

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-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-L15-950U-L15-950D-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	3064
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4255.324
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4255.324
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.274 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.828 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	670.3	N.A.	21.9
FM - Front-Medium (30-60)	91.0	N.A.	3.0
FH - Front-High (60-80)	4.4	N.A.	0.1
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	670.3	N.A.	21.9
BM - Back-Medium (30-60)	91.0	N.A.	3.0
BH - Back-High (60-80)	4.4	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)	1531.5	N.A.	50.0
Total	3064.1	N.A.	100.0
BUG Rating	B2-U5-G0		

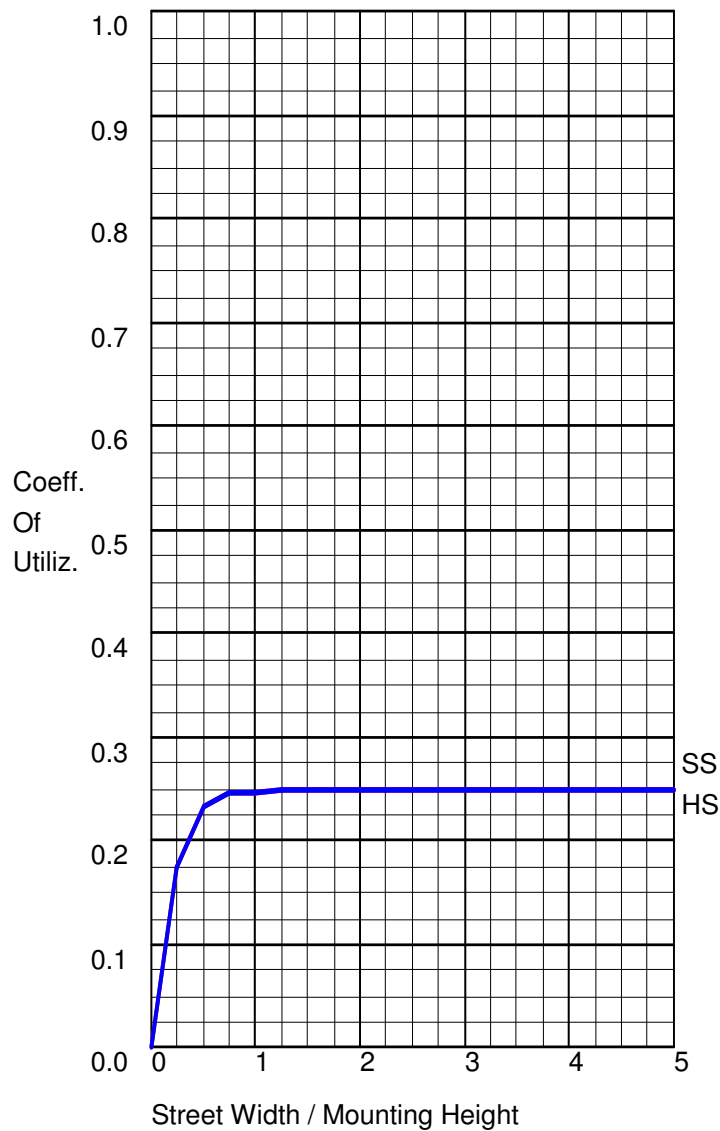
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CANDELA TABULATION

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	4255.324	4255.324	4255.324	4255.324	4255.324	4255.324	4255.324	4255.324	4255.324
5	4041.756	4036.553	4038.677	4036.553	4041.756	4036.553	4038.677	4036.553	4041.756
10	3307.941	3299.542	3316.360	3299.542	3307.941	3299.542	3316.360	3299.542	3307.941
15	2140.959	2168.864	2195.530	2168.864	2140.959	2168.864	2195.530	2168.864	2140.959
20	1204.216	1246.770	1268.080	1246.770	1204.216	1246.770	1268.080	1246.770	1204.216
25	757.833	784.961	785.494	784.961	757.833	784.961	785.494	784.961	757.833
30	486.143	496.203	499.587	496.203	486.143	496.203	499.587	496.203	486.143
35	204.275	203.665	204.356	203.665	204.275	203.665	204.356	203.665	204.275
40	49.236	47.066	46.985	47.066	49.236	47.066	46.985	47.066	49.236
45	21.640	22.819	23.734	22.819	21.640	22.819	23.734	22.819	21.640
50	21.864	22.448	22.784	22.448	21.864	22.448	22.784	22.448	21.864
55	17.362	17.708	17.667	17.708	17.362	17.708	17.667	17.708	17.362
60	9.994	9.949	9.939	9.949	9.994	9.949	9.939	9.949	9.994
65	5.925	5.858	5.864	5.858	5.925	5.858	5.864	5.858	5.925
70	4.034	3.978	3.989	3.978	4.034	3.978	3.989	3.978	4.034
75	2.485	2.388	2.332	2.388	2.485	2.388	2.332	2.388	2.485
80	0.828	0.803	0.803	0.803	0.828	0.803	0.803	0.803	0.828
85	0.600	0.594	0.594	0.594	0.600	0.594	0.594	0.594	0.600
90	0.274	0.254	0.234	0.254	0.274	0.254	0.234	0.254	0.274
95	0.600	0.594	0.594	0.594	0.600	0.594	0.594	0.594	0.600
100	0.828	0.803	0.803	0.803	0.828	0.803	0.803	0.803	0.828
105	2.485	2.388	2.332	2.388	2.485	2.388	2.332	2.388	2.485
110	4.034	3.978	3.989	3.978	4.034	3.978	3.989	3.978	4.034
115	5.925	5.858	5.864	5.858	5.925	5.858	5.864	5.858	5.925
120	9.994	9.949	9.939	9.949	9.994	9.949	9.939	9.949	9.994
125	17.362	17.708	17.667	17.708	17.362	17.708	17.667	17.708	17.362
130	21.864	22.448	22.784	22.448	21.864	22.448	22.784	22.448	21.864
135	21.640	22.819	23.734	22.819	21.640	22.819	23.734	22.819	21.640
140	49.236	47.066	46.985	47.066	49.236	47.066	46.985	47.066	49.236
145	204.275	203.665	204.356	203.665	204.275	203.665	204.356	203.665	204.275
150	486.143	496.203	499.587	496.203	486.143	496.203	499.587	496.203	486.143
155	757.833	784.961	785.494	784.961	757.833	784.961	785.494	784.961	757.833
160	1204.216	1246.770	1268.080	1246.770	1204.216	1246.770	1268.080	1246.770	1204.216
165	2140.959	2168.864	2195.530	2168.864	2140.959	2168.864	2195.530	2168.864	2140.959
170	3307.941	3299.542	3316.360	3299.542	3307.941	3299.542	3316.360	3299.542	3307.941
175	4041.756	4036.553	4038.677	4036.553	4041.756	4036.553	4038.677	4036.553	4041.756
180	4254.897	4254.897	4254.897	4254.897	4254.897	4254.897	4254.897	4254.897	4254.897

COEFFICIENTS OF UTILIZATION



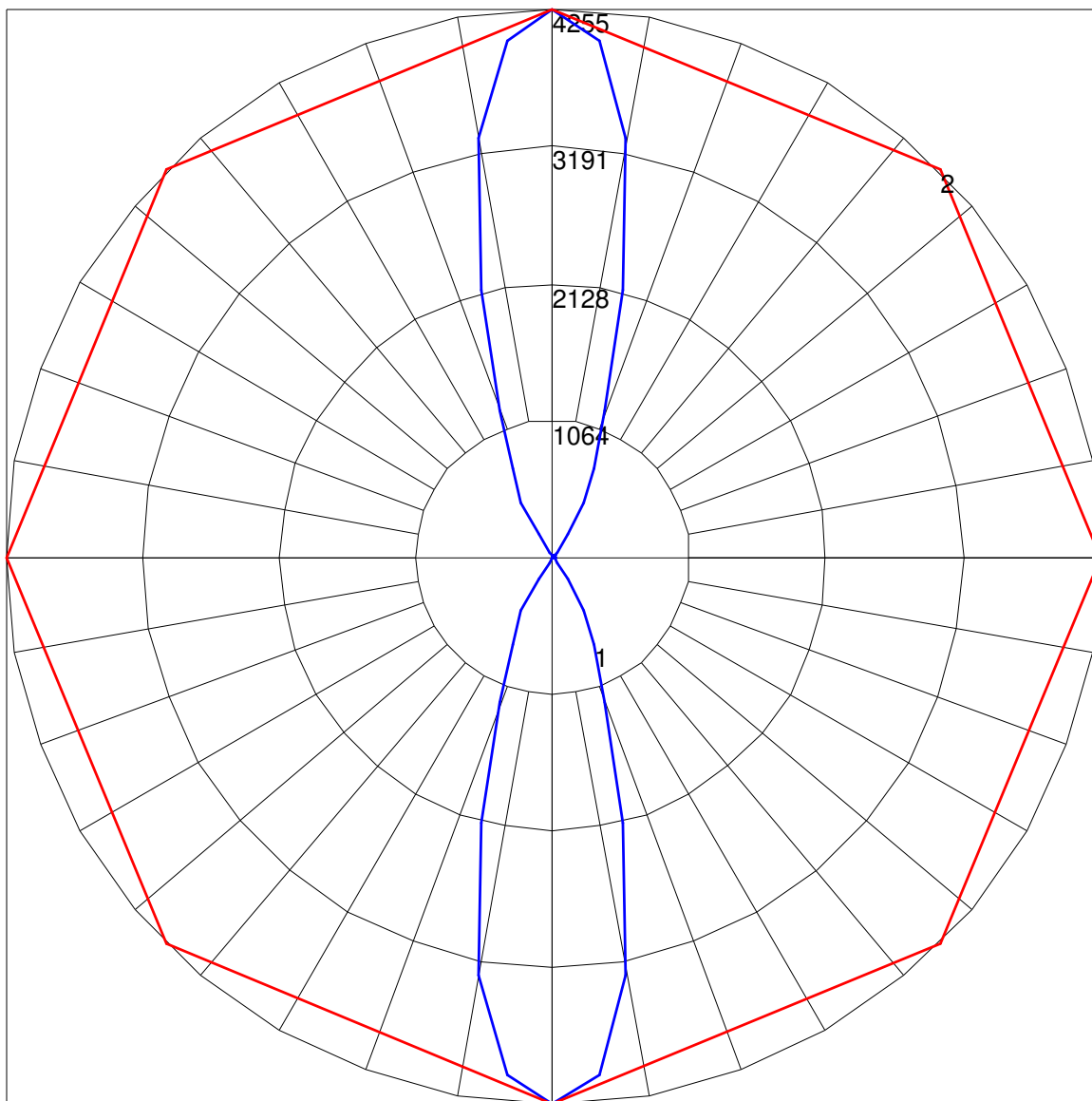
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	766.1	25.0
Downward House Side	766.1	25.0
Downward Total	1532.2	50.0
Upward Street Side	766.1	25.0
Upward House Side	766.1	25.0
Upward Total	1532.2	50.0
Total Flux	3064.4	100.0

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POLAR GRAPH

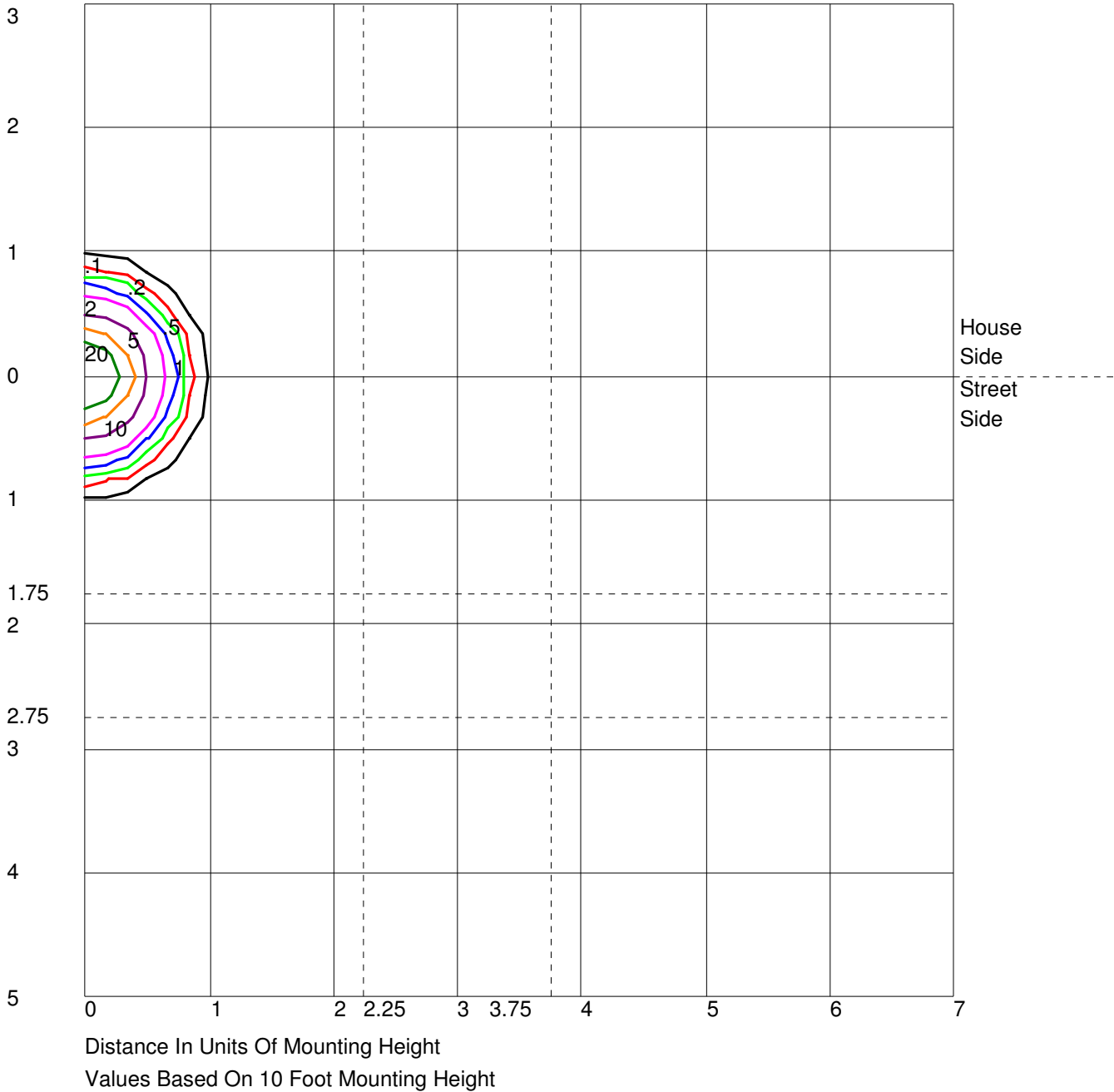


Maximum Candela = 4255.324 Located At Horizontal Angle = 360, Vertical Angle = 0

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



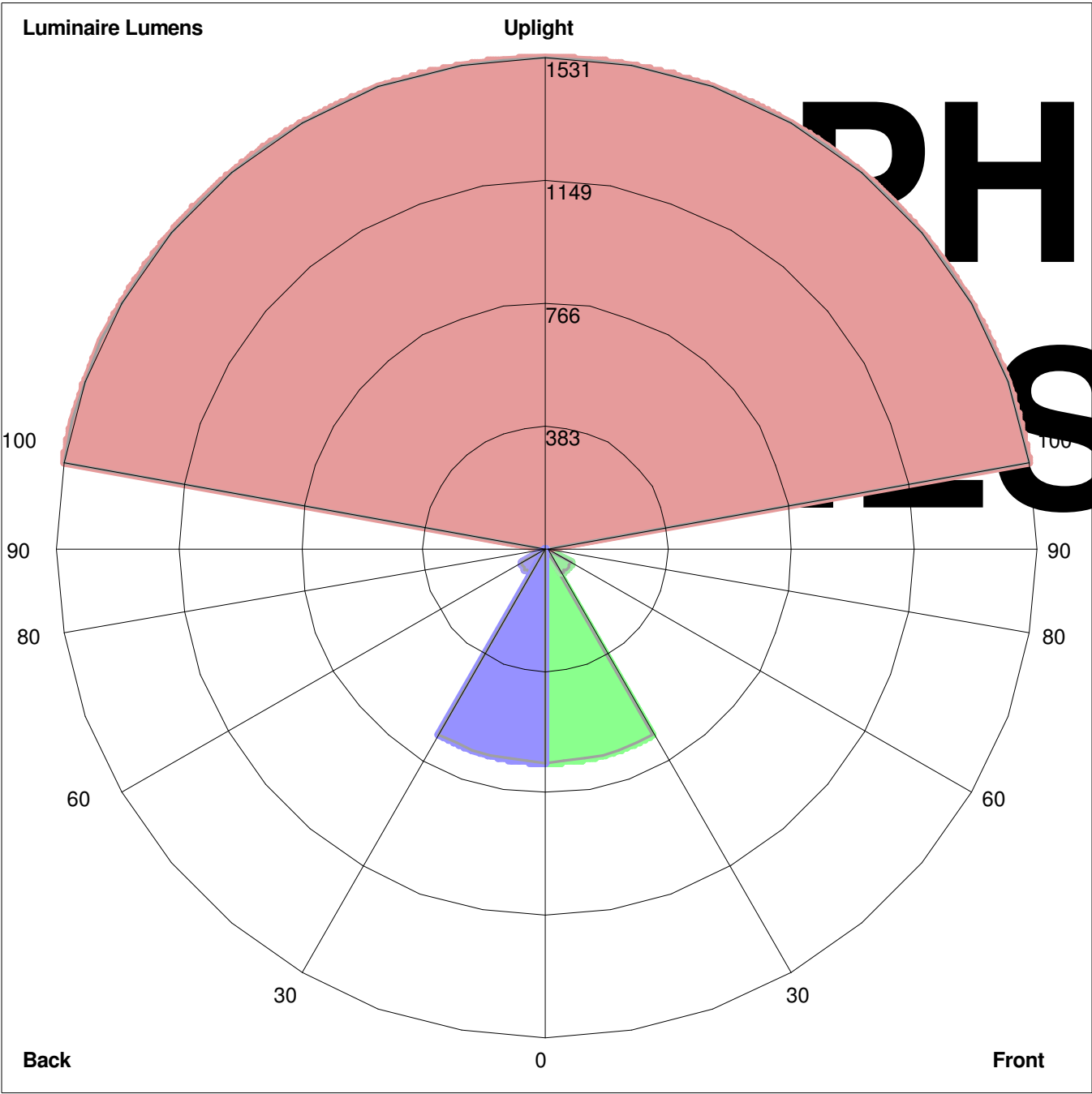


PHOTO
LUMENS