

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-827U-L50-827D-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-L50-827U-L50-827D-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	10139
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4075.815
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	4075.815
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.792 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	27.517 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L50-827U-L50-827D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1321.4	N.A.	13.0
FM - Front-Medium (30-60)	1035.9	N.A.	10.2
FH - Front-High (60-80)	171.1	N.A.	1.7
FVH - Front-Very High (80-90)	6.3	N.A.	0.1
BL - Back-Low (0-30)	1321.4	N.A.	13.0
BM - Back-Medium (30-60)	1035.9	N.A.	10.2
BH - Back-High (60-80)	171.1	N.A.	1.7
BVH - Back-Very High (80-90)	6.3	N.A.	0.1
UL - Uplight-Low (90-100)	12.6	N.A.	0.1
UH - Uplight-High (100-180)	5056.8	N.A.	49.9
Total	10138.8	N.A.	100.0
BUG Rating	B3-U5-G1		

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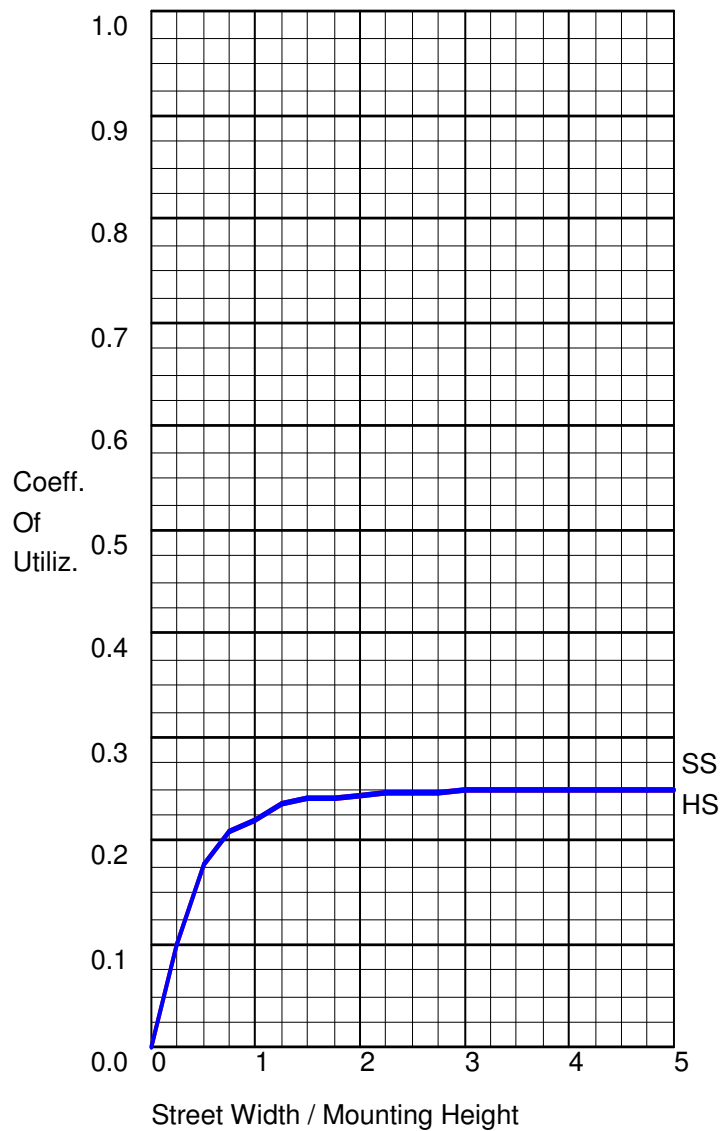
## CANDELA TABULATION

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	4040.392	4040.392	4040.392	4040.392	4040.392	4040.392	4040.392	4040.392	4040.392
5	3961.792	4043.083	4075.815	4043.083	3961.792	4043.083	4075.815	4043.083	3961.792
10	3738.861	3840.083	3866.743	3840.083	3738.861	3840.083	3866.743	3840.083	3738.861
15	3432.888	3469.371	3460.927	3469.371	3432.888	3469.371	3460.927	3469.371	3432.888
20	3108.364	3118.910	3099.920	3118.910	3108.364	3118.910	3099.920	3118.910	3108.364
25	2858.739	2846.914	2826.310	2846.914	2858.739	2846.914	2826.310	2846.914	2858.739
30	2475.378	2426.667	2387.662	2426.667	2475.378	2426.667	2387.662	2426.667	2475.378
35	1554.451	1564.577	1594.466	1564.577	1554.451	1564.577	1594.466	1564.577	1554.451
40	924.611	951.808	976.467	951.808	924.611	951.808	976.467	951.808	924.611
45	768.572	769.514	766.066	769.514	768.572	769.514	766.066	769.514	768.572
50	647.670	646.980	642.422	646.980	647.670	646.980	642.422	646.980	647.670
55	516.844	515.751	511.209	515.751	516.844	515.751	511.209	515.751	516.844
60	377.642	376.145	372.310	376.145	377.642	376.145	372.310	376.145	377.642
65	253.628	252.956	250.937	252.956	253.628	252.956	250.937	252.956	253.628
70	152.019	151.783	151.245	151.783	152.019	151.783	151.245	151.783	152.019
75	75.959	76.009	76.060	76.009	75.959	76.009	76.060	76.009	75.959
80	27.030	27.366	27.517	27.366	27.030	27.366	27.517	27.366	27.030
85	8.326	8.343	8.259	8.343	8.326	8.343	8.259	8.343	8.326
90	2.018	2.590	2.792	2.590	2.018	2.590	2.792	2.590	2.018
95	8.326	8.343	8.259	8.343	8.326	8.343	8.259	8.343	8.326
100	27.030	27.366	27.517	27.366	27.030	27.366	27.517	27.366	27.030
105	75.959	76.009	76.060	76.009	75.959	76.009	76.060	76.009	75.959
110	152.019	151.783	151.245	151.783	152.019	151.783	151.245	151.783	152.019
115	253.628	252.956	250.937	252.956	253.628	252.956	250.937	252.956	253.628
120	377.642	376.145	372.310	376.145	377.642	376.145	372.310	376.145	377.642
125	516.844	515.751	511.209	515.751	516.844	515.751	511.209	515.751	516.844
130	647.670	646.980	642.422	646.980	647.670	646.980	642.422	646.980	647.670
135	768.572	769.514	766.066	769.514	768.572	769.514	766.066	769.514	768.572
140	924.611	951.808	976.467	951.808	924.611	951.808	976.467	951.808	924.611
145	1554.451	1564.577	1594.466	1564.577	1554.451	1564.577	1594.466	1564.577	1554.451
150	2475.378	2426.667	2387.662	2426.667	2475.378	2426.667	2387.662	2426.667	2475.378
155	2858.739	2846.914	2826.310	2846.914	2858.739	2846.914	2826.310	2846.914	2858.739
160	3108.364	3118.910	3099.920	3118.910	3108.364	3118.910	3099.920	3118.910	3108.364
165	3432.888	3469.371	3460.927	3469.371	3432.888	3469.371	3460.927	3469.371	3432.888
170	3738.861	3840.083	3866.743	3840.083	3738.861	3840.083	3866.743	3840.083	3738.861
175	3961.792	4043.083	4075.815	4043.083	3961.792	4043.083	4075.815	4043.083	3961.792
180	4040.157	4040.157	4040.157	4040.157	4040.157	4040.157	4040.157	4040.157	4040.157

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### COEFFICIENTS OF UTILIZATION



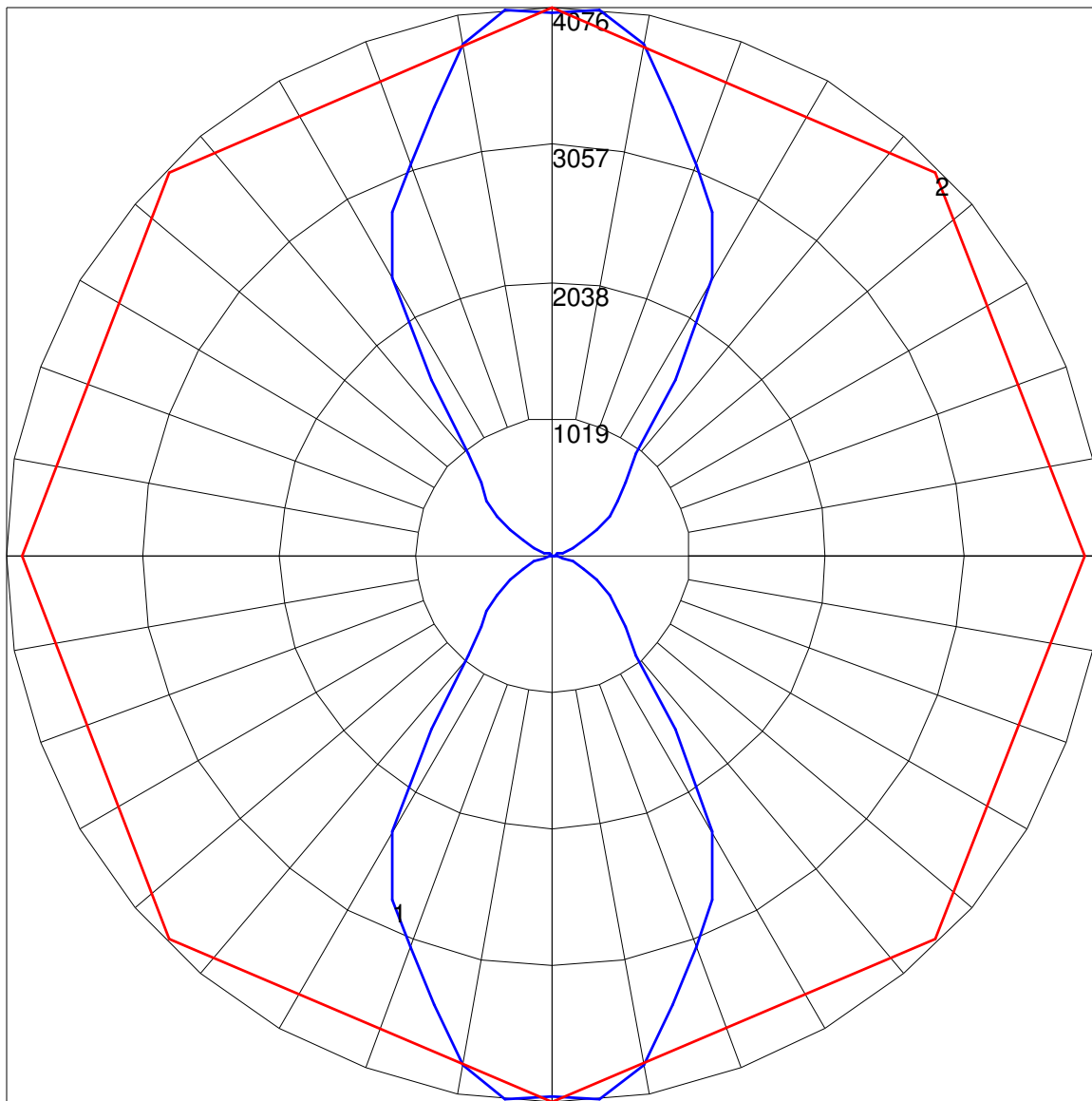
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2534.7	25.0
Downward House Side	2534.7	25.0
Downward Total	5069.4	50.0
Upward Street Side	2534.7	25.0
Upward House Side	2534.7	25.0
Upward Total	5069.4	50.0
Total Flux	10138.8	100.0

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## POLAR GRAPH



Maximum Candela = 4075.815 Located At Horizontal Angle = 270, Vertical Angle = 175

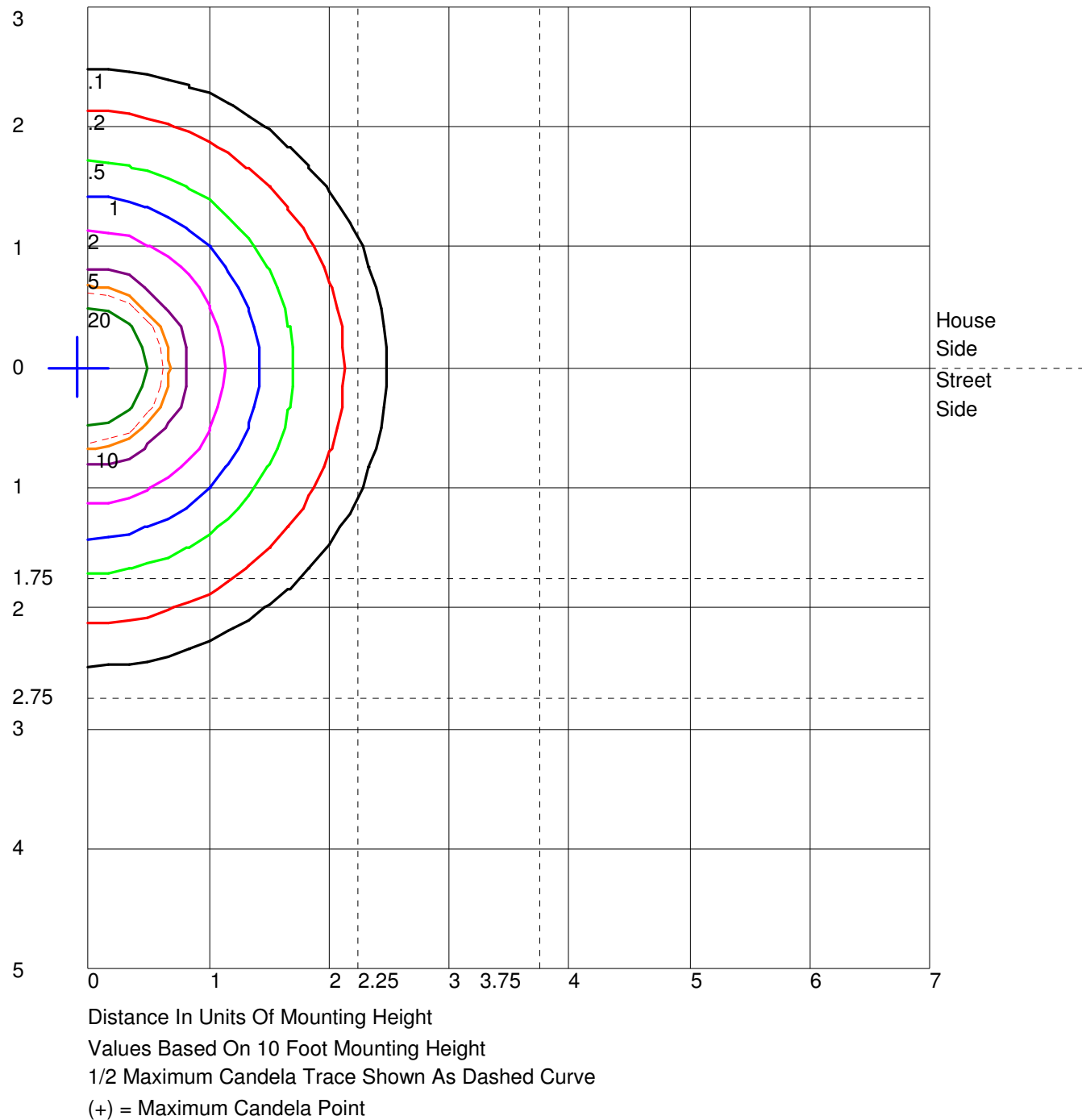
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

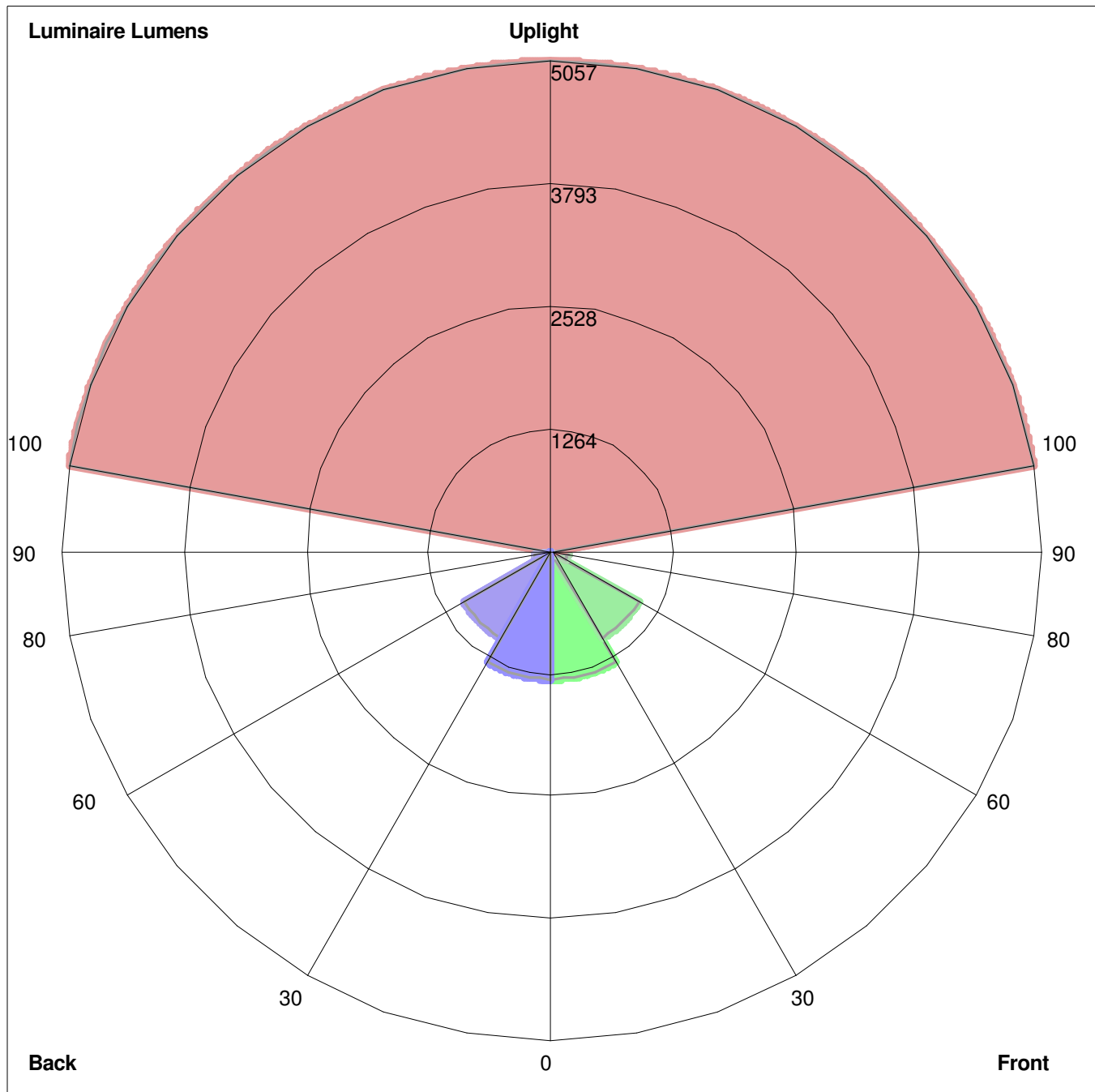
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1321.4, Medium=1035.9, High=171.1, Very High=6.3  
Back: Low=1321.4, Medium=1035.9, High=171.1, Very High=6.3  
Uplight: Low=12.6, High=5056.8

BUG Rating : B3-U5-G1