

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-840U-L10-840D-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-L10-840U-L10-840D-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	1992
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2084.35
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2084.35
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.15 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.695 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-840U-L10-840D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	414.9	N.A.	20.8
FM - Front-Medium (30-60)	77.5	N.A.	3.9
FH - Front-High (60-80)	5.2	N.A.	0.3
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	414.9	N.A.	20.8
BM - Back-Medium (30-60)	77.5	N.A.	3.9
BH - Back-High (60-80)	5.2	N.A.	0.3
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.7	N.A.	0.0
UH - Uplight-High (100-180)	995.1	N.A.	50.0
Total	1991.6	N.A.	100.0
BUG Rating	B1-U4-G0		

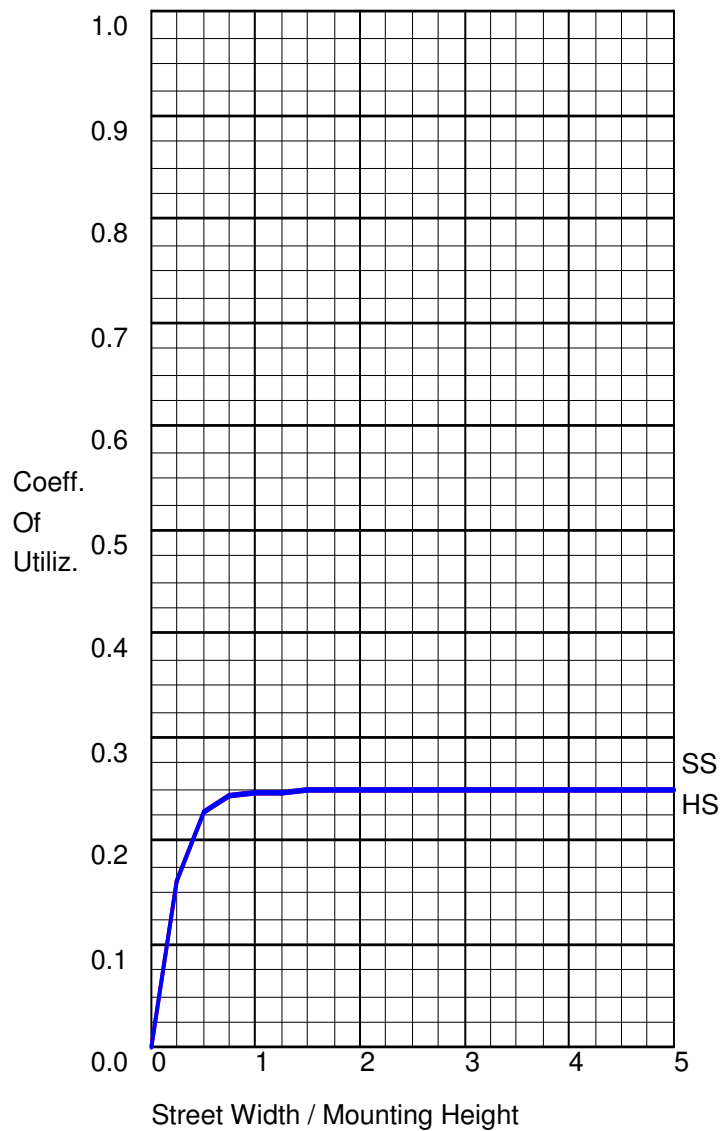
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## CANDELA TABULATION

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>
<b>0</b>	2084.350	2084.350	2084.350	2084.350	2084.350	2084.350	2084.350	2084.350	2084.350
<b>5</b>	2071.210	2057.903	2043.987	2057.903	2071.210	2057.903	2043.987	2057.903	2071.210
<b>10</b>	1806.233	1794.774	1778.798	1794.774	1806.233	1794.774	1778.798	1794.774	1806.233
<b>15</b>	1317.593	1326.143	1325.498	1326.143	1317.593	1326.143	1325.498	1326.143	1317.593
<b>20</b>	867.376	873.570	877.641	873.570	867.376	873.570	877.641	873.570	867.376
<b>25</b>	581.377	583.088	585.817	583.088	581.377	583.088	585.817	583.088	581.377
<b>30</b>	398.474	392.581	395.694	392.581	398.474	392.581	395.694	392.581	398.474
<b>35</b>	170.242	170.734	174.225	170.734	170.242	170.734	174.225	170.734	170.242
<b>40</b>	48.245	50.011	52.153	50.011	48.245	50.011	52.153	50.011	48.245
<b>45</b>	26.378	26.756	26.456	26.756	26.378	26.756	26.456	26.756	26.378
<b>50</b>	17.577	17.785	17.427	17.785	17.577	17.785	17.427	17.785	17.577
<b>55</b>	12.358	12.416	12.175	12.416	12.358	12.416	12.175	12.416	12.358
<b>60</b>	9.046	9.039	8.922	9.039	9.046	9.039	8.922	9.039	9.046
<b>65</b>	6.904	6.862	6.758	6.862	6.904	6.862	6.758	6.862	6.904
<b>70</b>	5.095	5.046	4.945	5.046	5.095	5.046	4.945	5.046	5.095
<b>75</b>	3.348	3.309	3.250	3.309	3.348	3.309	3.250	3.309	3.348
<b>80</b>	1.692	1.695	1.685	1.695	1.692	1.695	1.685	1.695	1.692
<b>85</b>	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
<b>90</b>	0.124	0.143	0.150	0.143	0.124	0.143	0.150	0.143	0.124
<b>95</b>	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329
<b>100</b>	1.692	1.695	1.685	1.695	1.692	1.695	1.685	1.695	1.692
<b>105</b>	3.348	3.309	3.250	3.309	3.348	3.309	3.250	3.309	3.348
<b>110</b>	5.095	5.046	4.945	5.046	5.095	5.046	4.945	5.046	5.095
<b>115</b>	6.904	6.862	6.758	6.862	6.904	6.862	6.758	6.862	6.904
<b>120</b>	9.046	9.039	8.922	9.039	9.046	9.039	8.922	9.039	9.046
<b>125</b>	12.358	12.416	12.175	12.416	12.358	12.416	12.175	12.416	12.358
<b>130</b>	17.577	17.785	17.427	17.785	17.577	17.785	17.427	17.785	17.577
<b>135</b>	26.378	26.756	26.456	26.756	26.378	26.756	26.456	26.756	26.378
<b>140</b>	48.245	50.011	52.153	50.011	48.245	50.011	52.153	50.011	48.245
<b>145</b>	170.242	170.734	174.225	170.734	170.242	170.734	174.225	170.734	170.242
<b>150</b>	398.474	392.581	395.694	392.581	398.474	392.581	395.694	392.581	398.474
<b>155</b>	581.377	583.088	585.817	583.088	581.377	583.088	585.817	583.088	581.377
<b>160</b>	867.376	873.570	877.641	873.570	867.376	873.570	877.641	873.570	867.376
<b>165</b>	1317.593	1326.143	1325.498	1326.143	1317.593	1326.143	1325.498	1326.143	1317.593
<b>170</b>	1806.233	1794.774	1778.798	1794.774	1806.233	1794.774	1778.798	1794.774	1806.233
<b>175</b>	2071.210	2057.903	2043.987	2057.903	2071.210	2057.903	2043.987	2057.903	2071.210
<b>180</b>	2084.297	2084.297	2084.297	2084.297	2084.297	2084.297	2084.297	2084.297	2084.297

### COEFFICIENTS OF UTILIZATION



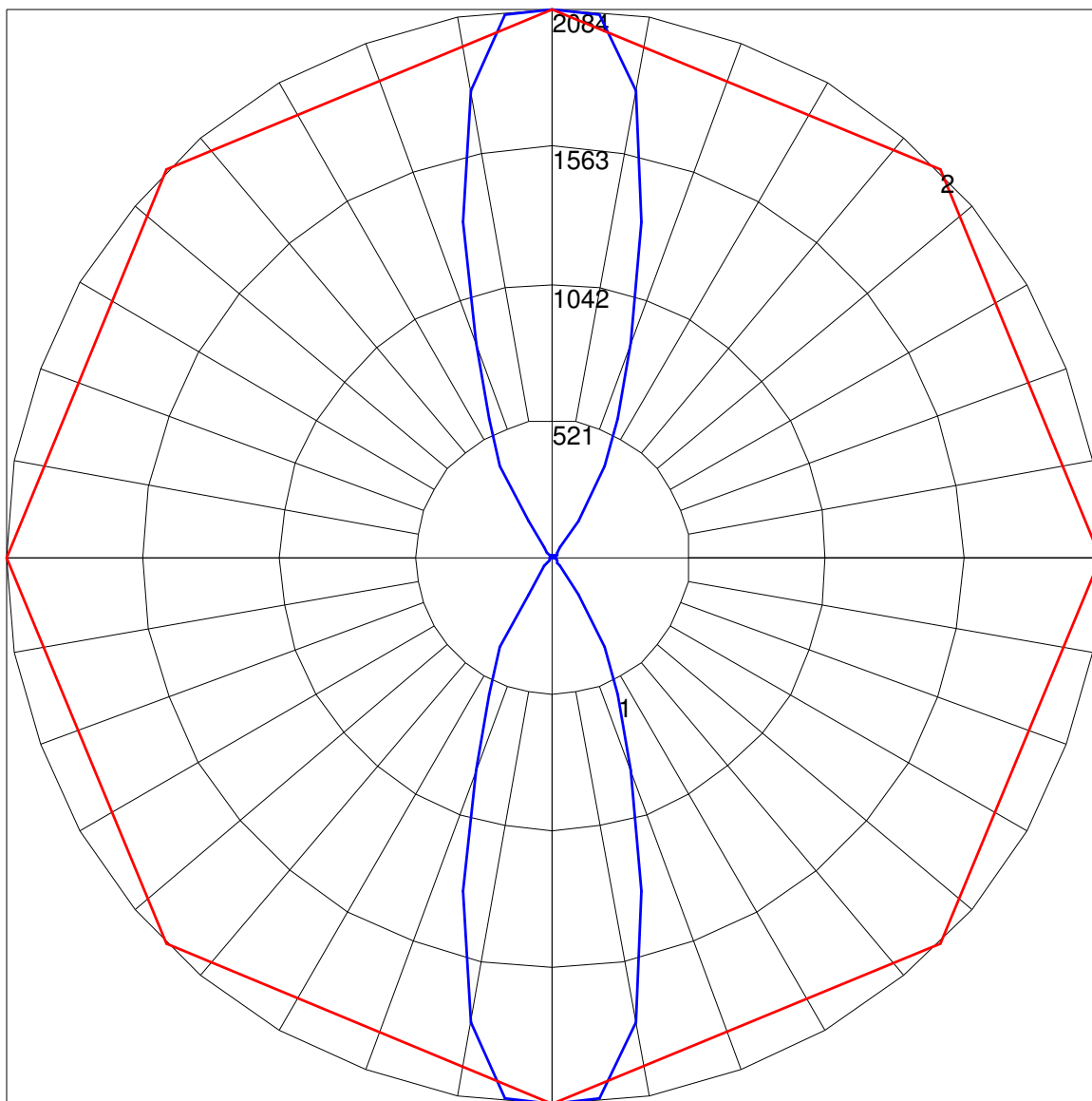
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	497.9	25.0
Downward House Side	497.9	25.0
Downward Total	995.8	50.0
Upward Street Side	497.9	25.0
Upward House Side	497.9	25.0
Upward Total	995.8	50.0
Total Flux	1991.6	100.0

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## POLAR GRAPH

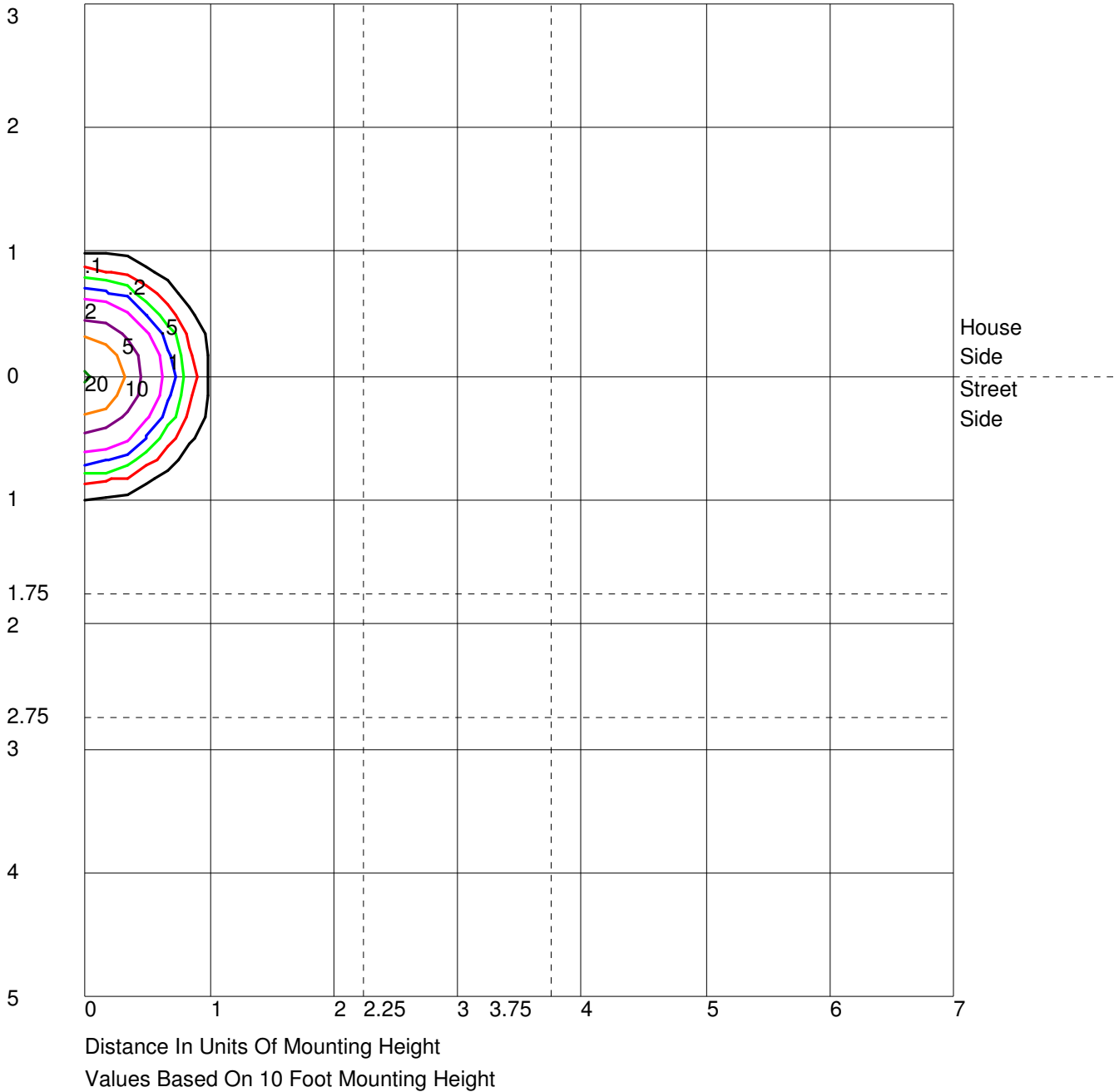


Maximum Candela = 2084.35 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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



# PHOTO LUMENS

