

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-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-L15-850U-L15-850D-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	3227
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4481.671
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4481.671
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.289 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.872 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	705.9	N.A.	21.9
FM - Front-Medium (30-60)	95.9	N.A.	3.0
FH - Front-High (60-80)	4.7	N.A.	0.1
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	705.9	N.A.	21.9
BM - Back-Medium (30-60)	95.9	N.A.	3.0
BH - Back-High (60-80)	4.7	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)	1612.9	N.A.	50.0
Total	3227.1	N.A.	100.0
BUG Rating	B2-U5-G0		

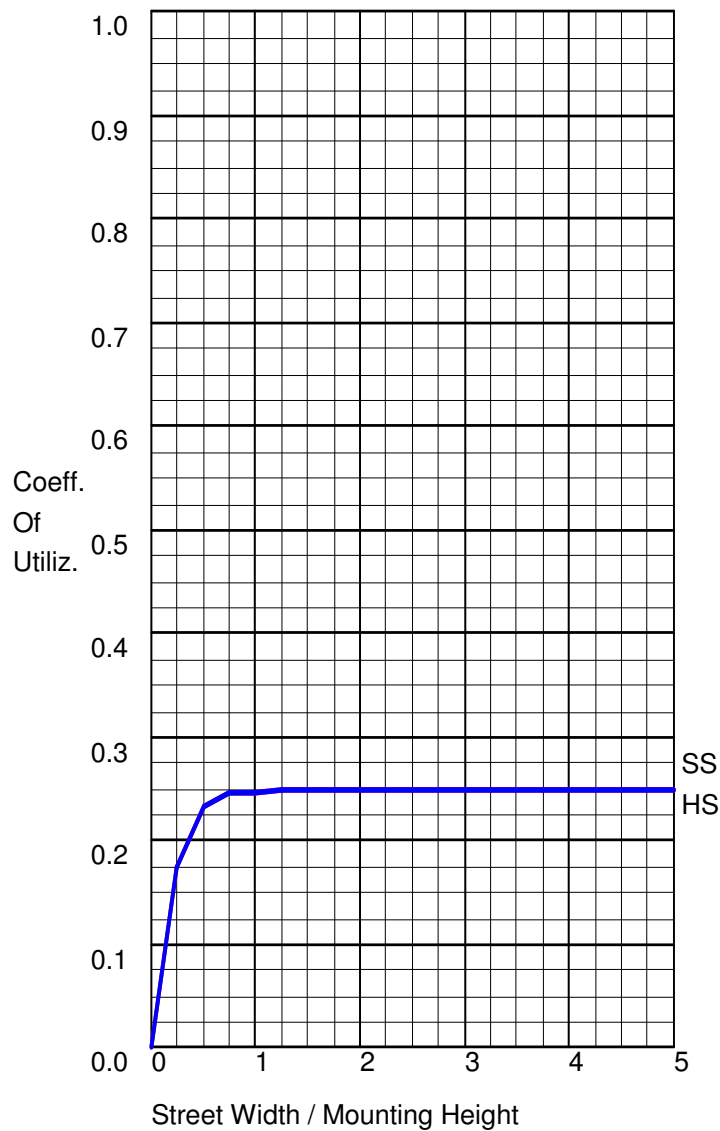
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CANDELA TABULATION

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	4481.671	4481.671	4481.671	4481.671	4481.671	4481.671	4481.671	4481.671	4481.671
5	4256.743	4251.263	4253.500	4251.263	4256.743	4251.263	4253.500	4251.263	4256.743
10	3483.895	3475.050	3492.763	3475.050	3483.895	3475.050	3492.763	3475.050	3483.895
15	2254.840	2284.229	2312.313	2284.229	2254.840	2284.229	2312.313	2284.229	2254.840
20	1268.270	1313.088	1335.531	1313.088	1268.270	1313.088	1335.531	1313.088	1268.270
25	798.143	826.714	827.276	826.714	798.143	826.714	827.276	826.714	798.143
30	512.001	522.597	526.161	522.597	512.001	522.597	526.161	522.597	512.001
35	215.140	214.498	215.226	214.498	215.140	214.498	215.226	214.498	215.140
40	51.855	49.570	49.484	49.570	51.855	49.570	49.484	49.570	51.855
45	22.791	24.033	24.996	24.033	22.791	24.033	24.996	24.033	22.791
50	23.027	23.642	23.995	23.642	23.027	23.642	23.995	23.642	23.027
55	18.286	18.649	18.607	18.649	18.286	18.649	18.607	18.649	18.286
60	10.526	10.478	10.467	10.478	10.526	10.478	10.467	10.478	10.526
65	6.240	6.170	6.175	6.170	6.240	6.170	6.175	6.170	6.240
70	4.249	4.190	4.201	4.190	4.249	4.190	4.201	4.190	4.249
75	2.617	2.515	2.456	2.515	2.617	2.515	2.456	2.515	2.617
80	0.872	0.846	0.846	0.846	0.872	0.846	0.846	0.846	0.872
85	0.631	0.626	0.626	0.626	0.631	0.626	0.626	0.626	0.631
90	0.289	0.268	0.246	0.268	0.289	0.268	0.246	0.268	0.289
95	0.631	0.626	0.626	0.626	0.631	0.626	0.626	0.626	0.631
100	0.872	0.846	0.846	0.846	0.872	0.846	0.846	0.846	0.872
105	2.617	2.515	2.456	2.515	2.617	2.515	2.456	2.515	2.617
110	4.249	4.190	4.201	4.190	4.249	4.190	4.201	4.190	4.249
115	6.240	6.170	6.175	6.170	6.240	6.170	6.175	6.170	6.240
120	10.526	10.478	10.467	10.478	10.526	10.478	10.467	10.478	10.526
125	18.286	18.649	18.607	18.649	18.286	18.649	18.607	18.649	18.286
130	23.027	23.642	23.995	23.642	23.027	23.642	23.995	23.642	23.027
135	22.791	24.033	24.996	24.033	22.791	24.033	24.996	24.033	22.791
140	51.855	49.570	49.484	49.570	51.855	49.570	49.484	49.570	51.855
145	215.140	214.498	215.226	214.498	215.140	214.498	215.226	214.498	215.140
150	512.001	522.597	526.161	522.597	512.001	522.597	526.161	522.597	512.001
155	798.143	826.714	827.276	826.714	798.143	826.714	827.276	826.714	798.143
160	1268.270	1313.088	1335.531	1313.088	1268.270	1313.088	1335.531	1313.088	1268.270
165	2254.840	2284.229	2312.313	2284.229	2254.840	2284.229	2312.313	2284.229	2254.840
170	3483.895	3475.050	3492.763	3475.050	3483.895	3475.050	3492.763	3475.050	3483.895
175	4256.743	4251.263	4253.500	4251.263	4256.743	4251.263	4253.500	4251.263	4256.743
180	4481.221	4481.221	4481.221	4481.221	4481.221	4481.221	4481.221	4481.221	4481.221

COEFFICIENTS OF UTILIZATION



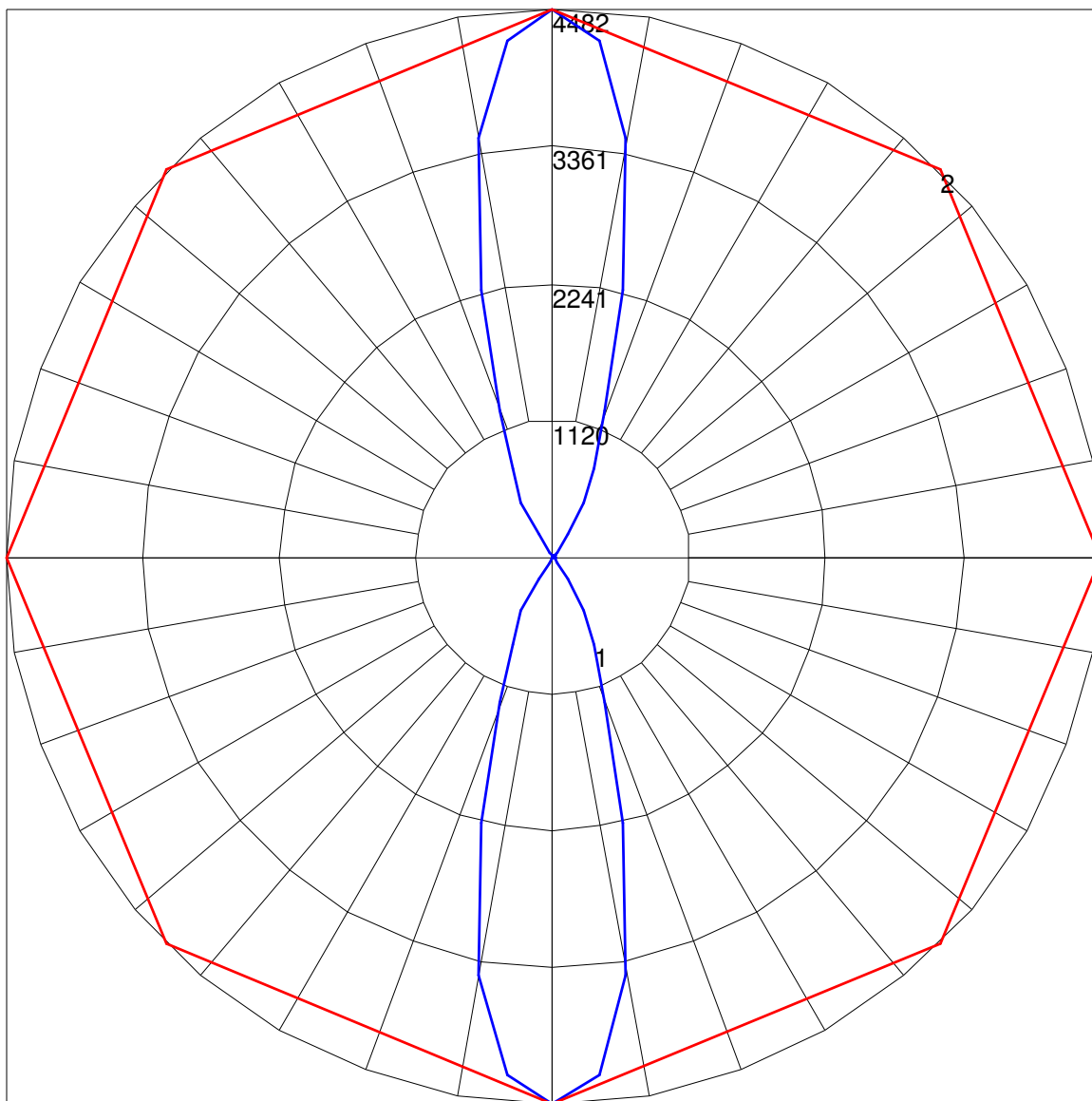
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	806.8	25.0
Downward House Side	806.8	25.0
Downward Total	1613.6	50.0
Upward Street Side	806.8	25.0
Upward House Side	806.8	25.0
Upward Total	1613.6	50.0
Total Flux	3227.2	100.0

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POLAR GRAPH

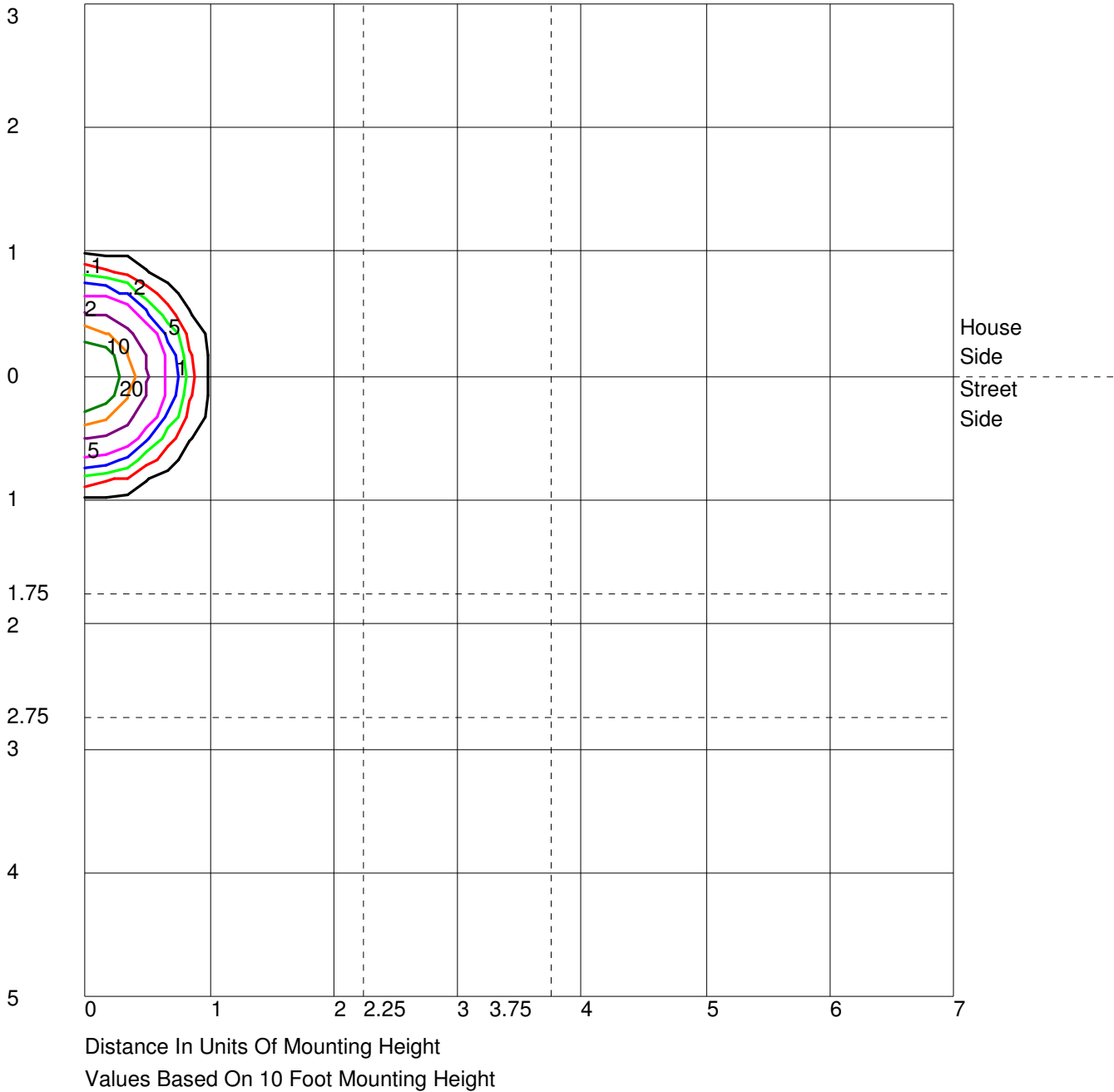


Maximum Candela = 4481.671 Located At Horizontal Angle = 360, Vertical Angle = 0

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



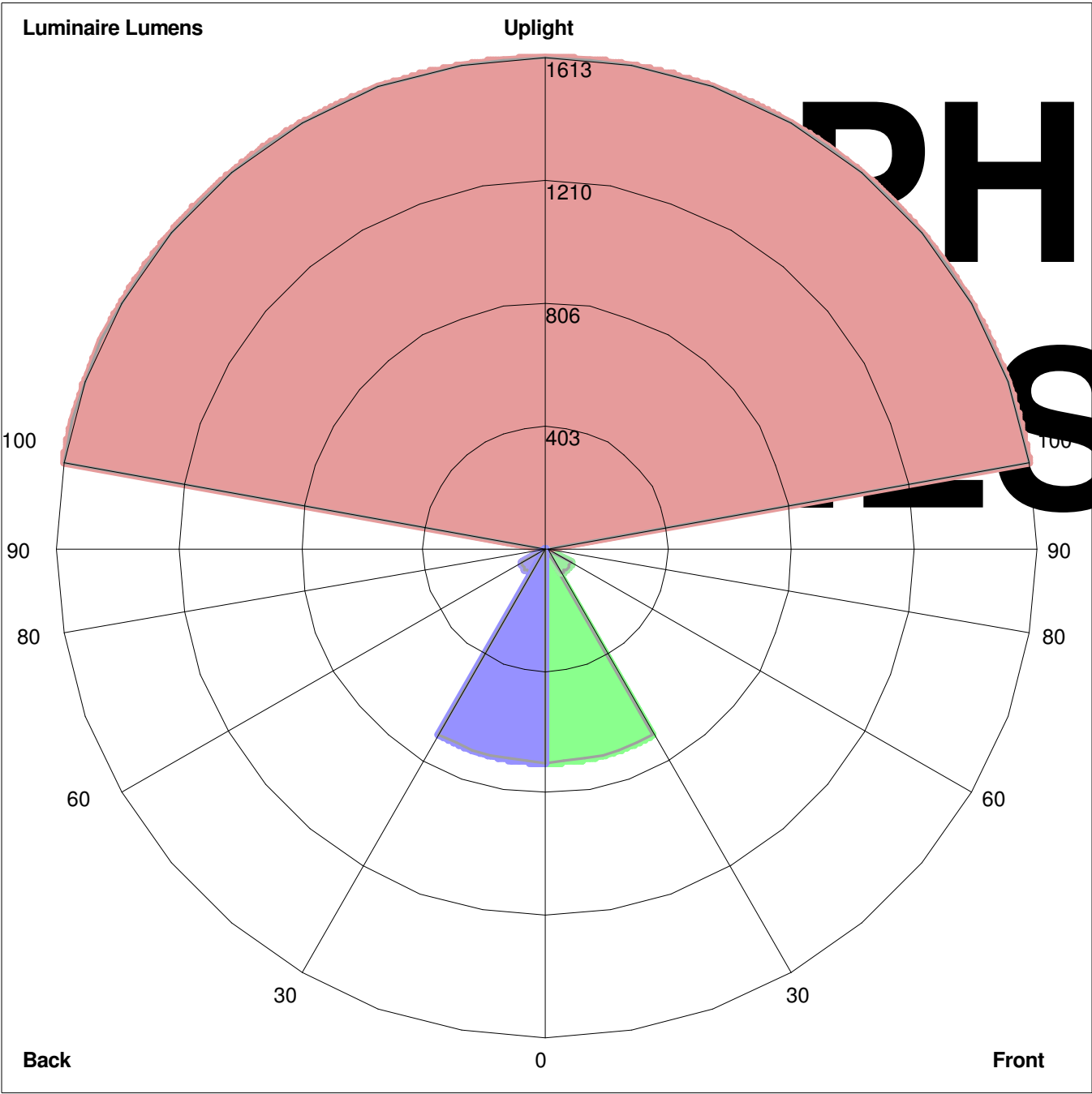


PHOTO
LUMENS