

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-850U-L50-850D-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-L50-850U-L50-850D-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	10242
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4117.407
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	4117.407
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.821 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	27.798 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L50-850U-L50-850D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1334.9	N.A.	13.0
FM - Front-Medium (30-60)	1046.5	N.A.	10.2
FH - Front-High (60-80)	172.9	N.A.	1.7
FVH - Front-Very High (80-90)	6.4	N.A.	0.1
BL - Back-Low (0-30)	1334.9	N.A.	13.0
BM - Back-Medium (30-60)	1046.5	N.A.	10.2
BH - Back-High (60-80)	172.9	N.A.	1.7
BVH - Back-Very High (80-90)	6.4	N.A.	0.1
UL - Uplight-Low (90-100)	12.8	N.A.	0.1
UH - Uplight-High (100-180)	5108.4	N.A.	49.9
Total	10242.6	N.A.	100.0
BUG Rating	B3-U5-G1		

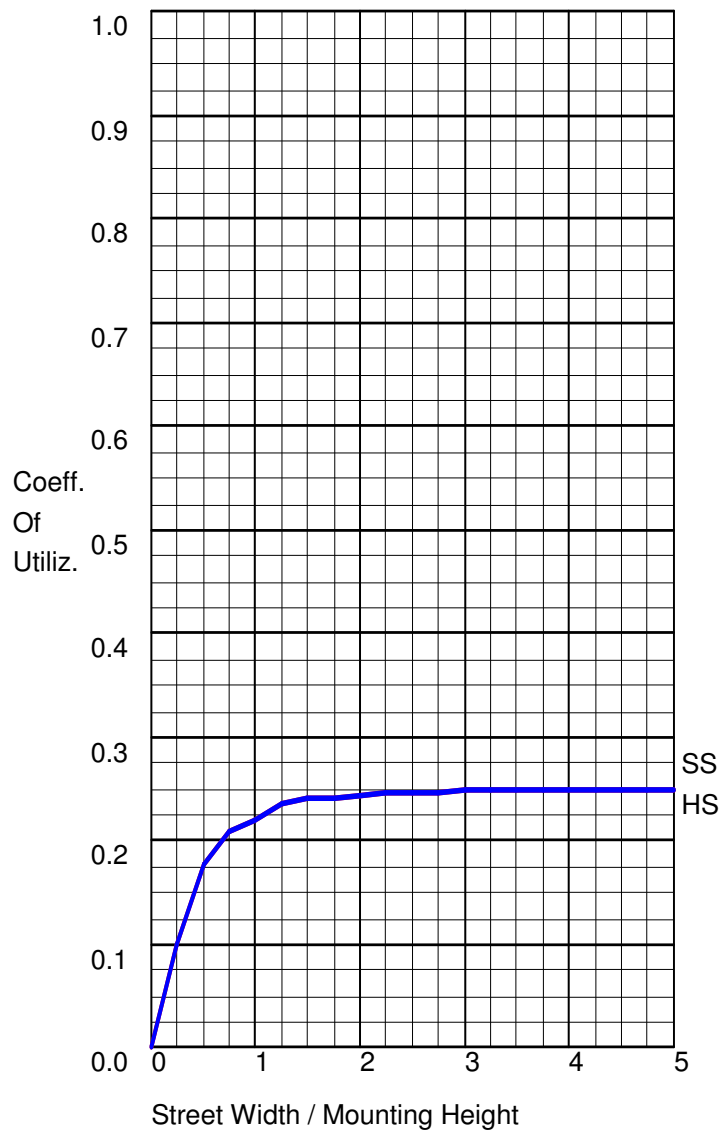
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## CANDELA TABULATION

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	4081.623	4081.623	4081.623	4081.623	4081.623	4081.623	4081.623	4081.623	4081.623
5	4002.221	4084.341	4117.407	4084.341	4002.221	4084.341	4117.407	4084.341	4002.221
10	3777.014	3879.270	3906.201	3879.270	3777.014	3879.270	3906.201	3879.270	3777.014
15	3467.920	3504.775	3496.245	3504.775	3467.920	3504.775	3496.245	3504.775	3467.920
20	3140.084	3150.737	3131.554	3150.737	3140.084	3150.737	3131.554	3150.737	3140.084
25	2887.911	2875.966	2855.151	2875.966	2887.911	2875.966	2855.151	2875.966	2887.911
30	2500.638	2451.431	2412.027	2451.431	2500.638	2451.431	2412.027	2451.431	2500.638
35	1570.314	1580.543	1610.737	1580.543	1570.314	1580.543	1610.737	1580.543	1570.314
40	934.046	961.521	986.431	961.521	934.046	961.521	986.431	961.521	934.046
45	776.415	777.366	773.883	777.366	776.415	777.366	773.883	777.366	776.415
50	654.279	653.582	648.978	653.582	654.279	653.582	648.978	653.582	654.279
55	522.118	521.014	516.426	521.014	522.118	521.014	516.426	521.014	522.118
60	381.496	379.983	376.109	379.983	381.496	379.983	376.109	379.983	381.496
65	256.216	255.537	253.498	255.537	256.216	255.537	253.498	255.537	256.216
70	153.570	153.332	152.789	153.332	153.570	153.332	152.789	153.332	153.570
75	76.734	76.785	76.836	76.785	76.734	76.785	76.836	76.785	76.734
80	27.306	27.645	27.798	27.645	27.306	27.645	27.798	27.645	27.306
85	8.411	8.428	8.343	8.428	8.411	8.428	8.343	8.428	8.411
90	2.039	2.617	2.821	2.617	2.039	2.617	2.821	2.617	2.039
95	8.411	8.428	8.343	8.428	8.411	8.428	8.343	8.428	8.411
100	27.306	27.645	27.798	27.645	27.306	27.645	27.798	27.645	27.306
105	76.734	76.785	76.836	76.785	76.734	76.785	76.836	76.785	76.734
110	153.570	153.332	152.789	153.332	153.570	153.332	152.789	153.332	153.570
115	256.216	255.537	253.498	255.537	256.216	255.537	253.498	255.537	256.216
120	381.496	379.983	376.109	379.983	381.496	379.983	376.109	379.983	381.496
125	522.118	521.014	516.426	521.014	522.118	521.014	516.426	521.014	522.118
130	654.279	653.582	648.978	653.582	654.279	653.582	648.978	653.582	654.279
135	776.415	777.366	773.883	777.366	776.415	777.366	773.883	777.366	776.415
140	934.046	961.521	986.431	961.521	934.046	961.521	986.431	961.521	934.046
145	1570.314	1580.543	1610.737	1580.543	1570.314	1580.543	1610.737	1580.543	1570.314
150	2500.638	2451.431	2412.027	2451.431	2500.638	2451.431	2412.027	2451.431	2500.638
155	2887.911	2875.966	2855.151	2875.966	2887.911	2875.966	2855.151	2875.966	2887.911
160	3140.084	3150.737	3131.554	3150.737	3140.084	3150.737	3131.554	3150.737	3140.084
165	3467.920	3504.775	3496.245	3504.775	3467.920	3504.775	3496.245	3504.775	3467.920
170	3777.014	3879.270	3906.201	3879.270	3777.014	3879.270	3906.201	3879.270	3777.014
175	4002.221	4084.341	4117.407	4084.341	4002.221	4084.341	4117.407	4084.341	4002.221
180	4081.385	4081.385	4081.385	4081.385	4081.385	4081.385	4081.385	4081.385	4081.385

COEFFICIENTS OF UTILIZATION



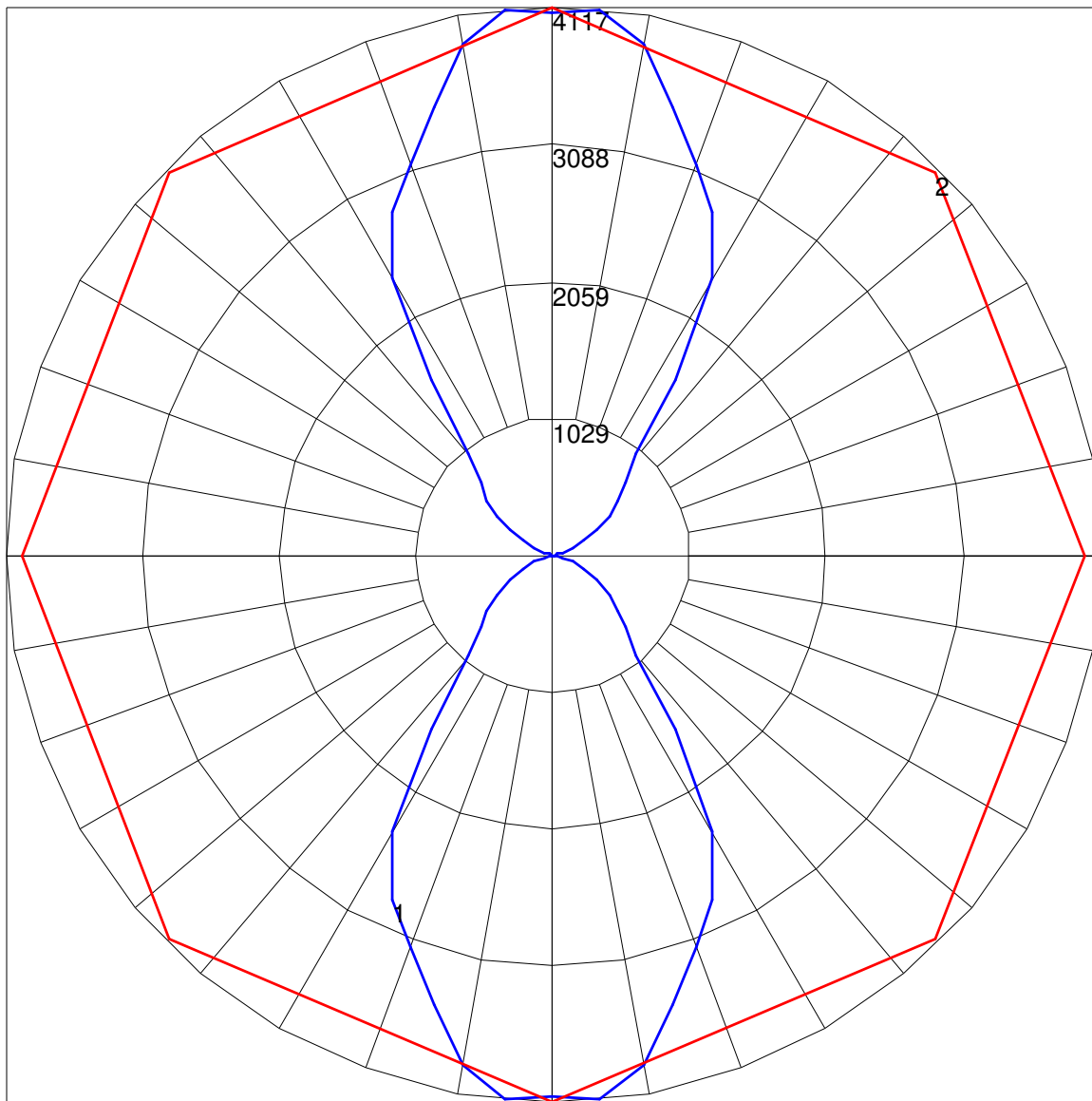
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2560.6	25.0
Downward House Side	2560.6	25.0
Downward Total	5121.2	50.0
Upward Street Side	2560.6	25.0
Upward House Side	2560.6	25.0
Upward Total	5121.2	50.0
Total Flux	10242.4	100.0

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## POLAR GRAPH



Maximum Candela = 4117.407 Located At Horizontal Angle = 270, Vertical Angle = 175

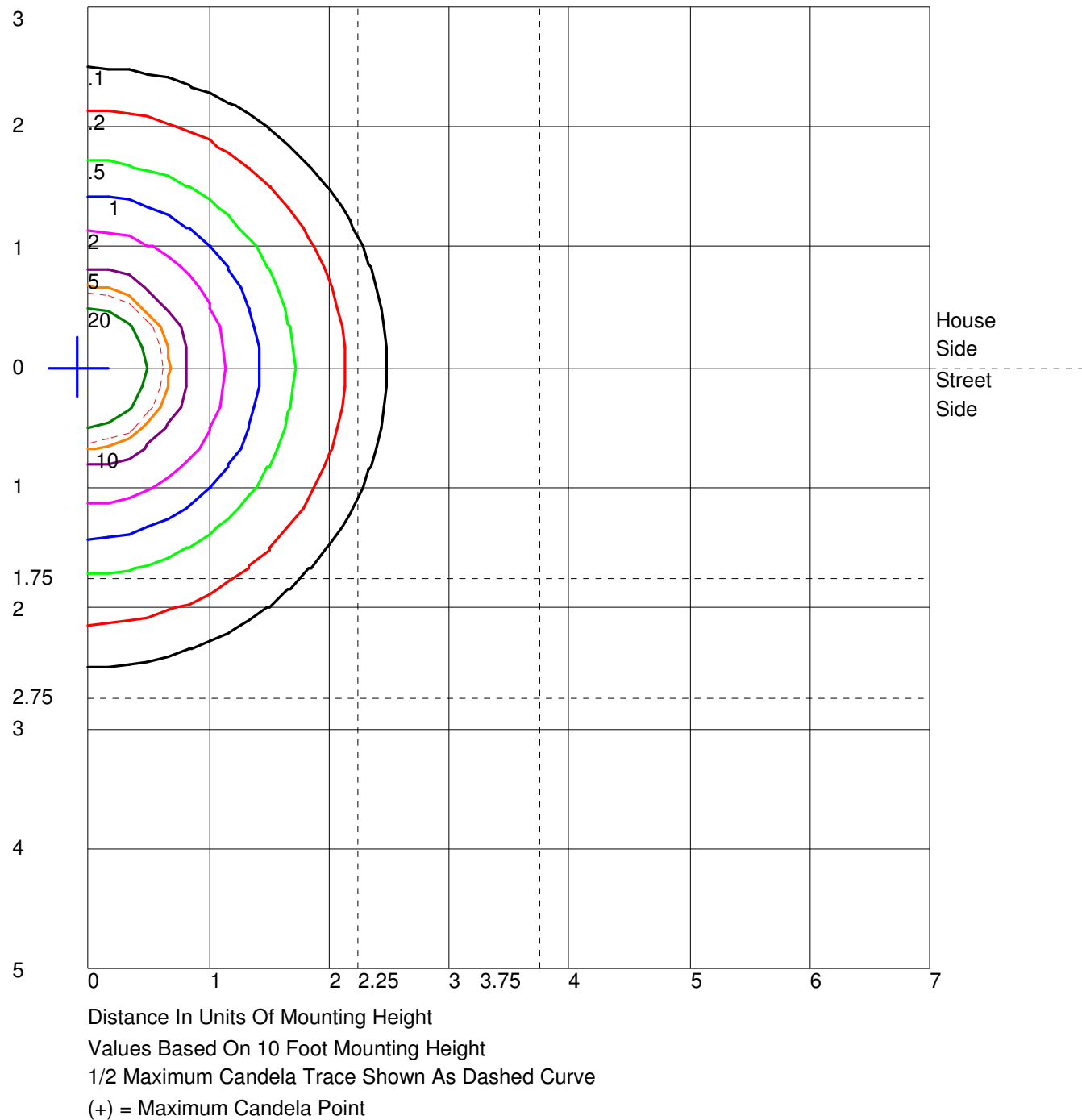
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

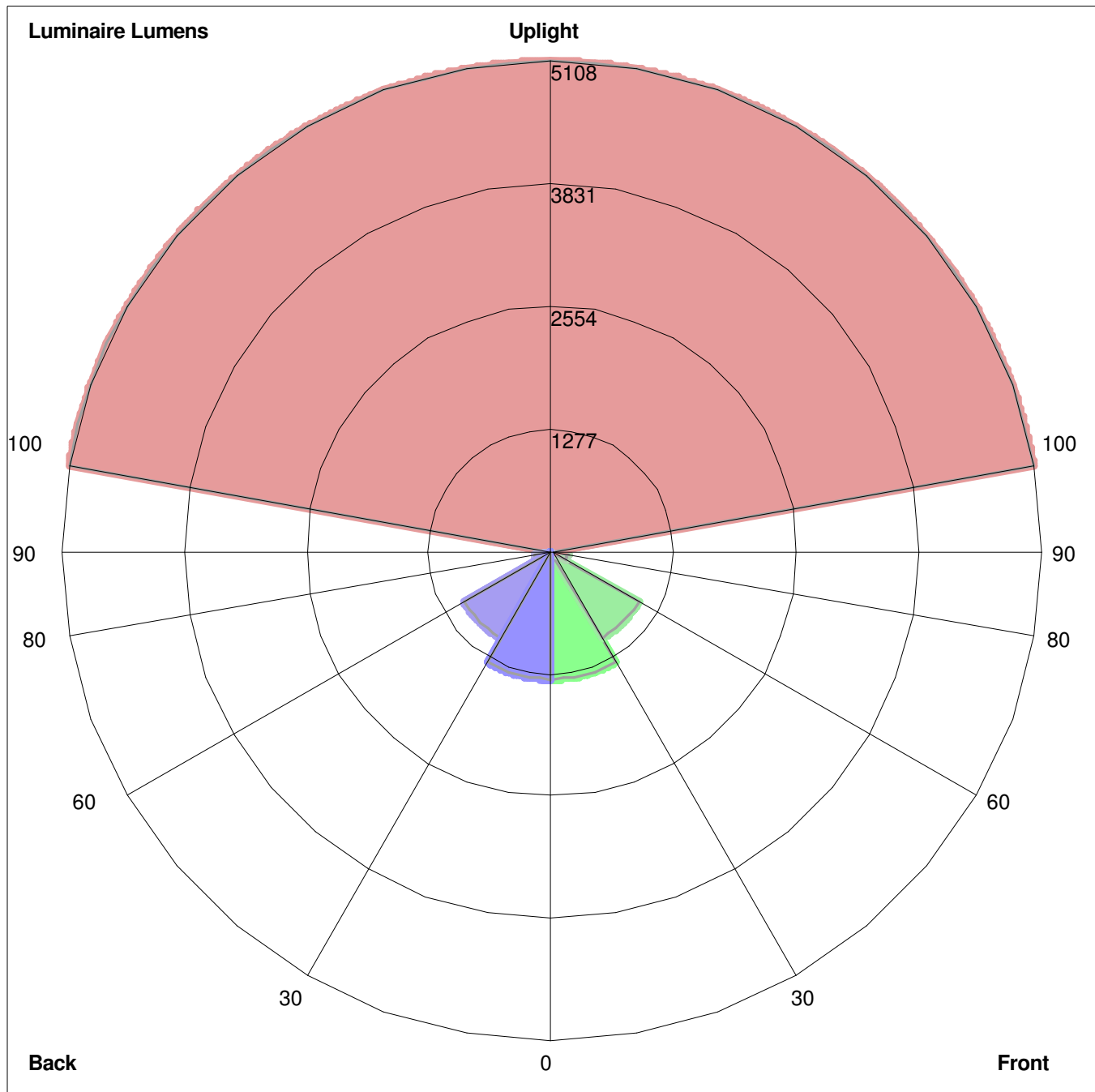
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1334.9, Medium=1046.5, High=172.9, Very High=6.4  
Back: Low=1334.9, Medium=1046.5, High=172.9, Very High=6.4  
Uplight: Low=12.8, High=5108.4

BUG Rating : B3-U5-G1