

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-950U-L50-950D-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-L50-950U-L50-950D-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	9725
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3909.455
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	3909.455
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.678 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	26.394 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-950U-L50-950D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1267.4	N.A.	13.0
FM - Front-Medium (30-60)	993.6	N.A.	10.2
FH - Front-High (60-80)	164.1	N.A.	1.7
FVH - Front-Very High (80-90)	6.1	N.A.	0.1
BL - Back-Low (0-30)	1267.4	N.A.	13.0
BM - Back-Medium (30-60)	993.6	N.A.	10.2
BH - Back-High (60-80)	164.1	N.A.	1.7
BVH - Back-Very High (80-90)	6.1	N.A.	0.1
UL - Uplight-Low (90-100)	12.1	N.A.	0.1
UH - Uplight-High (100-180)	4850.4	N.A.	49.9
Total	9724.9	N.A.	100.0
BUG Rating	B3-U5-G1		

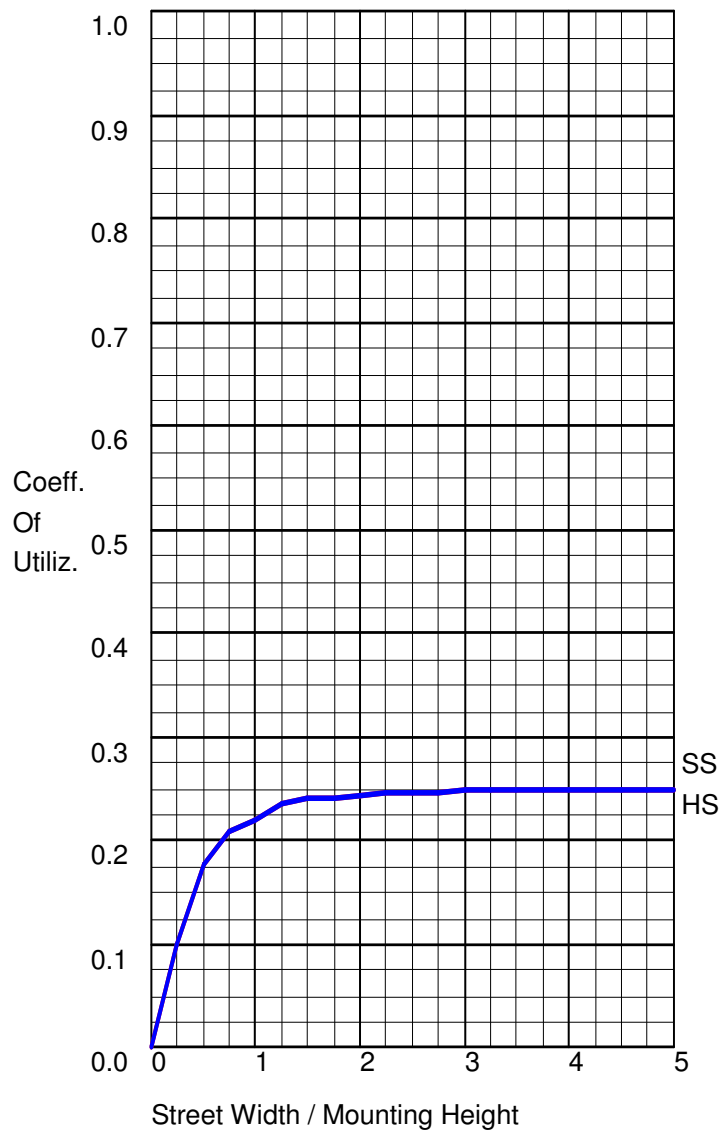
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CANDELA TABULATION

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	3875.478	3875.478	3875.478	3875.478	3875.478	3875.478	3875.478	3875.478	3875.478
5	3800.086	3878.059	3909.455	3878.059	3800.086	3878.059	3909.455	3878.059	3800.086
10	3586.254	3683.345	3708.916	3683.345	3586.254	3683.345	3708.916	3683.345	3586.254
15	3292.770	3327.764	3319.665	3327.764	3292.770	3327.764	3319.665	3327.764	3292.770
20	2981.492	2991.608	2973.393	2991.608	2981.492	2991.608	2973.393	2991.608	2981.492
25	2742.056	2730.714	2710.950	2730.714	2742.056	2730.714	2710.950	2730.714	2742.056
30	2374.342	2327.620	2290.206	2327.620	2374.342	2327.620	2290.206	2327.620	2374.342
35	1491.004	1500.716	1529.386	1500.716	1491.004	1500.716	1529.386	1500.716	1491.004
40	886.871	912.959	936.611	912.959	886.871	912.959	936.611	912.959	886.871
45	737.201	738.105	734.798	738.105	737.201	738.105	734.798	738.105	737.201
50	621.234	620.573	616.201	620.573	621.234	620.573	616.201	620.573	621.234
55	495.748	494.700	490.344	494.700	495.748	494.700	490.344	494.700	495.748
60	362.228	360.792	357.114	360.792	362.228	360.792	357.114	360.792	362.228
65	243.276	242.631	240.695	242.631	243.276	242.631	240.695	242.631	243.276
70	145.814	145.588	145.072	145.588	145.814	145.588	145.072	145.588	145.814
75	72.859	72.907	72.955	72.907	72.859	72.907	72.955	72.907	72.859
80	25.926	26.249	26.394	26.249	25.926	26.249	26.394	26.249	25.926
85	7.986	8.002	7.922	8.002	7.986	8.002	7.922	8.002	7.986
90	1.936	2.485	2.678	2.485	1.936	2.485	2.678	2.485	1.936
95	7.986	8.002	7.922	8.002	7.986	8.002	7.922	8.002	7.986
100	25.926	26.249	26.394	26.249	25.926	26.249	26.394	26.249	25.926
105	72.859	72.907	72.955	72.907	72.859	72.907	72.955	72.907	72.859
110	145.814	145.588	145.072	145.588	145.814	145.588	145.072	145.588	145.814
115	243.276	242.631	240.695	242.631	243.276	242.631	240.695	242.631	243.276
120	362.228	360.792	357.114	360.792	362.228	360.792	357.114	360.792	362.228
125	495.748	494.700	490.344	494.700	495.748	494.700	490.344	494.700	495.748
130	621.234	620.573	616.201	620.573	621.234	620.573	616.201	620.573	621.234
135	737.201	738.105	734.798	738.105	737.201	738.105	734.798	738.105	737.201
140	886.871	912.959	936.611	912.959	886.871	912.959	936.611	912.959	886.871
145	1491.004	1500.716	1529.386	1500.716	1491.004	1500.716	1529.386	1500.716	1491.004
150	2374.342	2327.620	2290.206	2327.620	2374.342	2327.620	2290.206	2327.620	2374.342
155	2742.056	2730.714	2710.950	2730.714	2742.056	2730.714	2710.950	2730.714	2742.056
160	2981.492	2991.608	2973.393	2991.608	2981.492	2991.608	2973.393	2991.608	2981.492
165	3292.770	3327.764	3319.665	3327.764	3292.770	3327.764	3319.665	3327.764	3292.770
170	3586.254	3683.345	3708.916	3683.345	3586.254	3683.345	3708.916	3683.345	3586.254
175	3800.086	3878.059	3909.455	3878.059	3800.086	3878.059	3909.455	3878.059	3800.086
180	3875.252	3875.252	3875.252	3875.252	3875.252	3875.252	3875.252	3875.252	3875.252

COEFFICIENTS OF UTILIZATION



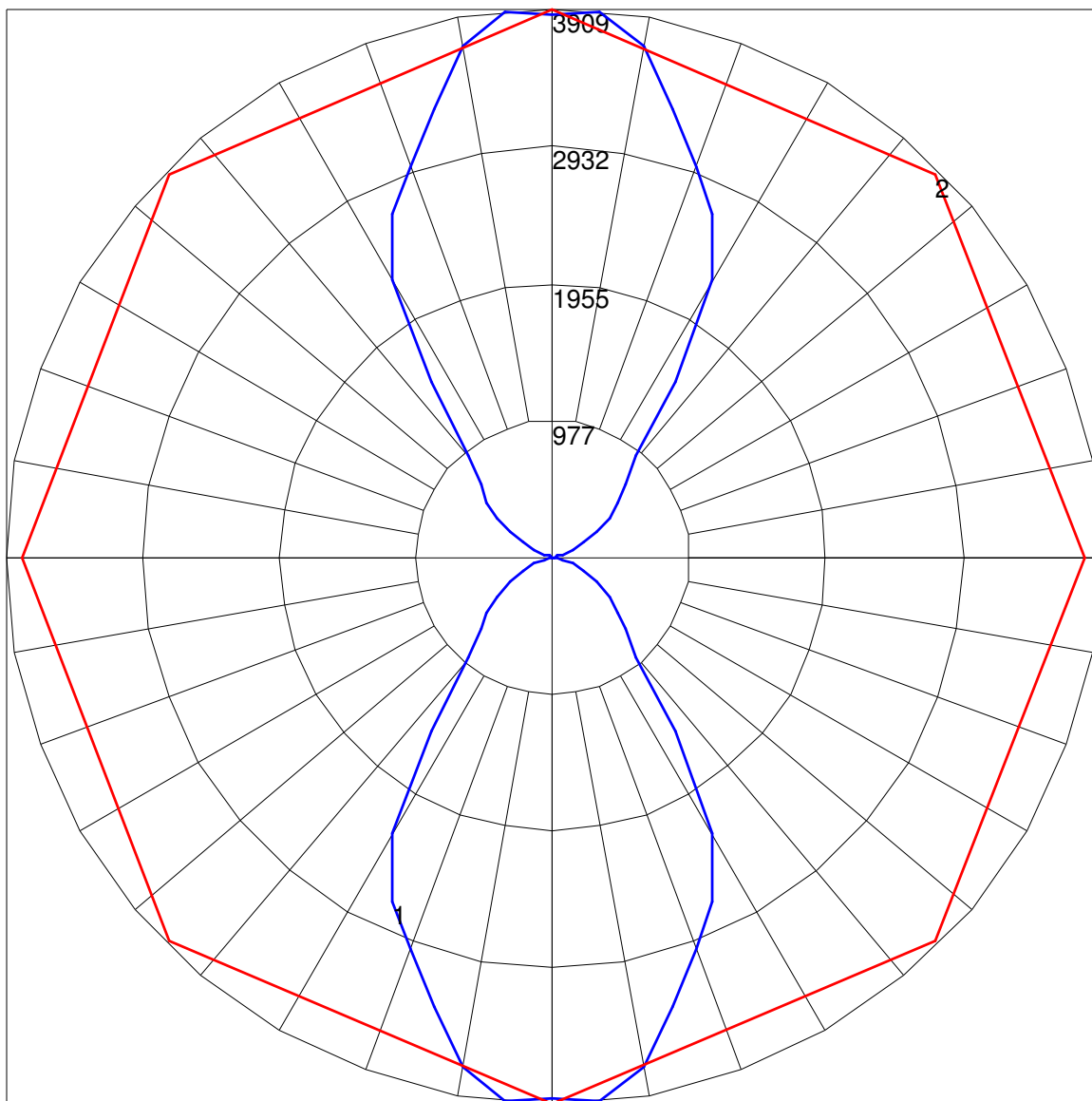
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2431.3	25.0
Downward House Side	2431.3	25.0
Downward Total	4862.6	50.0
Upward Street Side	2431.3	25.0
Upward House Side	2431.3	25.0
Upward Total	4862.6	50.0
Total Flux	9725.2	100.0

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POLAR GRAPH



Maximum Candela = 3909.455 Located At Horizontal Angle = 270, Vertical Angle = 175

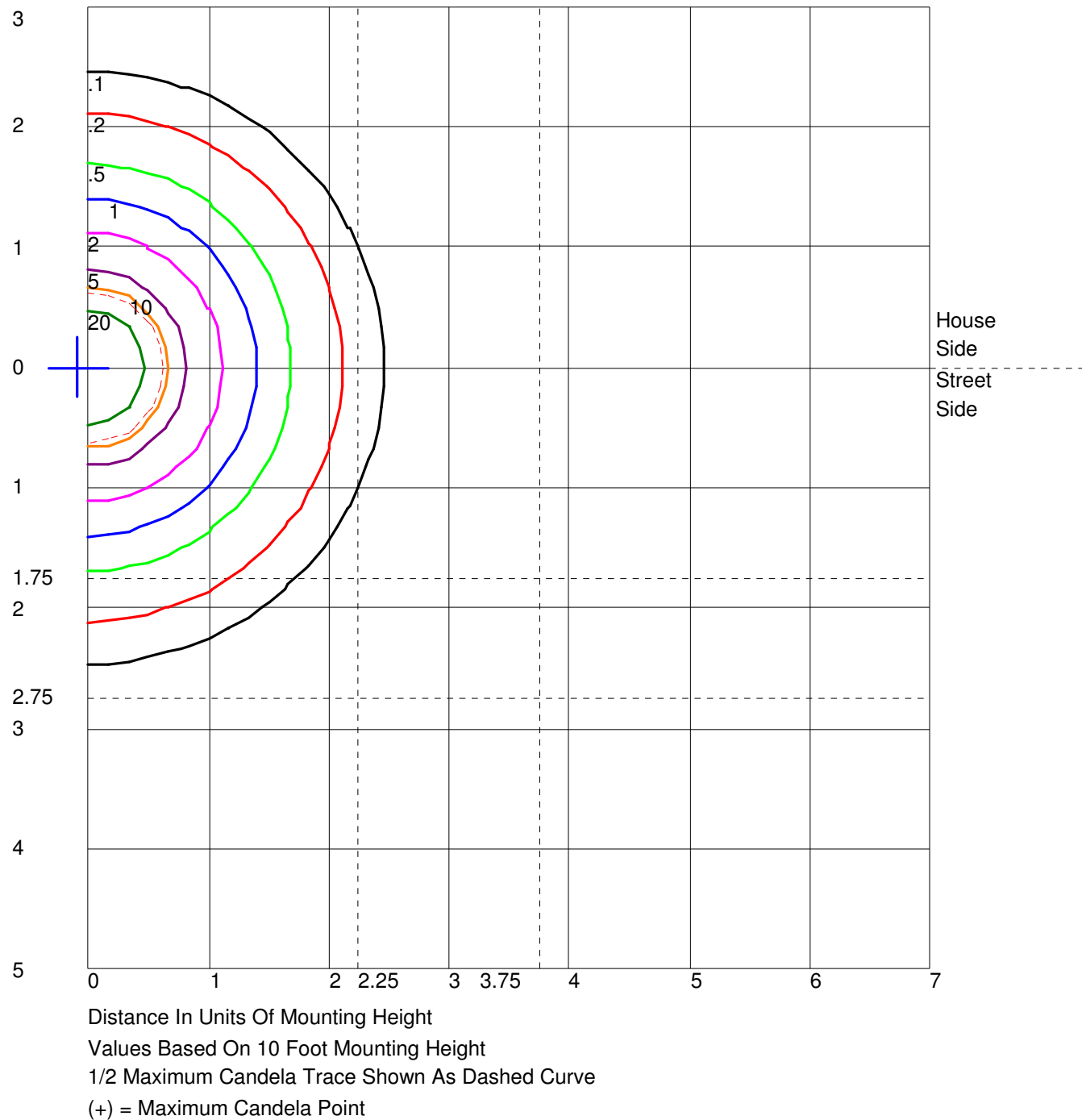
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

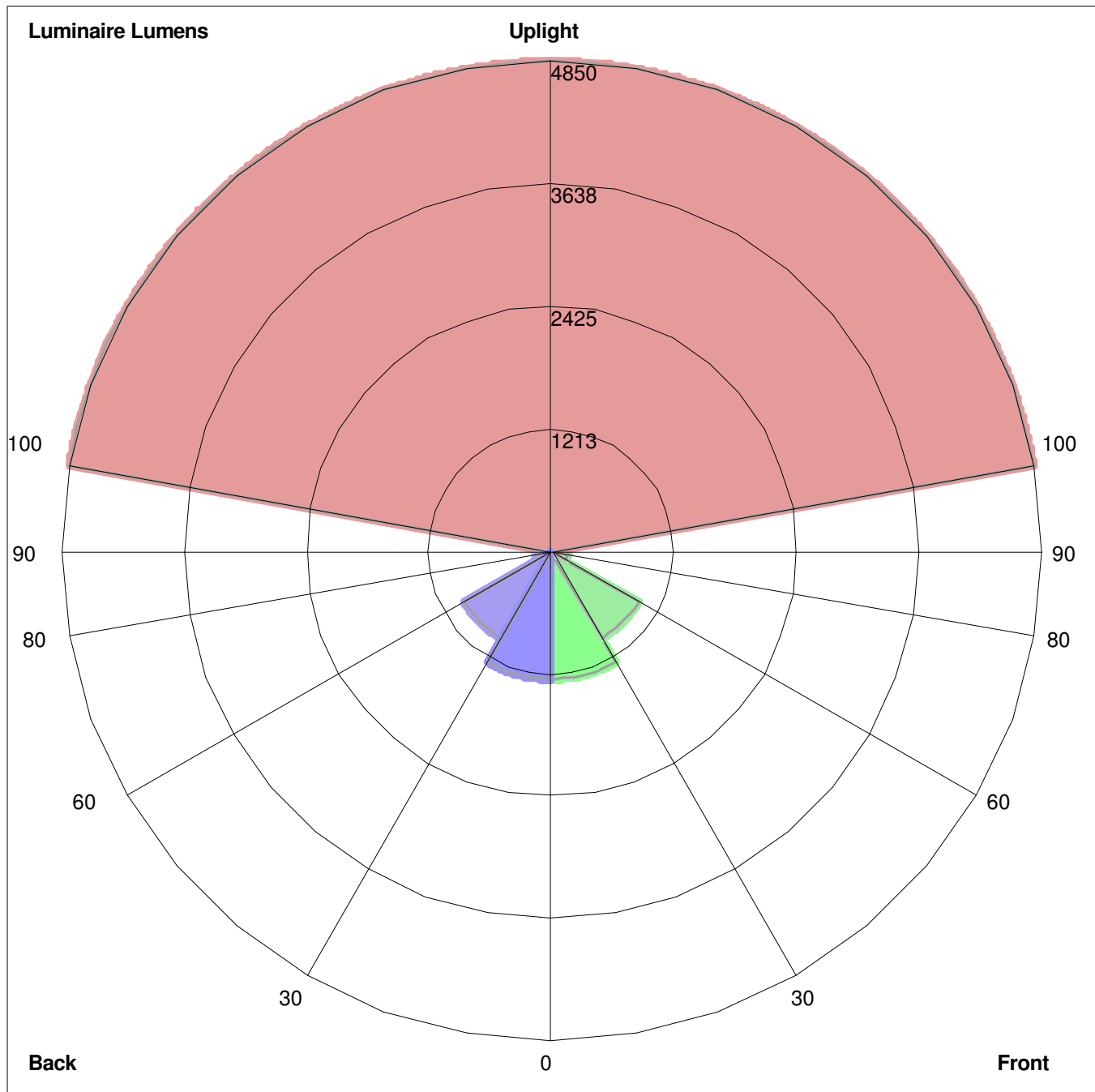
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1267.4, Medium=993.6, High=164.1, Very High=6.1
Back: Low=1267.4, Medium=993.6, High=164.1, Very High=6.1
Uplight: Low=12.1, High=4850.4

BUG Rating : B3-U5-G1