

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-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-L20-930U-L20-930D-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	3758
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3932.984
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3932.984
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.283 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.198 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	782.9	N.A.	20.8
FM - Front-Medium (30-60)	146.2	N.A.	3.9
FH - Front-High (60-80)	9.8	N.A.	0.3
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	782.9	N.A.	20.8
BM - Back-Medium (30-60)	146.2	N.A.	3.9
BH - Back-High (60-80)	9.8	N.A.	0.3
BVH - Back-Very High (80-90)	0.6	N.A.	0.0
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	1877.8	N.A.	50.0
Total	3758.1	N.A.	100.0
BUG Rating	B2-U5-G0		

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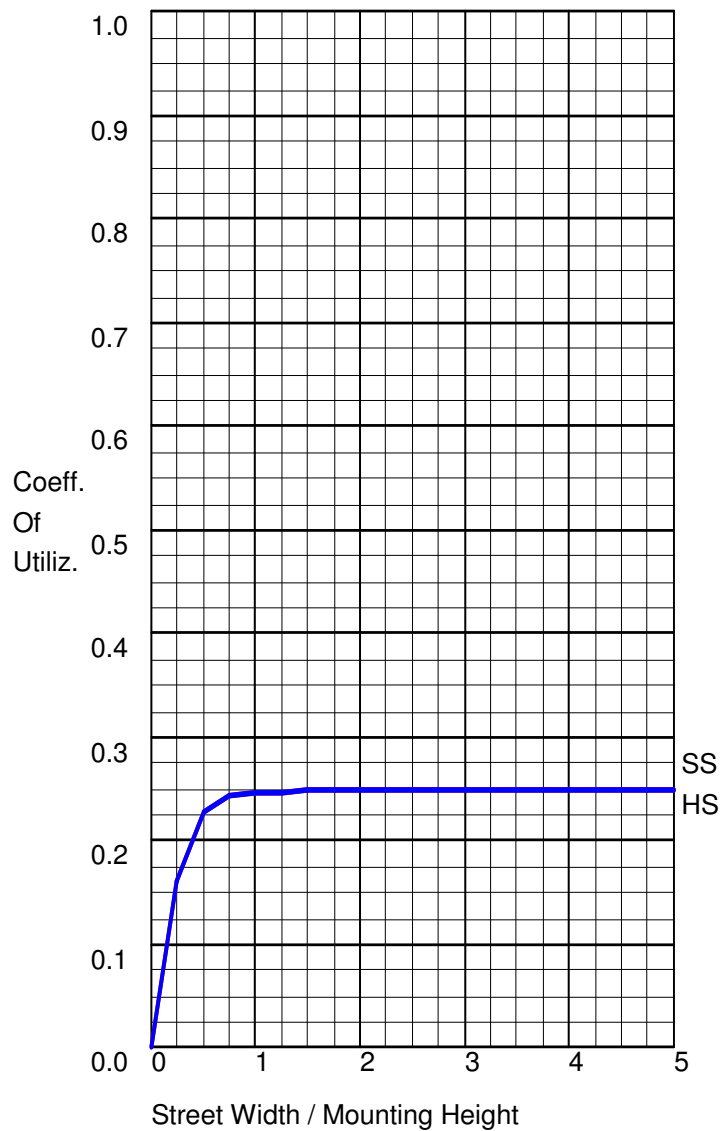
CANDELA TABULATION

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	3932.984	3932.984	3932.984	3932.984	3932.984	3932.984	3932.984	3932.984	3932.984
5	3908.190	3883.082	3856.824	3883.082	3908.190	3883.082	3856.824	3883.082	3908.190
10	3408.201	3386.581	3356.435	3386.581	3408.201	3386.581	3356.435	3386.581	3408.201
15	2486.182	2502.315	2501.097	2502.315	2486.182	2502.315	2501.097	2502.315	2486.182
20	1636.662	1648.349	1656.031	1648.349	1636.662	1648.349	1656.031	1648.349	1636.662
25	1097.007	1100.236	1105.384	1100.236	1097.007	1100.236	1105.384	1100.236	1097.007
30	751.886	740.765	746.639	740.765	751.886	740.765	746.639	740.765	751.886
35	321.231	322.160	328.747	322.160	321.231	322.160	328.747	322.160	321.231
40	91.033	94.367	98.408	94.367	91.033	94.367	98.408	94.367	91.033
45	49.773	50.487	49.921	50.487	49.773	50.487	49.921	50.487	49.773
50	33.166	33.559	32.883	33.559	33.166	33.559	32.883	33.559	33.166
55	23.318	23.429	22.974	23.429	23.318	23.429	22.974	23.429	23.318
60	17.069	17.056	16.835	17.056	17.069	17.056	16.835	17.056	17.069
65	13.028	12.948	12.751	12.948	13.028	12.948	12.751	12.948	13.028
70	9.614	9.522	9.331	9.522	9.614	9.522	9.331	9.522	9.614
75	6.317	6.243	6.132	6.243	6.317	6.243	6.132	6.243	6.317
80	3.192	3.198	3.180	3.198	3.192	3.198	3.180	3.198	3.192
85	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621
90	0.234	0.271	0.283	0.271	0.234	0.271	0.283	0.271	0.234
95	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621
100	3.192	3.198	3.180	3.198	3.192	3.198	3.180	3.198	3.192
105	6.317	6.243	6.132	6.243	6.317	6.243	6.132	6.243	6.317
110	9.614	9.522	9.331	9.522	9.614	9.522	9.331	9.522	9.614
115	13.028	12.948	12.751	12.948	13.028	12.948	12.751	12.948	13.028
120	17.069	17.056	16.835	17.056	17.069	17.056	16.835	17.056	17.069
125	23.318	23.429	22.974	23.429	23.318	23.429	22.974	23.429	23.318
130	33.166	33.559	32.883	33.559	33.166	33.559	32.883	33.559	33.166
135	49.773	50.487	49.921	50.487	49.773	50.487	49.921	50.487	49.773
140	91.033	94.367	98.408	94.367	91.033	94.367	98.408	94.367	91.033
145	321.231	322.160	328.747	322.160	321.231	322.160	328.747	322.160	321.231
150	751.886	740.765	746.639	740.765	751.886	740.765	746.639	740.765	751.886
155	1097.007	1100.236	1105.384	1100.236	1097.007	1100.236	1105.384	1100.236	1097.007
160	1636.662	1648.349	1656.031	1648.349	1636.662	1648.349	1656.031	1648.349	1636.662
165	2486.182	2502.315	2501.097	2502.315	2486.182	2502.315	2501.097	2502.315	2486.182
170	3408.201	3386.581	3356.435	3386.581	3408.201	3386.581	3356.435	3386.581	3408.201
175	3908.190	3883.082	3856.824	3883.082	3908.190	3883.082	3856.824	3883.082	3908.190
180	3932.886	3932.886	3932.886	3932.886	3932.886	3932.886	3932.886	3932.886	3932.886

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COEFFICIENTS OF UTILIZATION



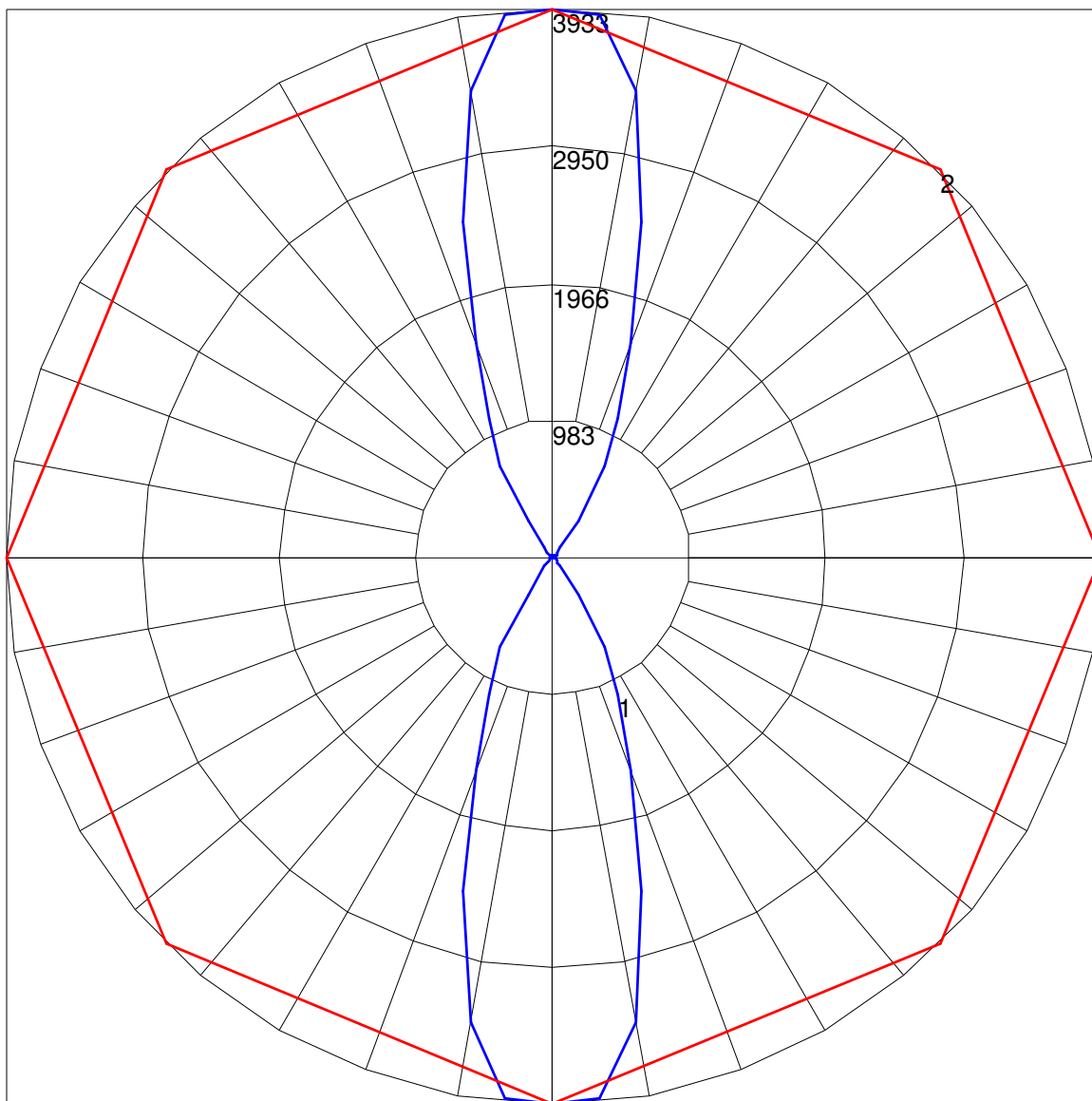
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	939.5	25.0
Downward House Side	939.5	25.0
Downward Total	1879.0	50.0
Upward Street Side	939.5	25.0
Upward House Side	939.5	25.0
Upward Total	1879.0	50.0
Total Flux	3758.0	100.0

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POLAR GRAPH



Maximum Candela = 3932.984 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

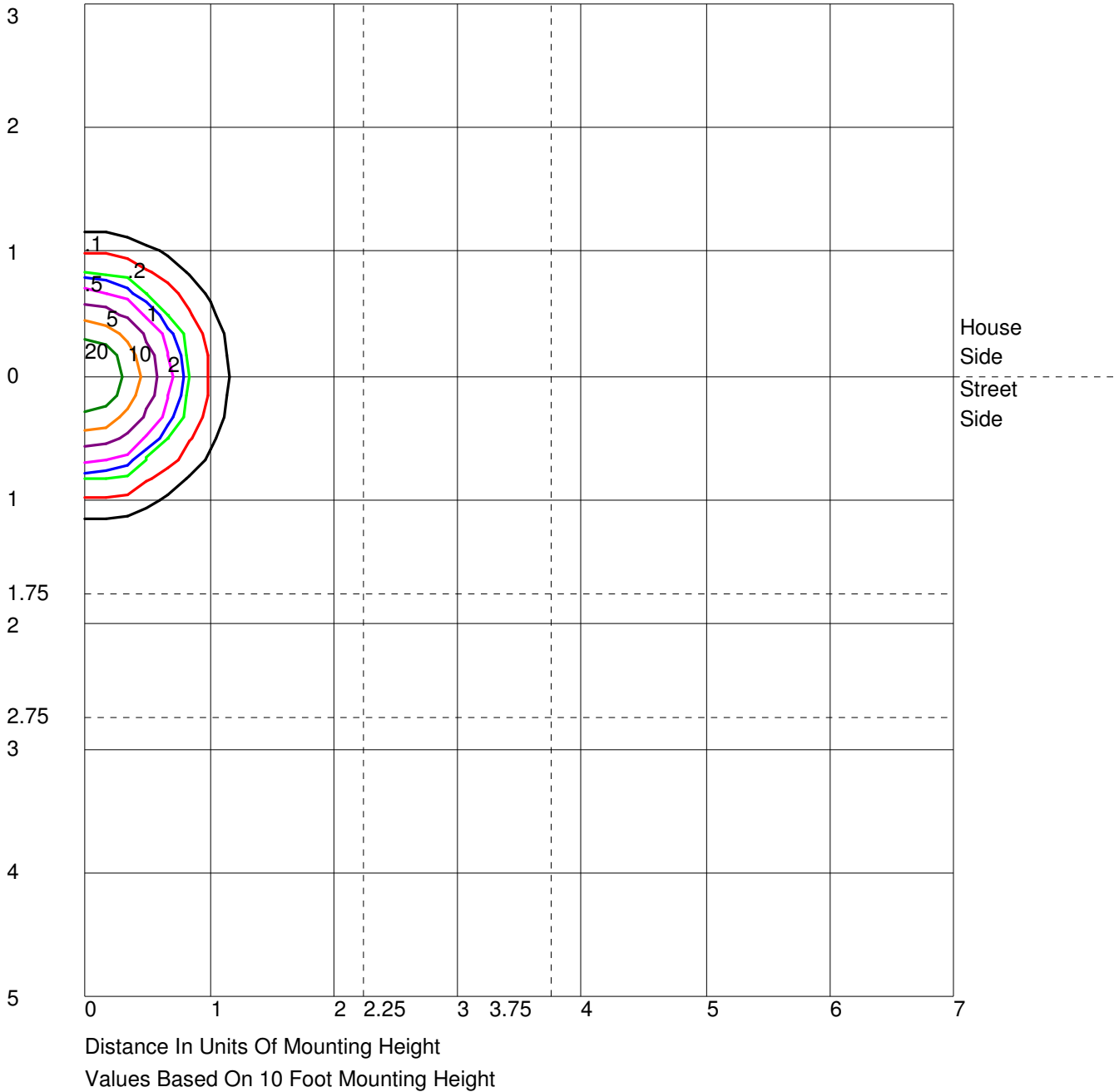


PHOTO LUMENS

