

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-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-L30-840U-L30-840D-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	5668
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5931.729
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5931.729
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.427 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.824 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1180.8	N.A.	20.8
FM - Front-Medium (30-60)	220.5	N.A.	3.9
FH - Front-High (60-80)	14.8	N.A.	0.3
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1180.8	N.A.	20.8
BM - Back-Medium (30-60)	220.5	N.A.	3.9
BH - Back-High (60-80)	14.8	N.A.	0.3
BVH - Back-Very High (80-90)	1.0	N.A.	0.0
UL - Uplight-Low (90-100)	1.9	N.A.	0.0
UH - Uplight-High (100-180)	2832.0	N.A.	50.0
Total	5668.1	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	5931.729	5931.729	5931.729	5931.729	5931.729	5931.729	5931.729	5931.729	5931.729
5	5894.334	5856.467	5816.864	5856.467	5894.334	5856.467	5816.864	5856.467	5894.334
10	5140.252	5107.644	5062.178	5107.644	5140.252	5107.644	5062.178	5107.644	5140.252
15	3749.661	3773.994	3772.157	3773.994	3749.661	3773.994	3772.157	3773.994	3749.661
20	2468.415	2486.041	2497.628	2486.041	2468.415	2486.041	2497.628	2486.041	2468.415
25	1654.507	1659.377	1667.142	1659.377	1654.507	1659.377	1667.142	1659.377	1654.507
30	1133.995	1117.223	1126.082	1117.223	1133.995	1117.223	1126.082	1117.223	1133.995
35	484.480	485.881	495.817	485.881	484.480	485.881	495.817	485.881	484.480
40	137.297	142.325	148.419	142.325	137.297	142.325	148.419	142.325	137.297
45	75.068	76.144	75.290	76.144	75.068	76.144	75.290	76.144	75.068
50	50.020	50.614	49.594	50.614	50.020	50.614	49.594	50.614	50.020
55	35.168	35.335	34.649	35.335	35.168	35.335	34.649	35.335	35.168
60	25.743	25.725	25.391	25.725	25.743	25.725	25.391	25.725	25.743
65	19.648	19.528	19.231	19.528	19.648	19.528	19.231	19.528	19.648
70	14.500	14.360	14.073	14.360	14.500	14.360	14.073	14.360	14.500
75	9.527	9.416	9.249	9.416	9.527	9.416	9.249	9.416	9.527
80	4.815	4.824	4.796	4.824	4.815	4.824	4.796	4.824	4.815
85	0.937	0.937	0.937	0.937	0.937	0.937	0.937	0.937	0.937
90	0.353	0.408	0.427	0.408	0.353	0.408	0.427	0.408	0.353
95	0.937	0.937	0.937	0.937	0.937	0.937	0.937	0.937	0.937
100	4.815	4.824	4.796	4.824	4.815	4.824	4.796	4.824	4.815
105	9.527	9.416	9.249	9.416	9.527	9.416	9.249	9.416	9.527
110	14.500	14.360	14.073	14.360	14.500	14.360	14.073	14.360	14.500
115	19.648	19.528	19.231	19.528	19.648	19.528	19.231	19.528	19.648
120	25.743	25.725	25.391	25.725	25.743	25.725	25.391	25.725	25.743
125	35.168	35.335	34.649	35.335	35.168	35.335	34.649	35.335	35.168
130	50.020	50.614	49.594	50.614	50.020	50.614	49.594	50.614	50.020
135	75.068	76.144	75.290	76.144	75.068	76.144	75.290	76.144	75.068
140	137.297	142.325	148.419	142.325	137.297	142.325	148.419	142.325	137.297
145	484.480	485.881	495.817	485.881	484.480	485.881	495.817	485.881	484.480
150	1133.995	1117.223	1126.082	1117.223	1133.995	1117.223	1126.082	1117.223	1133.995
155	1654.507	1659.377	1667.142	1659.377	1654.507	1659.377	1667.142	1659.377	1654.507
160	2468.415	2486.041	2497.628	2486.041	2468.415	2486.041	2497.628	2486.041	2468.415
165	3749.661	3773.994	3772.157	3773.994	3749.661	3773.994	3772.157	3773.994	3749.661
170	5140.252	5107.644	5062.178	5107.644	5140.252	5107.644	5062.178	5107.644	5140.252
175	5894.334	5856.467	5816.864	5856.467	5894.334	5856.467	5816.864	5856.467	5894.334
180	5931.581	5931.581	5931.581	5931.581	5931.581	5931.581	5931.581	5931.581	5931.581

COEFFICIENTS OF UTILIZATION



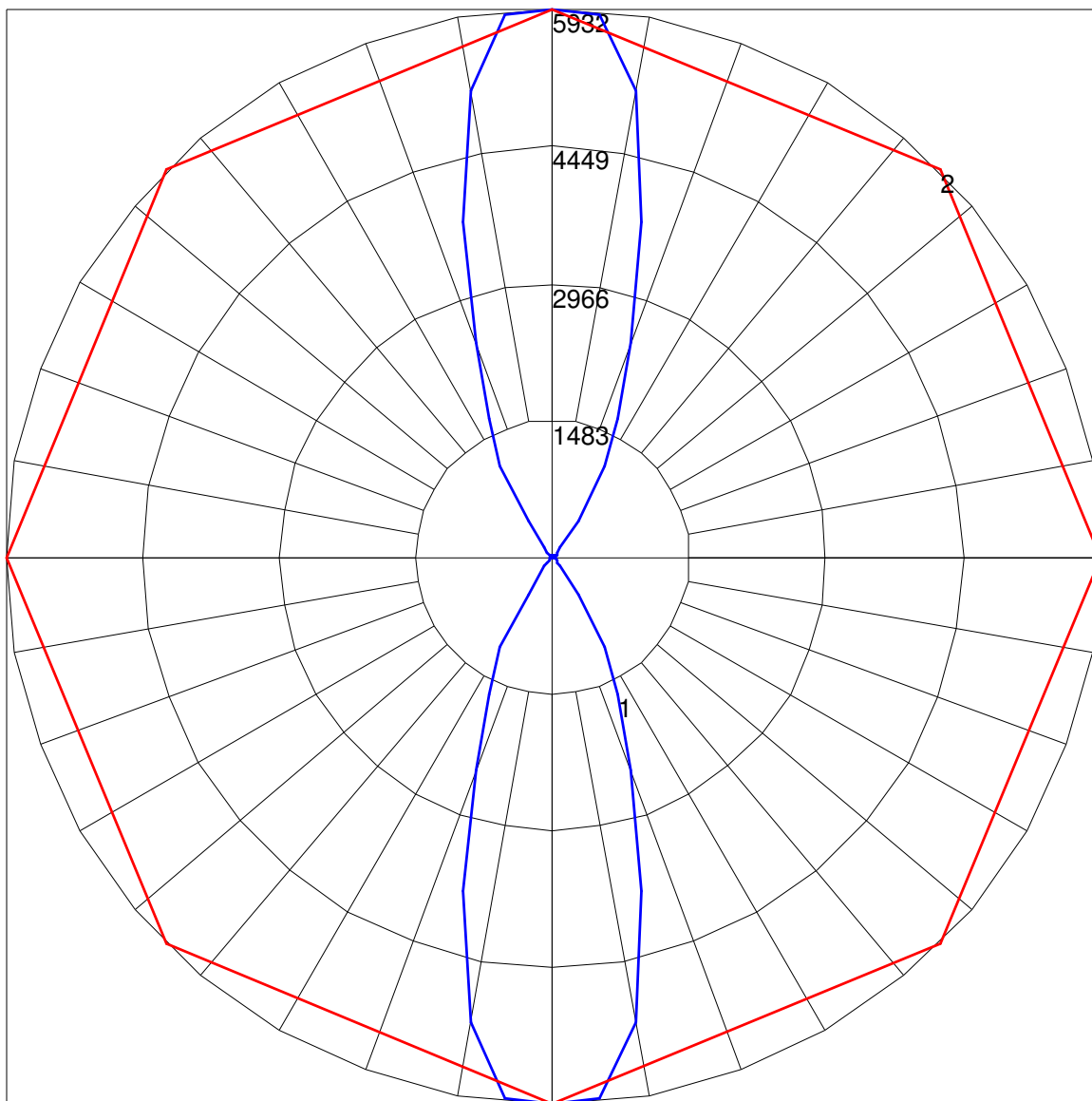
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1417.0	25.0
Downward House Side	1417.0	25.0
Downward Total	2834.0	50.0
Upward Street Side	1417.0	25.0
Upward House Side	1417.0	25.0
Upward Total	2834.0	50.0
Total Flux	5668.0	100.0

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POLAR GRAPH



Maximum Candela = 5931.729 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

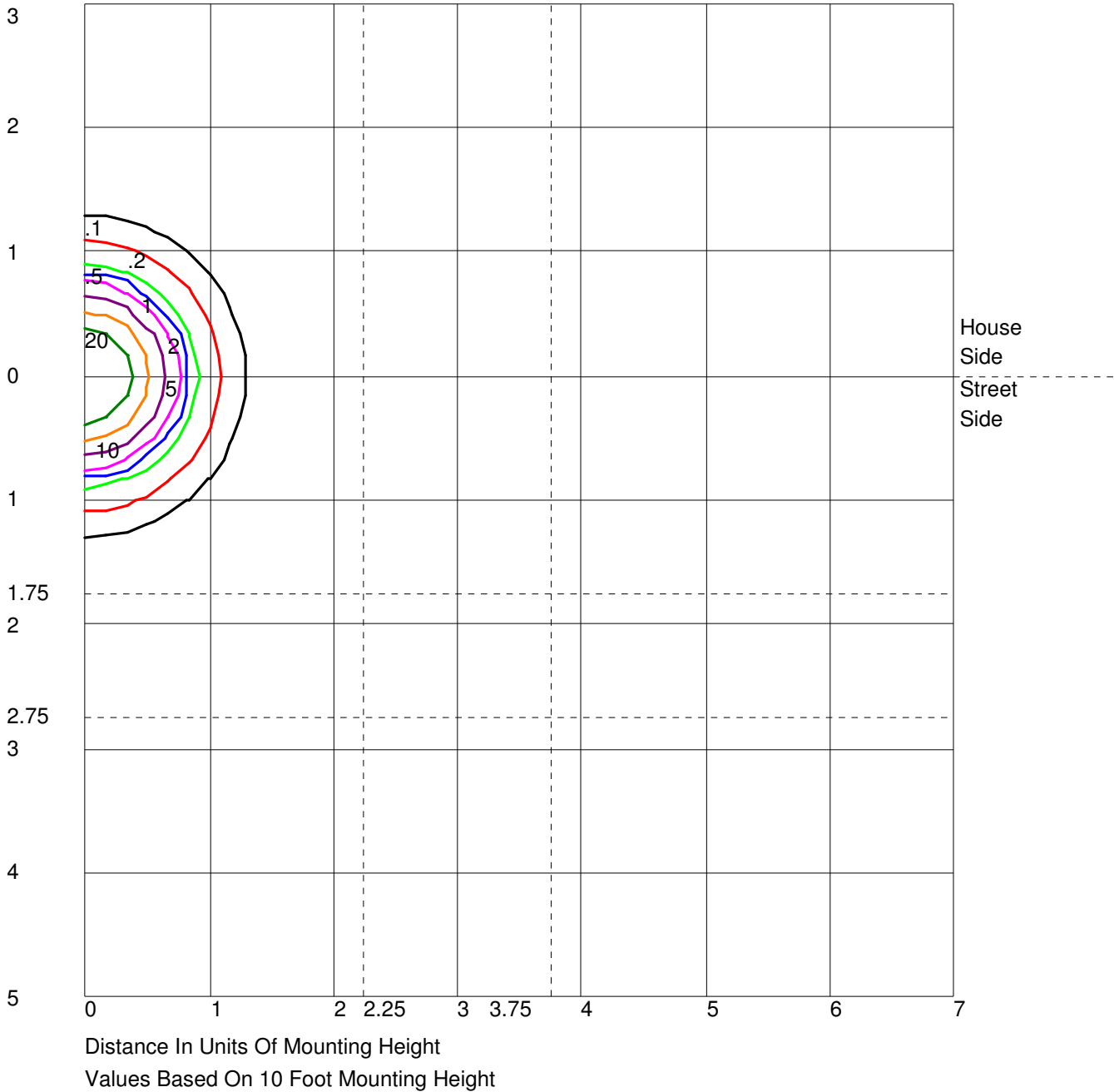


PHOTO LUMENS

