

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-XXX-DIM-UNV-N-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-NARROW
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT OUTDOOR
[MORE] CYLINDER W/NARROW DIST. & MICROPRISIM LENS
[LUMCAT] W4CRDI-xx-L15-827U-L15-827D-xxx-DIM-UNV-N-xx
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3195
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4436.402
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4436.402
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.286 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.863 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	698.8	N.A.	21.9
FM - Front-Medium (30-60)	94.9	N.A.	3.0
FH - Front-High (60-80)	4.6	N.A.	0.1
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	698.8	N.A.	21.9
BM - Back-Medium (30-60)	94.9	N.A.	3.0
BH - Back-High (60-80)	4.6	N.A.	0.1
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	1596.7	N.A.	50.0
Total	3194.5	N.A.	100.0
BUG Rating	B2-U5-G0		

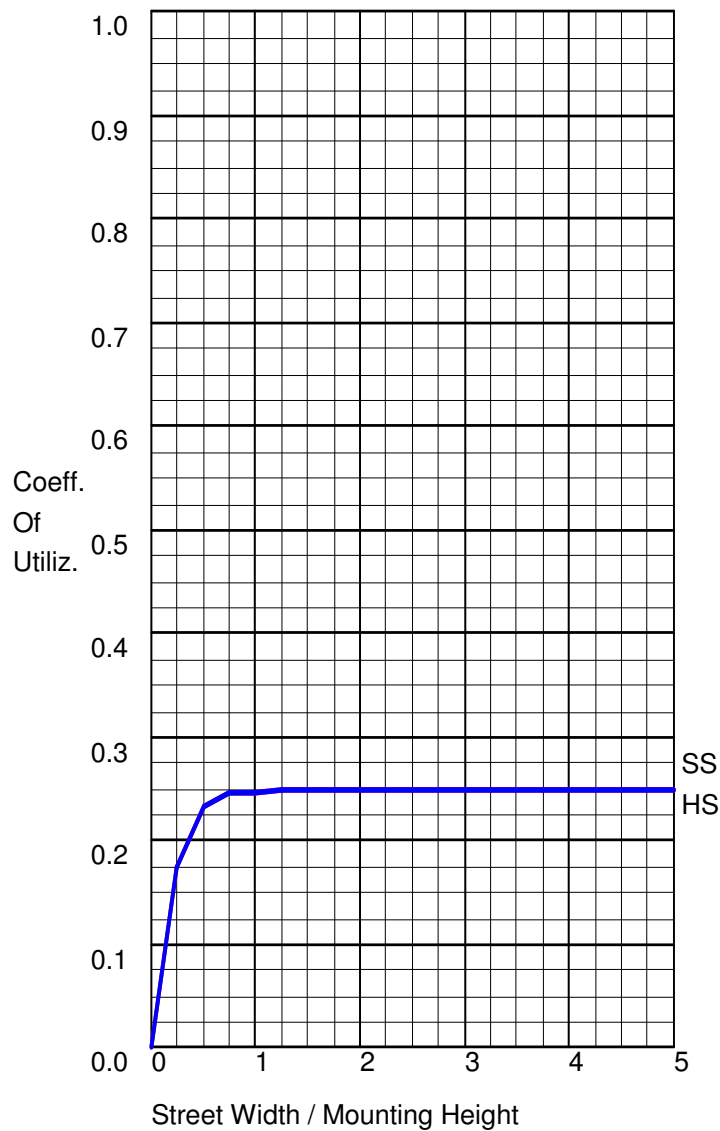
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CANDELA TABULATION

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	4436.402	4436.402	4436.402	4436.402	4436.402	4436.402	4436.402	4436.402	4436.402
5	4213.746	4208.321	4210.536	4208.321	4213.746	4208.321	4210.536	4208.321	4213.746
10	3448.705	3439.948	3457.482	3439.948	3448.705	3439.948	3457.482	3439.948	3448.705
15	2232.064	2261.157	2288.957	2261.157	2232.064	2261.157	2288.957	2261.157	2232.064
20	1255.459	1299.824	1322.041	1299.824	1255.459	1299.824	1322.041	1299.824	1255.459
25	790.081	818.364	818.920	818.364	790.081	818.364	818.920	818.364	790.081
30	506.830	517.318	520.846	517.318	506.830	517.318	520.846	517.318	506.830
35	212.967	212.332	213.052	212.332	212.967	212.332	213.052	212.332	212.967
40	51.331	49.069	48.984	49.069	51.331	49.069	48.984	49.069	51.331
45	22.561	23.790	24.744	23.790	22.561	23.790	24.744	23.790	22.561
50	22.794	23.403	23.753	23.403	22.794	23.403	23.753	23.403	22.794
55	18.101	18.461	18.419	18.461	18.101	18.461	18.419	18.461	18.101
60	10.420	10.372	10.362	10.372	10.420	10.372	10.362	10.372	10.420
65	6.177	6.108	6.113	6.108	6.177	6.108	6.113	6.108	6.177
70	4.206	4.148	4.158	4.148	4.206	4.148	4.158	4.148	4.206
75	2.590	2.490	2.431	2.490	2.590	2.490	2.431	2.490	2.590
80	0.863	0.837	0.837	0.837	0.863	0.837	0.837	0.837	0.863
85	0.625	0.620	0.620	0.620	0.625	0.620	0.620	0.620	0.625
90	0.286	0.265	0.244	0.265	0.286	0.265	0.244	0.265	0.286
95	0.625	0.620	0.620	0.620	0.625	0.620	0.620	0.620	0.625
100	0.863	0.837	0.837	0.837	0.863	0.837	0.837	0.837	0.863
105	2.590	2.490	2.431	2.490	2.590	2.490	2.431	2.490	2.590
110	4.206	4.148	4.158	4.148	4.206	4.148	4.158	4.148	4.206
115	6.177	6.108	6.113	6.108	6.177	6.108	6.113	6.108	6.177
120	10.420	10.372	10.362	10.372	10.420	10.372	10.362	10.372	10.420
125	18.101	18.461	18.419	18.461	18.101	18.461	18.419	18.461	18.101
130	22.794	23.403	23.753	23.403	22.794	23.403	23.753	23.403	22.794
135	22.561	23.790	24.744	23.790	22.561	23.790	24.744	23.790	22.561
140	51.331	49.069	48.984	49.069	51.331	49.069	48.984	49.069	51.331
145	212.967	212.332	213.052	212.332	212.967	212.332	213.052	212.332	212.967
150	506.830	517.318	520.846	517.318	506.830	517.318	520.846	517.318	506.830
155	790.081	818.364	818.920	818.364	790.081	818.364	818.920	818.364	790.081
160	1255.459	1299.824	1322.041	1299.824	1255.459	1299.824	1322.041	1299.824	1255.459
165	2232.064	2261.157	2288.957	2261.157	2232.064	2261.157	2288.957	2261.157	2232.064
170	3448.705	3439.948	3457.482	3439.948	3448.705	3439.948	3457.482	3439.948	3448.705
175	4213.746	4208.321	4210.536	4208.321	4213.746	4208.321	4210.536	4208.321	4213.746
180	4435.957	4435.957	4435.957	4435.957	4435.957	4435.957	4435.957	4435.957	4435.957

COEFFICIENTS OF UTILIZATION



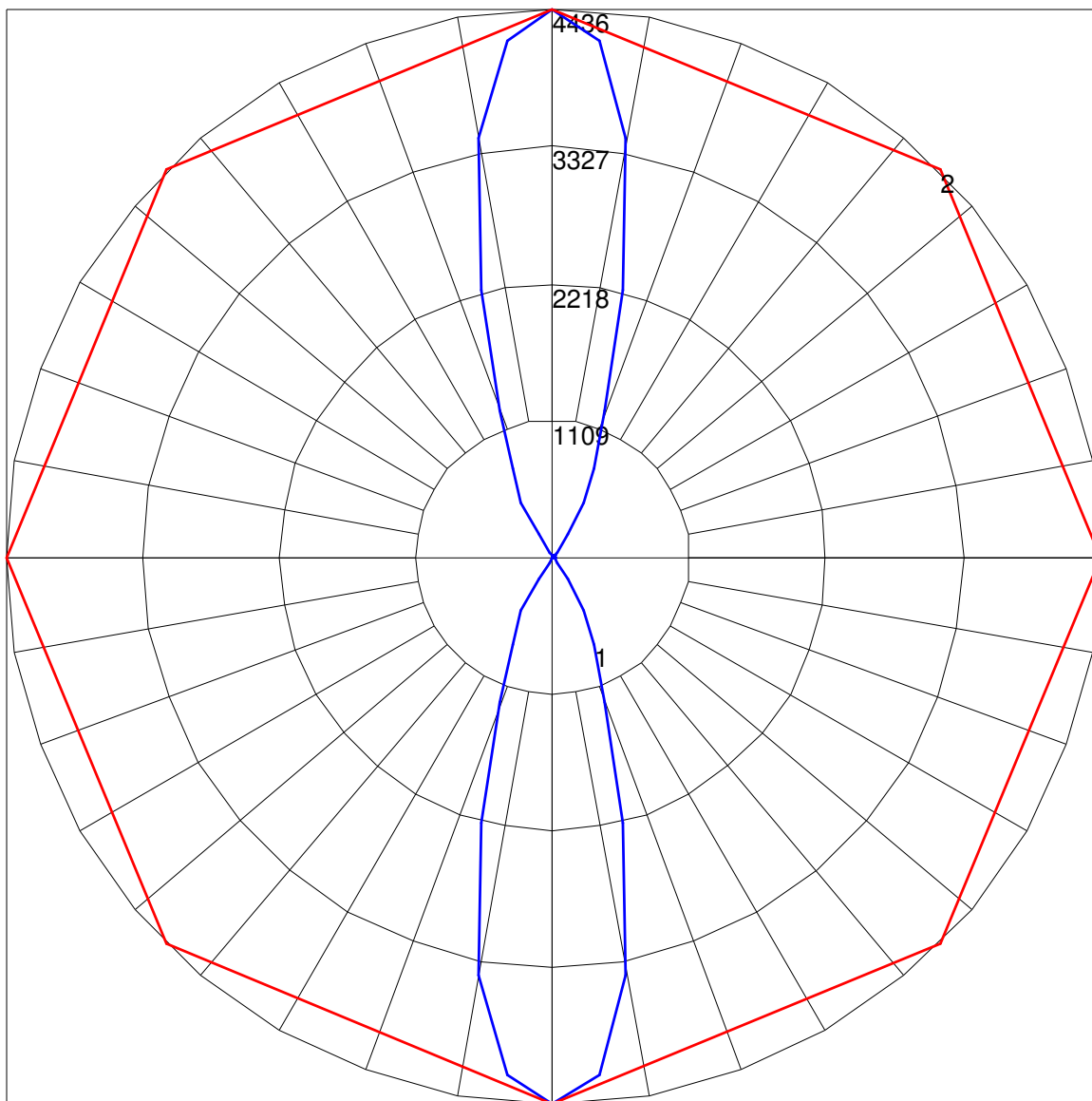
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	798.7	25.0
Downward House Side	798.7	25.0
Downward Total	1597.4	50.0
Upward Street Side	798.6	25.0
Upward House Side	798.6	25.0
Upward Total	1597.2	50.0
Total Flux	3194.6	100.0

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POLAR GRAPH

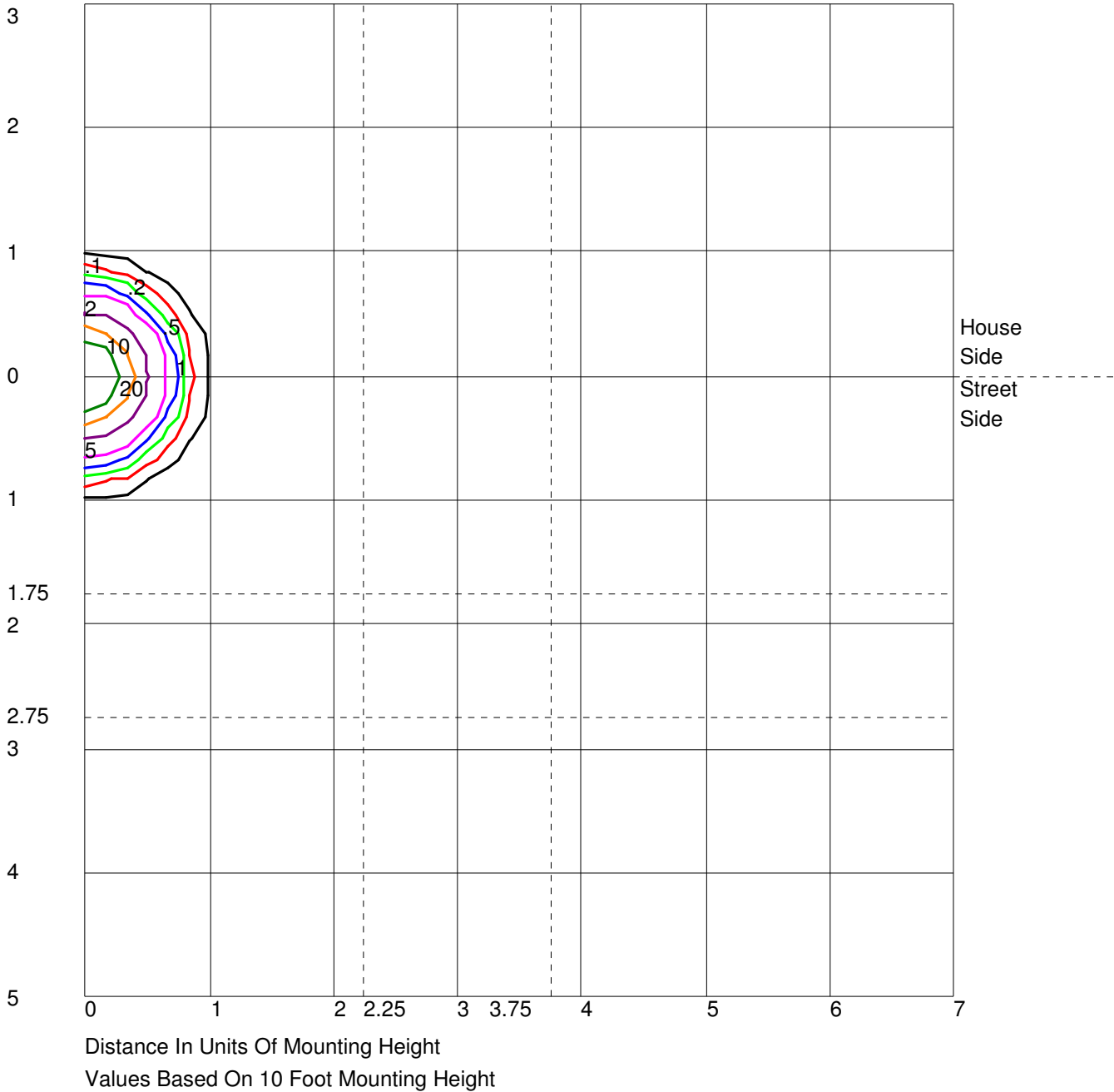


Maximum Candela = 4436.402 Located At Horizontal Angle = 360, Vertical Angle = 0

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



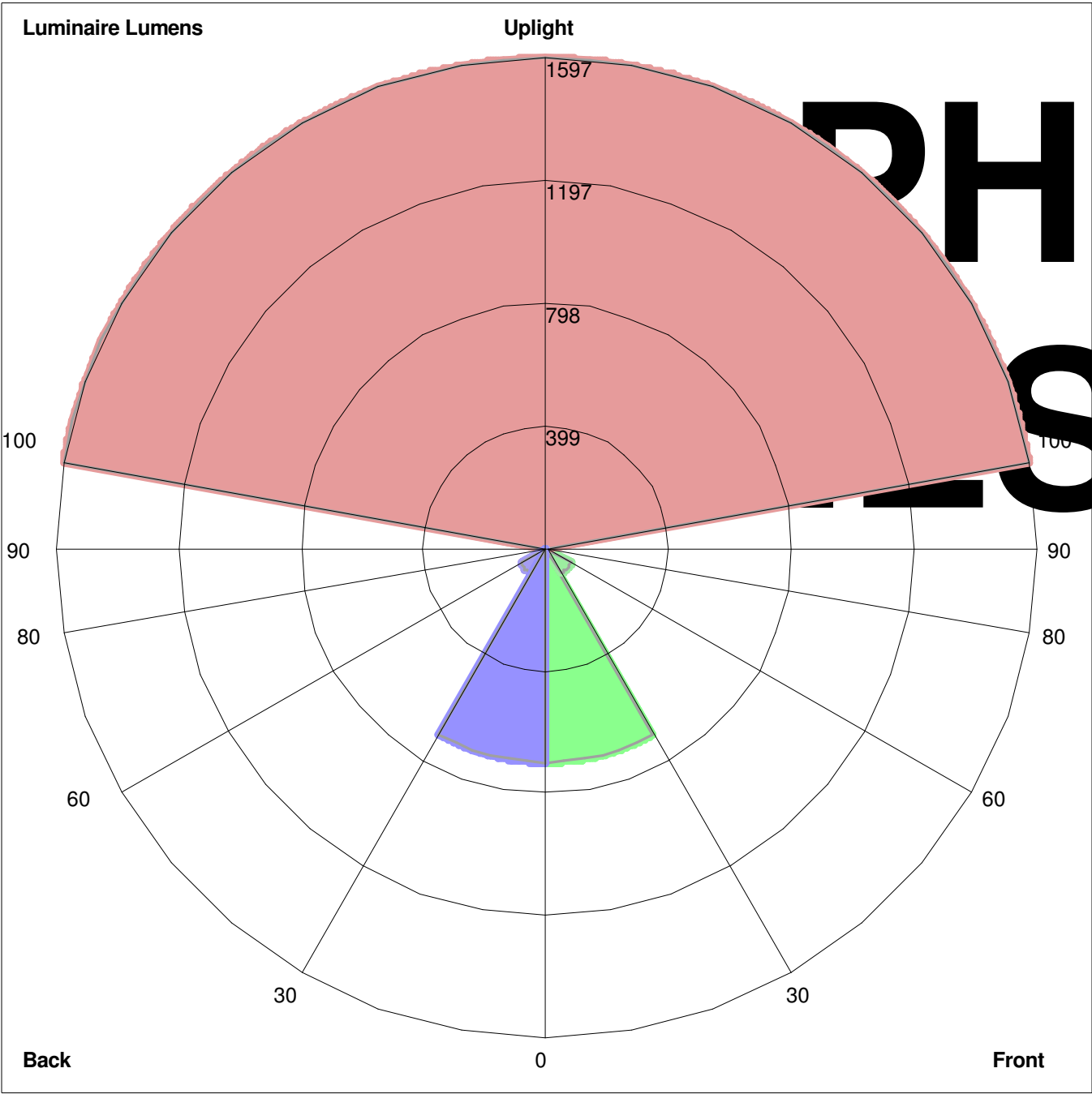


PHOTO
LUMENS