

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-840U-L40-840D-XXX-DIM-UNV-W-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(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-W-xx  
[LUMINAIRE] 6 INCH ROUND DIRECT INDIRECT WET LOCATION LED  
[MORE] CYLINDER WITH WIDE DIST  
[LAMPCAT] BL VERO 18  
[LAMP] LED  
[OTHER] Absolute Photometry

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8170
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3403.536
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3403.536
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.263 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	21.098 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1084.5	N.A.	13.3
FM - Front-Medium (30-60)	819.8	N.A.	10.0
FH - Front-High (60-80)	133.3	N.A.	1.6
FVH - Front-Very High (80-90)	5.0	N.A.	0.1
BL - Back-Low (0-30)	1084.5	N.A.	13.3
BM - Back-Medium (30-60)	819.8	N.A.	10.0
BH - Back-High (60-80)	133.3	N.A.	1.6
BVH - Back-Very High (80-90)	5.0	N.A.	0.1
UL - Uplight-Low (90-100)	9.9	N.A.	0.1
UH - Uplight-High (100-180)	4075.2	N.A.	49.9
Total	8170.3	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	3403.536	3403.536	3403.536	3403.536	3403.536	3403.536	3403.536	3403.536	3403.536
5	3368.468	3366.614	3360.631	3366.614	3368.468	3366.614	3360.631	3366.614	3368.468
10	3158.464	3153.762	3150.736	3153.762	3158.464	3153.762	3150.736	3153.762	3158.464
15	2828.112	2836.031	2833.196	2836.031	2828.112	2836.031	2833.196	2836.031	2828.112
20	2537.421	2542.723	2543.582	2542.723	2537.421	2542.723	2543.582	2542.723	2537.421
25	2333.374	2327.254	2328.467	2327.254	2333.374	2327.254	2328.467	2327.254	2333.374
30	2001.686	1976.308	1981.541	1976.308	2001.686	1976.308	1981.541	1976.308	2001.686
35	1202.941	1203.677	1214.731	1203.677	1202.941	1203.677	1214.731	1203.677	1202.941
40	732.096	740.614	745.589	740.614	732.096	740.614	745.589	740.614	732.096
45	619.407	620.007	618.262	620.007	619.407	620.007	618.262	620.007	619.407
50	516.722	516.886	515.714	516.886	516.722	516.886	515.714	516.886	516.722
55	409.294	408.777	406.855	408.777	409.294	408.777	406.855	408.777	409.294
60	296.796	296.047	294.261	296.047	296.796	296.047	294.261	296.047	296.796
65	197.969	197.424	196.660	197.424	197.969	197.424	196.660	197.424	197.969
70	117.405	117.405	117.391	117.405	117.405	117.405	117.391	117.405	117.405
75	58.103	58.225	58.266	58.225	58.103	58.225	58.266	58.225	58.103
80	20.826	21.030	21.098	21.030	20.826	21.030	21.098	21.030	20.826
85	6.719	6.733	6.678	6.733	6.719	6.733	6.678	6.733	6.719
90	1.772	1.990	2.263	1.990	1.772	1.990	2.263	1.990	1.772
95	6.719	6.733	6.678	6.733	6.719	6.733	6.678	6.733	6.719
100	20.826	21.030	21.098	21.030	20.826	21.030	21.098	21.030	20.826
105	58.103	58.225	58.266	58.225	58.103	58.225	58.266	58.225	58.103
110	117.405	117.405	117.391	117.405	117.405	117.405	117.391	117.405	117.405
115	197.969	197.424	196.660	197.424	197.969	197.424	196.660	197.424	197.969
120	296.796	296.047	294.261	296.047	296.796	296.047	294.261	296.047	296.796
125	409.294	408.777	406.855	408.777	409.294	408.777	406.855	408.777	409.294
130	516.722	516.886	515.714	516.886	516.722	516.886	515.714	516.886	516.722
135	619.407	620.007	618.262	620.007	619.407	620.007	618.262	620.007	619.407
140	732.096	740.614	745.589	740.614	732.096	740.614	745.589	740.614	732.096
145	1202.941	1203.677	1214.731	1203.677	1202.941	1203.677	1214.731	1203.677	1202.941
150	2001.686	1976.308	1981.541	1976.308	2001.686	1976.308	1981.541	1976.308	2001.686
155	2333.374	2327.254	2328.467	2327.254	2333.374	2327.254	2328.467	2327.254	2333.374
160	2537.421	2542.723	2543.582	2542.723	2537.421	2542.723	2543.582	2542.723	2537.421
165	2828.112	2836.031	2833.196	2836.031	2828.112	2836.031	2833.196	2836.031	2828.112
170	3158.464	3153.762	3150.736	3153.762	3158.464	3153.762	3150.736	3153.762	3158.464
175	3368.468	3366.614	3360.631	3366.614	3368.468	3366.614	3360.631	3366.614	3368.468
180	3403.291	3403.291	3403.291	3403.291	3403.291	3403.291	3403.291	3403.291	3403.291

COEFFICIENTS OF UTILIZATION



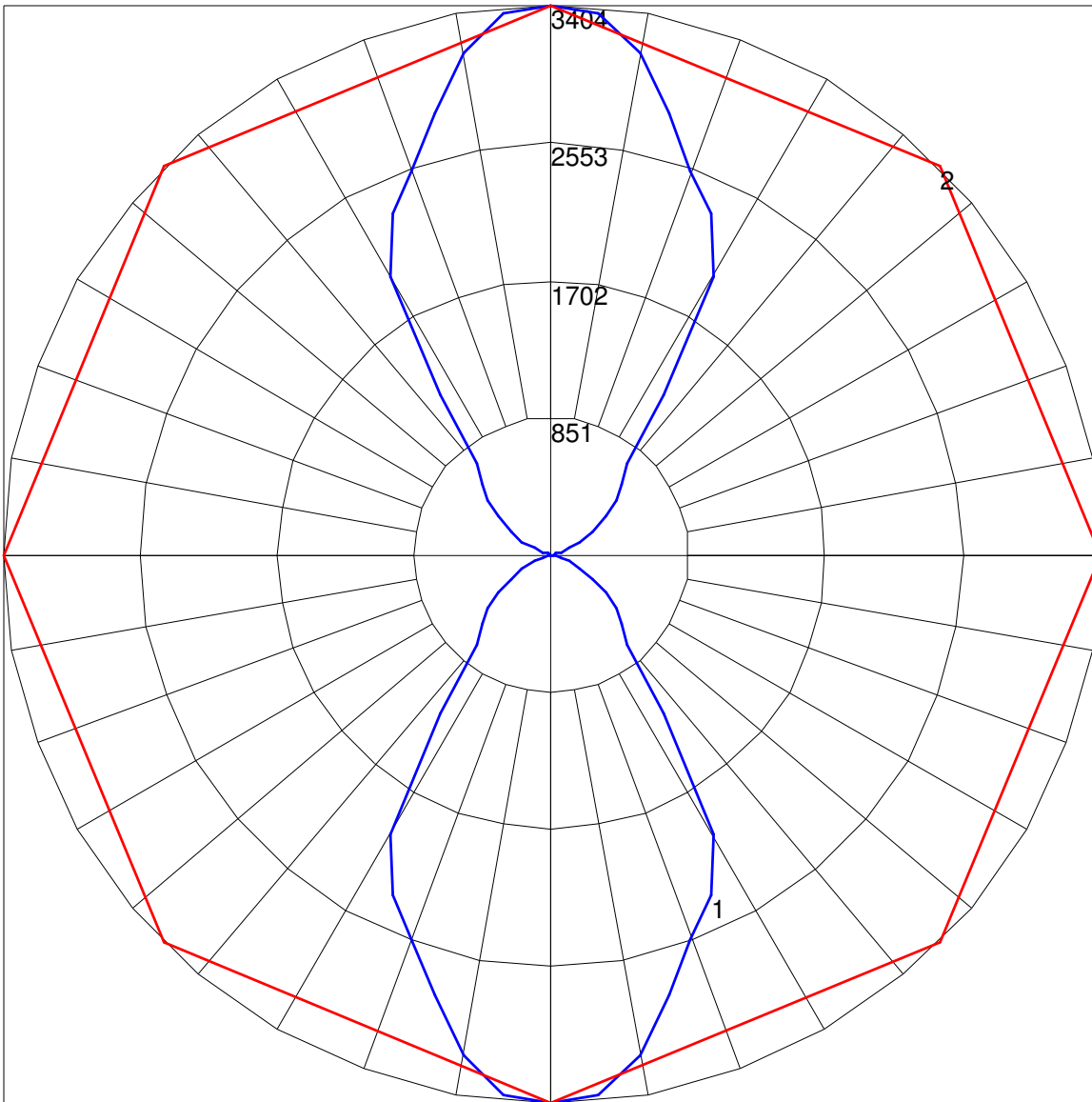
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2042.6	25.0
Downward House Side	2042.6	25.0
Downward Total	4085.2	50.0
Upward Street Side	2042.6	25.0
Upward House Side	2042.6	25.0
Upward Total	4085.2	50.0
Total Flux	8170.4	100.0

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## POLAR GRAPH



Maximum Candela = 3403.536 Located At Horizontal Angle = 360, Vertical Angle = 0

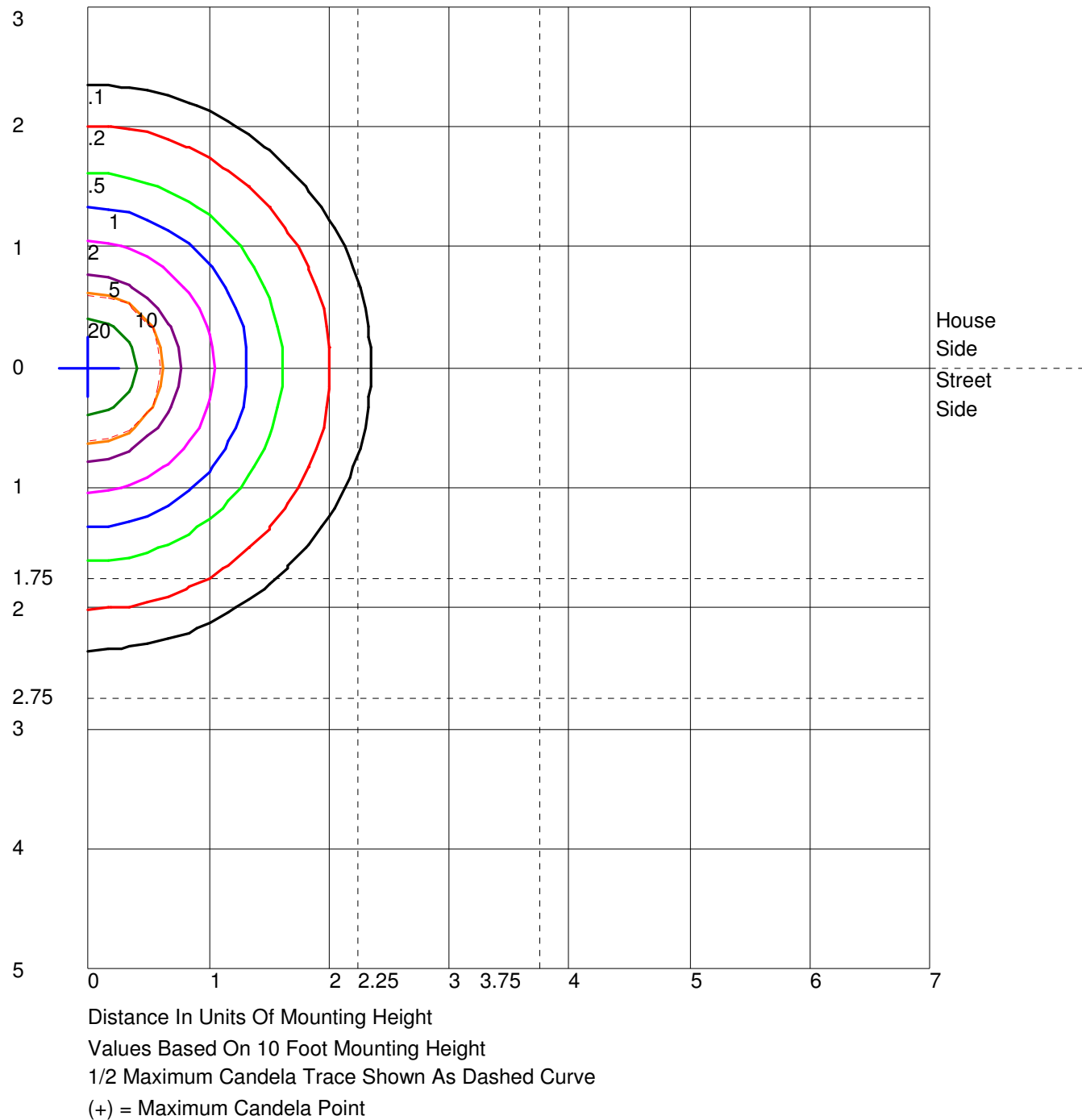
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

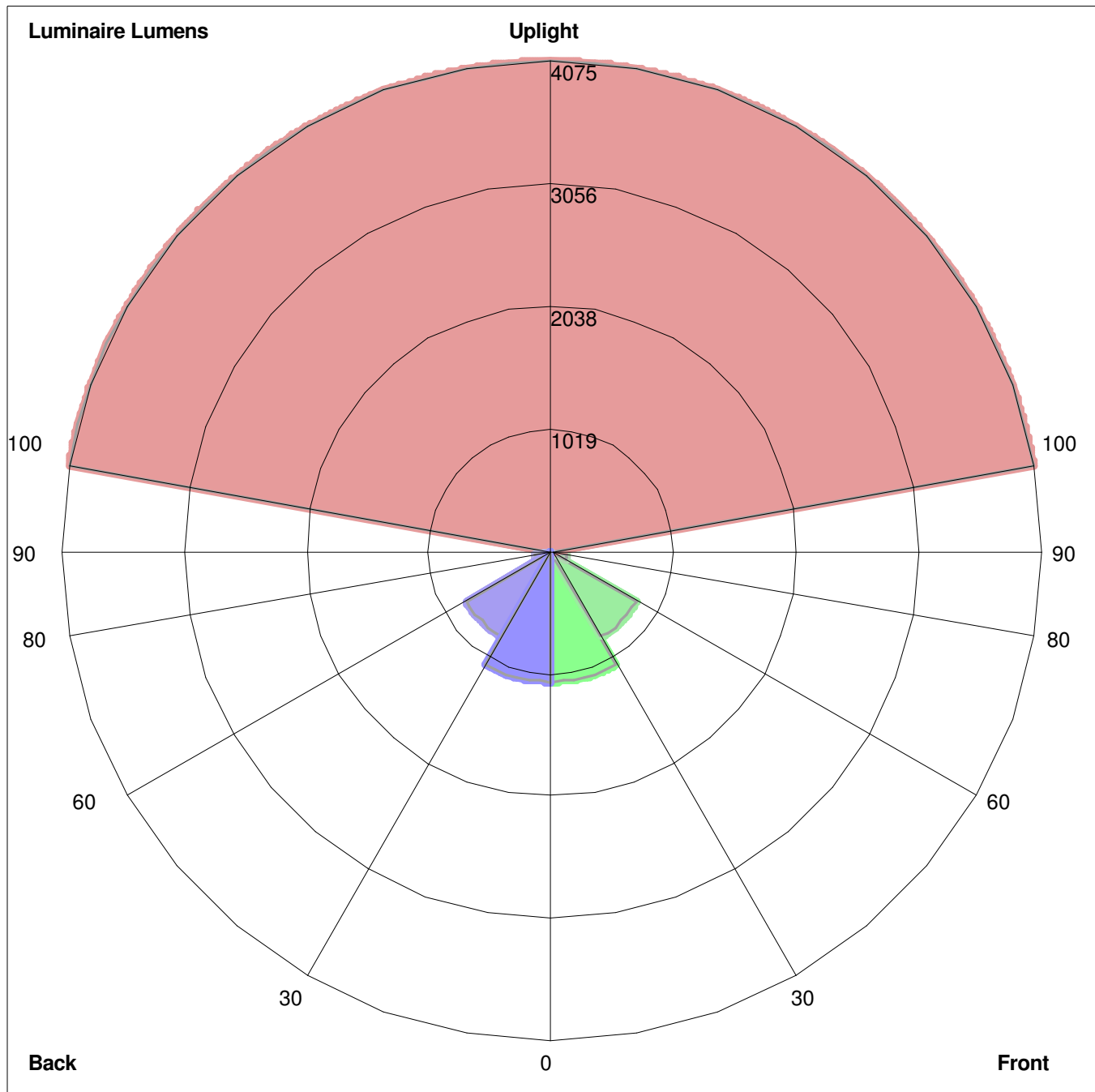
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1084.5, Medium=819.8, High=133.3, Very High=5.0  
Back: Low=1084.5, Medium=819.8, High=133.3, Very High=5.0  
Uplight: Low=9.9, High=4075.2

BUG Rating : B3-U5-G0