

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-840U-L10-840D-XXX-DIM-UNV-S-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-G2-S_(V13)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC.
[MORE] CARTHAGE, MO. 64836
[LUMCAT] W4CRDI-xx-L10-840U-L10-840D-xxx-DIM-UNV-S-xx
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT LED
[MORE] CYLINDER W/SPOT DISTRIBUTION
[LAMPCAT] BL VERO COB
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2345
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	5094.575
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	5094.575
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.105 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.28 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-840U-L10-840D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	530.6	N.A.	22.6
FM - Front-Medium (30-60)	54.0	N.A.	2.3
FH - Front-High (60-80)	1.5	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	530.6	N.A.	22.6
BM - Back-Medium (30-60)	54.0	N.A.	2.3
BH - Back-High (60-80)	1.5	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	1172.3	N.A.	50.0
Total	2344.9	N.A.	100.0
BUG Rating	B2-U5-G0		

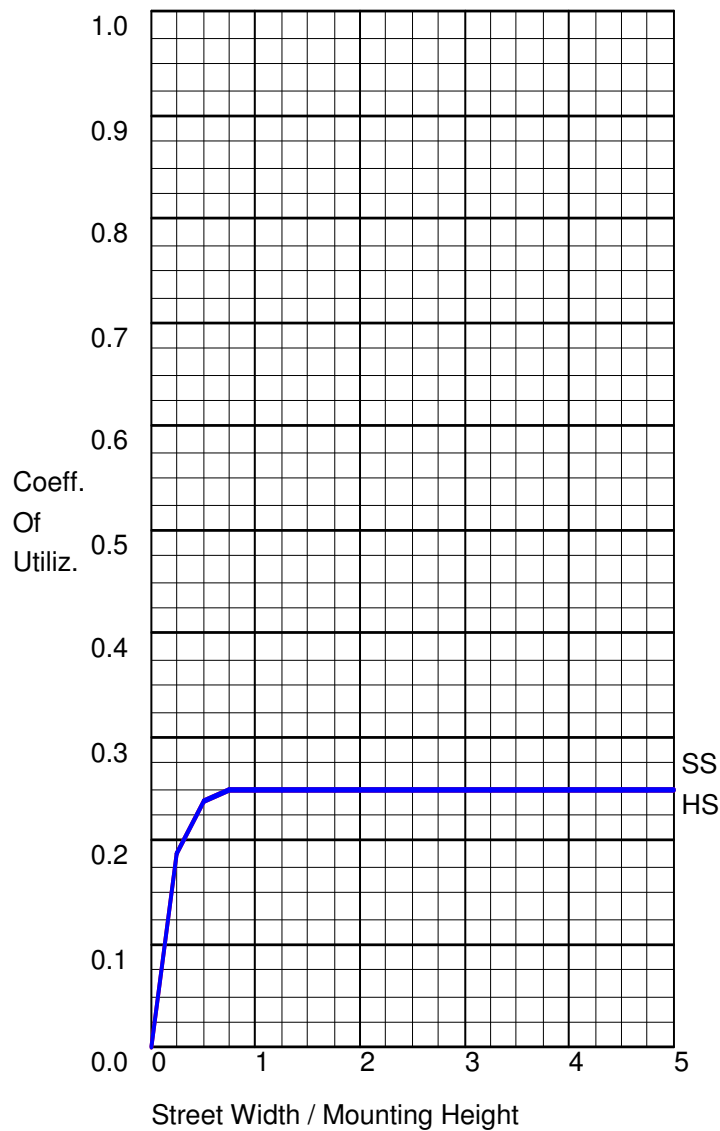
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CANDELA TABULATION

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	5094.575	5094.575	5094.575	5094.575	5094.575	5094.575	5094.575	5094.575	5094.575
5	4522.800	4517.360	4534.435	4517.360	4522.800	4517.360	4534.435	4517.360	4522.800
10	2810.009	2857.317	2854.257	2857.317	2810.009	2857.317	2854.257	2857.317	2810.009
15	1407.685	1459.865	1451.511	1459.865	1407.685	1459.865	1451.511	1459.865	1407.685
20	776.108	798.731	797.379	798.731	776.108	798.731	797.379	798.731	776.108
25	516.430	521.874	515.661	521.874	516.430	521.874	515.661	521.874	516.430
30	322.020	320.731	321.396	320.731	322.020	320.731	321.396	320.731	322.020
35	123.538	126.553	137.100	126.553	123.538	126.553	137.100	126.553	123.538
40	27.812	30.902	34.220	30.902	27.812	30.902	34.220	30.902	27.812
45	9.494	10.715	11.571	10.715	9.494	10.715	11.571	10.715	9.494
50	5.791	6.352	6.434	6.352	5.791	6.352	6.434	6.352	5.791
55	4.173	4.457	4.222	4.457	4.173	4.457	4.222	4.457	4.173
60	3.161	3.258	3.011	3.258	3.161	3.258	3.011	3.258	3.161
65	2.238	2.294	2.081	2.294	2.238	2.294	2.081	2.294	2.238
70	1.450	1.502	1.289	1.502	1.450	1.502	1.289	1.502	1.450
75	0.781	0.796	0.624	0.796	0.781	0.796	0.624	0.796	0.781
80	0.280	0.276	0.265	0.276	0.280	0.276	0.265	0.276	0.280
85	0.202	0.205	0.191	0.205	0.202	0.205	0.191	0.205	0.202
90	0.105	0.097	0.090	0.097	0.105	0.097	0.090	0.097	0.105
95	0.202	0.205	0.191	0.205	0.202	0.205	0.191	0.205	0.202
100	0.280	0.276	0.265	0.276	0.280	0.276	0.265	0.276	0.280
105	0.781	0.796	0.624	0.796	0.781	0.796	0.624	0.796	0.781
110	1.450	1.502	1.289	1.502	1.450	1.502	1.289	1.502	1.450
115	2.238	2.294	2.081	2.294	2.238	2.294	2.081	2.294	2.238
120	3.161	3.258	3.011	3.258	3.161	3.258	3.011	3.258	3.161
125	4.173	4.457	4.222	4.457	4.173	4.457	4.222	4.457	4.173
130	5.791	6.352	6.434	6.352	5.791	6.352	6.434	6.352	5.791
135	9.494	10.715	11.571	10.715	9.494	10.715	11.571	10.715	9.494
140	27.812	30.902	34.220	30.902	27.812	30.902	34.220	30.902	27.812
145	123.538	126.553	137.100	126.553	123.538	126.553	137.100	126.553	123.538
150	322.020	320.731	321.396	320.731	322.020	320.731	321.396	320.731	322.020
155	516.430	521.874	515.661	521.874	516.430	521.874	515.661	521.874	516.430
160	776.108	798.731	797.379	798.731	776.108	798.731	797.379	798.731	776.108
165	1407.685	1459.865	1451.511	1459.865	1407.685	1459.865	1451.511	1459.865	1407.685
170	2810.009	2857.317	2854.257	2857.317	2810.009	2857.317	2854.257	2857.317	2810.009
175	4522.800	4517.360	4534.435	4517.360	4522.800	4517.360	4534.435	4517.360	4522.800
180	5094.325	5094.325	5094.325	5094.325	5094.325	5094.325	5094.325	5094.325	5094.325

COEFFICIENTS OF UTILIZATION



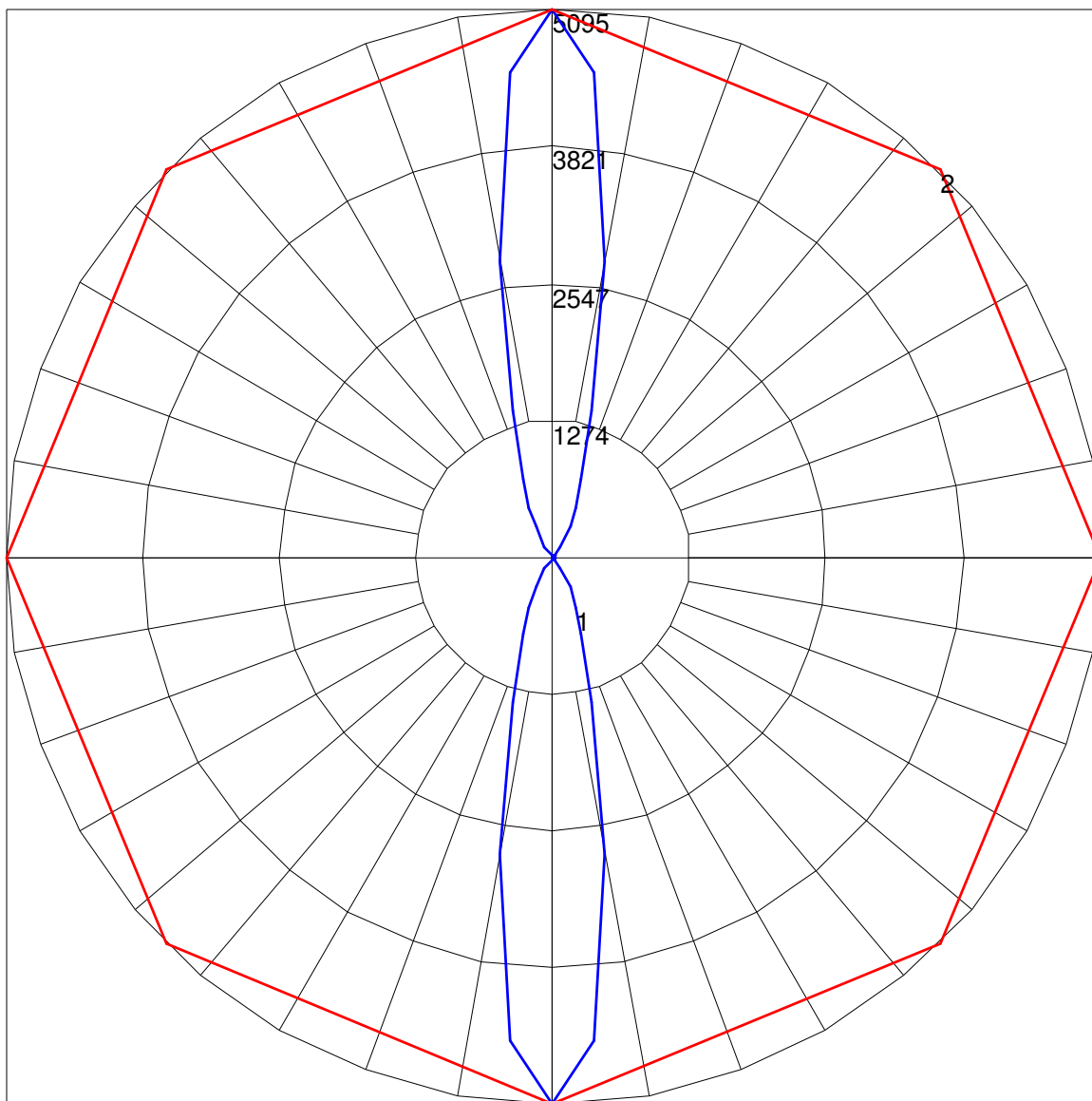
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	586.3	25.0
Downward House Side	586.3	25.0
Downward Total	1172.6	50.0
Upward Street Side	586.3	25.0
Upward House Side	586.3	25.0
Upward Total	1172.6	50.0
Total Flux	2345.2	100.0

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POLAR GRAPH

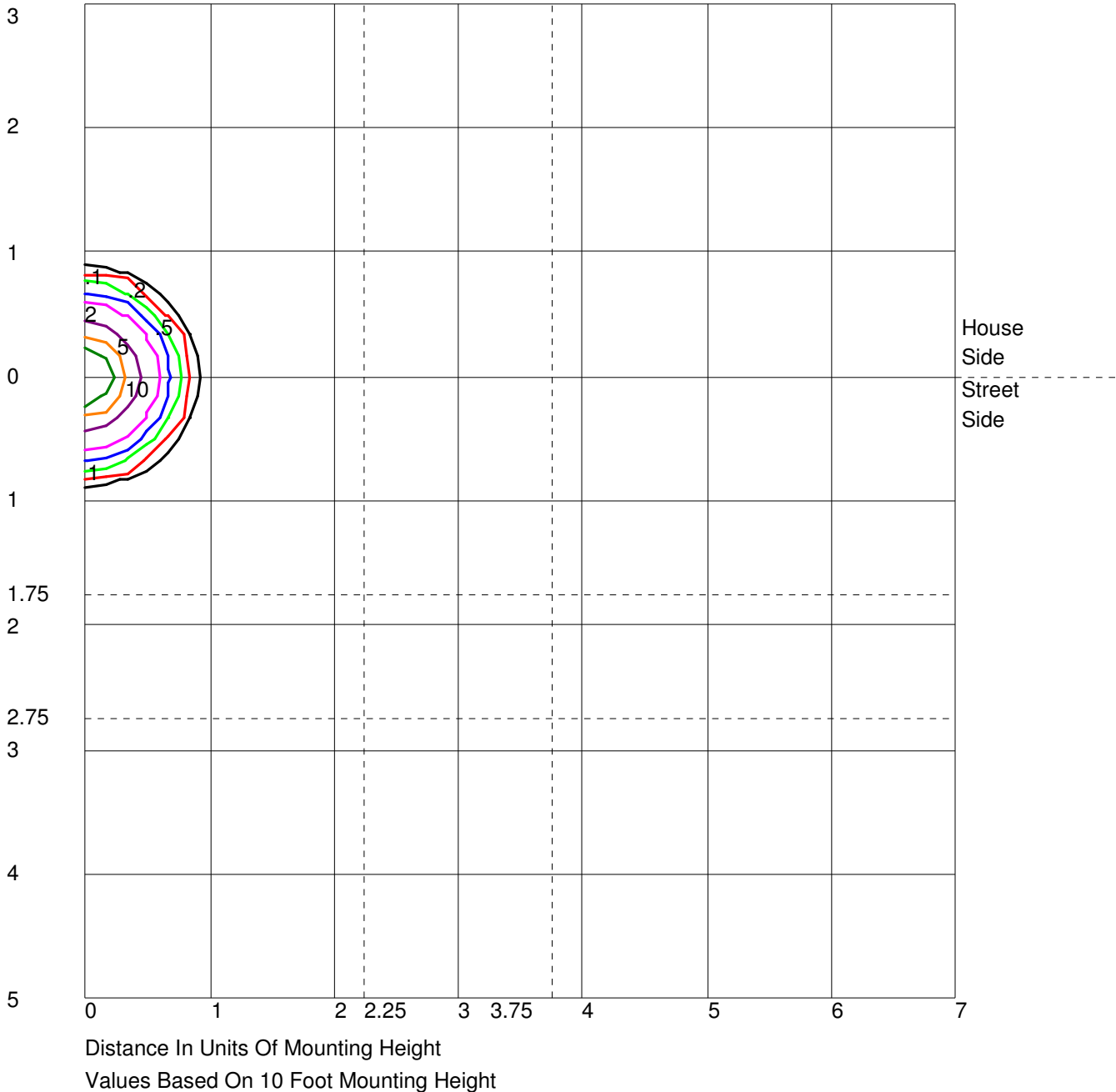


Maximum Candela = 5094.575 Located At Horizontal Angle = 360, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



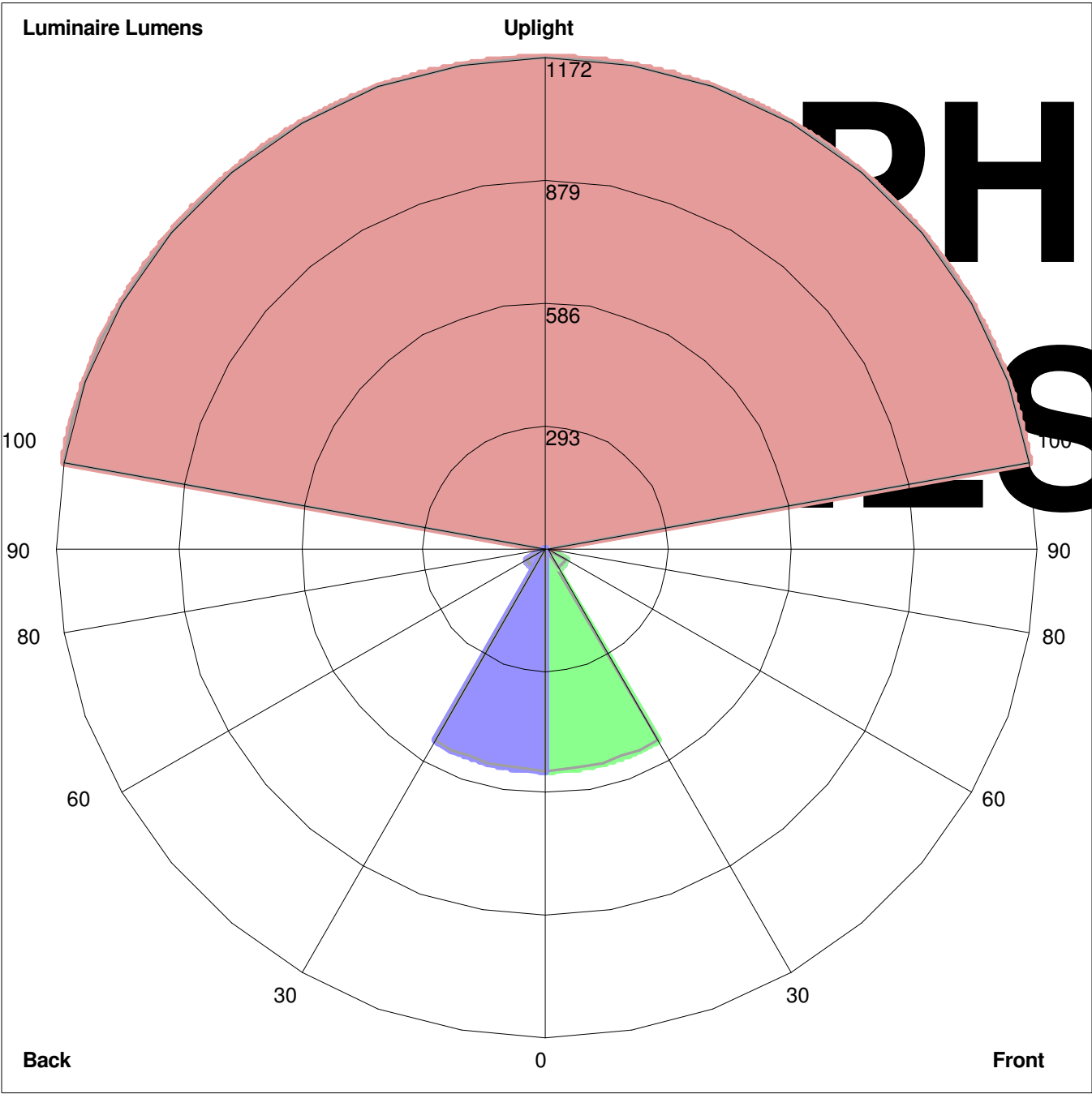


PHOTO
LUMENS