

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-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-L20-840U-L20-840D-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	3995
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4181.383
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4181.383
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.301 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.4 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	832.3	N.A.	20.8
FM - Front-Medium (30-60)	155.4	N.A.	3.9
FH - Front-High (60-80)	10.4	N.A.	0.3
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	832.3	N.A.	20.8
BM - Back-Medium (30-60)	155.4	N.A.	3.9
BH - Back-High (60-80)	10.4	N.A.	0.3
BVH - Back-Very High (80-90)	0.7	N.A.	0.0
UL - Uplight-Low (90-100)	1.4	N.A.	0.0
UH - Uplight-High (100-180)	1996.4	N.A.	50.0
Total	3995.3	N.A.	100.0
BUG Rating	B2-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	4181.383	4181.383	4181.383	4181.383	4181.383	4181.383	4181.383	4181.383	4181.383
5	4155.023	4128.329	4100.412	4128.329	4155.023	4128.329	4100.412	4128.329	4155.023
10	3623.456	3600.470	3568.421	3600.470	3623.456	3600.470	3568.421	3600.470	3623.456
15	2643.204	2660.356	2659.062	2660.356	2643.204	2660.356	2659.062	2660.356	2643.204
20	1740.030	1752.455	1760.623	1752.455	1740.030	1752.455	1760.623	1752.455	1740.030
25	1166.292	1169.725	1175.198	1169.725	1166.292	1169.725	1175.198	1169.725	1166.292
30	799.374	787.550	793.795	787.550	799.374	787.550	793.795	787.550	799.374
35	341.519	342.506	349.510	342.506	341.519	342.506	349.510	342.506	341.519
40	96.783	100.327	104.624	100.327	96.783	100.327	104.624	100.327	96.783
45	52.917	53.675	53.074	53.675	52.917	53.675	53.074	53.675	52.917
50	35.260	35.679	34.960	35.679	35.260	35.679	34.960	35.679	35.260
55	24.791	24.908	24.425	24.908	24.791	24.908	24.425	24.908	24.791
60	18.147	18.134	17.898	18.134	18.147	18.134	17.898	18.134	18.147
65	13.850	13.765	13.556	13.765	13.850	13.765	13.556	13.765	13.850
70	10.221	10.123	9.920	10.123	10.221	10.123	9.920	10.123	10.221
75	6.716	6.637	6.520	6.637	6.716	6.637	6.520	6.637	6.716
80	3.394	3.400	3.381	3.400	3.394	3.400	3.381	3.400	3.394
85	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660
90	0.248	0.288	0.301	0.288	0.248	0.288	0.301	0.288	0.248
95	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660
100	3.394	3.400	3.381	3.400	3.394	3.400	3.381	3.400	3.394
105	6.716	6.637	6.520	6.637	6.716	6.637	6.520	6.637	6.716
110	10.221	10.123	9.920	10.123	10.221	10.123	9.920	10.123	10.221
115	13.850	13.765	13.556	13.765	13.850	13.765	13.556	13.765	13.850
120	18.147	18.134	17.898	18.134	18.147	18.134	17.898	18.134	18.147
125	24.791	24.908	24.425	24.908	24.791	24.908	24.425	24.908	24.791
130	35.260	35.679	34.960	35.679	35.260	35.679	34.960	35.679	35.260
135	52.917	53.675	53.074	53.675	52.917	53.675	53.074	53.675	52.917
140	96.783	100.327	104.624	100.327	96.783	100.327	104.624	100.327	96.783
145	341.519	342.506	349.510	342.506	341.519	342.506	349.510	342.506	341.519
150	799.374	787.550	793.795	787.550	799.374	787.550	793.795	787.550	799.374
155	1166.292	1169.725	1175.198	1169.725	1166.292	1169.725	1175.198	1169.725	1166.292
160	1740.030	1752.455	1760.623	1752.455	1740.030	1752.455	1760.623	1752.455	1740.030
165	2643.204	2660.356	2659.062	2660.356	2643.204	2660.356	2659.062	2660.356	2643.204
170	3623.456	3600.470	3568.421	3600.470	3623.456	3600.470	3568.421	3600.470	3623.456
175	4155.023	4128.329	4100.412	4128.329	4155.023	4128.329	4100.412	4128.329	4155.023
180	4181.278	4181.278	4181.278	4181.278	4181.278	4181.278	4181.278	4181.278	4181.278

COEFFICIENTS OF UTILIZATION



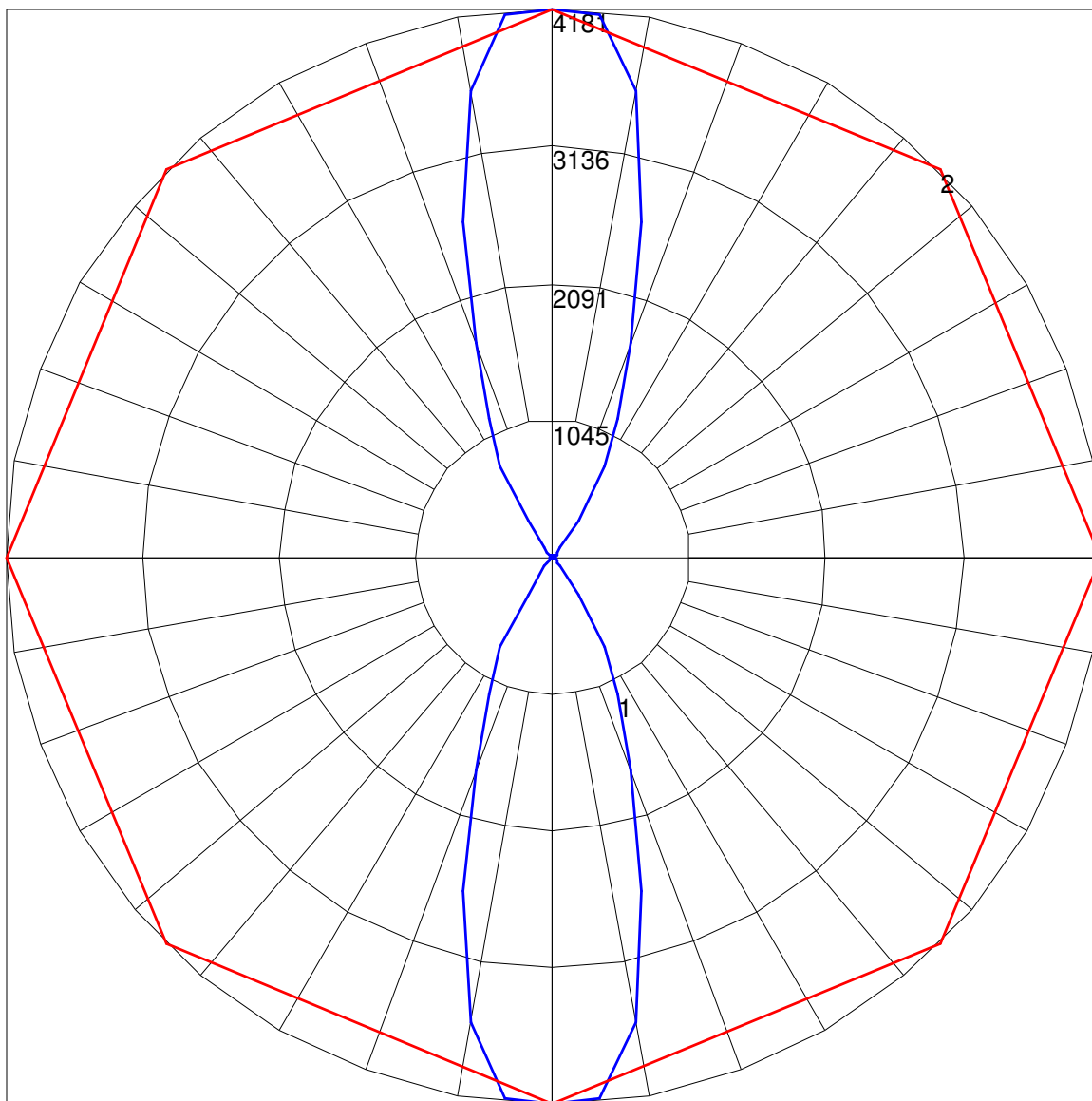
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	998.9	25.0
Downward House Side	998.9	25.0
Downward Total	1997.8	50.0
Upward Street Side	998.9	25.0
Upward House Side	998.9	25.0
Upward Total	1997.8	50.0
Total Flux	3995.6	100.0

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POLAR GRAPH



Maximum Candela = 4181.383 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

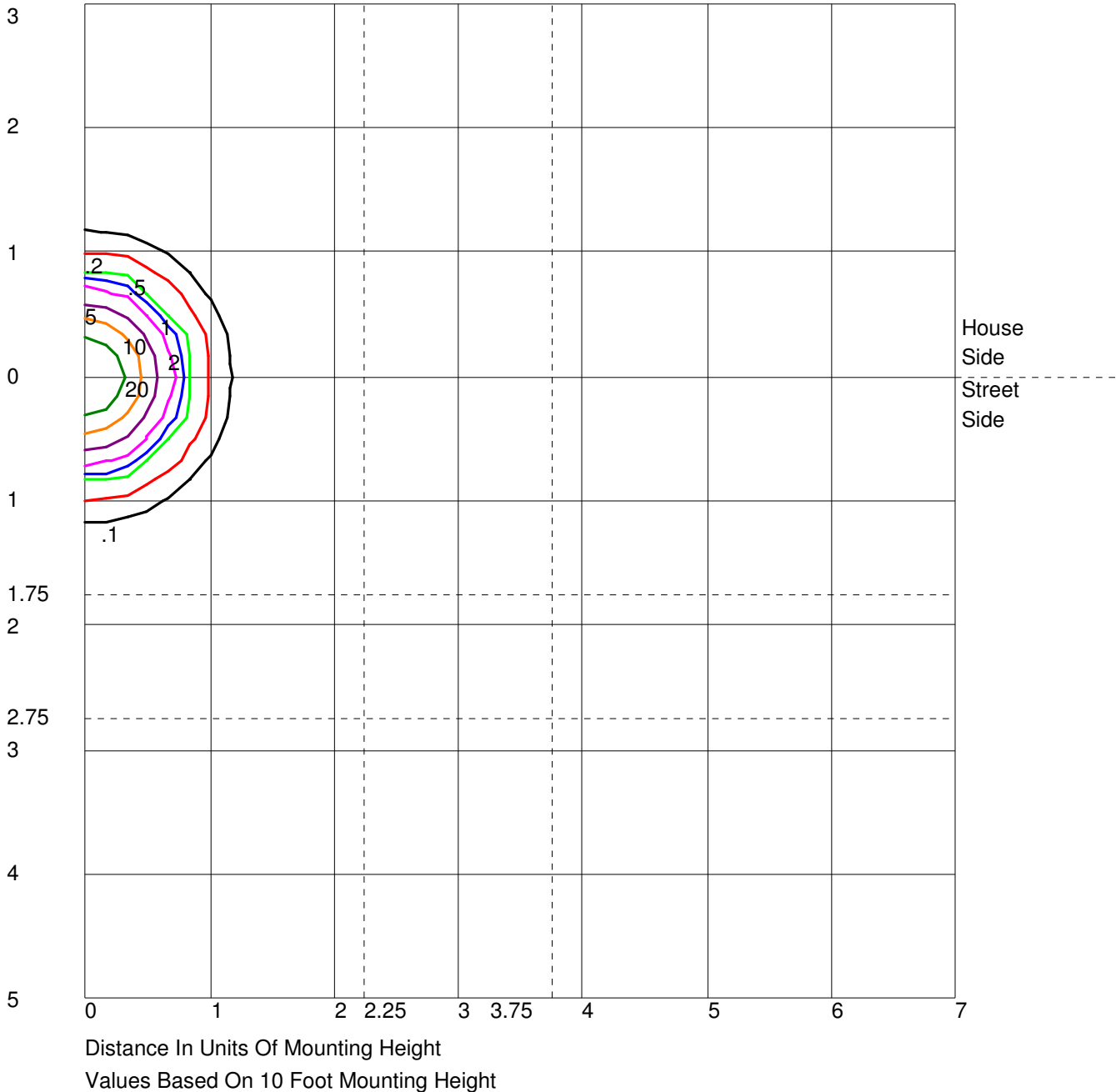


PHOTO LUMENS

