

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-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-L20-840U-L20-840D-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	4381
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1825.037
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1825.037
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.213 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	11.313 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-840U-L20-840D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	581.5	N.A.	13.3
FM - Front-Medium (30-60)	439.6	N.A.	10.0
FH - Front-High (60-80)	71.5	N.A.	1.6
FVH - Front-Very High (80-90)	2.7	N.A.	0.1
BL - Back-Low (0-30)	581.5	N.A.	13.3
BM - Back-Medium (30-60)	439.6	N.A.	10.0
BH - Back-High (60-80)	71.5	N.A.	1.6
BVH - Back-Very High (80-90)	2.7	N.A.	0.1
UL - Uplight-Low (90-100)	5.3	N.A.	0.1
UH - Uplight-High (100-180)	2185.2	N.A.	49.9
Total	4381.1	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	1825.037	1825.037	1825.037	1825.037	1825.037	1825.037	1825.037	1825.037	1825.037
5	1806.232	1805.238	1802.030	1805.238	1806.232	1805.238	1802.030	1805.238	1806.232
10	1693.624	1691.103	1689.481	1691.103	1693.624	1691.103	1689.481	1691.103	1693.624
15	1516.484	1520.730	1519.210	1520.730	1516.484	1520.730	1519.210	1520.730	1516.484
20	1360.610	1363.453	1363.914	1363.453	1360.610	1363.453	1363.914	1363.453	1360.610
25	1251.196	1247.915	1248.565	1247.915	1251.196	1247.915	1248.565	1247.915	1251.196
30	1073.339	1059.731	1062.538	1059.731	1073.339	1059.731	1062.538	1059.731	1073.339
35	645.039	645.433	651.360	645.433	645.039	645.433	651.360	645.433	645.039
40	392.563	397.131	399.798	397.131	392.563	397.131	399.798	397.131	392.563
45	332.137	332.459	331.523	332.459	332.137	332.459	331.523	332.459	332.137
50	277.076	277.163	276.535	277.163	277.076	277.163	276.535	277.163	277.076
55	219.471	219.193	218.163	219.193	219.471	219.193	218.163	219.193	219.471
60	159.148	158.746	157.788	158.746	159.148	158.746	157.788	158.746	159.148
65	106.154	105.862	105.453	105.862	106.154	105.862	105.453	105.862	106.154
70	62.954	62.954	62.947	62.954	62.954	62.954	62.947	62.954	62.954
75	31.156	31.221	31.243	31.221	31.156	31.221	31.243	31.221	31.156
80	11.167	11.277	11.313	11.277	11.167	11.277	11.313	11.277	11.167
85	3.603	3.610	3.581	3.610	3.603	3.610	3.581	3.610	3.603
90	0.950	1.067	1.213	1.067	0.950	1.067	1.213	1.067	0.950
95	3.603	3.610	3.581	3.610	3.603	3.610	3.581	3.610	3.603
100	11.167	11.277	11.313	11.277	11.167	11.277	11.313	11.277	11.167
105	31.156	31.221	31.243	31.221	31.156	31.221	31.243	31.221	31.156
110	62.954	62.954	62.947	62.954	62.954	62.954	62.947	62.954	62.954
115	106.154	105.862	105.453	105.862	106.154	105.862	105.453	105.862	106.154
120	159.148	158.746	157.788	158.746	159.148	158.746	157.788	158.746	159.148
125	219.471	219.193	218.163	219.193	219.471	219.193	218.163	219.193	219.471
130	277.076	277.163	276.535	277.163	277.076	277.163	276.535	277.163	277.076
135	332.137	332.459	331.523	332.459	332.137	332.459	331.523	332.459	332.137
140	392.563	397.131	399.798	397.131	392.563	397.131	399.798	397.131	392.563
145	645.039	645.433	651.360	645.433	645.039	645.433	651.360	645.433	645.039
150	1073.339	1059.731	1062.538	1059.731	1073.339	1059.731	1062.538	1059.731	1073.339
155	1251.196	1247.915	1248.565	1247.915	1251.196	1247.915	1248.565	1247.915	1251.196
160	1360.610	1363.453	1363.914	1363.453	1360.610	1363.453	1363.914	1363.453	1360.610
165	1516.484	1520.730	1519.210	1520.730	1516.484	1520.730	1519.210	1520.730	1516.484
170	1693.624	1691.103	1689.481	1691.103	1693.624	1691.103	1689.481	1691.103	1693.624
175	1806.232	1805.238	1802.030	1805.238	1806.232	1805.238	1802.030	1805.238	1806.232
180	1824.905	1824.905	1824.905	1824.905	1824.905	1824.905	1824.905	1824.905	1824.905

COEFFICIENTS OF UTILIZATION



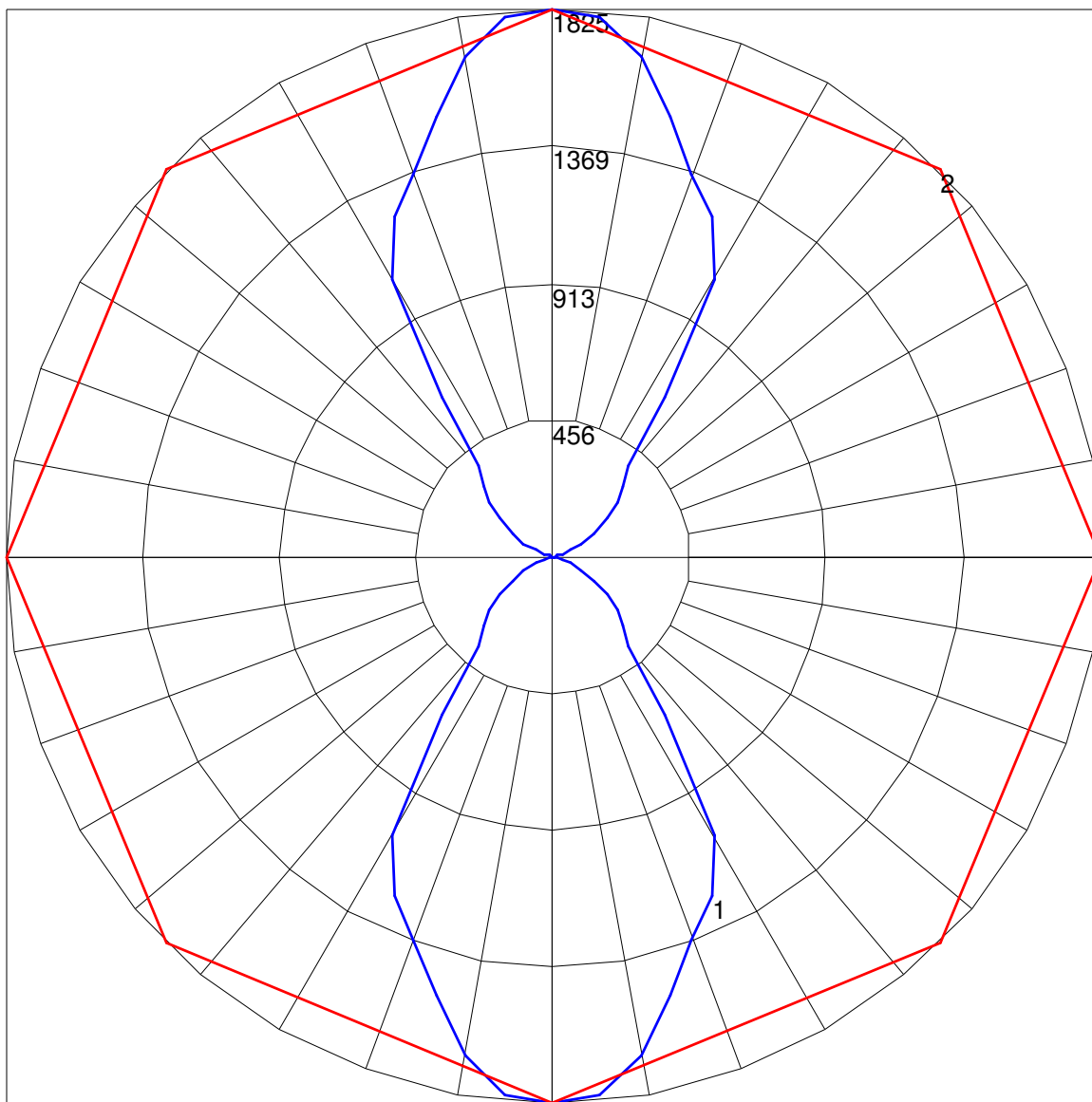
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1095.3	25.0
Downward House Side	1095.3	25.0
Downward Total	2190.6	50.0
Upward Street Side	1095.3	25.0
Upward House Side	1095.3	25.0
Upward Total	2190.6	50.0
Total Flux	4381.2	100.0

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POLAR GRAPH



Maximum Candela = 1825.037 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.)

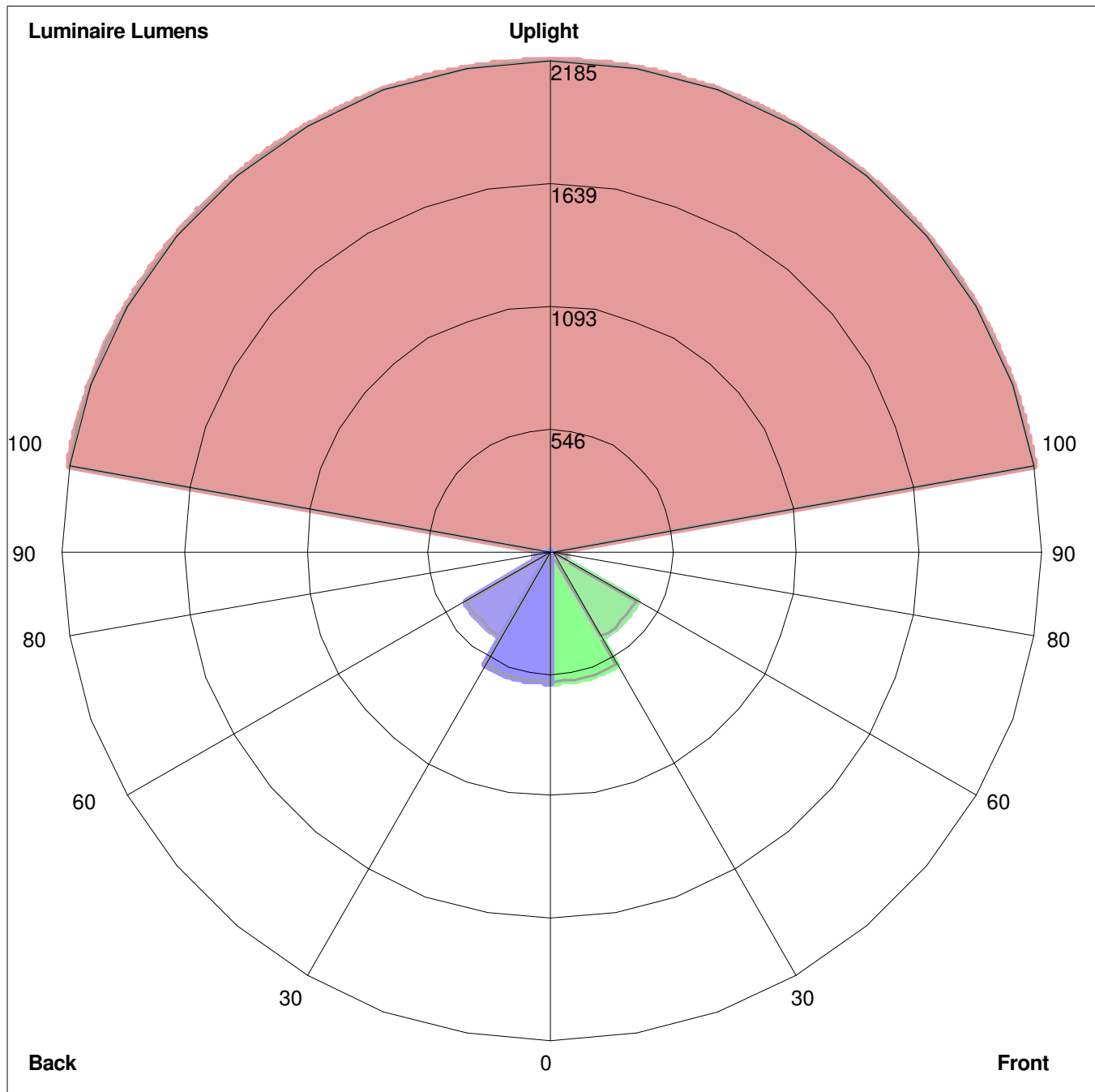
Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=581.5, Medium=439.6, High=71.5, Very High=2.7
Back: Low=581.5, Medium=439.6, High=71.5, Very High=2.7
Uplight: Low=5.3, High=2185.2

BUG Rating : B2-U5-G0