

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-940U-L50-940D-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-L50-940U-L50-940D-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	10036
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4034.226
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	4034.226
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.764 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	27.237 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-940U-L50-940D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1307.9	N.A.	13.0
FM - Front-Medium (30-60)	1025.3	N.A.	10.2
FH - Front-High (60-80)	169.4	N.A.	1.7
FVH - Front-Very High (80-90)	6.3	N.A.	0.1
BL - Back-Low (0-30)	1307.9	N.A.	13.0
BM - Back-Medium (30-60)	1025.3	N.A.	10.2
BH - Back-High (60-80)	169.4	N.A.	1.7
BVH - Back-Very High (80-90)	6.3	N.A.	0.1
UL - Uplight-Low (90-100)	12.5	N.A.	0.1
UH - Uplight-High (100-180)	5005.2	N.A.	49.9
Total	10035.5	N.A.	100.0
BUG Rating	B3-U5-G1		

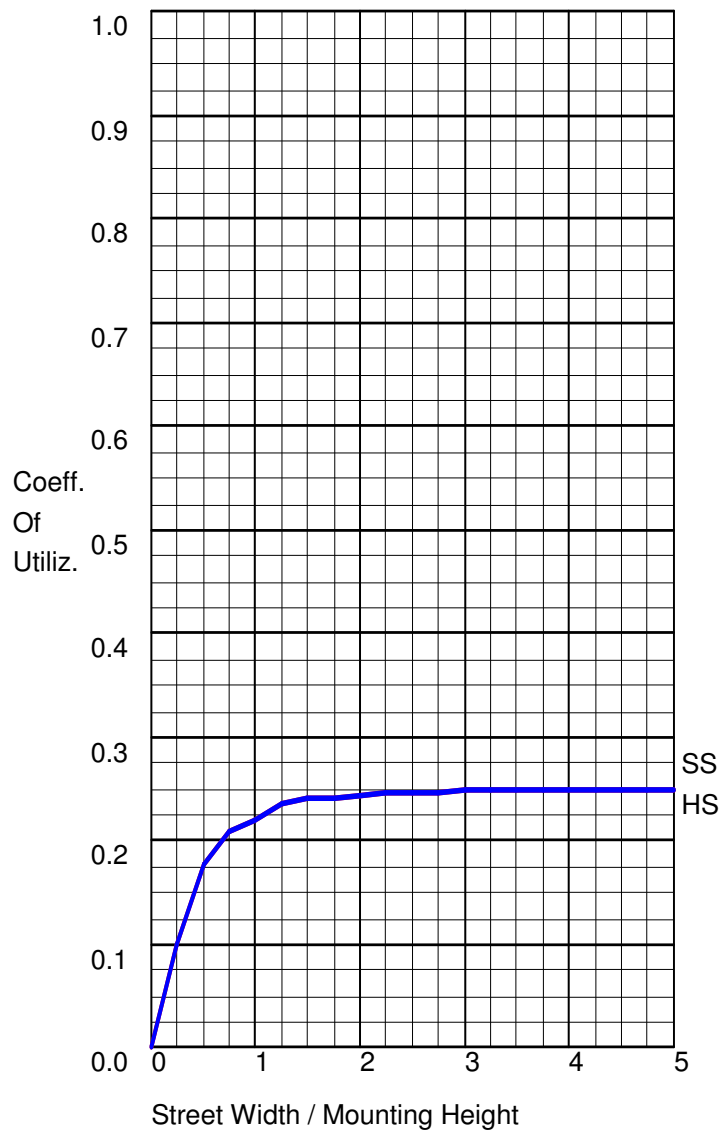
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CANDELA TABULATION

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	3999.164	3999.164	3999.164	3999.164	3999.164	3999.164	3999.164	3999.164	3999.164
5	3921.367	4001.828	4034.226	4001.828	3921.367	4001.828	4034.226	4001.828	3921.367
10	3700.710	3800.899	3827.287	3800.899	3700.710	3800.899	3827.287	3800.899	3700.710
15	3397.860	3433.970	3425.612	3433.970	3397.860	3433.970	3425.612	3433.970	3397.860
20	3076.647	3087.085	3068.289	3087.085	3076.647	3087.085	3068.289	3087.085	3076.647
25	2829.569	2817.865	2797.471	2817.865	2829.569	2817.865	2797.471	2817.865	2829.569
30	2450.120	2401.906	2363.298	2401.906	2450.120	2401.906	2363.298	2401.906	2450.120
35	1538.590	1548.612	1578.196	1548.612	1538.590	1548.612	1578.196	1548.612	1538.590
40	915.176	942.096	966.503	942.096	915.176	942.096	966.503	942.096	915.176
45	760.729	761.662	758.249	761.662	760.729	761.662	758.249	761.662	760.729
50	641.061	640.378	635.867	640.378	641.061	640.378	635.867	640.378	641.061
55	511.570	510.488	505.993	510.488	511.570	510.488	505.993	510.488	511.570
60	373.789	372.307	368.511	372.307	373.789	372.307	368.511	372.307	373.789
65	251.040	250.374	248.377	250.374	251.040	250.374	248.377	250.374	251.040
70	150.468	150.235	149.702	150.235	150.468	150.235	149.702	150.235	150.468
75	75.184	75.234	75.284	75.234	75.184	75.234	75.284	75.234	75.184
80	26.754	27.087	27.237	27.087	26.754	27.087	27.237	27.087	26.754
85	8.241	8.258	8.174	8.258	8.241	8.258	8.174	8.258	8.241
90	1.998	2.564	2.764	2.564	1.998	2.564	2.764	2.564	1.998
95	8.241	8.258	8.174	8.258	8.241	8.258	8.174	8.258	8.241
100	26.754	27.087	27.237	27.087	26.754	27.087	27.237	27.087	26.754
105	75.184	75.234	75.284	75.234	75.184	75.234	75.284	75.234	75.184
110	150.468	150.235	149.702	150.235	150.468	150.235	149.702	150.235	150.468
115	251.040	250.374	248.377	250.374	251.040	250.374	248.377	250.374	251.040
120	373.789	372.307	368.511	372.307	373.789	372.307	368.511	372.307	373.789
125	511.570	510.488	505.993	510.488	511.570	510.488	505.993	510.488	511.570
130	641.061	640.378	635.867	640.378	641.061	640.378	635.867	640.378	641.061
135	760.729	761.662	758.249	761.662	760.729	761.662	758.249	761.662	760.729
140	915.176	942.096	966.503	942.096	915.176	942.096	966.503	942.096	915.176
145	1538.590	1548.612	1578.196	1548.612	1538.590	1548.612	1578.196	1548.612	1538.590
150	2450.120	2401.906	2363.298	2401.906	2450.120	2401.906	2363.298	2401.906	2450.120
155	2829.569	2817.865	2797.471	2817.865	2829.569	2817.865	2797.471	2817.865	2829.569
160	3076.647	3087.085	3068.289	3087.085	3076.647	3087.085	3068.289	3087.085	3076.647
165	3397.860	3433.970	3425.612	3433.970	3397.860	3433.970	3425.612	3433.970	3397.860
170	3700.710	3800.899	3827.287	3800.899	3700.710	3800.899	3827.287	3800.899	3700.710
175	3921.367	4001.828	4034.226	4001.828	3921.367	4001.828	4034.226	4001.828	3921.367
180	3998.931	3998.931	3998.931	3998.931	3998.931	3998.931	3998.931	3998.931	3998.931

COEFFICIENTS OF UTILIZATION



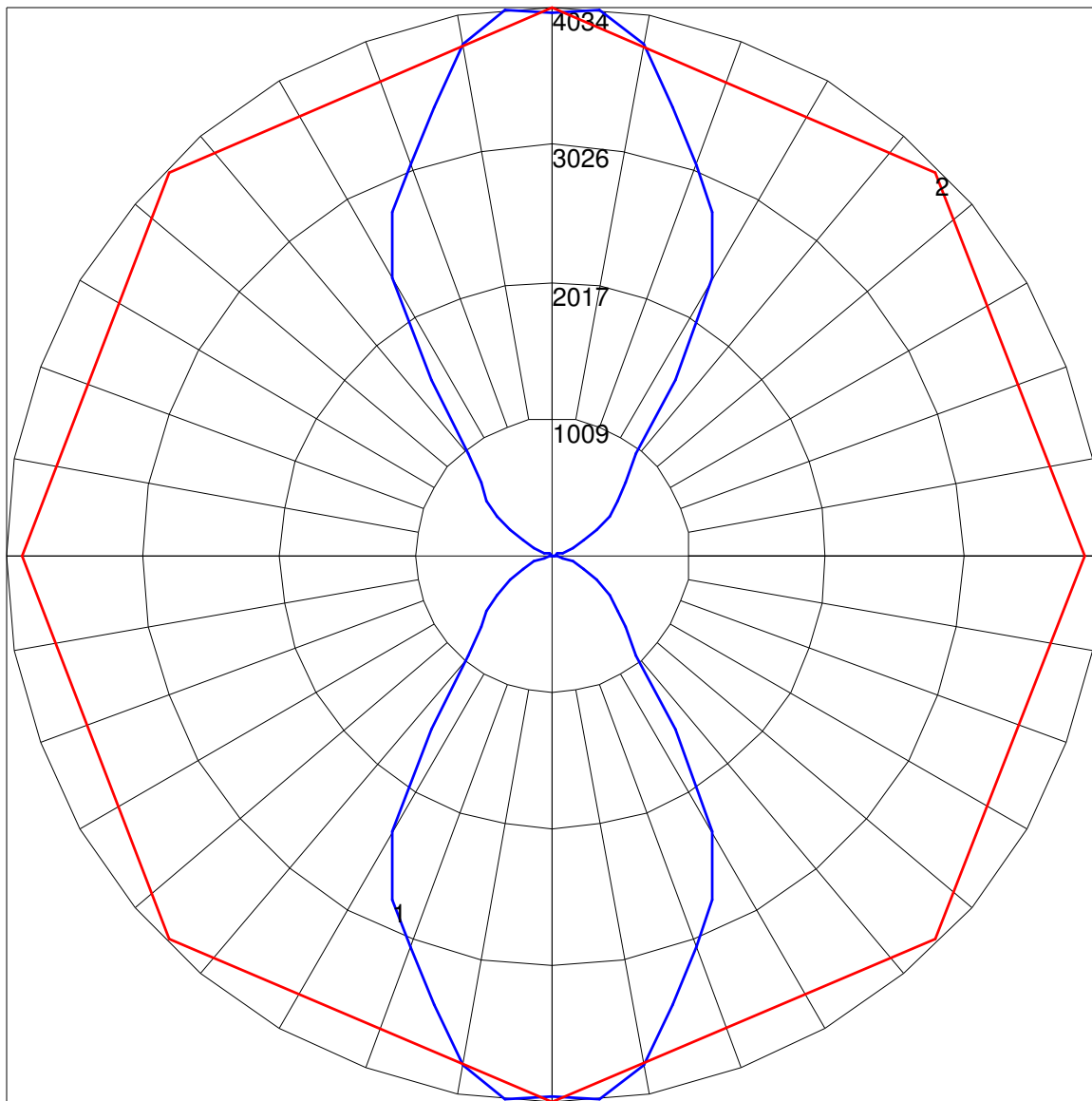
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2508.9	25.0
Downward House Side	2508.9	25.0
Downward Total	5017.8	50.0
Upward Street Side	2508.9	25.0
Upward House Side	2508.9	25.0
Upward Total	5017.8	50.0
Total Flux	10035.6	100.0

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POLAR GRAPH



Maximum Candela = 4034.226 Located At Horizontal Angle = 270, Vertical Angle = 175

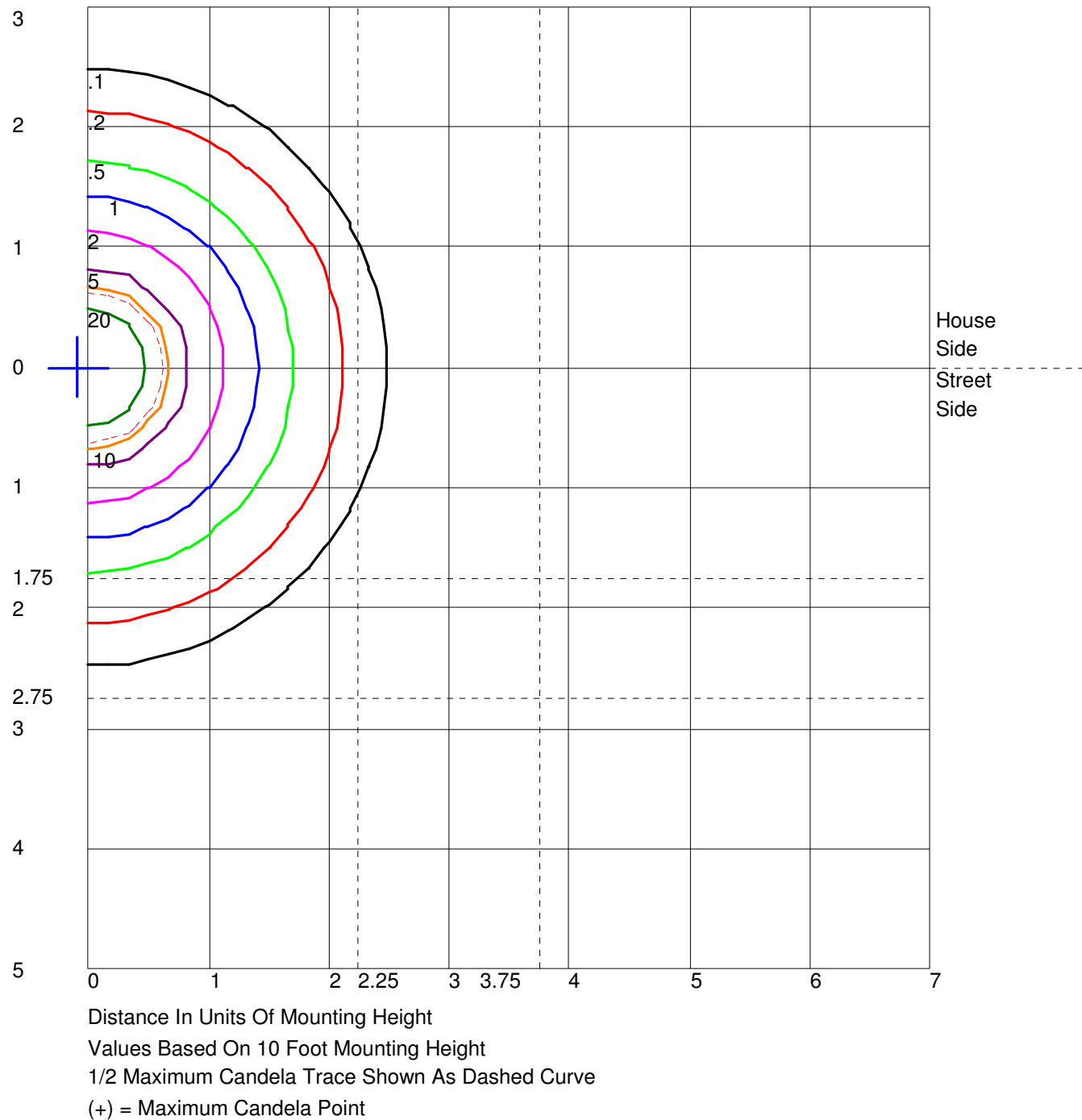
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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

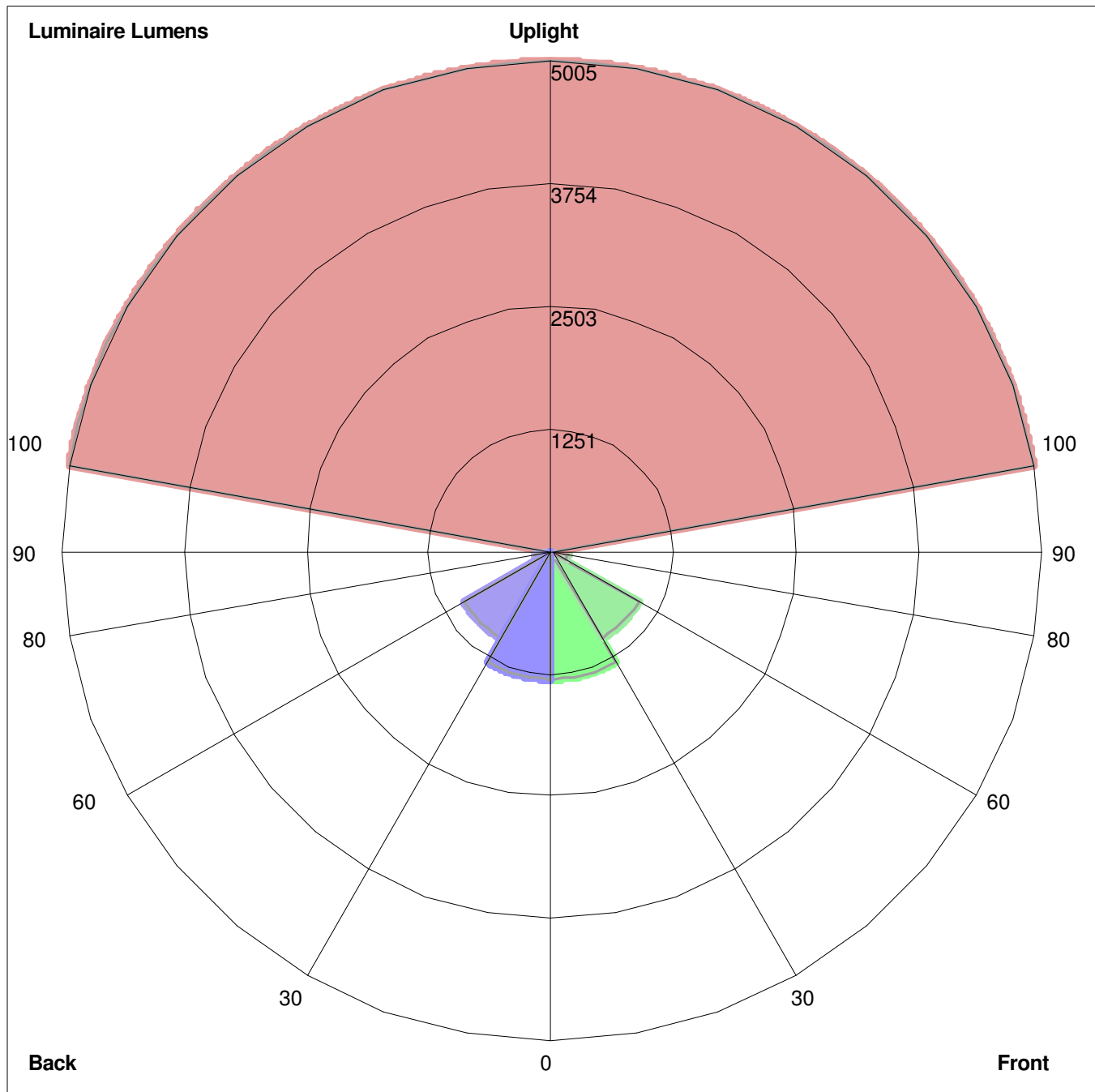
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1307.9, Medium=1025.3, High=169.4, Very High=6.3
Back: Low=1307.9, Medium=1025.3, High=169.4, Very High=6.3
Uplight: Low=12.5, High=5005.2

BUG Rating : B3-U5-G1