

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-830U-L50-830D-XXX-DIM-UNV-W-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(V22)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-08-06  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CRDI-xx-L50-830U-L50-830D-xxx-DIM-UNV-W-xx  
[LUMINAIRE] 6 INCH ROUND DIRECT-INDIRECT WET LOCATION  
[MORE] LED CYLINDER WITH WIDE DIST.  
[LAMPCAT] BL VERO 22  
[LAMP] LED  
[OTHER] Absolute Photometry

### CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10346
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4158.996
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	4158.996
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.849 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	28.079 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L50-830U-L50-830D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1348.3	N.A.	13.0
FM - Front-Medium (30-60)	1057.1	N.A.	10.2
FH - Front-High (60-80)	174.6	N.A.	1.7
FVH - Front-Very High (80-90)	6.5	N.A.	0.1
BL - Back-Low (0-30)	1348.3	N.A.	13.0
BM - Back-Medium (30-60)	1057.1	N.A.	10.2
BH - Back-High (60-80)	174.6	N.A.	1.7
BVH - Back-Very High (80-90)	6.5	N.A.	0.1
UL - Uplight-Low (90-100)	12.9	N.A.	0.1
UH - Uplight-High (100-180)	5160.0	N.A.	49.9
Total	10345.9	N.A.	100.0
BUG Rating	B3-U5-G1		

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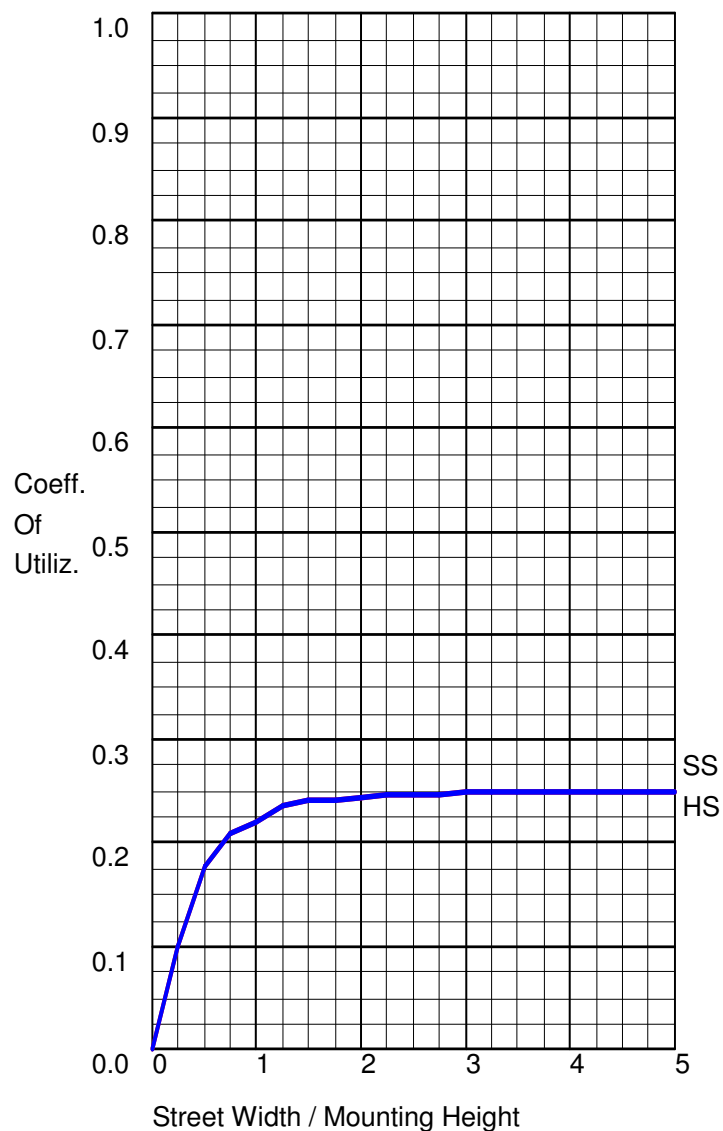
## CANDELA TABULATION

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	4122.850	4122.850	4122.850	4122.850	4122.850	4122.850	4122.850	4122.850	4122.850
5	4042.647	4125.597	4158.996	4125.597	4042.647	4125.597	4158.996	4125.597	4042.647
10	3815.165	3918.453	3945.657	3918.453	3815.165	3918.453	3945.657	3918.453	3815.165
15	3502.949	3540.176	3531.560	3540.176	3502.949	3540.176	3531.560	3540.176	3502.949
20	3171.801	3182.562	3163.185	3182.562	3171.801	3182.562	3163.185	3182.562	3171.801
25	2917.081	2905.016	2883.991	2905.016	2917.081	2905.016	2883.991	2905.016	2917.081
30	2525.897	2476.192	2436.391	2476.192	2525.897	2476.192	2436.391	2476.192	2525.897
35	1586.175	1596.507	1627.006	1596.507	1586.175	1596.507	1627.006	1596.507	1586.175
40	943.480	971.233	996.395	971.233	943.480	971.233	996.395	971.233	943.480
45	784.257	785.218	781.700	785.218	784.257	785.218	781.700	785.218	784.257
50	660.888	660.184	655.533	660.184	660.888	660.184	655.533	660.184	660.888
55	527.392	526.276	521.642	526.276	527.392	526.276	521.642	526.276	527.392
60	385.349	383.822	379.908	383.822	385.349	383.822	379.908	383.822	385.349
65	258.804	258.118	256.058	258.118	258.804	258.118	256.058	258.118	258.804
70	155.121	154.881	154.332	154.881	155.121	154.881	154.332	154.881	155.121
75	77.509	77.561	77.612	77.561	77.509	77.561	77.612	77.561	77.509
80	27.581	27.925	28.079	27.925	27.581	27.925	28.079	27.925	27.581
85	8.496	8.513	8.427	8.513	8.496	8.513	8.427	8.513	8.496
90	2.060	2.643	2.849	2.643	2.060	2.643	2.849	2.643	2.060
95	8.496	8.513	8.427	8.513	8.496	8.513	8.427	8.513	8.496
100	27.581	27.925	28.079	27.925	27.581	27.925	28.079	27.925	27.581
105	77.509	77.561	77.612	77.561	77.509	77.561	77.612	77.561	77.509
110	155.121	154.881	154.332	154.881	155.121	154.881	154.332	154.881	155.121
115	258.804	258.118	256.058	258.118	258.804	258.118	256.058	258.118	258.804
120	385.349	383.822	379.908	383.822	385.349	383.822	379.908	383.822	385.349
125	527.392	526.276	521.642	526.276	527.392	526.276	521.642	526.276	527.392
130	660.888	660.184	655.533	660.184	660.888	660.184	655.533	660.184	660.888
135	784.257	785.218	781.700	785.218	784.257	785.218	781.700	785.218	784.257
140	943.480	971.233	996.395	971.233	943.480	971.233	996.395	971.233	943.480
145	1586.175	1596.507	1627.006	1596.507	1586.175	1596.507	1627.006	1596.507	1586.175
150	2525.897	2476.192	2436.391	2476.192	2525.897	2476.192	2436.391	2476.192	2525.897
155	2917.081	2905.016	2883.991	2905.016	2917.081	2905.016	2883.991	2905.016	2917.081
160	3171.801	3182.562	3163.185	3182.562	3171.801	3182.562	3163.185	3182.562	3171.801
165	3502.949	3540.176	3531.560	3540.176	3502.949	3540.176	3531.560	3540.176	3502.949
170	3815.165	3918.453	3945.657	3918.453	3815.165	3918.453	3945.657	3918.453	3815.165
175	4042.647	4125.597	4158.996	4125.597	4042.647	4125.597	4158.996	4125.597	4042.647
180	4122.610	4122.610	4122.610	4122.610	4122.610	4122.610	4122.610	4122.610	4122.610

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### COEFFICIENTS OF UTILIZATION



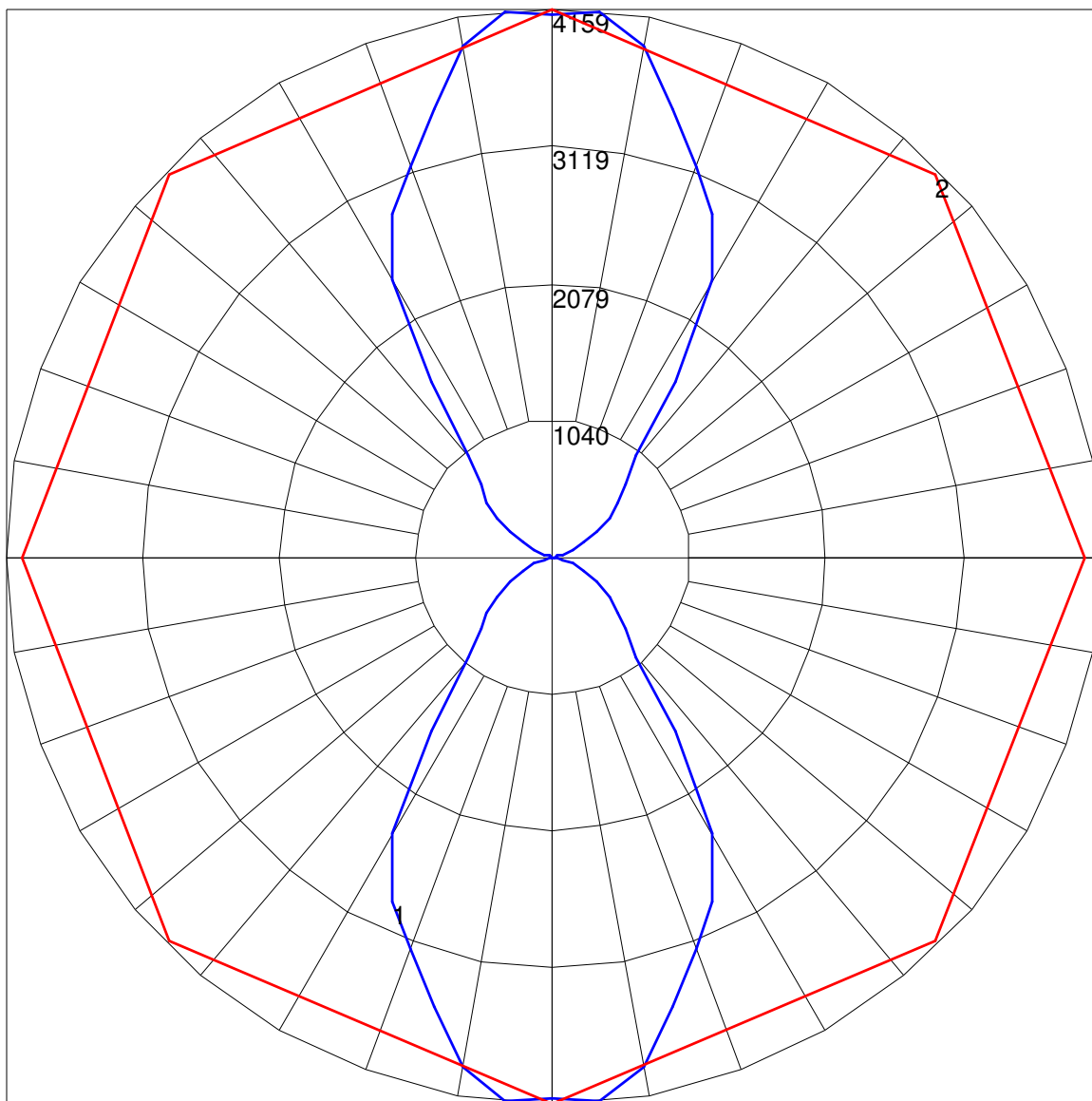
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2586.5	25.0
Downward House Side	2586.5	25.0
Downward Total	5173.0	50.0
Upward Street Side	2586.5	25.0
Upward House Side	2586.5	25.0
Upward Total	5173.0	50.0
Total Flux	10346.0	100.0

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## POLAR GRAPH



Maximum Candela = 4158.996 Located At Horizontal Angle = 270, Vertical Angle = 175

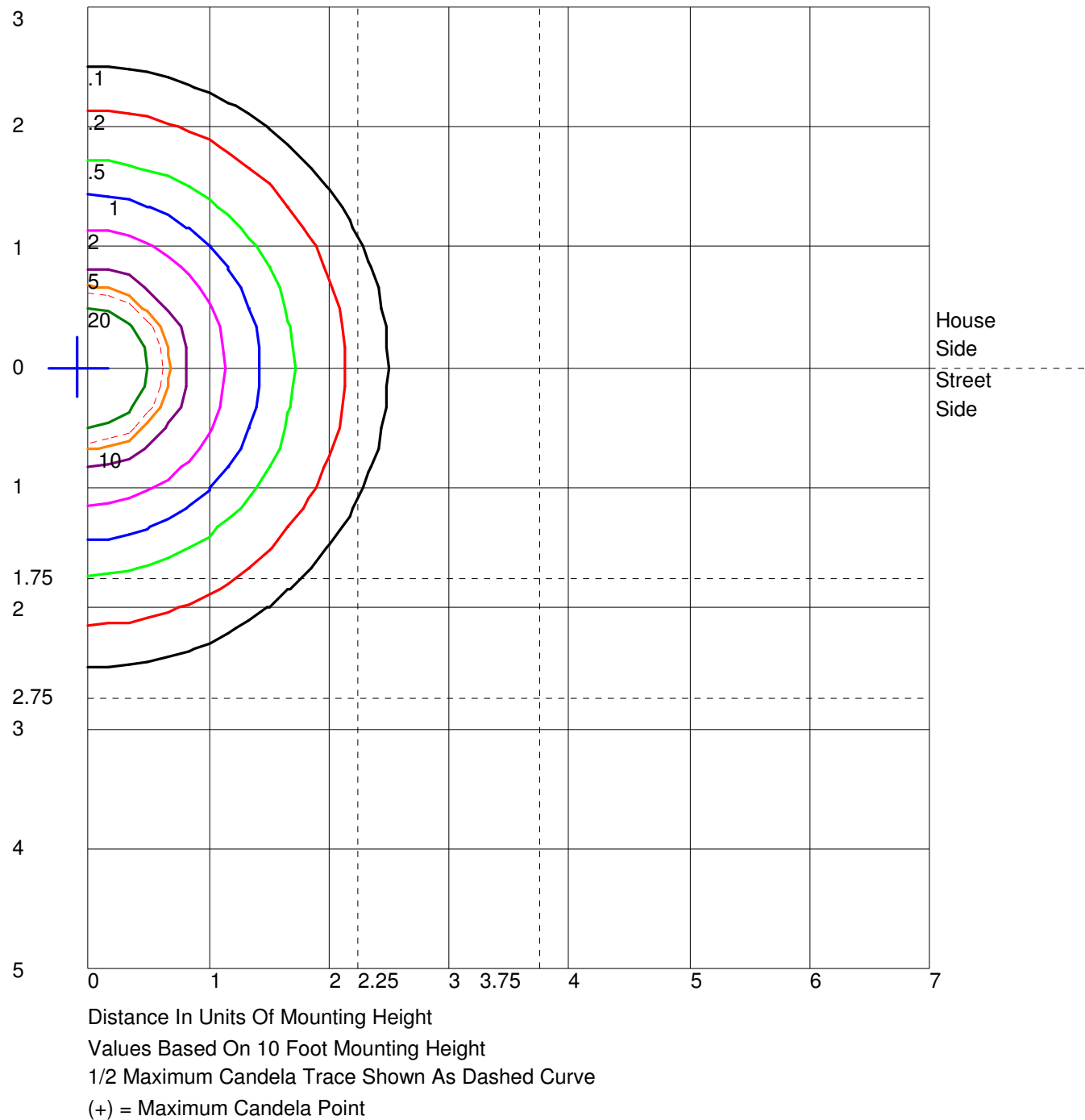
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

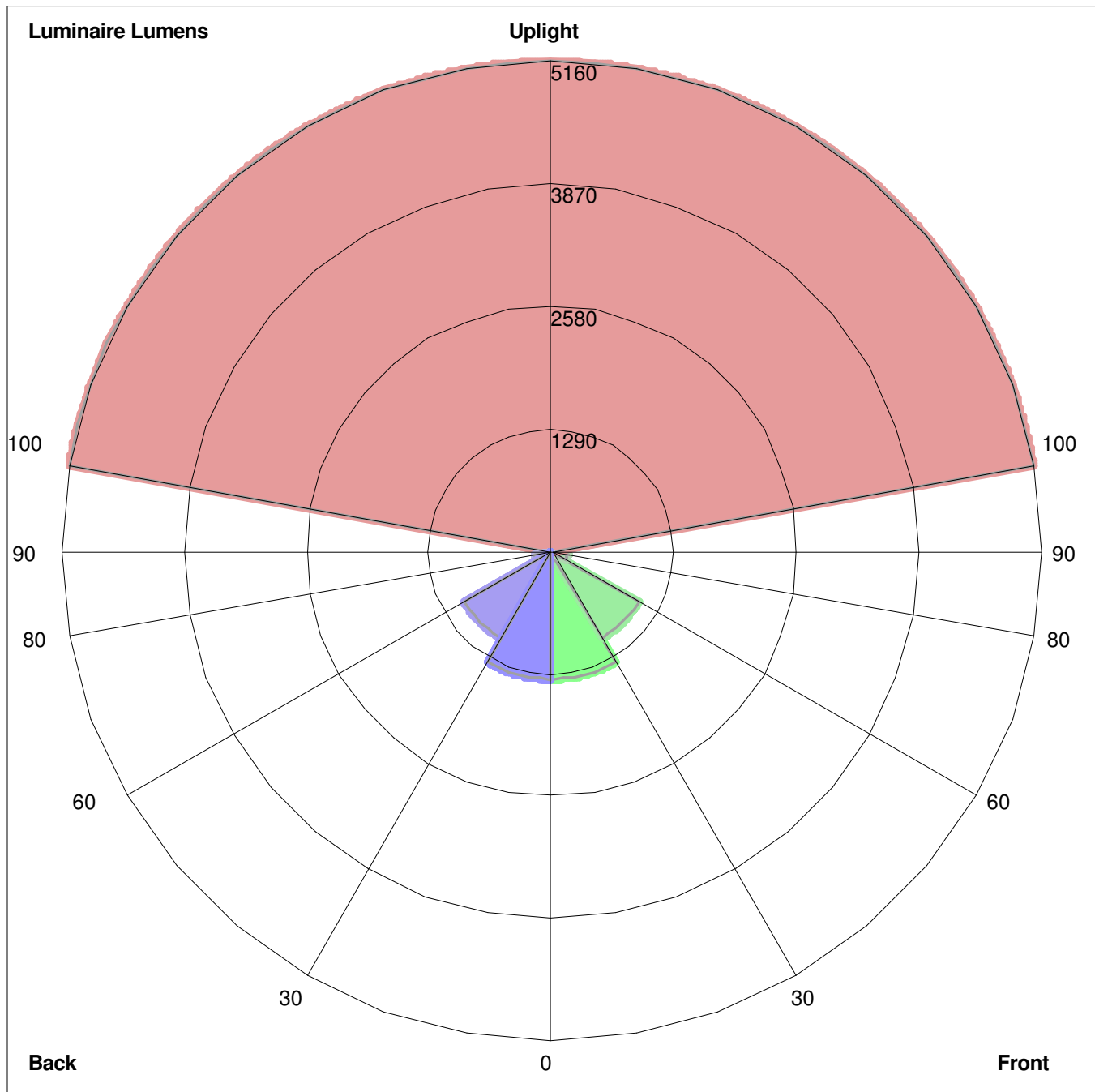
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1348.3, Medium=1057.1, High=174.6, Very High=6.5  
Back: Low=1348.3, Medium=1057.1, High=174.6, Very High=6.5  
Uplight: Low=12.9, High= 5160.0

BUG Rating : B3-U5-G1