

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-08-06
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CRDI-xx-L20-935U-L20-935D-xxx-DIM-UNV-W-xx
[LUMINAIRE] 6 INCH ROUND DIRECT INDIRECT WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4164
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1734.688
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1734.688
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.153 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.753 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-935U-L20-935D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	552.7	N.A.	13.3
FM - Front-Medium (30-60)	417.8	N.A.	10.0
FH - Front-High (60-80)	68.0	N.A.	1.6
FVH - Front-Very High (80-90)	2.5	N.A.	0.1
BL - Back-Low (0-30)	552.7	N.A.	13.3
BM - Back-Medium (30-60)	417.8	N.A.	10.0
BH - Back-High (60-80)	68.0	N.A.	1.6
BVH - Back-Very High (80-90)	2.5	N.A.	0.1
UL - Uplight-Low (90-100)	5.1	N.A.	0.1
UH - Uplight-High (100-180)	2077.0	N.A.	49.9
Total	4164.1	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	1734.688	1734.688	1734.688	1734.688	1734.688	1734.688	1734.688	1734.688	1734.688
5	1716.815	1715.870	1712.820	1715.870	1716.815	1715.870	1712.820	1715.870	1716.815
10	1609.782	1607.385	1605.843	1607.385	1609.782	1607.385	1605.843	1607.385	1609.782
15	1441.410	1445.446	1444.001	1445.446	1441.410	1445.446	1444.001	1445.446	1441.410
20	1293.253	1295.956	1296.393	1295.956	1293.253	1295.956	1296.393	1295.956	1293.253
25	1189.256	1186.137	1186.755	1186.137	1189.256	1186.137	1186.755	1186.137	1189.256
30	1020.204	1007.269	1009.937	1007.269	1020.204	1007.269	1009.937	1007.269	1020.204
35	613.106	613.481	619.115	613.481	613.106	613.481	619.115	613.481	613.106
40	373.129	377.471	380.006	377.471	373.129	377.471	380.006	377.471	373.129
45	315.695	316.000	315.111	316.000	315.695	316.000	315.111	316.000	315.695
50	263.359	263.442	262.845	263.442	263.359	263.442	262.845	263.442	263.359
55	208.606	208.342	207.363	208.342	208.606	208.342	207.363	208.342	208.606
60	151.269	150.887	149.977	150.887	151.269	150.887	149.977	150.887	151.269
65	100.899	100.621	100.232	100.621	100.899	100.621	100.232	100.621	100.899
70	59.838	59.838	59.831	59.838	59.838	59.838	59.831	59.838	59.838
75	29.613	29.676	29.697	29.676	29.613	29.676	29.697	29.676	29.613
80	10.614	10.719	10.753	10.719	10.614	10.719	10.753	10.719	10.614
85	3.425	3.432	3.404	3.432	3.425	3.432	3.404	3.432	3.425
90	0.903	1.014	1.153	1.014	0.903	1.014	1.153	1.014	0.903
95	3.425	3.432	3.404	3.432	3.425	3.432	3.404	3.432	3.425
100	10.614	10.719	10.753	10.719	10.614	10.719	10.753	10.719	10.614
105	29.613	29.676	29.697	29.676	29.613	29.676	29.697	29.676	29.613
110	59.838	59.838	59.831	59.838	59.838	59.838	59.831	59.838	59.838
115	100.899	100.621	100.232	100.621	100.899	100.621	100.232	100.621	100.899
120	151.269	150.887	149.977	150.887	151.269	150.887	149.977	150.887	151.269
125	208.606	208.342	207.363	208.342	208.606	208.342	207.363	208.342	208.606
130	263.359	263.442	262.845	263.442	263.359	263.442	262.845	263.442	263.359
135	315.695	316.000	315.111	316.000	315.695	316.000	315.111	316.000	315.695
140	373.129	377.471	380.006	377.471	373.129	377.471	380.006	377.471	373.129
145	613.106	613.481	619.115	613.481	613.106	613.481	619.115	613.481	613.106
150	1020.204	1007.269	1009.937	1007.269	1020.204	1007.269	1009.937	1007.269	1020.204
155	1189.256	1186.137	1186.755	1186.137	1189.256	1186.137	1186.755	1186.137	1189.256
160	1293.253	1295.956	1296.393	1295.956	1293.253	1295.956	1296.393	1295.956	1293.253
165	1441.410	1445.446	1444.001	1445.446	1441.410	1445.446	1444.001	1445.446	1441.410
170	1609.782	1607.385	1605.843	1607.385	1609.782	1607.385	1605.843	1607.385	1609.782
175	1716.815	1715.870	1712.820	1715.870	1716.815	1715.870	1712.820	1715.870	1716.815
180	1734.563	1734.563	1734.563	1734.563	1734.563	1734.563	1734.563	1734.563	1734.563

COEFFICIENTS OF UTILIZATION



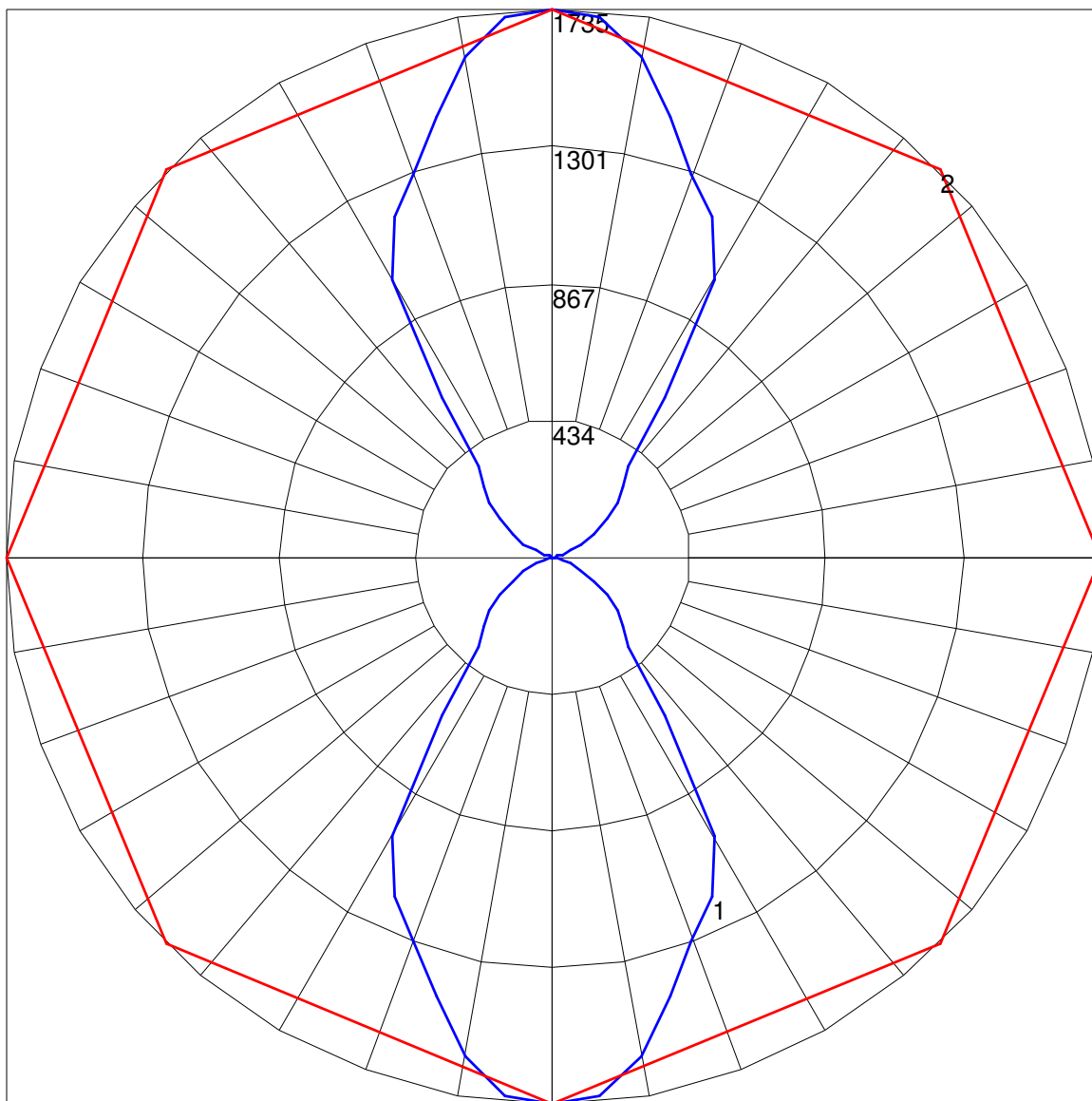
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1041.0	25.0
Downward House Side	1041.0	25.0
Downward Total	2082.0	50.0
Upward Street Side	1041.0	25.0
Upward House Side	1041.0	25.0
Upward Total	2082.0	50.0
Total Flux	4164.0	100.0

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POLAR GRAPH

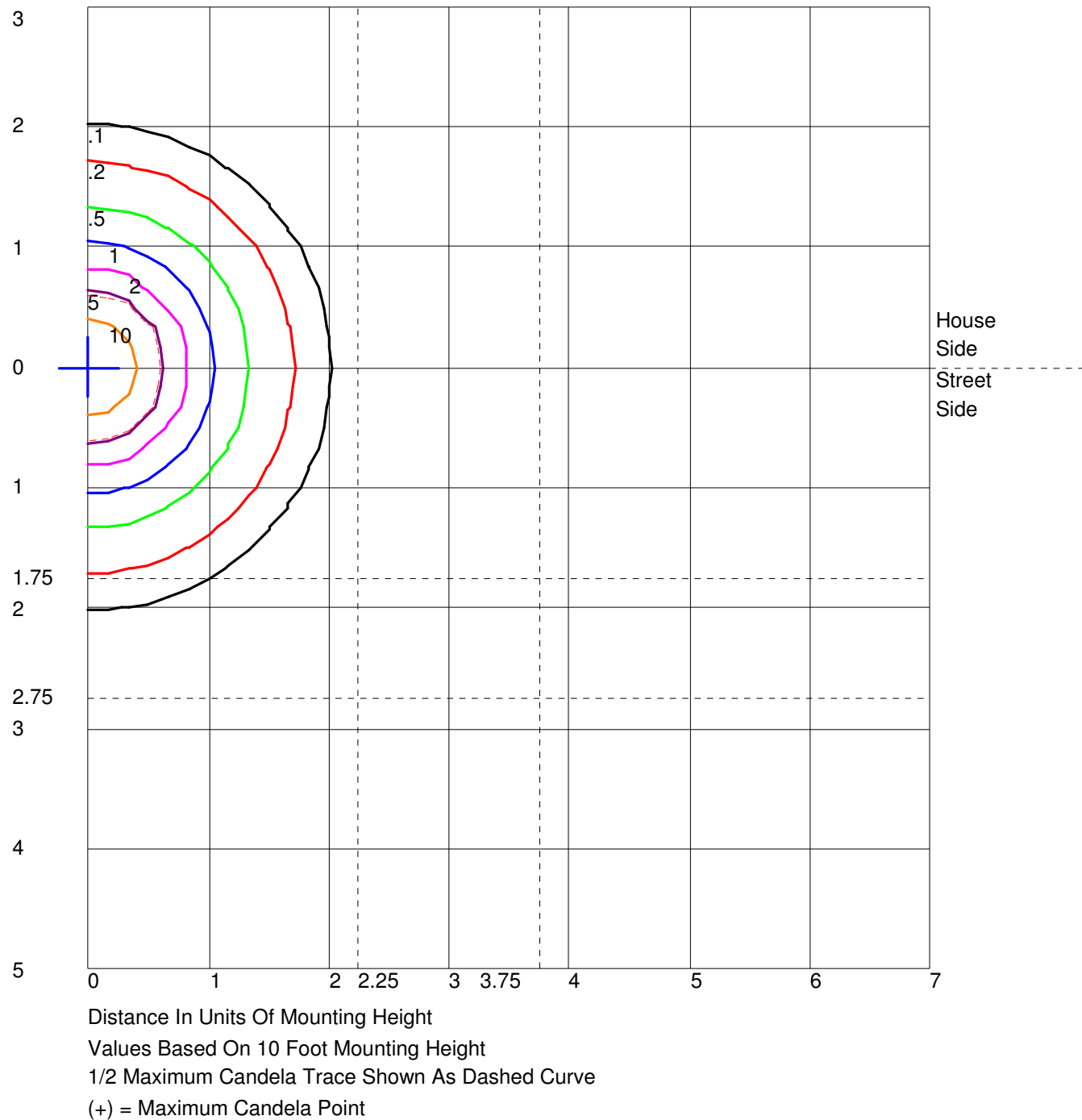


Maximum Candela = 1734.688 Located At Horizontal Angle = 360, Vertical Angle = 0

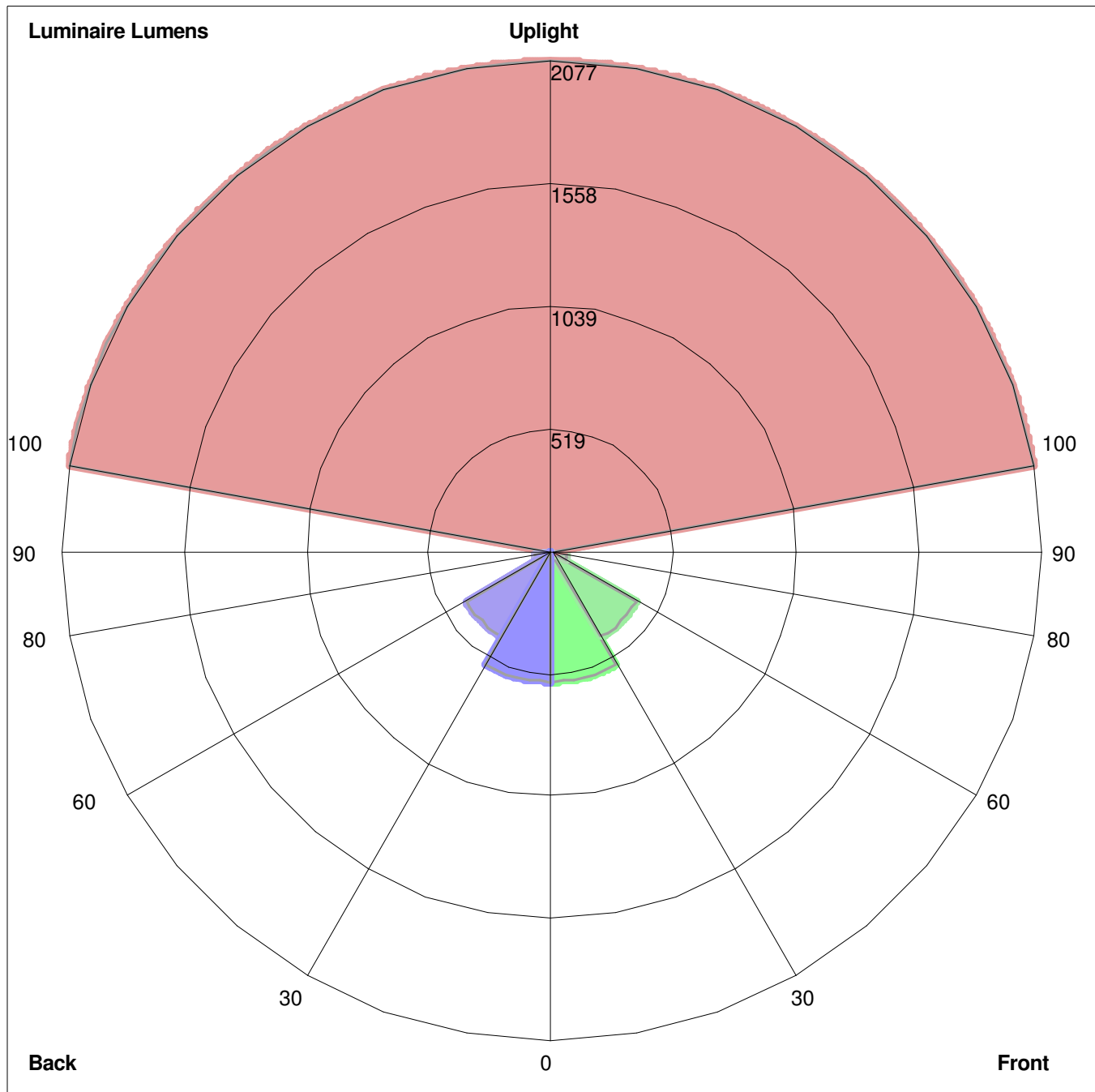
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=552.7, Medium=417.8, High=68.0, Very High=2.5
Back: Low=552.7, Medium=417.8, High=68.0, Very High=2.5
Uplight: Low=5.1, High= 2077.0

BUG Rating : B2-U5-G0