

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-950U-L20-950D-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-L20-950U-L20-950D-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	3719
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	3891.584
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3891.584
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.28 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.165 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-950U-L20-950D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	774.7	N.A.	20.8
FM - Front-Medium (30-60)	144.7	N.A.	3.9
FH - Front-High (60-80)	9.7	N.A.	0.3
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	774.7	N.A.	20.8
BM - Back-Medium (30-60)	144.7	N.A.	3.9
BH - Back-High (60-80)	9.7	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)	1858.0	N.A.	50.0
Total	3718.5	N.A.	100.0
BUG Rating	B2-U5-G0		

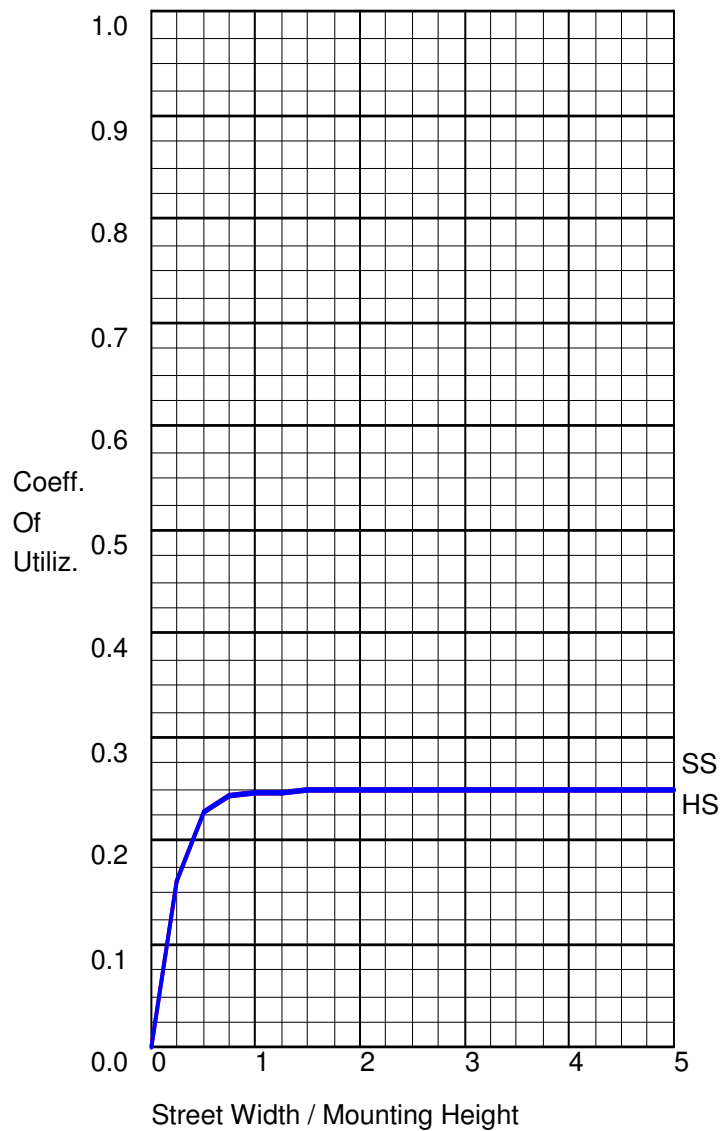
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CANDELA TABULATION

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	3891.584	3891.584	3891.584	3891.584	3891.584	3891.584	3891.584	3891.584	3891.584
5	3867.051	3842.207	3816.225	3842.207	3867.051	3842.207	3816.225	3842.207	3867.051
10	3372.326	3350.933	3321.105	3350.933	3372.326	3350.933	3321.105	3350.933	3372.326
15	2460.011	2475.975	2474.770	2475.975	2460.011	2475.975	2474.770	2475.975	2460.011
20	1619.434	1630.998	1638.600	1630.998	1619.434	1630.998	1638.600	1630.998	1619.434
25	1085.459	1088.655	1093.749	1088.655	1085.459	1088.655	1093.749	1088.655	1085.459
30	743.971	732.968	738.780	732.968	743.971	732.968	738.780	732.968	743.971
35	317.849	318.768	325.287	318.768	317.849	318.768	325.287	318.768	317.849
40	90.075	93.374	97.372	93.374	90.075	93.374	97.372	93.374	90.075
45	49.249	49.955	49.395	49.955	49.249	49.955	49.395	49.955	49.249
50	32.817	33.206	32.537	33.206	32.817	33.206	32.537	33.206	32.817
55	23.073	23.182	22.732	23.182	23.073	23.182	22.732	23.182	23.073
60	16.889	16.877	16.658	16.877	16.889	16.877	16.658	16.877	16.889
65	12.890	12.811	12.617	12.811	12.890	12.811	12.617	12.811	12.890
70	9.513	9.421	9.233	9.421	9.513	9.421	9.233	9.421	9.513
75	6.250	6.177	6.068	6.177	6.250	6.177	6.068	6.177	6.250
80	3.159	3.165	3.147	3.165	3.159	3.165	3.147	3.165	3.159
85	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615
90	0.231	0.268	0.280	0.268	0.231	0.268	0.280	0.268	0.231
95	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615
100	3.159	3.165	3.147	3.165	3.159	3.165	3.147	3.165	3.159
105	6.250	6.177	6.068	6.177	6.250	6.177	6.068	6.177	6.250
110	9.513	9.421	9.233	9.421	9.513	9.421	9.233	9.421	9.513
115	12.890	12.811	12.617	12.811	12.890	12.811	12.617	12.811	12.890
120	16.889	16.877	16.658	16.877	16.889	16.877	16.658	16.877	16.889
125	23.073	23.182	22.732	23.182	23.073	23.182	22.732	23.182	23.073
130	32.817	33.206	32.537	33.206	32.817	33.206	32.537	33.206	32.817
135	49.249	49.955	49.395	49.955	49.249	49.955	49.395	49.955	49.249
140	90.075	93.374	97.372	93.374	90.075	93.374	97.372	93.374	90.075
145	317.849	318.768	325.287	318.768	317.849	318.768	325.287	318.768	317.849
150	743.971	732.968	738.780	732.968	743.971	732.968	738.780	732.968	743.971
155	1085.459	1088.655	1093.749	1088.655	1085.459	1088.655	1093.749	1088.655	1085.459
160	1619.434	1630.998	1638.600	1630.998	1619.434	1630.998	1638.600	1630.998	1619.434
165	2460.011	2475.975	2474.770	2475.975	2460.011	2475.975	2474.770	2475.975	2460.011
170	3372.326	3350.933	3321.105	3350.933	3372.326	3350.933	3321.105	3350.933	3372.326
175	3867.051	3842.207	3816.225	3842.207	3867.051	3842.207	3816.225	3842.207	3867.051
180	3891.487	3891.487	3891.487	3891.487	3891.487	3891.487	3891.487	3891.487	3891.487

COEFFICIENTS OF UTILIZATION



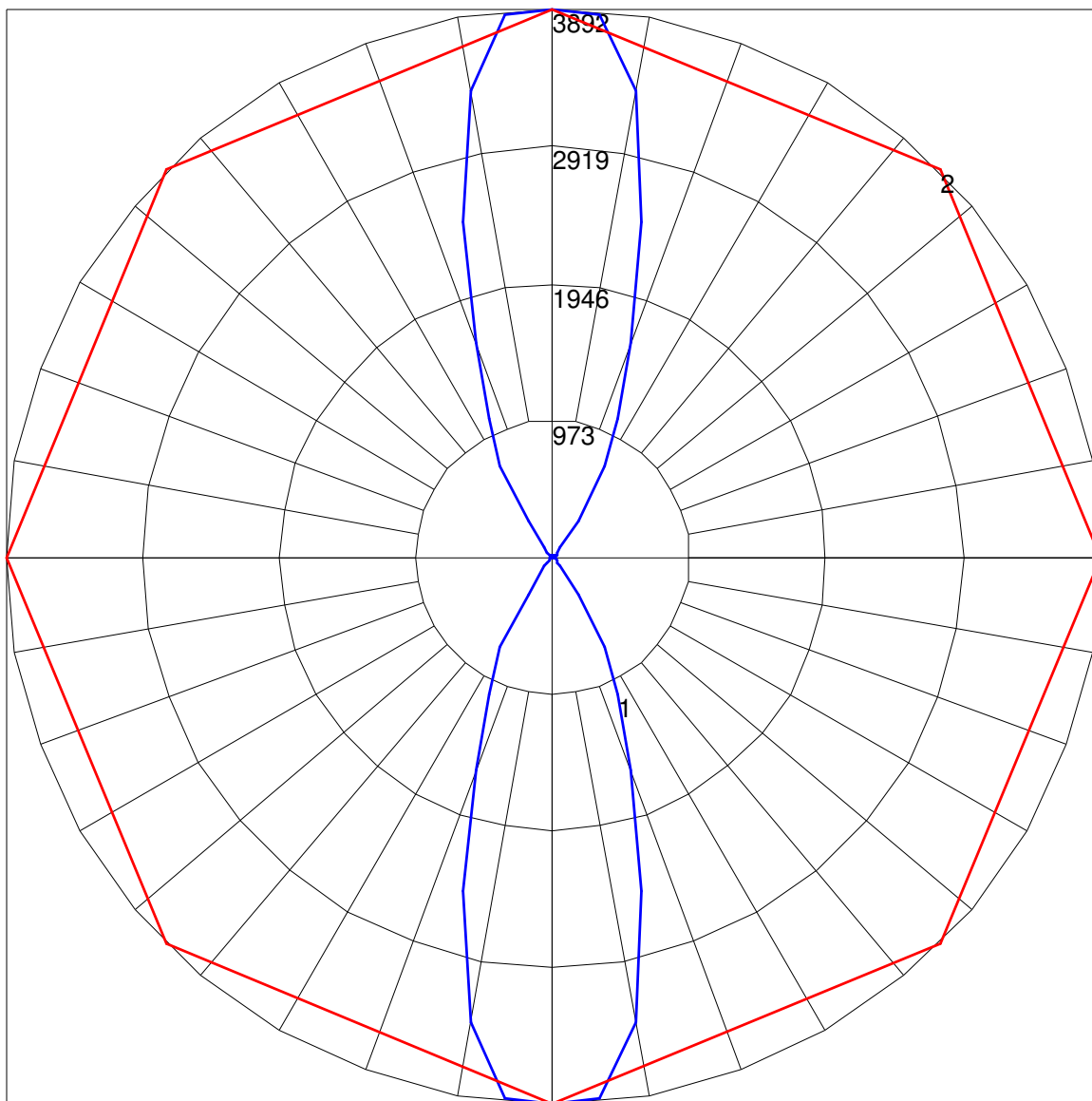
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	929.6	25.0
Downward House Side	929.6	25.0
Downward Total	1859.2	50.0
Upward Street Side	929.6	25.0
Upward House Side	929.6	25.0
Upward Total	1859.2	50.0
Total Flux	3718.4	100.0

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POLAR GRAPH



Maximum Candela = 3891.584 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

