

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-827U-L30-827D-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-L30-827U-L30-827D-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	5500
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5755.539
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5755.539
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.414 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.681 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L30-827U-L30-827D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1145.7	N.A.	20.8
FM - Front-Medium (30-60)	213.9	N.A.	3.9
FH - Front-High (60-80)	14.3	N.A.	0.3
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1145.7	N.A.	20.8
BM - Back-Medium (30-60)	213.9	N.A.	3.9
BH - Back-High (60-80)	14.3	N.A.	0.3
BVH - Back-Very High (80-90)	0.9	N.A.	0.0
UL - Uplight-Low (90-100)	1.9	N.A.	0.0
UH - Uplight-High (100-180)	2747.9	N.A.	50.0
Total	5499.4	N.A.	100.0
BUG Rating	B3-U5-G0		

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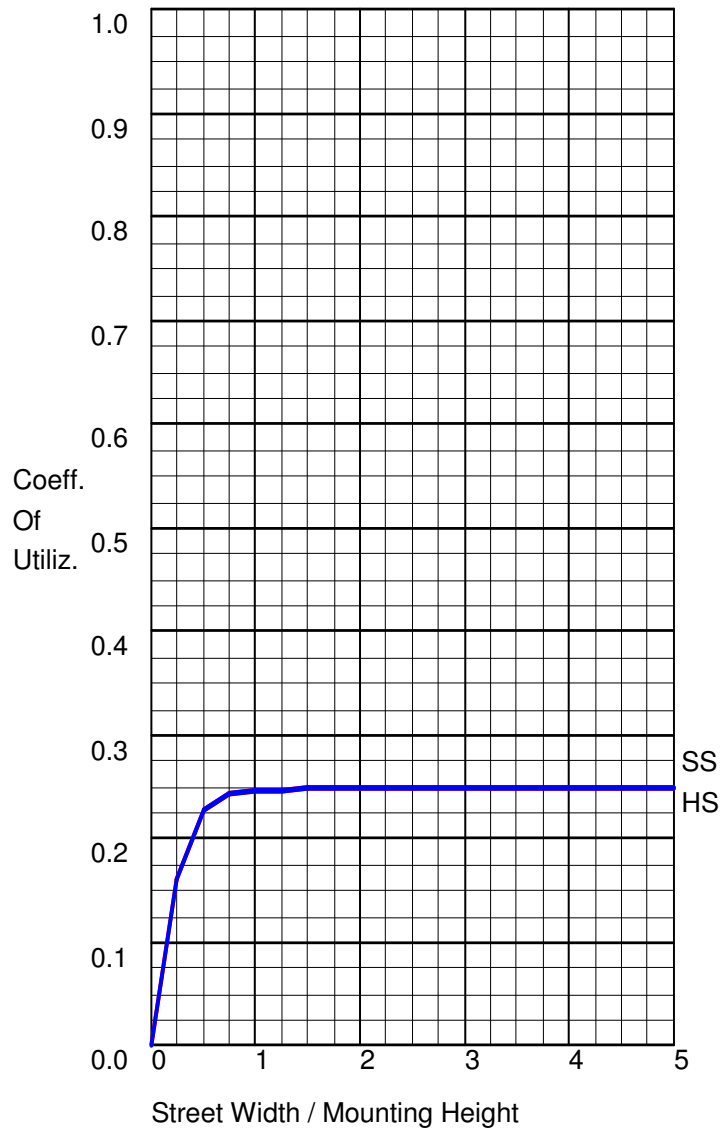
## CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	0	45	90	135	180	225	270	315	360
0	5755.539	5755.539	5755.539	5755.539	5755.539	5755.539	5755.539	5755.539	5755.539
5	5719.255	5682.512	5644.086	5682.512	5719.255	5682.512	5644.086	5682.512	5719.255
10	4987.571	4955.932	4911.817	4955.932	4987.571	4955.932	4911.817	4955.932	4987.571
15	3638.285	3661.895	3660.113	3661.895	3638.285	3661.895	3660.113	3661.895	3638.285
20	2395.096	2412.198	2423.441	2412.198	2395.096	2412.198	2423.441	2412.198	2395.096
25	1605.363	1610.088	1617.623	1610.088	1605.363	1610.088	1617.623	1610.088	1605.363
30	1100.312	1084.038	1092.634	1084.038	1100.312	1084.038	1092.634	1084.038	1100.312
35	470.090	471.449	481.089	471.449	470.090	471.449	481.089	471.449	470.090
40	133.218	138.097	144.011	138.097	133.218	138.097	144.011	138.097	133.218
45	72.838	73.882	73.054	73.882	72.838	73.882	73.054	73.882	72.838
50	48.535	49.111	48.121	49.111	48.535	49.111	48.121	49.111	48.535
55	34.124	34.286	33.620	34.286	34.124	34.286	33.620	34.286	34.124
60	24.978	24.960	24.636	24.960	24.978	24.960	24.636	24.960	24.978
65	19.065	18.948	18.660	18.948	19.065	18.948	18.660	18.948	19.065
70	14.069	13.934	13.655	13.934	14.069	13.934	13.655	13.934	14.069
75	9.244	9.136	8.974	9.136	9.244	9.136	8.974	9.136	9.244
80	4.672	4.681	4.654	4.681	4.672	4.681	4.654	4.681	4.672
85	0.909	0.909	0.909	0.909	0.909	0.909	0.909	0.909	0.909
90	0.342	0.396	0.414	0.396	0.342	0.396	0.414	0.396	0.342
95	0.909	0.909	0.909	0.909	0.909	0.909	0.909	0.909	0.909
100	4.672	4.681	4.654	4.681	4.672	4.681	4.654	4.681	4.672
105	9.244	9.136	8.974	9.136	9.244	9.136	8.974	9.136	9.244
110	14.069	13.934	13.655	13.934	14.069	13.934	13.655	13.934	14.069
115	19.065	18.948	18.660	18.948	19.065	18.948	18.660	18.948	19.065
120	24.978	24.960	24.636	24.960	24.978	24.960	24.636	24.960	24.978
125	34.124	34.286	33.620	34.286	34.124	34.286	33.620	34.286	34.124
130	48.535	49.111	48.121	49.111	48.535	49.111	48.121	49.111	48.535
135	72.838	73.882	73.054	73.882	72.838	73.882	73.054	73.882	72.838
140	133.218	138.097	144.011	138.097	133.218	138.097	144.011	138.097	133.218
145	470.090	471.449	481.089	471.449	470.090	471.449	481.089	471.449	470.090
150	1100.312	1084.038	1092.634	1084.038	1100.312	1084.038	1092.634	1084.038	1100.312
155	1605.363	1610.088	1617.623	1610.088	1605.363	1610.088	1617.623	1610.088	1605.363
160	2395.096	2412.198	2423.441	2412.198	2395.096	2412.198	2423.441	2412.198	2395.096
165	3638.285	3661.895	3660.113	3661.895	3638.285	3661.895	3660.113	3661.895	3638.285
170	4987.571	4955.932	4911.817	4955.932	4987.571	4955.932	4911.817	4955.932	4987.571
175	5719.255	5682.512	5644.086	5682.512	5719.255	5682.512	5644.086	5682.512	5719.255
180	5755.395	5755.395	5755.395	5755.395	5755.395	5755.395	5755.395	5755.395	5755.395

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### COEFFICIENTS OF UTILIZATION



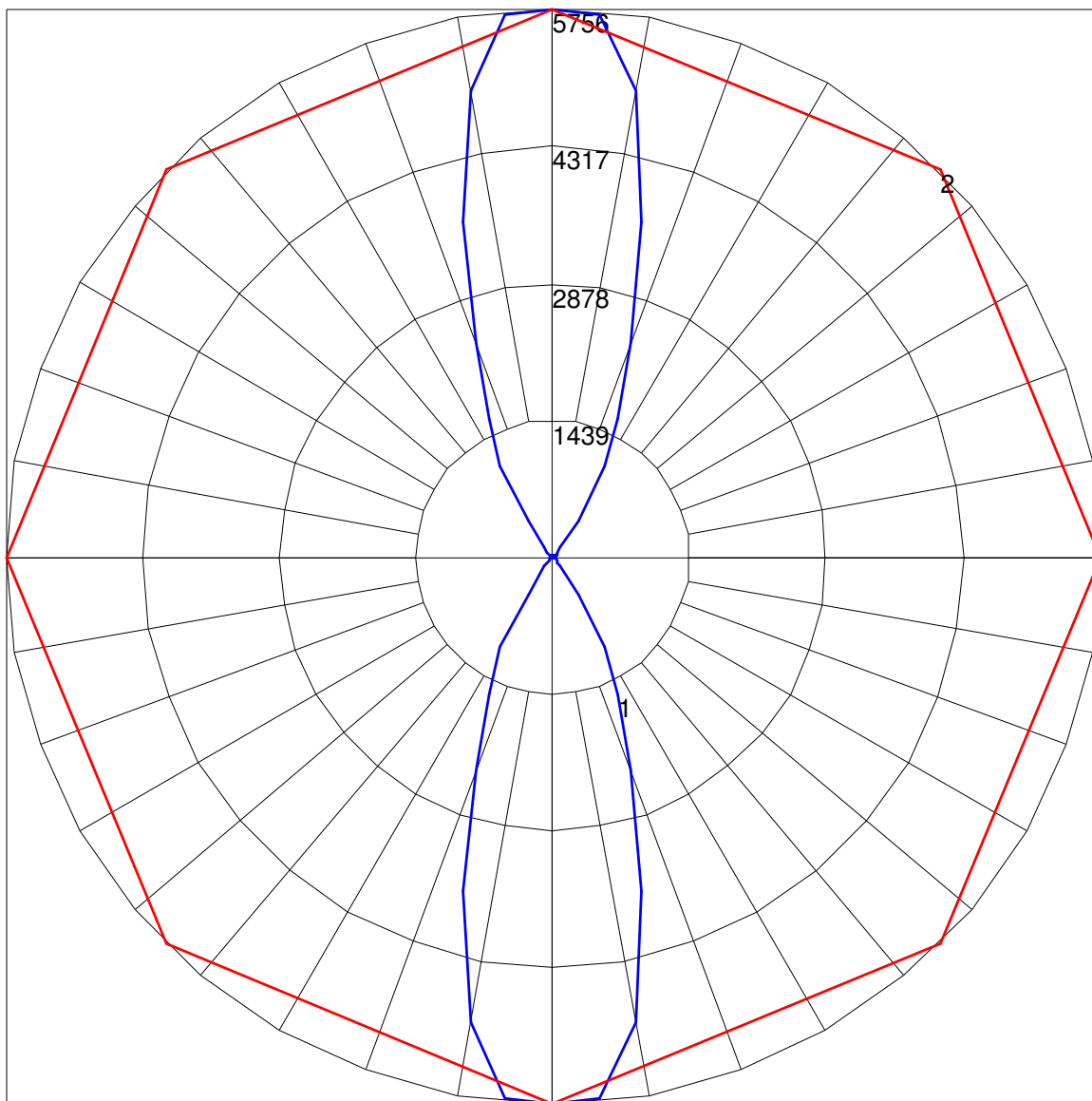
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1374.9	25.0
Downward House Side	1374.9	25.0
Downward Total	2749.8	50.0
Upward Street Side	1374.9	25.0
Upward House Side	1374.9	25.0
Upward Total	2749.8	50.0
Total Flux	5499.6	100.0

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## POLAR GRAPH

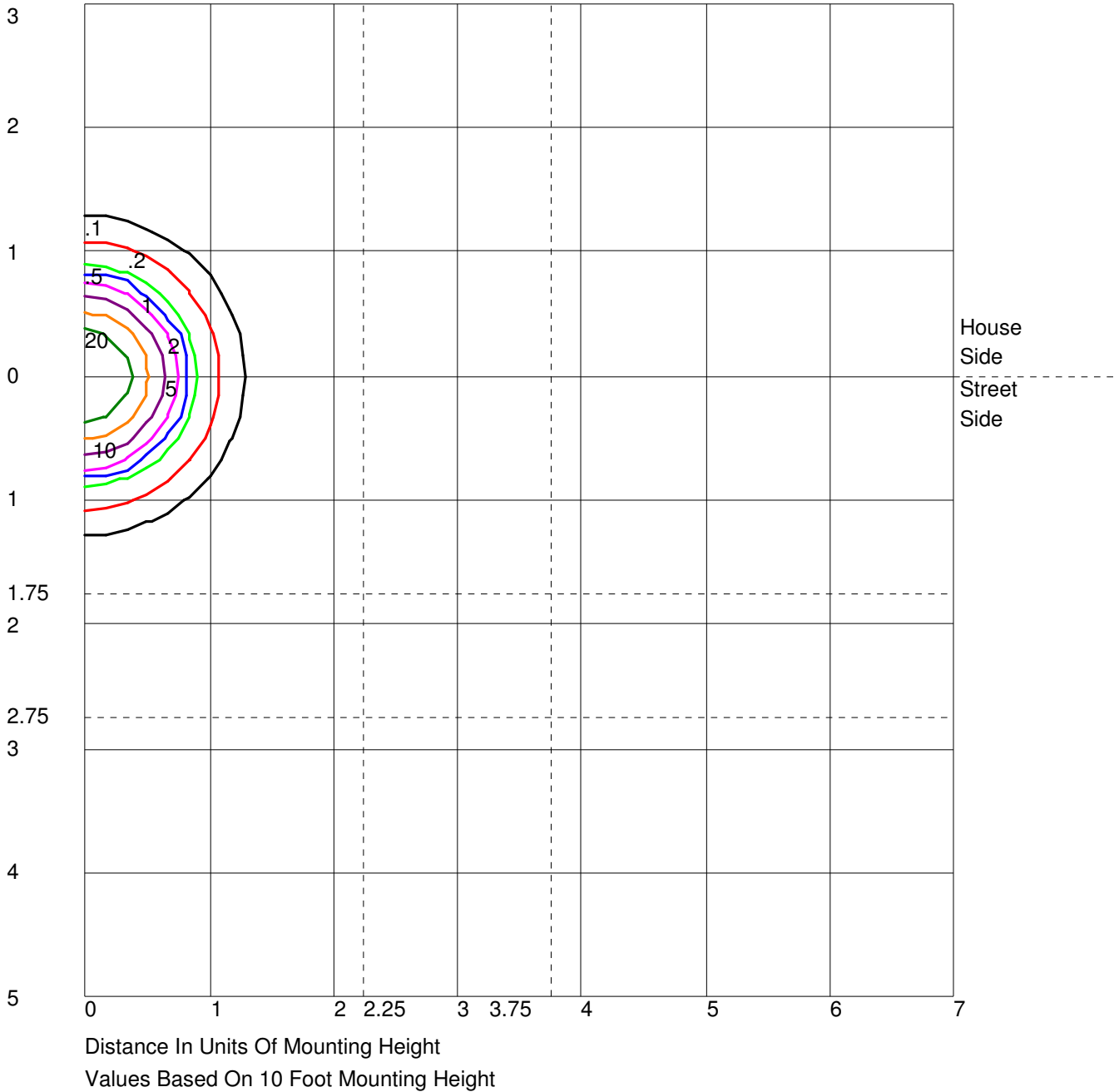


Maximum Candela = 5755.539 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

