

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-927U-L50-927D-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-L50-927U-L50-927D-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	9622
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3867.866
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	3867.866
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.65 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	26.114 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-927U-L50-927D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1254.0	N.A.	13.0
FM - Front-Medium (30-60)	983.1	N.A.	10.2
FH - Front-High (60-80)	162.4	N.A.	1.7
FVH - Front-Very High (80-90)	6.0	N.A.	0.1
BL - Back-Low (0-30)	1254.0	N.A.	13.0
BM - Back-Medium (30-60)	983.1	N.A.	10.2
BH - Back-High (60-80)	162.4	N.A.	1.7
BVH - Back-Very High (80-90)	6.0	N.A.	0.1
UL - Uplight-Low (90-100)	12.0	N.A.	0.1
UH - Uplight-High (100-180)	4798.8	N.A.	49.9
Total	9621.8	N.A.	100.0
BUG Rating	B3-U5-G1		

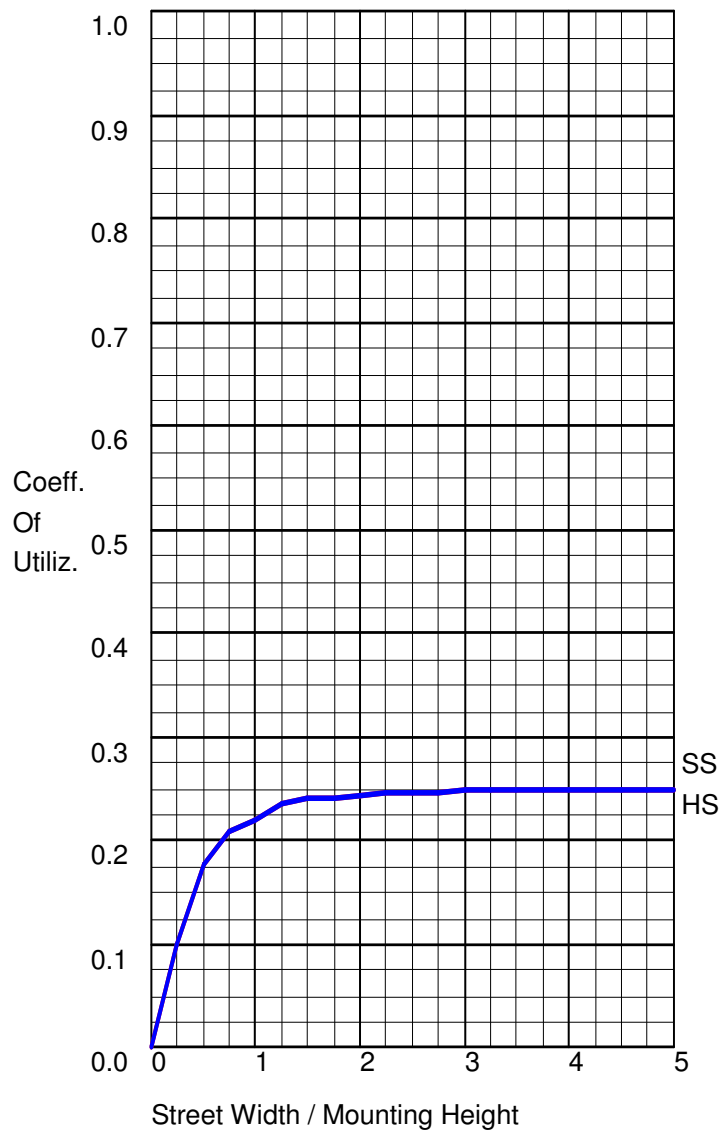
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CANDELA TABULATION

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	3834.250	3834.250	3834.250	3834.250	3834.250	3834.250	3834.250	3834.250	3834.250
5	3759.661	3836.804	3867.866	3836.804	3759.661	3836.804	3867.866	3836.804	3759.661
10	3548.103	3644.161	3669.461	3644.161	3548.103	3644.161	3669.461	3644.161	3548.103
15	3257.742	3292.363	3284.350	3292.363	3257.742	3292.363	3284.350	3292.363	3257.742
20	2949.774	2959.783	2941.762	2959.783	2949.774	2959.783	2941.762	2959.783	2949.774
25	2712.885	2701.664	2682.111	2701.664	2712.885	2701.664	2682.111	2701.664	2712.885
30	2349.084	2302.858	2265.843	2302.858	2349.084	2302.858	2265.843	2302.858	2349.084
35	1475.143	1484.752	1513.116	1484.752	1475.143	1484.752	1513.116	1484.752	1475.143
40	877.437	903.247	926.647	903.247	877.437	903.247	926.647	903.247	877.437
45	729.359	730.253	726.981	730.253	729.359	730.253	726.981	730.253	729.359
50	614.625	613.971	609.645	613.971	614.625	613.971	609.645	613.971	614.625
55	490.475	489.437	485.127	489.437	490.475	489.437	485.127	489.437	490.475
60	358.375	356.954	353.315	356.954	358.375	356.954	353.315	356.954	358.375
65	240.688	240.050	238.134	240.050	240.688	240.050	238.134	240.050	240.688
70	144.263	144.039	143.529	144.039	144.263	144.039	143.529	144.039	144.263
75	72.084	72.131	72.179	72.131	72.084	72.131	72.179	72.131	72.084
80	25.651	25.970	26.114	25.970	25.651	25.970	26.114	25.970	25.651
85	7.901	7.917	7.837	7.917	7.901	7.917	7.837	7.917	7.901
90	1.915	2.458	2.650	2.458	1.915	2.458	2.650	2.458	1.915
95	7.901	7.917	7.837	7.917	7.901	7.917	7.837	7.917	7.901
100	25.651	25.970	26.114	25.970	25.651	25.970	26.114	25.970	25.651
105	72.084	72.131	72.179	72.131	72.084	72.131	72.179	72.131	72.084
110	144.263	144.039	143.529	144.039	144.263	144.039	143.529	144.039	144.263
115	240.688	240.050	238.134	240.050	240.688	240.050	238.134	240.050	240.688
120	358.375	356.954	353.315	356.954	358.375	356.954	353.315	356.954	358.375
125	490.475	489.437	485.127	489.437	490.475	489.437	485.127	489.437	490.475
130	614.625	613.971	609.645	613.971	614.625	613.971	609.645	613.971	614.625
135	729.359	730.253	726.981	730.253	729.359	730.253	726.981	730.253	729.359
140	877.437	903.247	926.647	903.247	877.437	903.247	926.647	903.247	877.437
145	1475.143	1484.752	1513.116	1484.752	1475.143	1484.752	1513.116	1484.752	1475.143
150	2349.084	2302.858	2265.843	2302.858	2349.084	2302.858	2265.843	2302.858	2349.084
155	2712.885	2701.664	2682.111	2701.664	2712.885	2701.664	2682.111	2701.664	2712.885
160	2949.774	2959.783	2941.762	2959.783	2949.774	2959.783	2941.762	2959.783	2949.774
165	3257.742	3292.363	3284.350	3292.363	3257.742	3292.363	3284.350	3292.363	3257.742
170	3548.103	3644.161	3669.461	3644.161	3548.103	3644.161	3669.461	3644.161	3548.103
175	3759.661	3836.804	3867.866	3836.804	3759.661	3836.804	3867.866	3836.804	3759.661
180	3834.027	3834.027	3834.027	3834.027	3834.027	3834.027	3834.027	3834.027	3834.027

COEFFICIENTS OF UTILIZATION



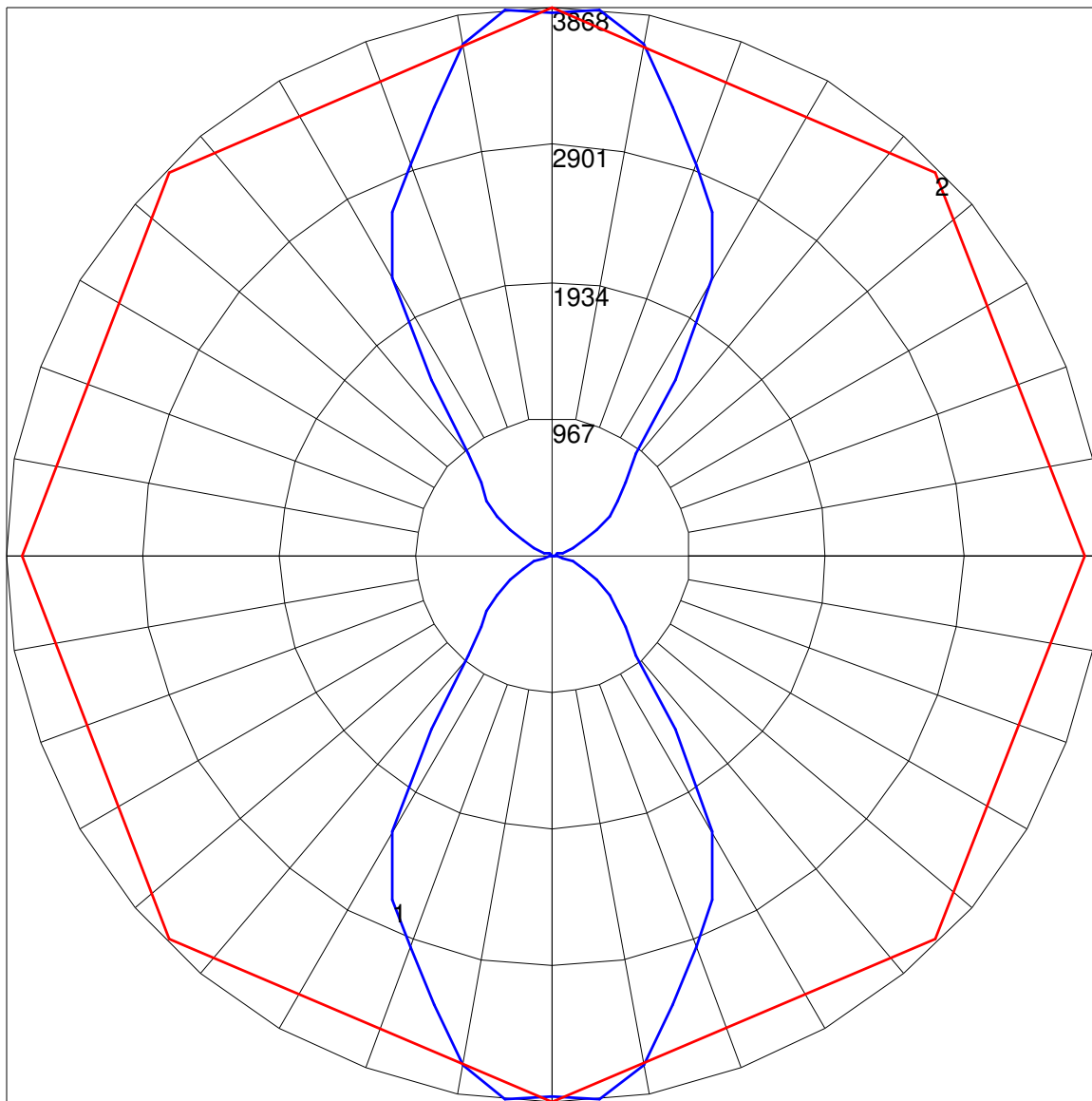
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2405.4	25.0
Downward House Side	2405.4	25.0
Downward Total	4810.8	50.0
Upward Street Side	2405.4	25.0
Upward House Side	2405.4	25.0
Upward Total	4810.8	50.0
Total Flux	9621.6	100.0

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POLAR GRAPH



Maximum Candela = 3867.866 Located At Horizontal Angle = 270, Vertical Angle = 175

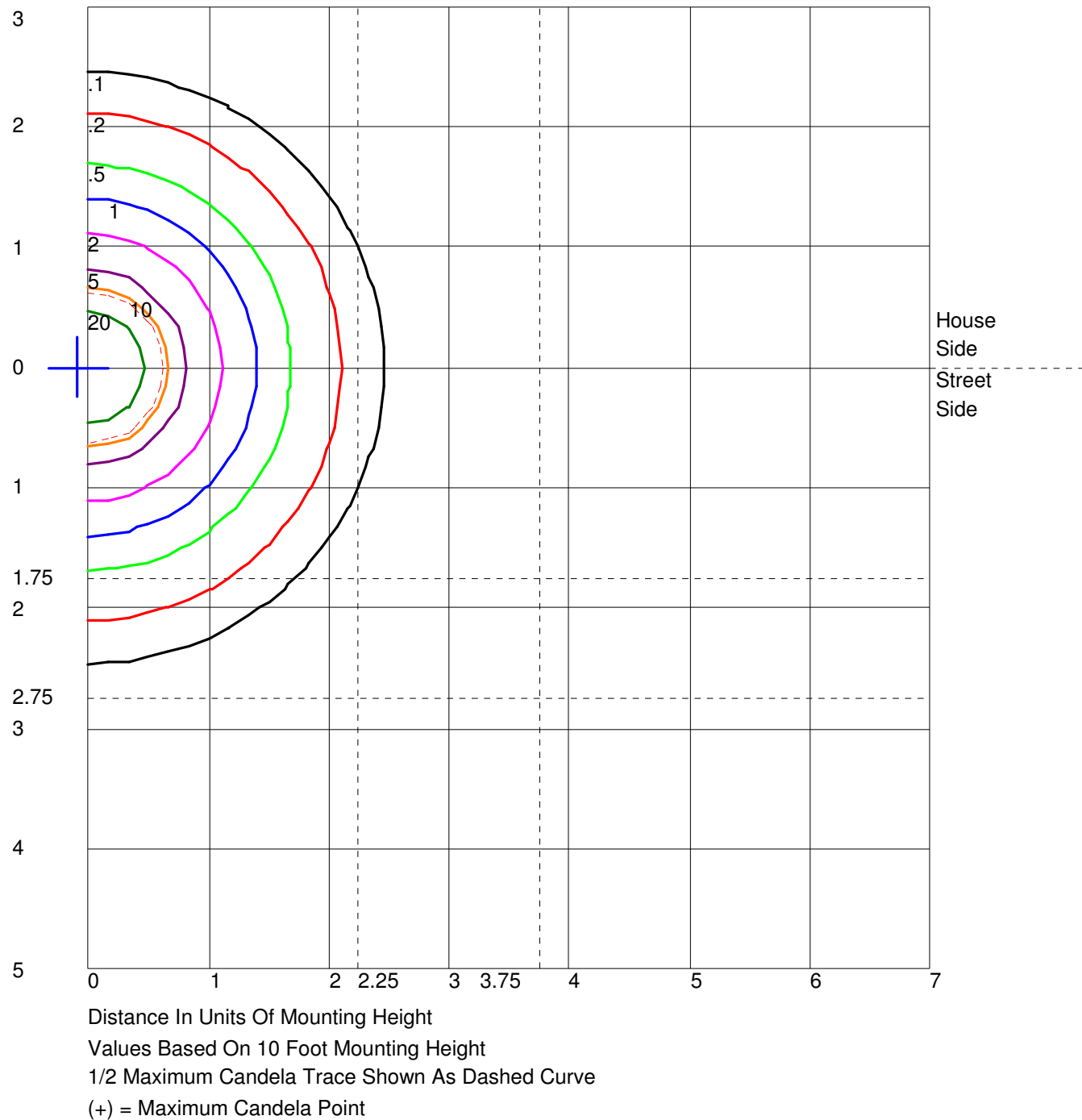
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

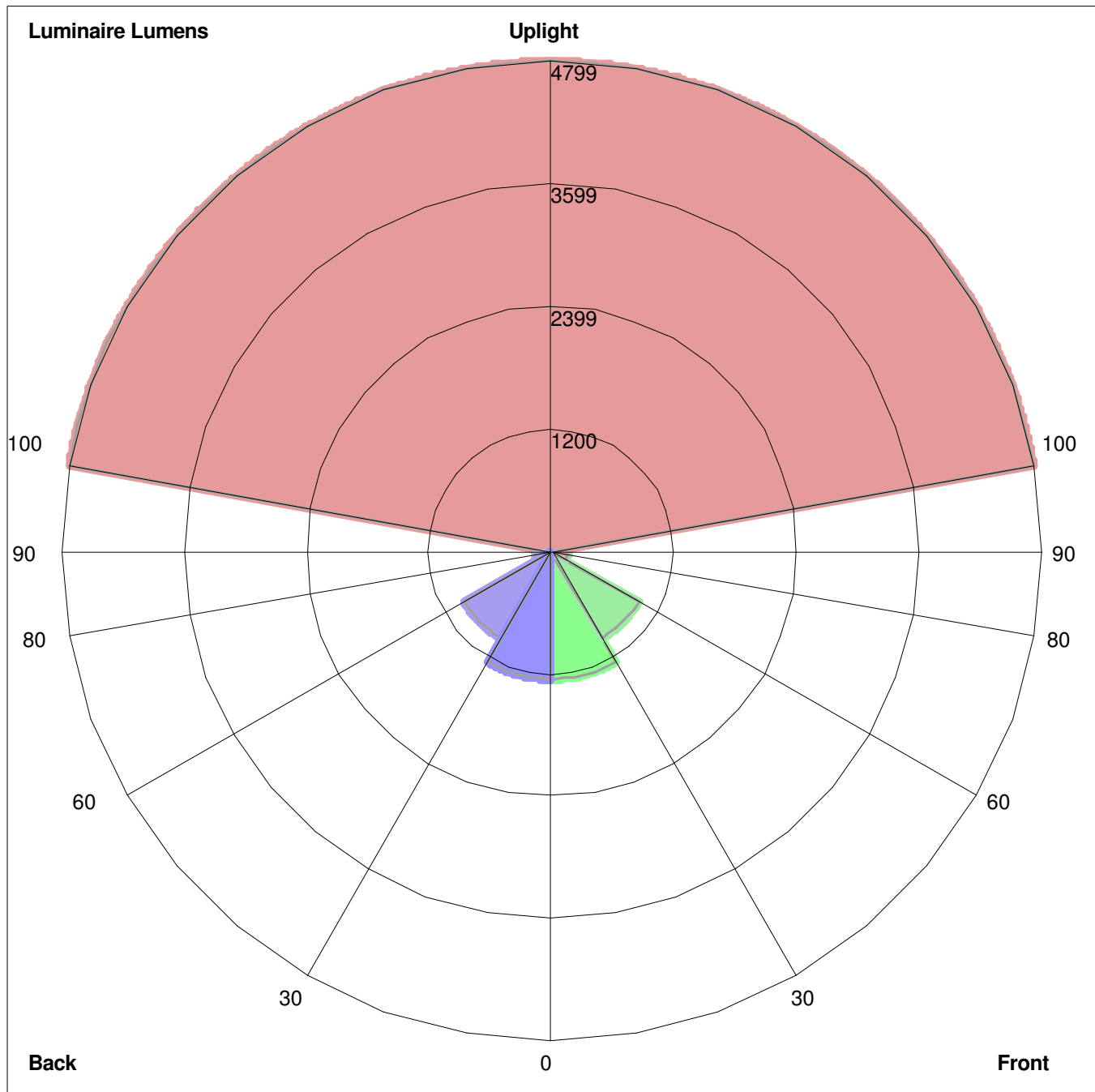
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1254.0, Medium=983.1, High=162.4, Very High=6.0
Back: Low= 1254.0, Medium=983.1, High=162.4, Very High=6.0
Uplight: Low=12.0, High=4798.8

BUG Rating : B3-U5-G1