

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-835U-L40-835D-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-L40-835U-L40-835D-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	7370
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7712.757
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7712.757
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.555 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.272 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-835U-L40-835D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1535.3	N.A.	20.8
FM - Front-Medium (30-60)	286.7	N.A.	3.9
FH - Front-High (60-80)	19.2	N.A.	0.3
FVH - Front-Very High (80-90)	1.3	N.A.	0.0
BL - Back-Low (0-30)	1535.3	N.A.	20.8
BM - Back-Medium (30-60)	286.7	N.A.	3.9
BH - Back-High (60-80)	19.2	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)	3682.4	N.A.	50.0
Total	7369.9	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	7712.757	7712.757	7712.757	7712.757	7712.757	7712.757	7712.757	7712.757	7712.757
5	7664.134	7614.896	7563.403	7614.896	7664.134	7614.896	7563.403	7614.896	7664.134
10	6683.635	6641.237	6582.120	6641.237	6683.635	6641.237	6582.120	6641.237	6683.635
15	4875.513	4907.152	4904.764	4907.152	4875.513	4907.152	4904.764	4907.152	4875.513
20	3209.568	3232.486	3247.552	3232.486	3209.568	3232.486	3247.552	3232.486	3209.568
25	2151.279	2157.612	2167.708	2157.612	2151.279	2157.612	2167.708	2157.612	2151.279
30	1474.482	1452.674	1464.193	1452.674	1474.482	1452.674	1464.193	1452.674	1474.482
35	629.948	631.769	644.688	631.769	629.948	631.769	644.688	631.769	629.948
40	178.520	185.058	192.983	185.058	178.520	185.058	192.983	185.058	178.520
45	97.607	99.006	97.897	99.006	97.607	99.006	97.897	99.006	97.607
50	65.039	65.811	64.484	65.811	65.039	65.811	64.484	65.811	65.039
55	45.728	45.945	45.052	45.945	45.728	45.945	45.052	45.945	45.728
60	33.473	33.448	33.014	33.448	33.473	33.448	33.014	33.448	33.473
65	25.548	25.391	25.005	25.391	25.548	25.391	25.005	25.391	25.548
70	18.853	18.672	18.298	18.672	18.853	18.672	18.298	18.672	18.853
75	12.388	12.243	12.026	12.243	12.388	12.243	12.026	12.243	12.388
80	6.260	6.272	6.236	6.272	6.260	6.272	6.236	6.272	6.260
85	1.218	1.218	1.218	1.218	1.218	1.218	1.218	1.218	1.218
90	0.458	0.531	0.555	0.531	0.458	0.531	0.555	0.531	0.458
95	1.218	1.218	1.218	1.218	1.218	1.218	1.218	1.218	1.218
100	6.260	6.272	6.236	6.272	6.260	6.272	6.236	6.272	6.260
105	12.388	12.243	12.026	12.243	12.388	12.243	12.026	12.243	12.388
110	18.853	18.672	18.298	18.672	18.853	18.672	18.298	18.672	18.853
115	25.548	25.391	25.005	25.391	25.548	25.391	25.005	25.391	25.548
120	33.473	33.448	33.014	33.448	33.473	33.448	33.014	33.448	33.473
125	45.728	45.945	45.052	45.945	45.728	45.945	45.052	45.945	45.728
130	65.039	65.811	64.484	65.811	65.039	65.811	64.484	65.811	65.039
135	97.607	99.006	97.897	99.006	97.607	99.006	97.897	99.006	97.607
140	178.520	185.058	192.983	185.058	178.520	185.058	192.983	185.058	178.520
145	629.948	631.769	644.688	631.769	629.948	631.769	644.688	631.769	629.948
150	1474.482	1452.674	1464.193	1452.674	1474.482	1452.674	1464.193	1452.674	1474.482
155	2151.279	2157.612	2167.708	2157.612	2151.279	2157.612	2167.708	2157.612	2151.279
160	3209.568	3232.486	3247.552	3232.486	3209.568	3232.486	3247.552	3232.486	3209.568
165	4875.513	4907.152	4904.764	4907.152	4875.513	4907.152	4904.764	4907.152	4875.513
170	6683.635	6641.237	6582.120	6641.237	6683.635	6641.237	6582.120	6641.237	6683.635
175	7664.134	7614.896	7563.403	7614.896	7664.134	7614.896	7563.403	7614.896	7664.134
180	7712.564	7712.564	7712.564	7712.564	7712.564	7712.564	7712.564	7712.564	7712.564

COEFFICIENTS OF UTILIZATION



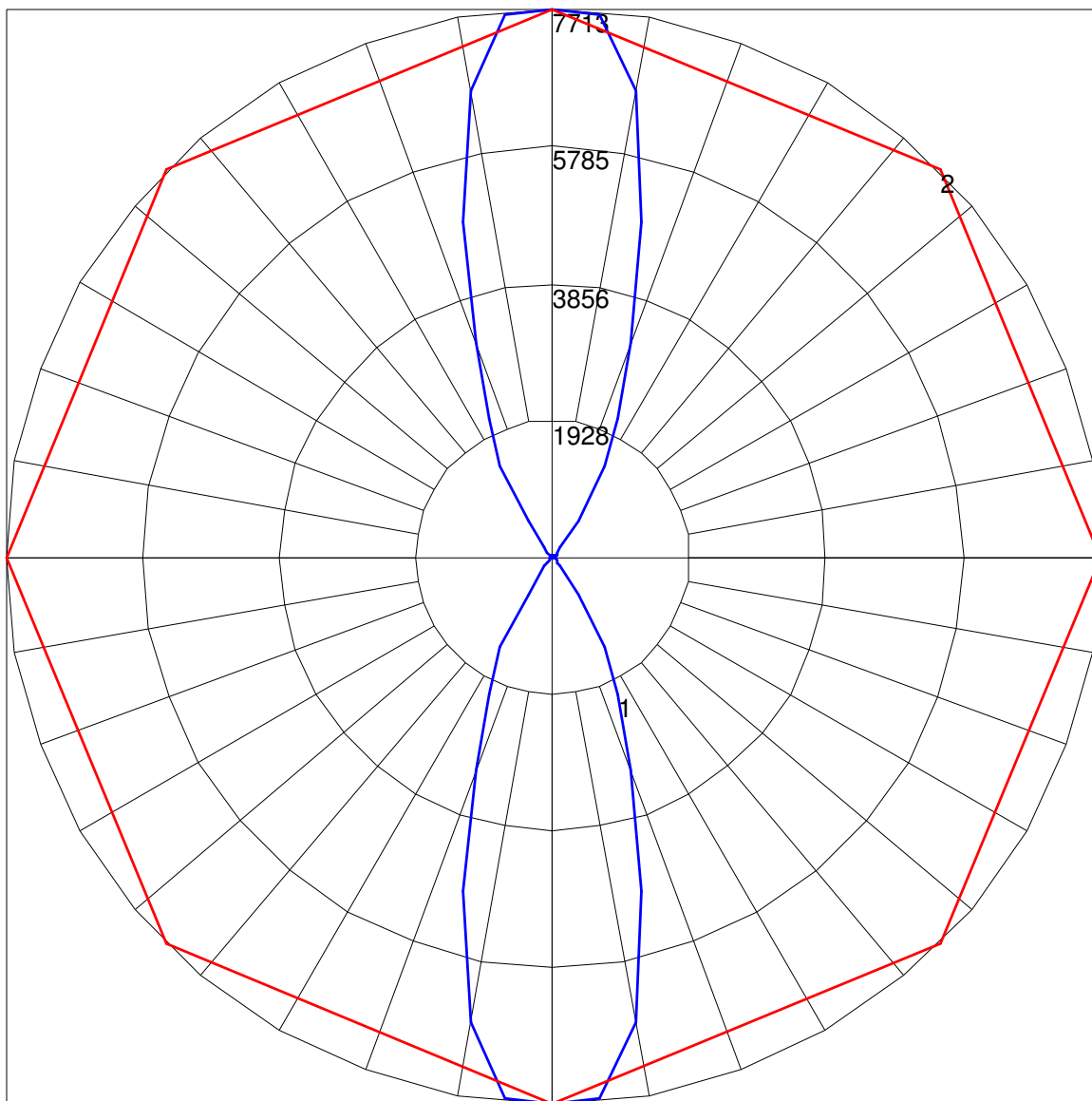
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1842.4	25.0
Downward House Side	1842.4	25.0
Downward Total	3684.8	50.0
Upward Street Side	1842.4	25.0
Upward House Side	1842.4	25.0
Upward Total	3684.8	50.0
Total Flux	7369.6	100.0

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POLAR GRAPH

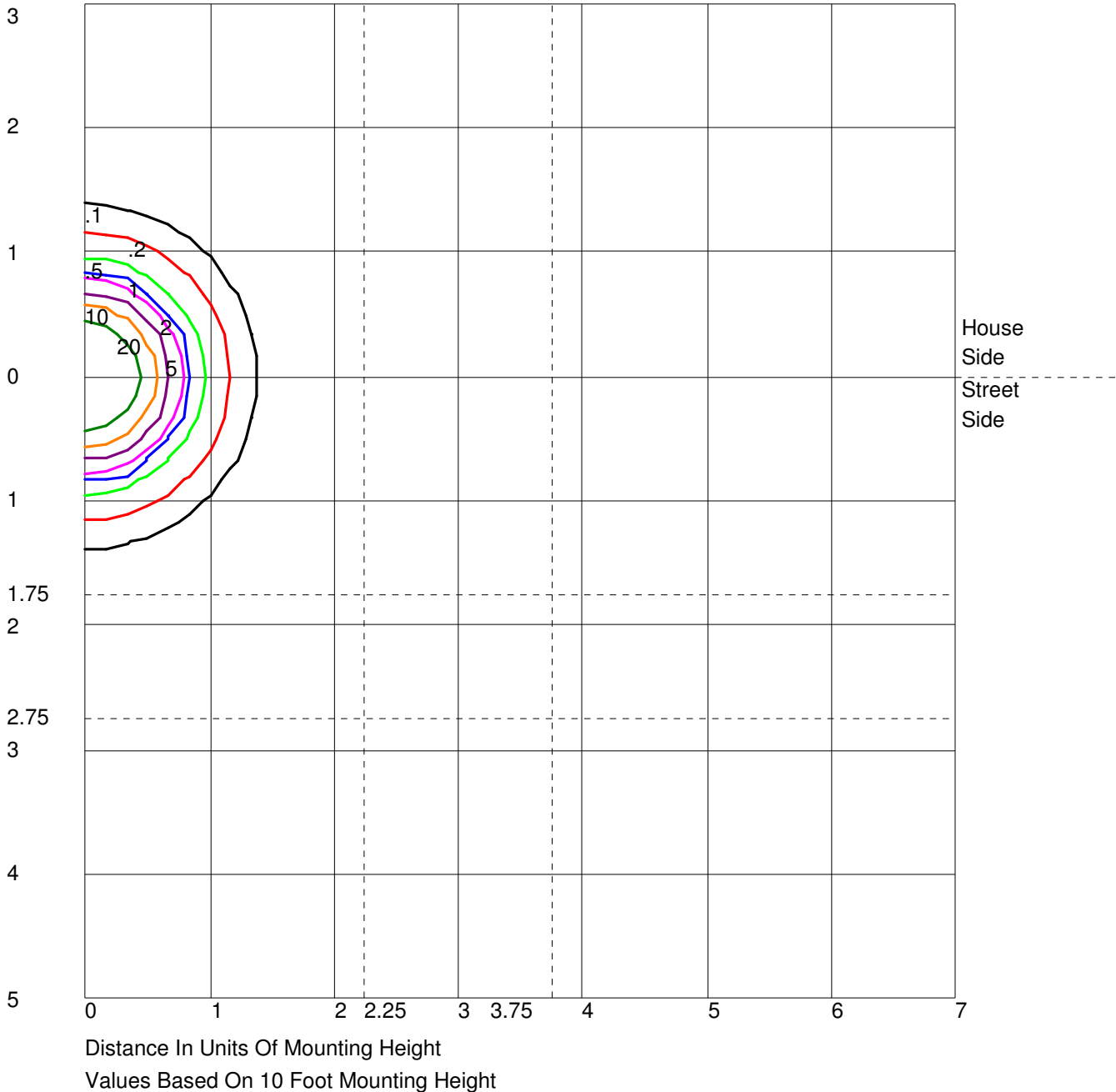


Maximum Candela = 7712.757 Located At Horizontal Angle = 360, Vertical Angle = 0

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



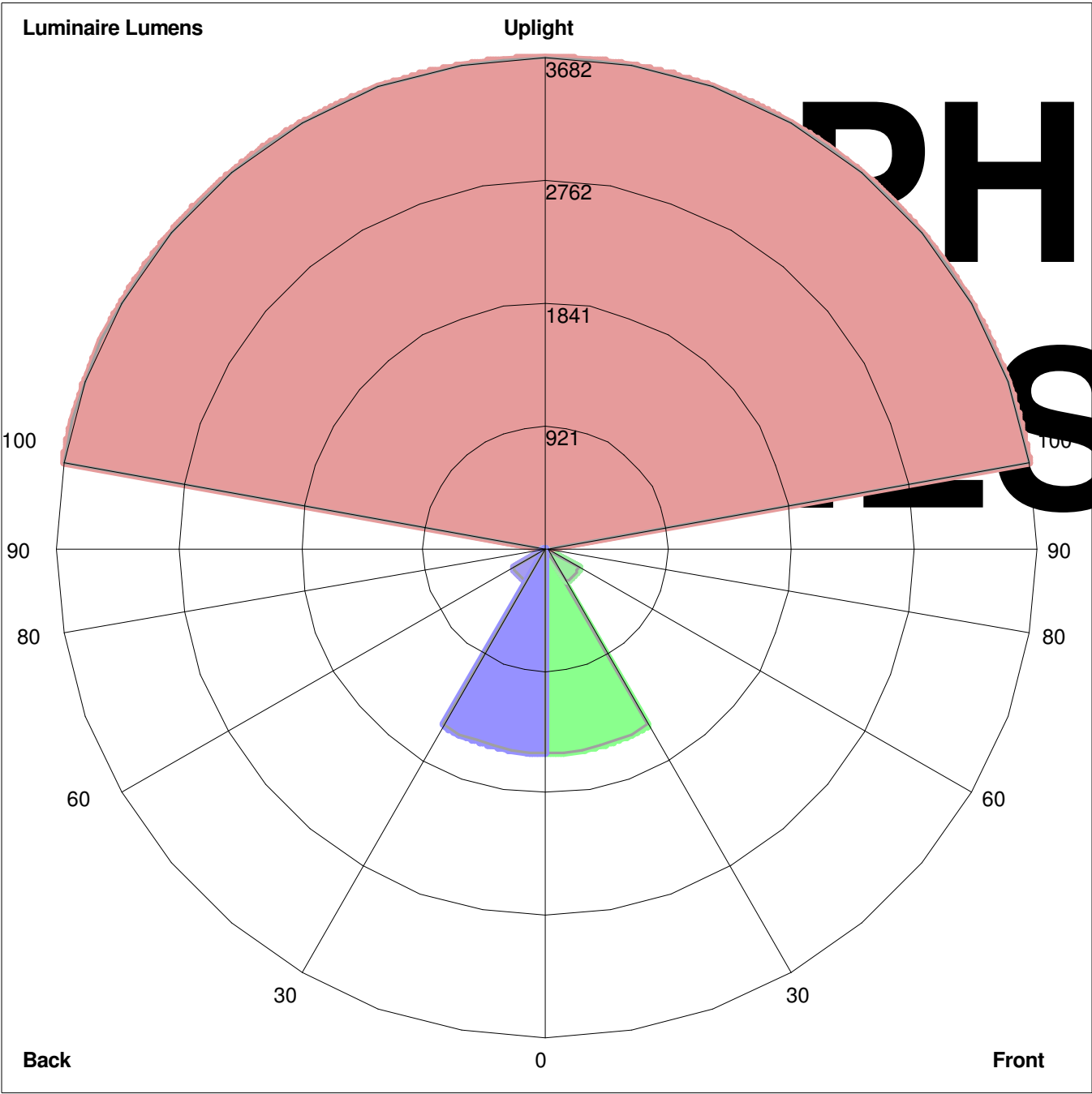


PHOTO
LUMENS