

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-935U-L40-935D-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-L40-935U-L40-935D-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	7766
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3235.047
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3235.047
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.15 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	20.054 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-935U-L40-935D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1030.8	N.A.	13.3
FM - Front-Medium (30-60)	779.2	N.A.	10.0
FH - Front-High (60-80)	126.7	N.A.	1.6
FVH - Front-Very High (80-90)	4.7	N.A.	0.1
BL - Back-Low (0-30)	1030.8	N.A.	13.3
BM - Back-Medium (30-60)	779.2	N.A.	10.0
BH - Back-High (60-80)	126.7	N.A.	1.6
BVH - Back-Very High (80-90)	4.7	N.A.	0.1
UL - Uplight-Low (90-100)	9.4	N.A.	0.1
UH - Uplight-High (100-180)	3873.5	N.A.	49.9
Total	7765.7	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	3235.047	3235.047	3235.047	3235.047	3235.047	3235.047	3235.047	3235.047	3235.047
5	3201.714	3199.952	3194.265	3199.952	3201.714	3199.952	3194.265	3199.952	3201.714
10	3002.107	2997.637	2994.761	2997.637	3002.107	2997.637	2994.761	2997.637	3002.107
15	2688.108	2695.635	2692.940	2695.635	2688.108	2695.635	2692.940	2695.635	2688.108
20	2411.808	2416.848	2417.664	2416.848	2411.808	2416.848	2417.664	2416.848	2411.808
25	2217.862	2212.045	2213.198	2212.045	2217.862	2212.045	2213.198	2212.045	2217.862
30	1902.594	1878.472	1883.447	1878.472	1902.594	1878.472	1883.447	1878.472	1902.594
35	1143.391	1144.090	1154.597	1144.090	1143.391	1144.090	1154.597	1144.090	1143.391
40	695.854	703.951	708.679	703.951	695.854	703.951	708.679	703.951	695.854
45	588.744	589.314	587.656	589.314	588.744	589.314	587.656	589.314	588.744
50	491.142	491.298	490.184	491.298	491.142	491.298	490.184	491.298	491.142
55	389.033	388.540	386.714	388.540	389.033	388.540	386.714	388.540	389.033
60	282.104	281.391	279.694	281.391	282.104	281.391	279.694	281.391	282.104
65	188.168	187.650	186.925	187.650	188.168	187.650	186.925	187.650	188.168
70	111.593	111.593	111.580	111.593	111.593	111.593	111.580	111.593	111.593
75	55.226	55.343	55.382	55.343	55.226	55.343	55.382	55.343	55.226
80	19.795	19.989	20.054	19.989	19.795	19.989	20.054	19.989	19.795
85	6.387	6.400	6.348	6.400	6.387	6.400	6.348	6.400	6.387
90	1.684	1.891	2.150	1.891	1.684	1.891	2.150	1.891	1.684
95	6.387	6.400	6.348	6.400	6.387	6.400	6.348	6.400	6.387
100	19.795	19.989	20.054	19.989	19.795	19.989	20.054	19.989	19.795
105	55.226	55.343	55.382	55.343	55.226	55.343	55.382	55.343	55.226
110	111.593	111.593	111.580	111.593	111.593	111.593	111.580	111.593	111.593
115	188.168	187.650	186.925	187.650	188.168	187.650	186.925	187.650	188.168
120	282.104	281.391	279.694	281.391	282.104	281.391	279.694	281.391	282.104
125	389.033	388.540	386.714	388.540	389.033	388.540	386.714	388.540	389.033
130	491.142	491.298	490.184	491.298	491.142	491.298	490.184	491.298	491.142
135	588.744	589.314	587.656	589.314	588.744	589.314	587.656	589.314	588.744
140	695.854	703.951	708.679	703.951	695.854	703.951	708.679	703.951	695.854
145	1143.391	1144.090	1154.597	1144.090	1143.391	1144.090	1154.597	1144.090	1143.391
150	1902.594	1878.472	1883.447	1878.472	1902.594	1878.472	1883.447	1878.472	1902.594
155	2217.862	2212.045	2213.198	2212.045	2217.862	2212.045	2213.198	2212.045	2217.862
160	2411.808	2416.848	2417.664	2416.848	2411.808	2416.848	2417.664	2416.848	2411.808
165	2688.108	2695.635	2692.940	2695.635	2688.108	2695.635	2692.940	2695.635	2688.108
170	3002.107	2997.637	2994.761	2997.637	3002.107	2997.637	2994.761	2997.637	3002.107
175	3201.714	3199.952	3194.265	3199.952	3201.714	3199.952	3194.265	3199.952	3201.714
180	3234.814	3234.814	3234.814	3234.814	3234.814	3234.814	3234.814	3234.814	3234.814

COEFFICIENTS OF UTILIZATION



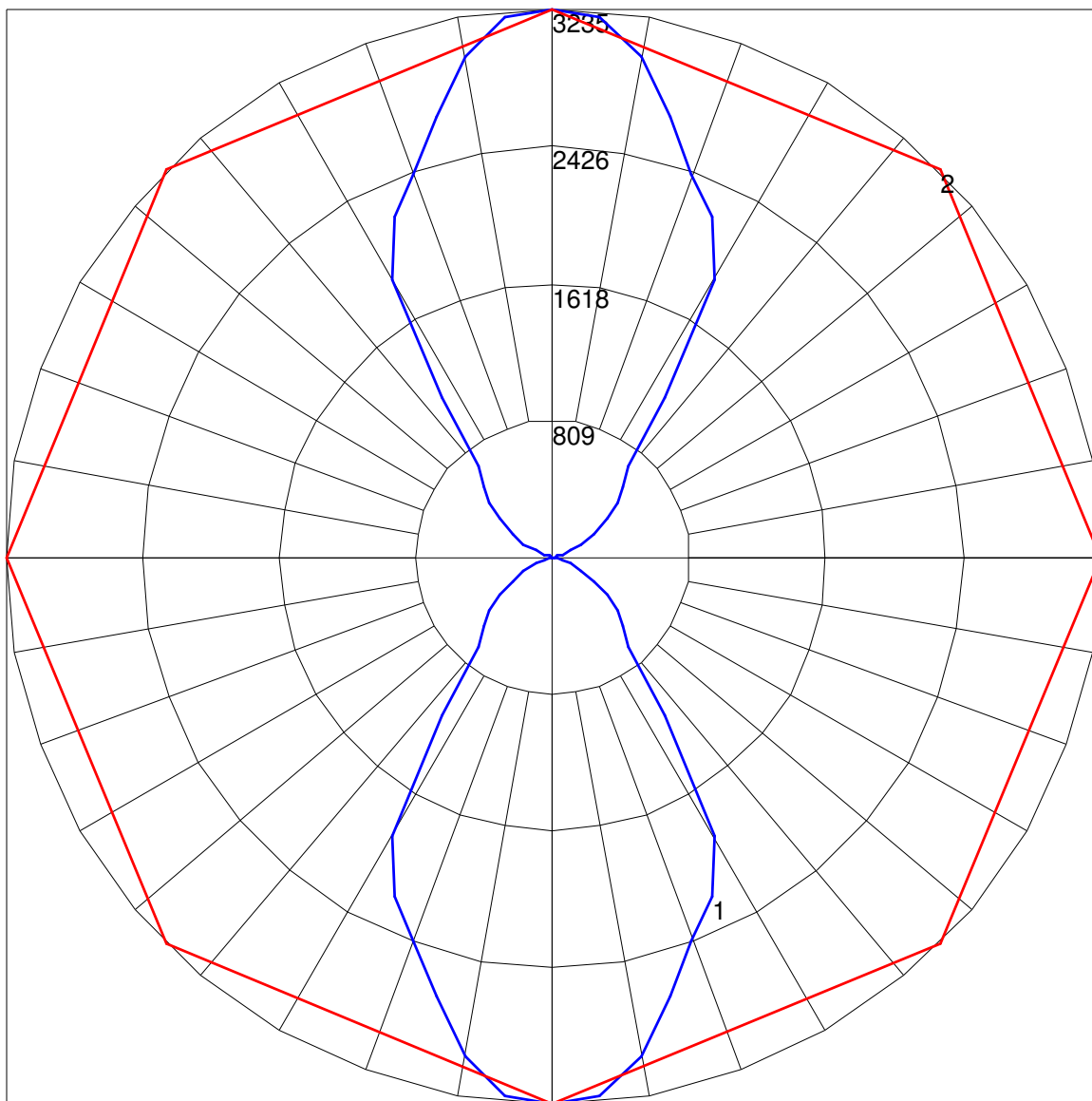
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1941.4	25.0
Downward House Side	1941.4	25.0
Downward Total	3882.8	50.0
Upward Street Side	1941.4	25.0
Upward House Side	1941.4	25.0
Upward Total	3882.8	50.0
Total Flux	7765.6	100.0

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POLAR GRAPH



Maximum Candela = 3235.047 Located At Horizontal Angle = 360, Vertical Angle = 0

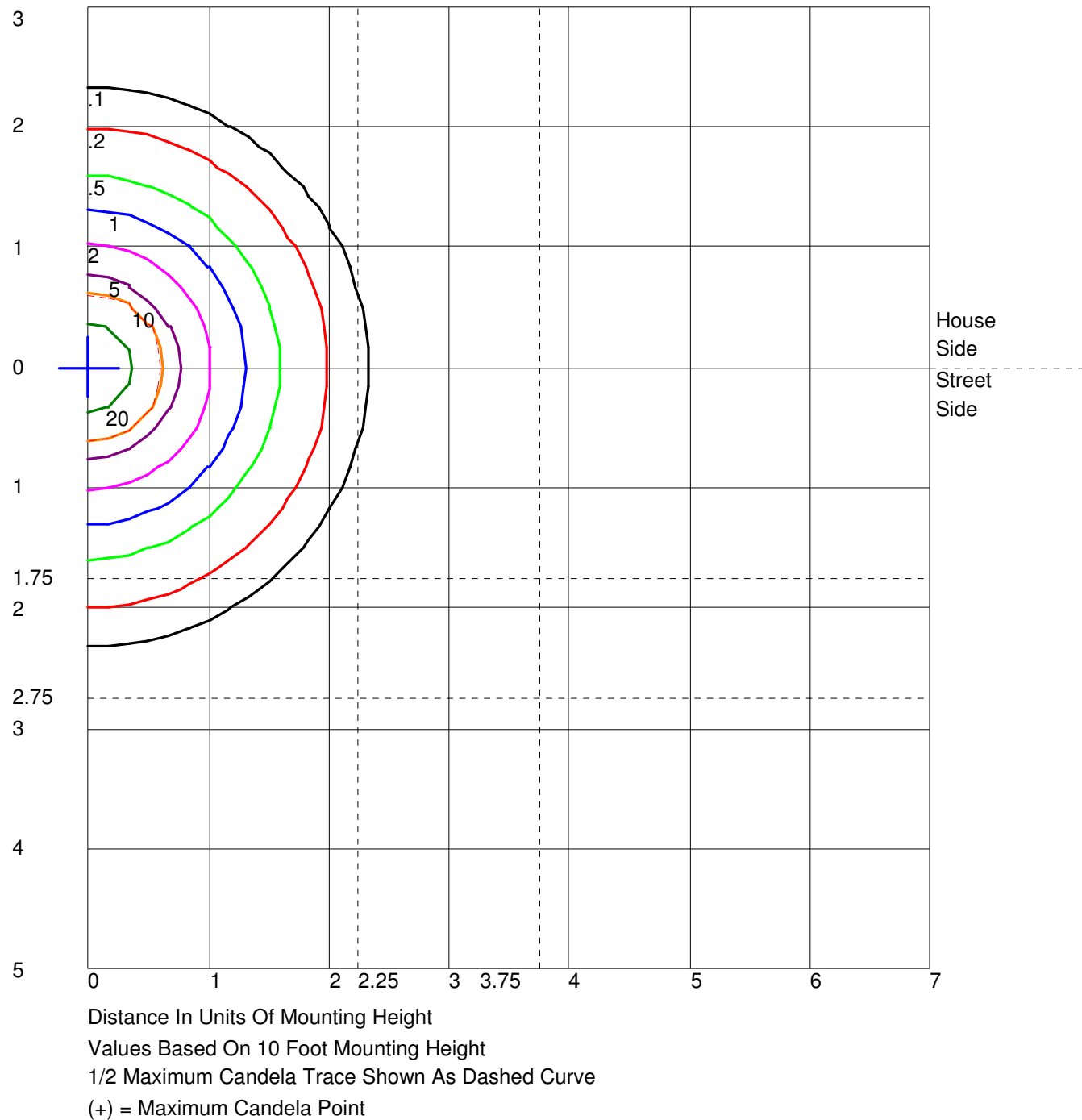
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

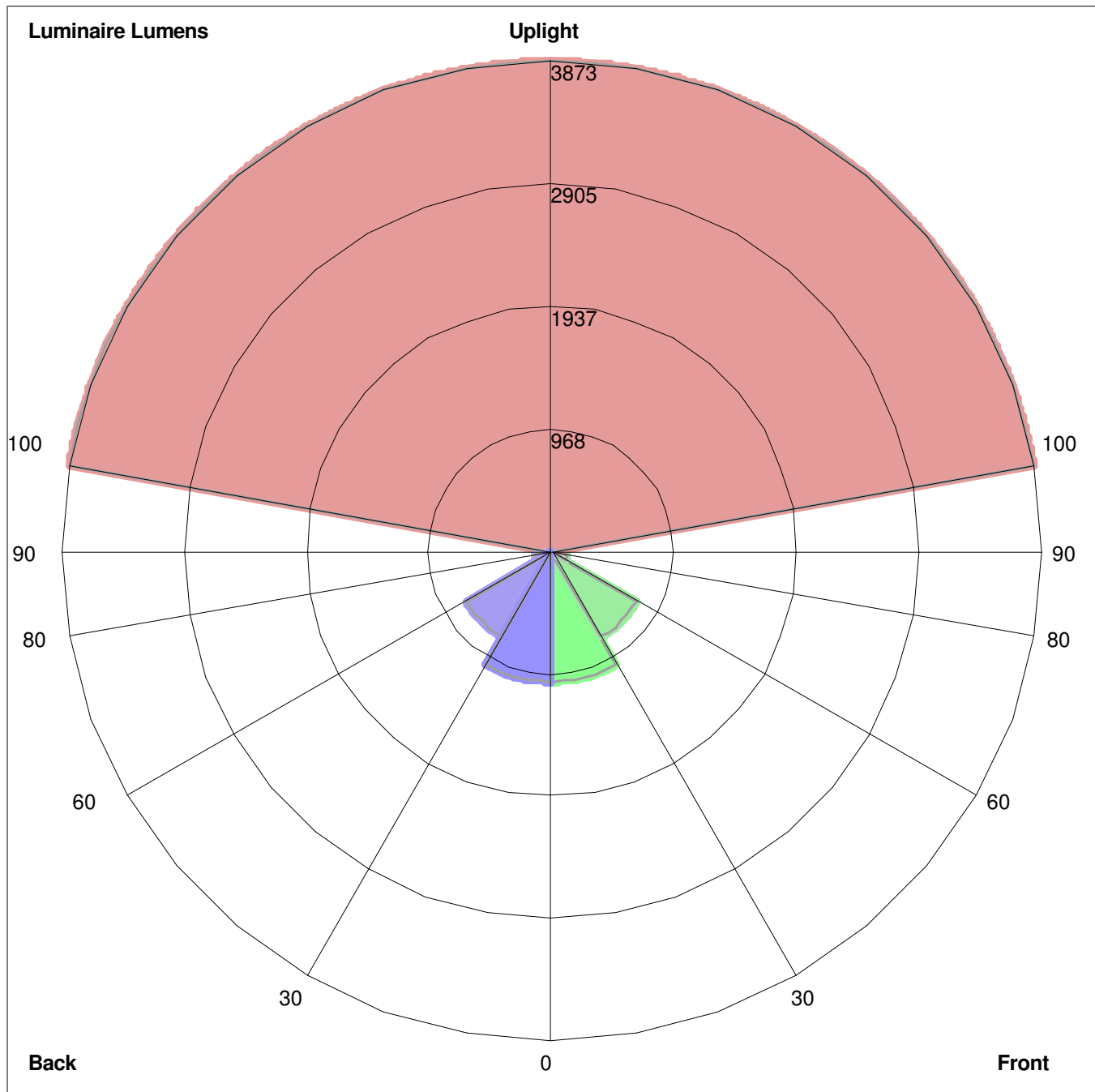
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1030.8, Medium=779.2, High=126.7, Very High=4.7
Back: Low=1030.8, Medium=779.2, High=126.7, Very High=4.7
Uplight: Low=9.4, High=3873.5

BUG Rating : B3-U5-G0