

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-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-L15-927U-L15-927D-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	3032
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4210.055
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4210.055
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.271 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.819 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	663.2	N.A.	21.9
FM - Front-Medium (30-60)	90.1	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)	663.2	N.A.	21.9
BM - Back-Medium (30-60)	90.1	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)	1515.2	N.A.	50.0
Total	3031.8	N.A.	100.0
BUG Rating	B2-U5-G0		

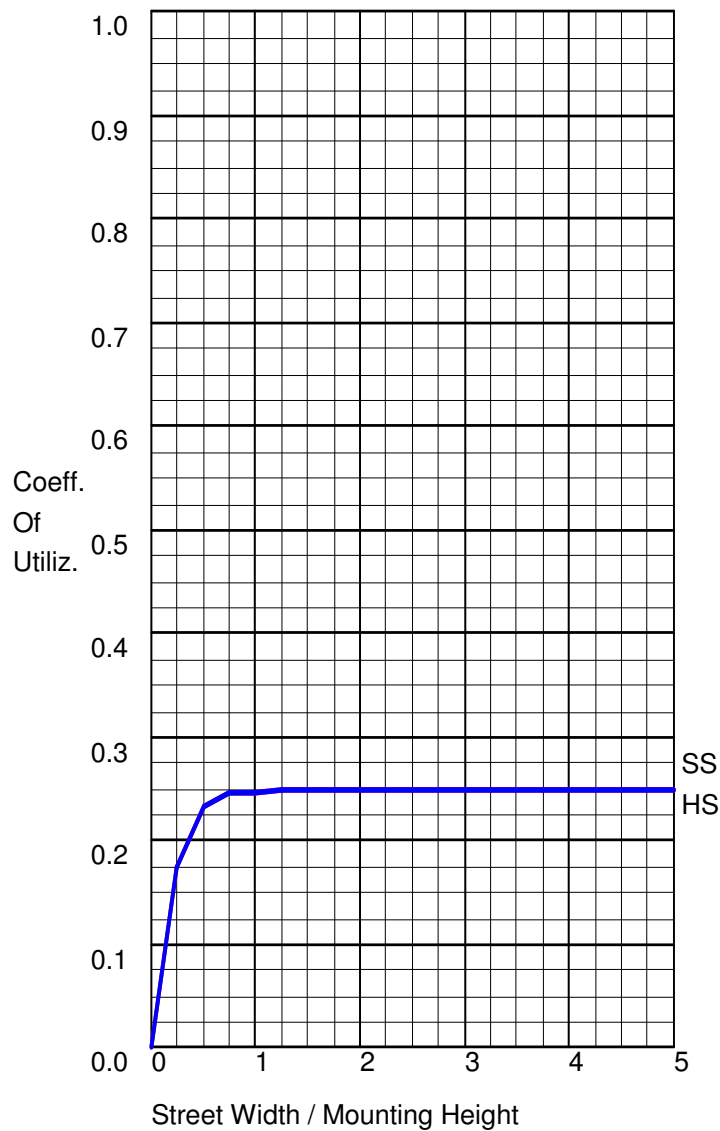
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CANDELA TABULATION

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	4210.055	4210.055	4210.055	4210.055	4210.055	4210.055	4210.055	4210.055	4210.055
5	3998.759	3993.611	3995.712	3993.611	3998.759	3993.611	3995.712	3993.611	3998.759
10	3272.750	3264.441	3281.080	3264.441	3272.750	3264.441	3281.080	3264.441	3272.750
15	2118.183	2145.792	2172.173	2145.792	2118.183	2145.792	2172.173	2145.792	2118.183
20	1191.405	1233.507	1254.590	1233.507	1191.405	1233.507	1254.590	1233.507	1191.405
25	749.771	776.610	777.138	776.610	749.771	776.610	777.138	776.610	749.771
30	480.971	490.924	494.272	490.924	480.971	490.924	494.272	490.924	480.971
35	202.102	201.498	202.182	201.498	202.102	201.498	202.182	201.498	202.102
40	48.712	46.565	46.485	46.565	48.712	46.565	46.485	46.565	48.712
45	21.410	22.576	23.481	22.576	21.410	22.576	23.481	22.576	21.410
50	21.631	22.209	22.541	22.209	21.631	22.209	22.541	22.209	21.631
55	17.177	17.519	17.479	17.519	17.177	17.519	17.479	17.519	17.177
60	9.888	9.843	9.833	9.843	9.888	9.843	9.833	9.843	9.888
65	5.862	5.796	5.801	5.796	5.862	5.796	5.801	5.796	5.862
70	3.991	3.936	3.946	3.936	3.991	3.936	3.946	3.936	3.991
75	2.458	2.363	2.307	2.363	2.458	2.363	2.307	2.363	2.458
80	0.819	0.794	0.794	0.794	0.819	0.794	0.794	0.794	0.819
85	0.593	0.588	0.588	0.588	0.593	0.588	0.588	0.588	0.593
90	0.271	0.251	0.231	0.251	0.271	0.251	0.231	0.251	0.271
95	0.593	0.588	0.588	0.588	0.593	0.588	0.588	0.588	0.593
100	0.819	0.794	0.794	0.794	0.819	0.794	0.794	0.794	0.819
105	2.458	2.363	2.307	2.363	2.458	2.363	2.307	2.363	2.458
110	3.991	3.936	3.946	3.936	3.991	3.936	3.946	3.936	3.991
115	5.862	5.796	5.801	5.796	5.862	5.796	5.801	5.796	5.862
120	9.888	9.843	9.833	9.843	9.888	9.843	9.833	9.843	9.888
125	17.177	17.519	17.479	17.519	17.177	17.519	17.479	17.519	17.177
130	21.631	22.209	22.541	22.209	21.631	22.209	22.541	22.209	21.631
135	21.410	22.576	23.481	22.576	21.410	22.576	23.481	22.576	21.410
140	48.712	46.565	46.485	46.565	48.712	46.565	46.485	46.565	48.712
145	202.102	201.498	202.182	201.498	202.102	201.498	202.182	201.498	202.102
150	480.971	490.924	494.272	490.924	480.971	490.924	494.272	490.924	480.971
155	749.771	776.610	777.138	776.610	749.771	776.610	777.138	776.610	749.771
160	1191.405	1233.507	1254.590	1233.507	1191.405	1233.507	1254.590	1233.507	1191.405
165	2118.183	2145.792	2172.173	2145.792	2118.183	2145.792	2172.173	2145.792	2118.183
170	3272.750	3264.441	3281.080	3264.441	3272.750	3264.441	3281.080	3264.441	3272.750
175	3998.759	3993.611	3995.712	3993.611	3998.759	3993.611	3995.712	3993.611	3998.759
180	4209.633	4209.633	4209.633	4209.633	4209.633	4209.633	4209.633	4209.633	4209.633

COEFFICIENTS OF UTILIZATION



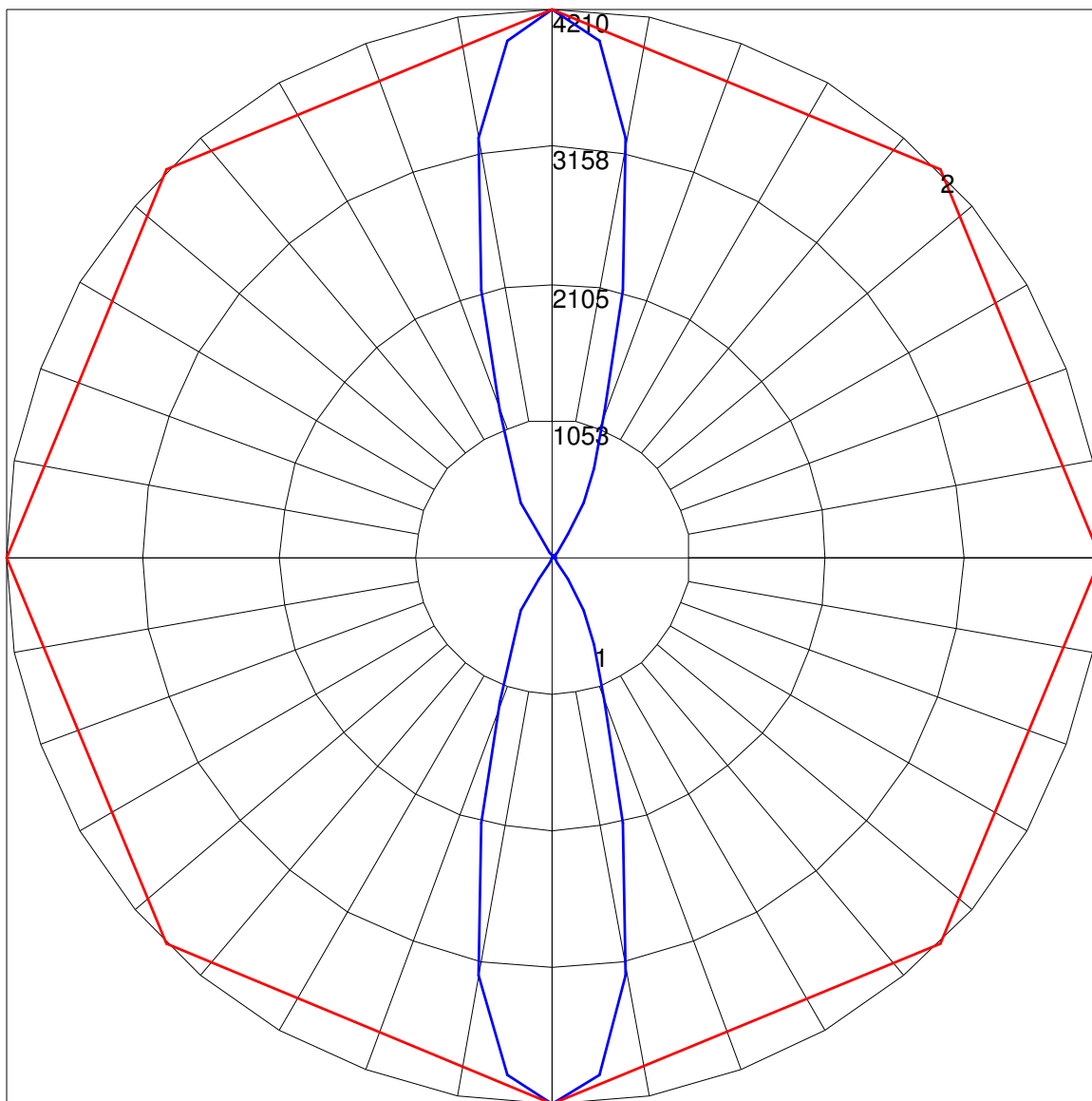
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	757.9	25.0
Downward House Side	757.9	25.0
Downward Total	1515.8	50.0
Upward Street Side	757.9	25.0
Upward House Side	757.9	25.0
Upward Total	1515.8	50.0
Total Flux	3031.6	100.0

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POLAR GRAPH

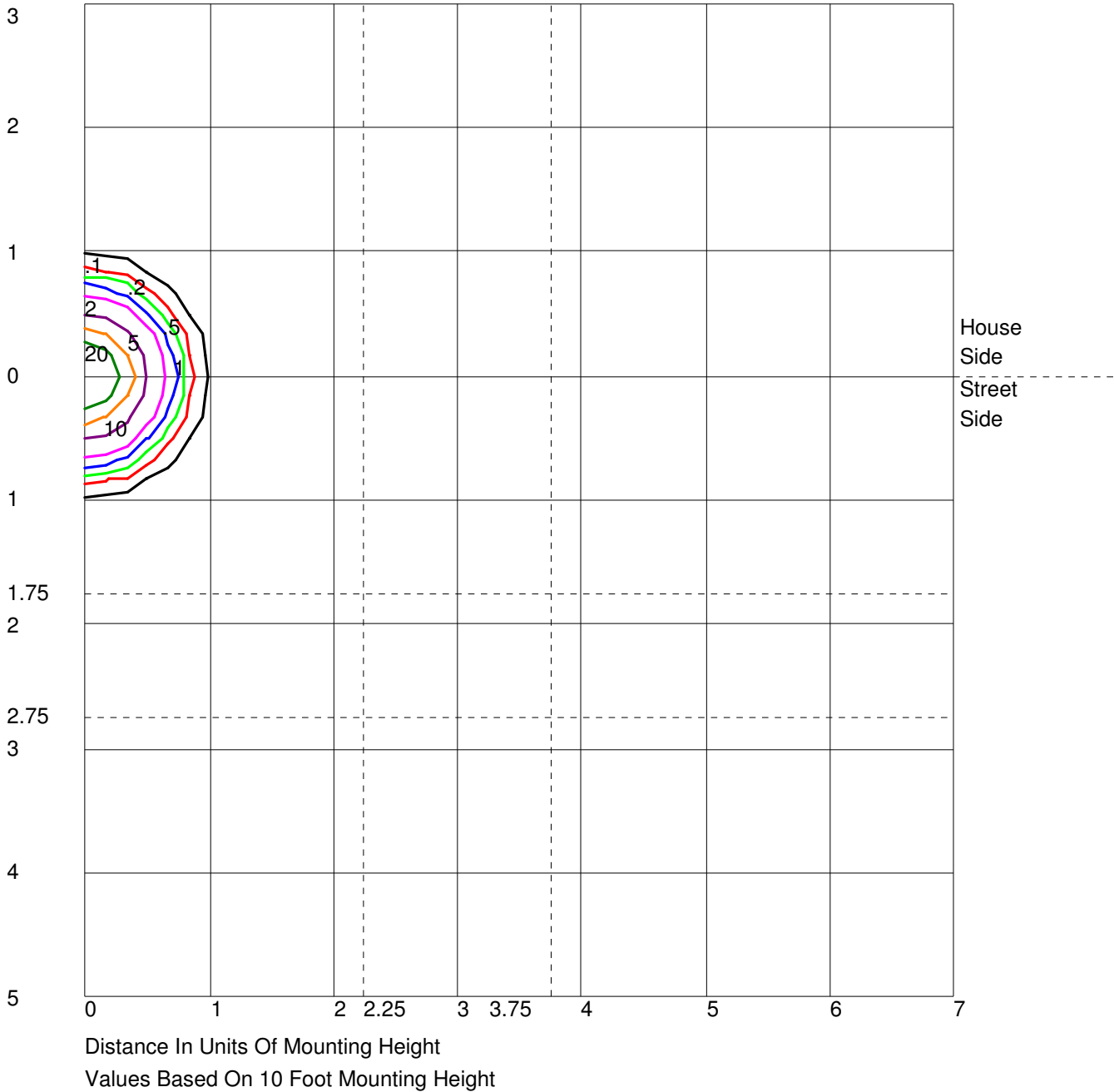


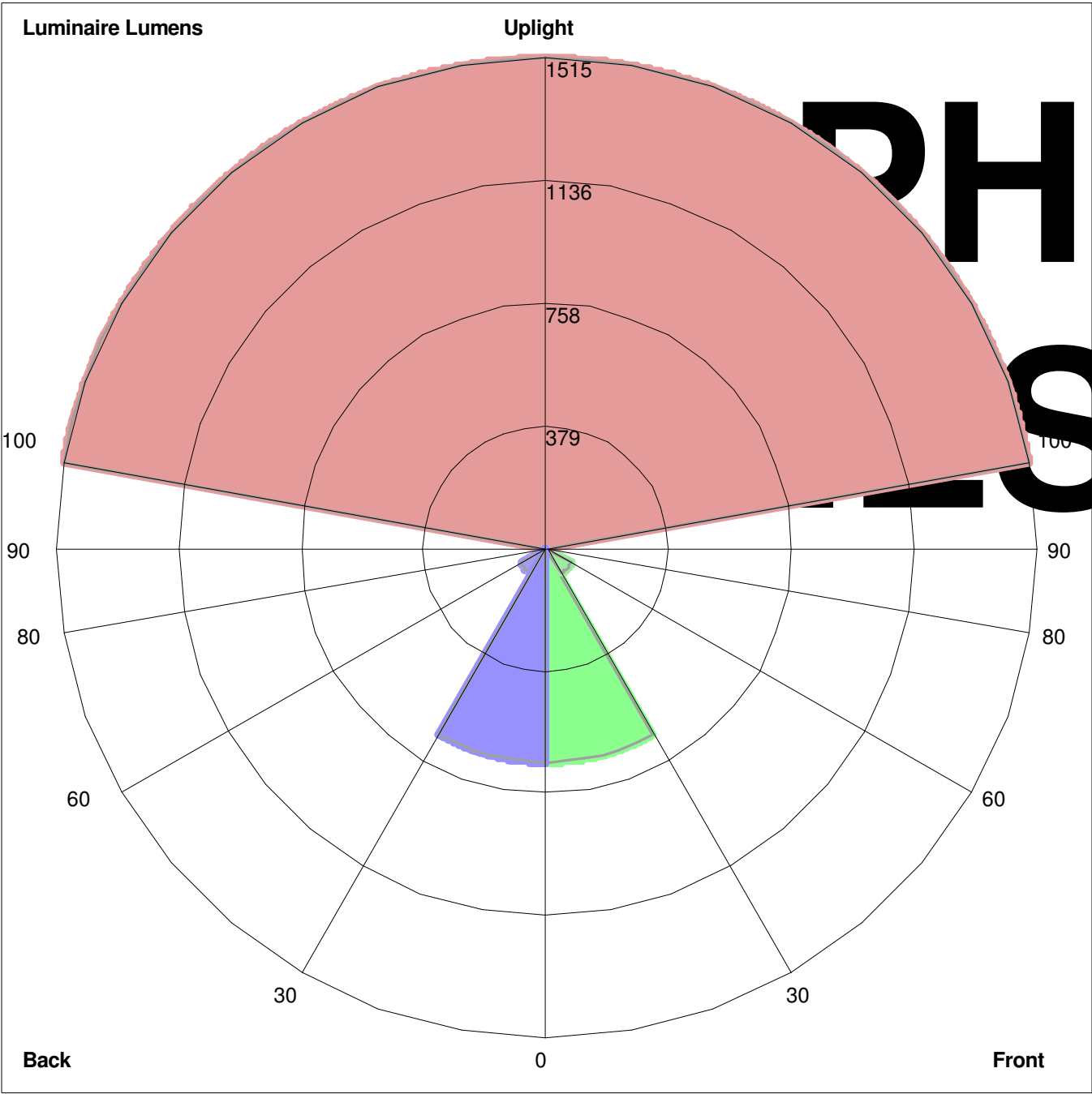
Maximum Candela = 4210.055 Located At Horizontal Angle = 360, Vertical Angle = 0

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**