

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-940U-L30-940D-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-L30-940U-L30-940D-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	5969
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2486.508
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2486.508
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.653 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.414 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-940U-L30-940D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	792.3	N.A.	13.3
FM - Front-Medium (30-60)	598.9	N.A.	10.0
FH - Front-High (60-80)	97.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.6	N.A.	0.1
BL - Back-Low (0-30)	792.3	N.A.	13.3
BM - Back-Medium (30-60)	598.9	N.A.	10.0
BH - Back-High (60-80)	97.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.6	N.A.	0.1
UL - Uplight-Low (90-100)	7.2	N.A.	0.1
UH - Uplight-High (100-180)	2977.2	N.A.	49.9
Total	5968.8	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	2486.508	2486.508	2486.508	2486.508	2486.508	2486.508	2486.508	2486.508	2486.508
5	2460.888	2459.534	2455.163	2459.534	2460.888	2459.534	2455.163	2459.534	2460.888
10	2307.467	2304.032	2301.821	2304.032	2307.467	2304.032	2301.821	2304.032	2307.467
15	2066.123	2071.908	2069.837	2071.908	2066.123	2071.908	2069.837	2071.908	2066.123
20	1853.754	1857.627	1858.255	1857.627	1853.754	1857.627	1858.255	1857.627	1853.754
25	1704.684	1700.213	1701.099	1700.213	1704.684	1700.213	1701.099	1700.213	1704.684
30	1462.364	1443.823	1447.647	1443.823	1462.364	1443.823	1447.647	1443.823	1462.364
35	878.828	879.366	887.441	879.366	878.828	879.366	887.441	879.366	878.828
40	534.845	541.068	544.702	541.068	534.845	541.068	544.702	541.068	534.845
45	452.518	452.956	451.681	452.956	452.518	452.956	451.681	452.956	452.518
50	377.500	377.619	376.763	377.619	377.500	377.619	376.763	377.619	377.500
55	299.017	298.638	297.234	298.638	299.017	298.638	297.234	298.638	299.017
60	216.829	216.282	214.977	216.282	216.829	216.282	214.977	216.282	216.829
65	144.629	144.231	143.673	144.231	144.629	144.231	143.673	144.231	144.629
70	85.772	85.772	85.762	85.772	85.772	85.772	85.762	85.772	85.772
75	42.448	42.537	42.567	42.537	42.448	42.537	42.567	42.537	42.448
80	15.215	15.364	15.414	15.364	15.215	15.364	15.414	15.364	15.215
85	4.909	4.919	4.879	4.919	4.909	4.919	4.879	4.919	4.909
90	1.294	1.454	1.653	1.454	1.294	1.454	1.653	1.454	1.294
95	4.909	4.919	4.879	4.919	4.909	4.919	4.879	4.919	4.909
100	15.215	15.364	15.414	15.364	15.215	15.364	15.414	15.364	15.215
105	42.448	42.537	42.567	42.537	42.448	42.537	42.567	42.537	42.448
110	85.772	85.772	85.762	85.772	85.772	85.772	85.762	85.772	85.772
115	144.629	144.231	143.673	144.231	144.629	144.231	143.673	144.231	144.629
120	216.829	216.282	214.977	216.282	216.829	216.282	214.977	216.282	216.829
125	299.017	298.638	297.234	298.638	299.017	298.638	297.234	298.638	299.017
130	377.500	377.619	376.763	377.619	377.500	377.619	376.763	377.619	377.500
135	452.518	452.956	451.681	452.956	452.518	452.956	451.681	452.956	452.518
140	534.845	541.068	544.702	541.068	534.845	541.068	544.702	541.068	534.845
145	878.828	879.366	887.441	879.366	878.828	879.366	887.441	879.366	878.828
150	1462.364	1443.823	1447.647	1443.823	1462.364	1443.823	1447.647	1443.823	1462.364
155	1704.684	1700.213	1701.099	1700.213	1704.684	1700.213	1701.099	1700.213	1704.684
160	1853.754	1857.627	1858.255	1857.627	1853.754	1857.627	1858.255	1857.627	1853.754
165	2066.123	2071.908	2069.837	2071.908	2066.123	2071.908	2069.837	2071.908	2066.123
170	2307.467	2304.032	2301.821	2304.032	2307.467	2304.032	2301.821	2304.032	2307.467
175	2460.888	2459.534	2455.163	2459.534	2460.888	2459.534	2455.163	2459.534	2460.888
180	2486.329	2486.329	2486.329	2486.329	2486.329	2486.329	2486.329	2486.329	2486.329

COEFFICIENTS OF UTILIZATION



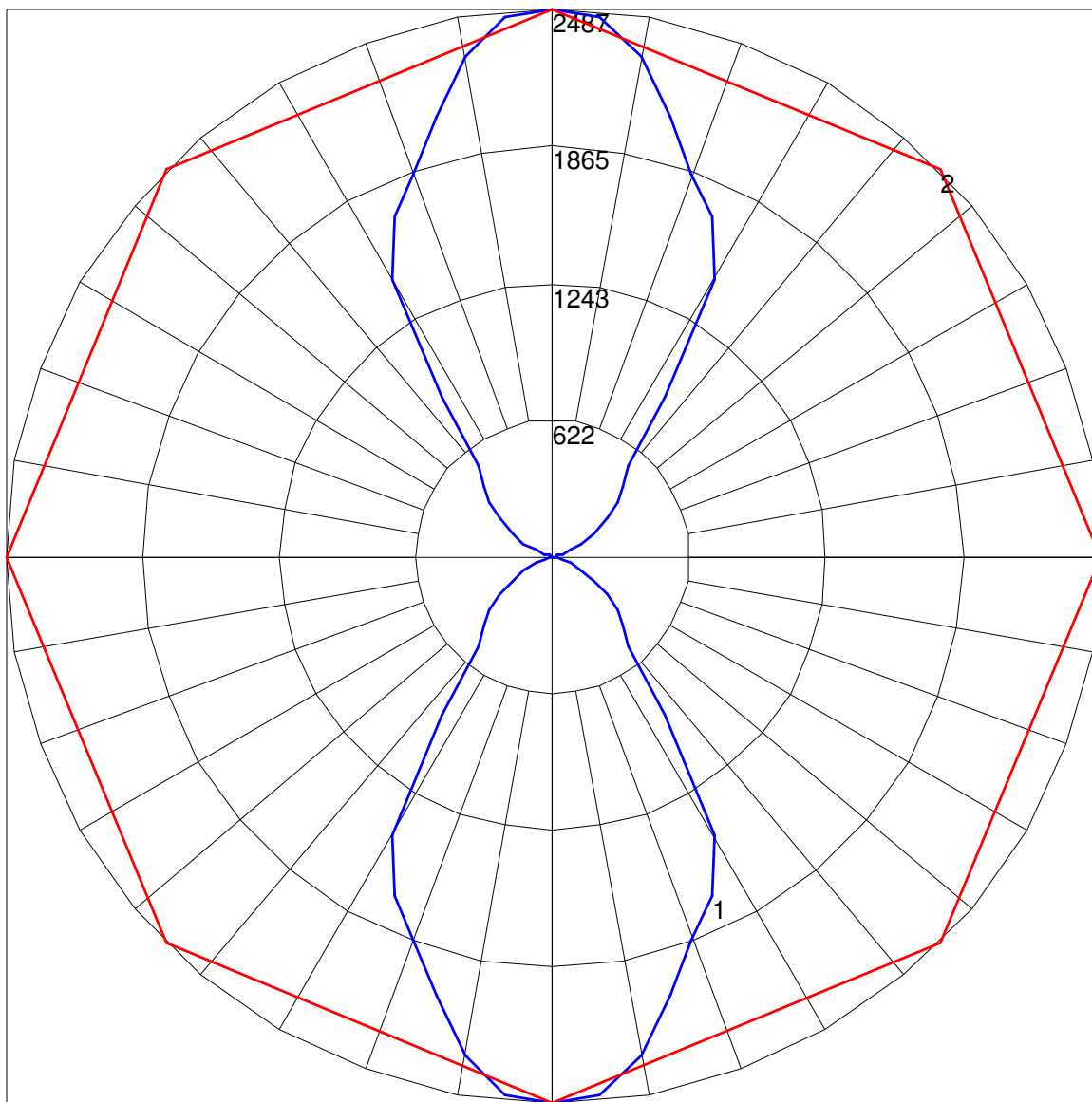
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1492.2	25.0
Downward House Side	1492.2	25.0
Downward Total	2984.4	50.0
Upward Street Side	1492.2	25.0
Upward House Side	1492.2	25.0
Upward Total	2984.4	50.0
Total Flux	5968.8	100.0

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POLAR GRAPH



Maximum Candela = 2486.508 Located At Horizontal Angle = 360, Vertical Angle = 0

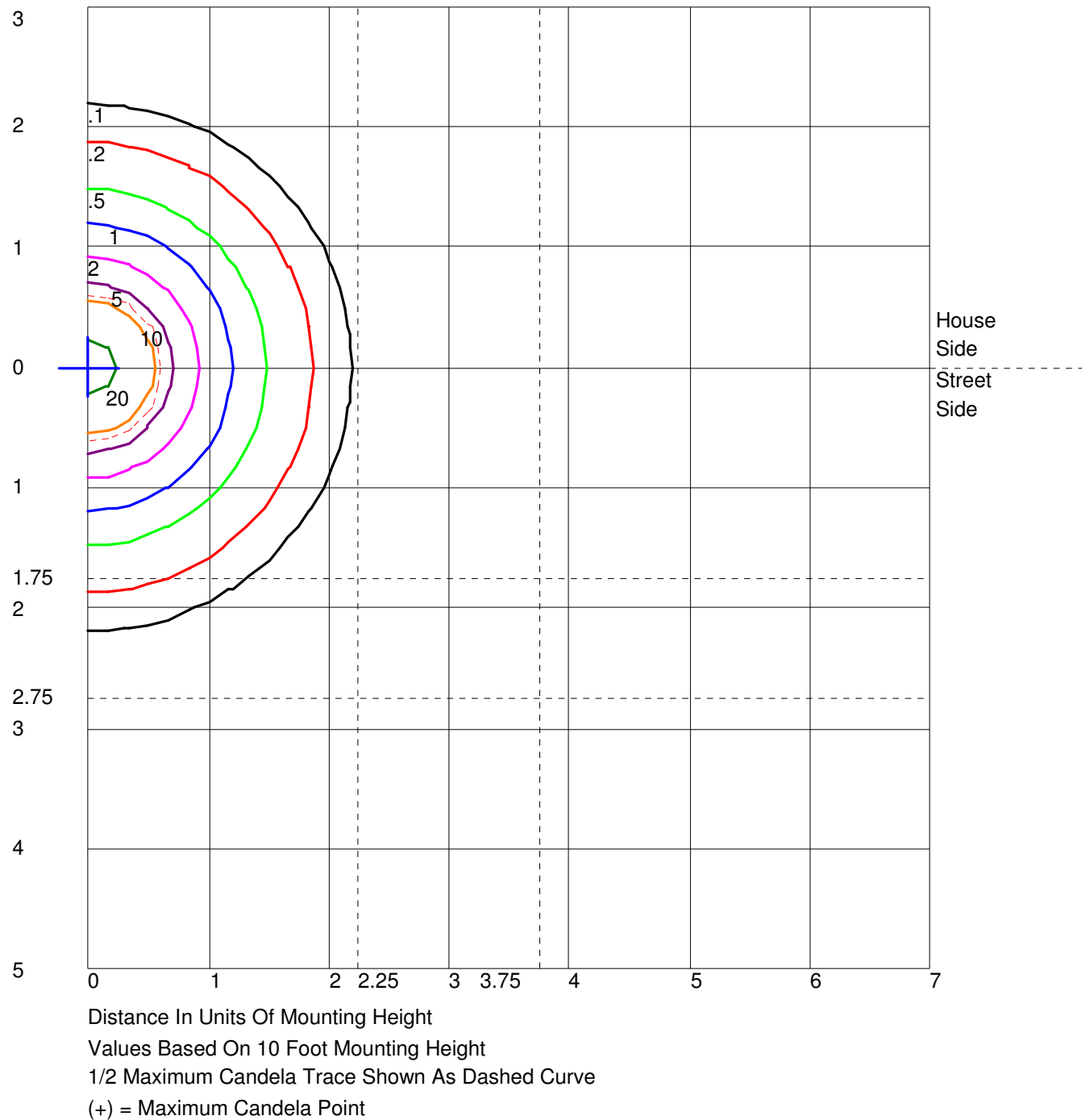
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

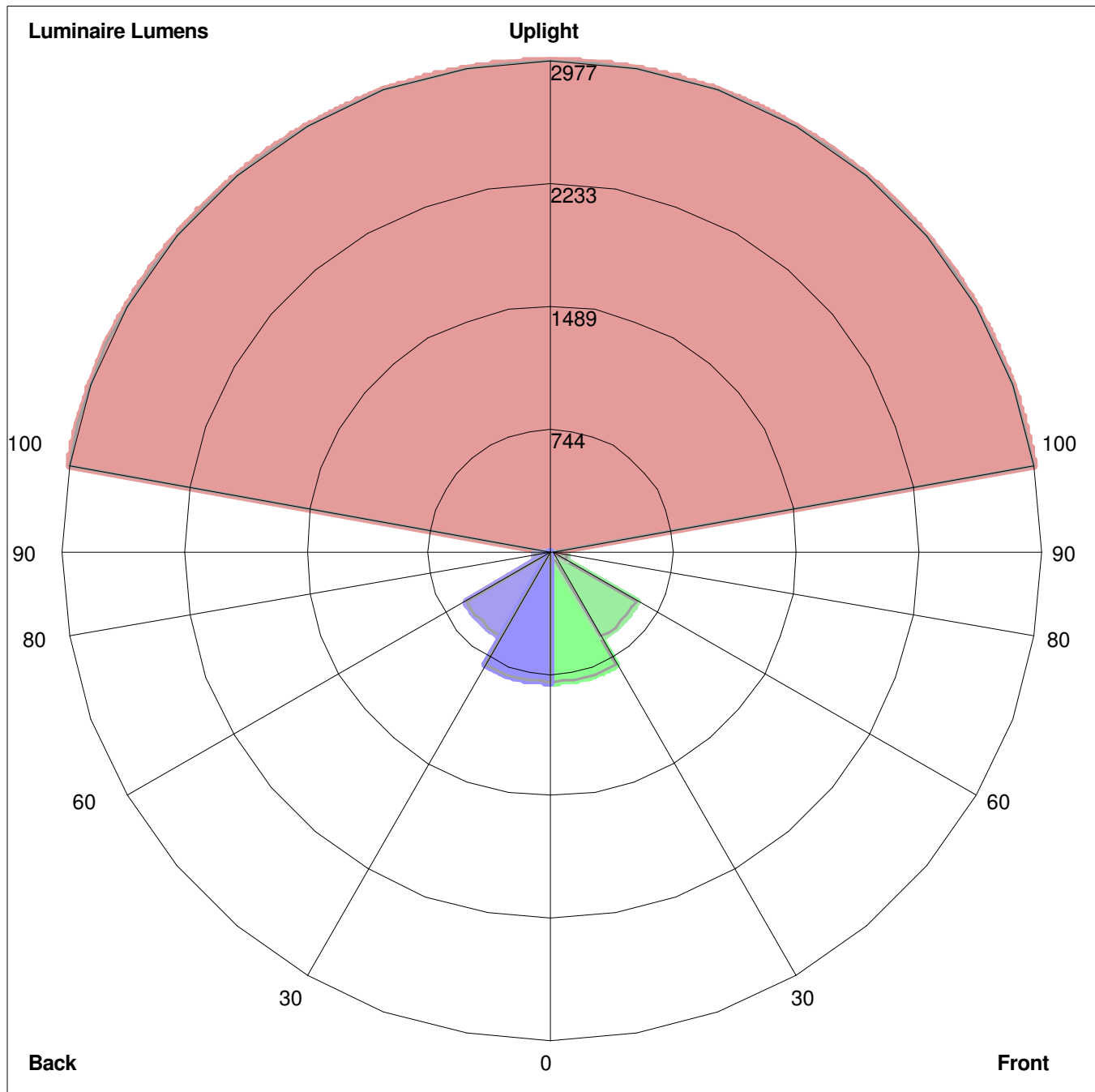
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=792.3, Medium=598.9, High=97.4, Very High=3.6
Back: Low=792.3, Medium=598.9, High=97.4, Very High=3.6
Uplight: Low=7.2, High=2977.2

BUG Rating : B2-U5-G0