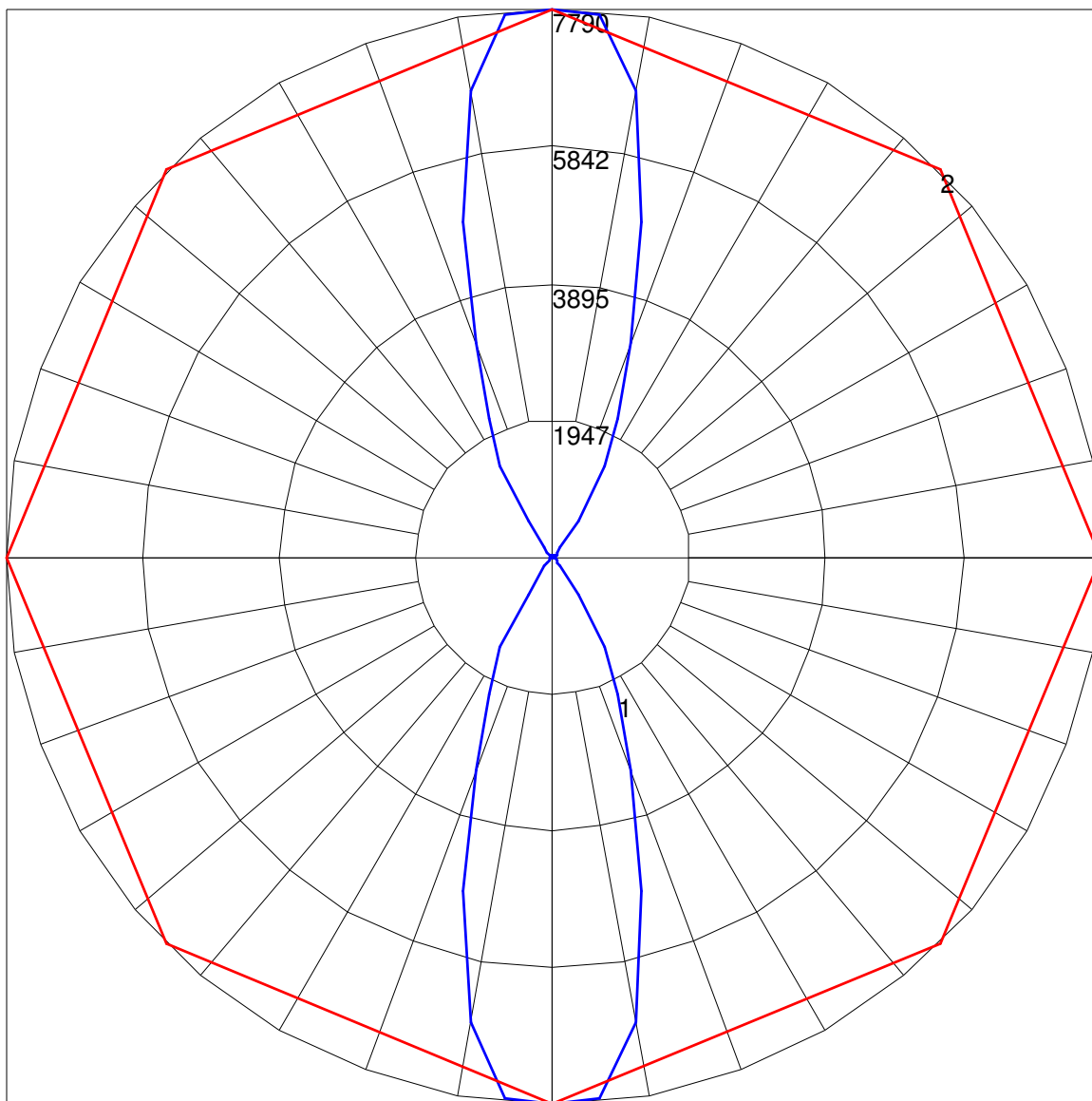
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1860.9	25.0
Downward House Side	1860.9	25.0
Downward Total	3721.8	50.0
Upward Street Side	1860.9	25.0
Upward House Side	1860.9	25.0
Upward Total	3721.8	50.0
Total Flux	7443.6	100.0

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POLAR GRAPH

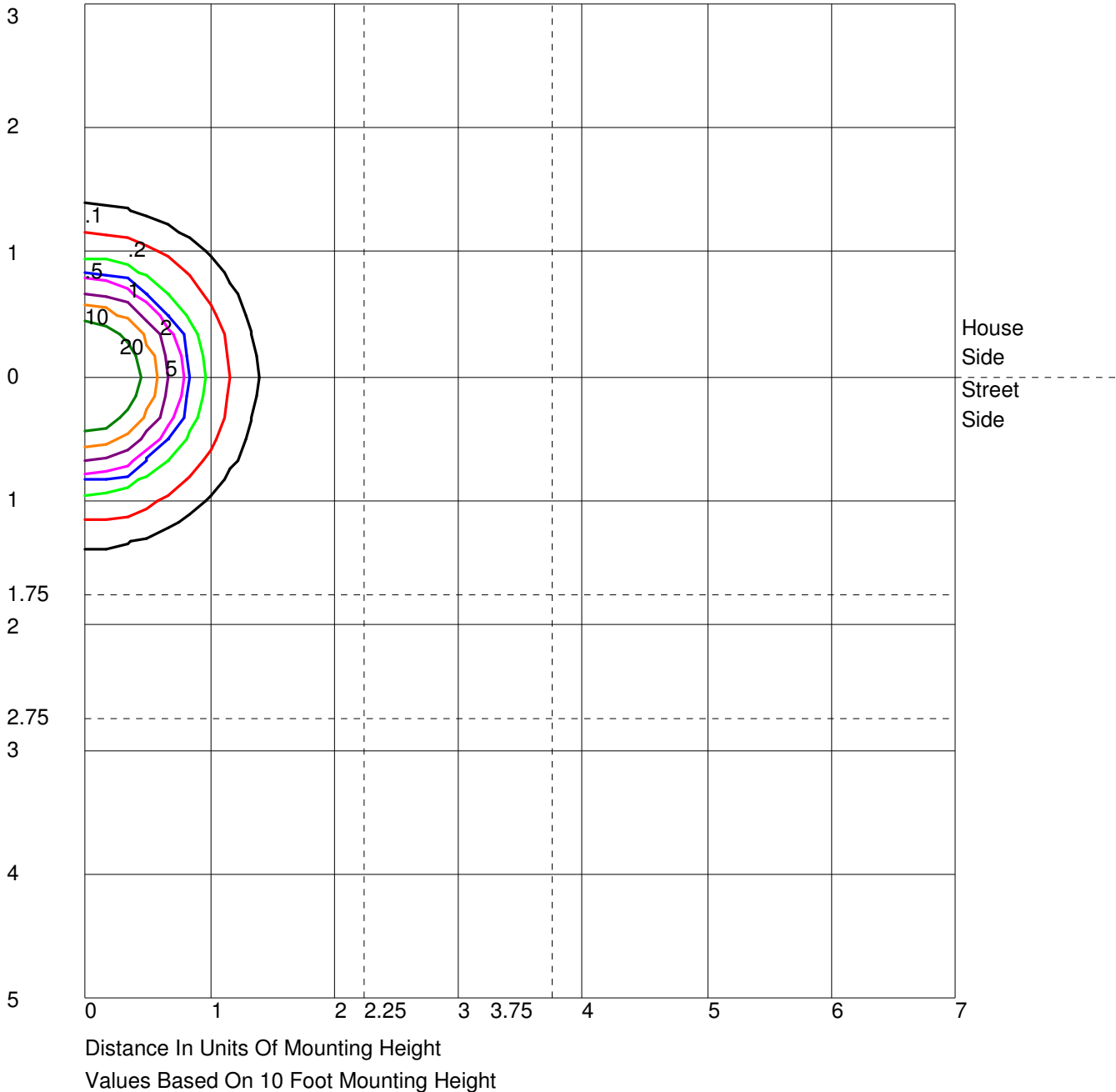


Maximum Candela = 7789.89 Located At Horizontal Angle = 360, Vertical Angle = 0

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



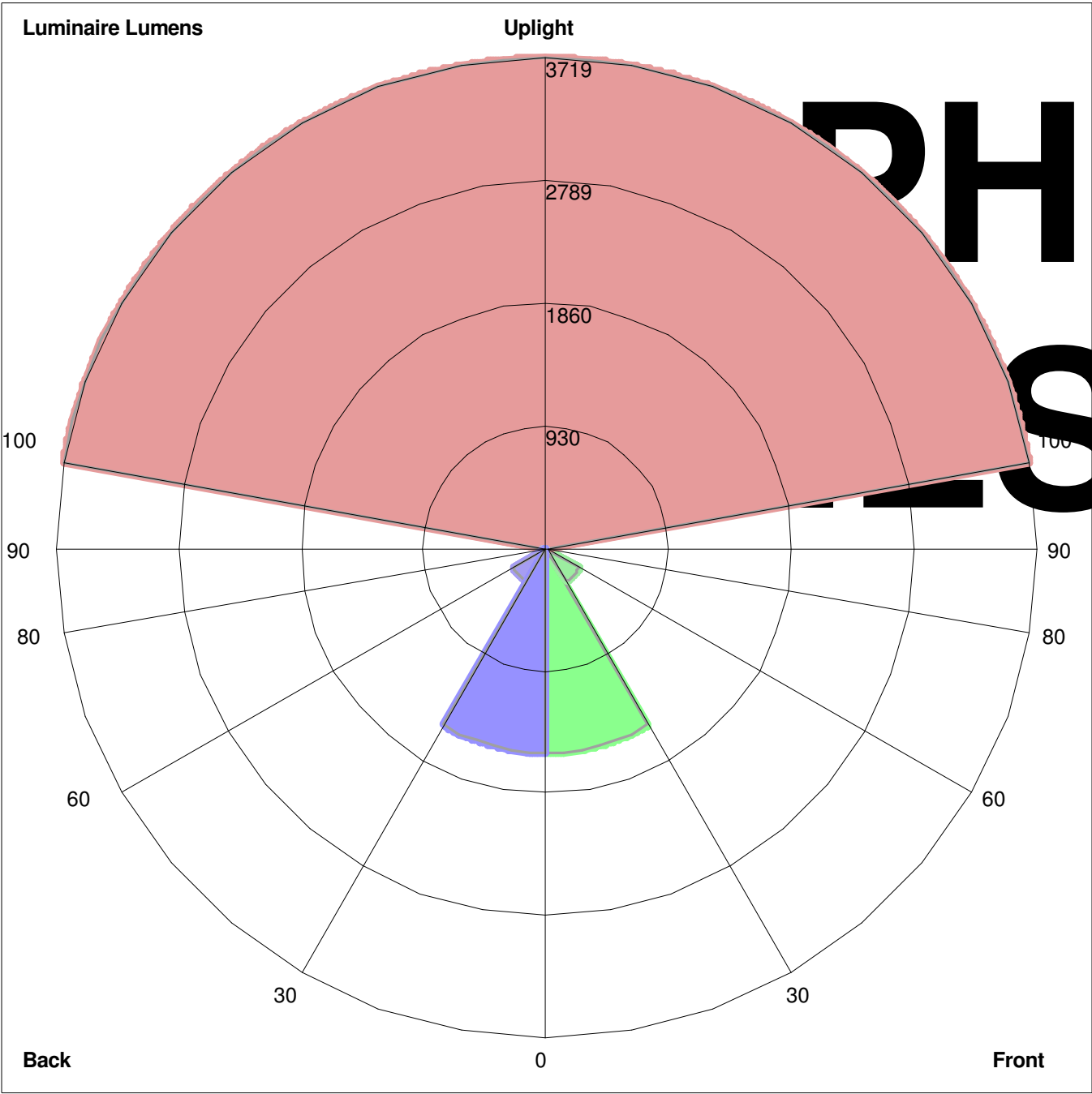


PHOTO
LUMENS