

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-927U-L10-927D-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-L10-927U-L10-927D-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	2159
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4691.044
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4691.044
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.096 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.258 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-927U-L10-927D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	488.6	N.A.	22.6
FM - Front-Medium (30-60)	49.7	N.A.	2.3
FH - Front-High (60-80)	1.4	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	488.6	N.A.	22.6
BM - Back-Medium (30-60)	49.7	N.A.	2.3
BH - Back-High (60-80)	1.4	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)	1079.5	N.A.	50.0
Total	2159.3	N.A.	100.0
BUG Rating	B1-U5-G0		

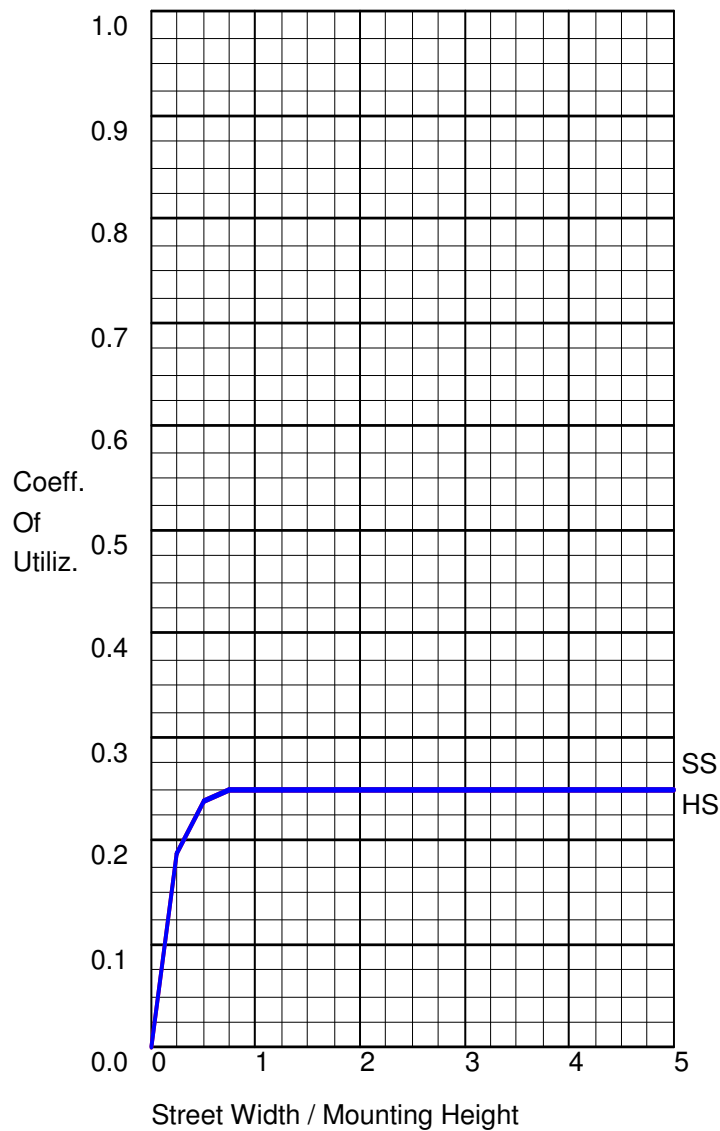
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CANDELA TABULATION

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	4691.044	4691.044	4691.044	4691.044	4691.044	4691.044	4691.044	4691.044	4691.044
5	4164.558	4159.549	4175.271	4159.549	4164.558	4159.549	4175.271	4159.549	4164.558
10	2587.434	2630.994	2628.177	2630.994	2587.434	2630.994	2628.177	2630.994	2587.434
15	1296.185	1344.232	1336.540	1344.232	1296.185	1344.232	1336.540	1344.232	1296.185
20	714.634	735.465	734.220	735.465	714.634	735.465	734.220	735.465	714.634
25	475.525	480.537	474.816	480.537	475.525	480.537	474.816	480.537	475.525
30	296.514	295.327	295.939	295.327	296.514	295.327	295.939	295.327	296.514
35	113.753	116.529	126.241	116.529	113.753	116.529	126.241	116.529	113.753
40	25.609	28.455	31.509	28.455	25.609	28.455	31.509	28.455	25.609
45	8.742	9.867	10.655	9.867	8.742	9.867	10.655	9.867	8.742
50	5.332	5.848	5.924	5.848	5.332	5.848	5.924	5.848	5.332
55	3.843	4.104	3.888	4.104	3.843	4.104	3.888	4.104	3.843
60	2.910	3.000	2.773	3.000	2.910	3.000	2.773	3.000	2.910
65	2.061	2.112	1.916	2.112	2.061	2.112	1.916	2.112	2.061
70	1.335	1.383	1.187	1.383	1.335	1.383	1.187	1.383	1.335
75	0.719	0.733	0.575	0.733	0.719	0.733	0.575	0.733	0.719
80	0.258	0.255	0.244	0.255	0.258	0.255	0.244	0.255	0.258
85	0.186	0.189	0.175	0.189	0.186	0.189	0.175	0.189	0.186
90	0.096	0.089	0.083	0.089	0.096	0.089	0.083	0.089	0.096
95	0.186	0.189	0.175	0.189	0.186	0.189	0.175	0.189	0.186
100	0.258	0.255	0.244	0.255	0.258	0.255	0.244	0.255	0.258
105	0.719	0.733	0.575	0.733	0.719	0.733	0.575	0.733	0.719
110	1.335	1.383	1.187	1.383	1.335	1.383	1.187	1.383	1.335
115	2.061	2.112	1.916	2.112	2.061	2.112	1.916	2.112	2.061
120	2.910	3.000	2.773	3.000	2.910	3.000	2.773	3.000	2.910
125	3.843	4.104	3.888	4.104	3.843	4.104	3.888	4.104	3.843
130	5.332	5.848	5.924	5.848	5.332	5.848	5.924	5.848	5.332
135	8.742	9.867	10.655	9.867	8.742	9.867	10.655	9.867	8.742
140	25.609	28.455	31.509	28.455	25.609	28.455	31.509	28.455	25.609
145	113.753	116.529	126.241	116.529	113.753	116.529	126.241	116.529	113.753
150	296.514	295.327	295.939	295.327	296.514	295.327	295.939	295.327	296.514
155	475.525	480.537	474.816	480.537	475.525	480.537	474.816	480.537	475.525
160	714.634	735.465	734.220	735.465	714.634	735.465	734.220	735.465	714.634
165	1296.185	1344.232	1336.540	1344.232	1296.185	1344.232	1336.540	1344.232	1296.185
170	2587.434	2630.994	2628.177	2630.994	2587.434	2630.994	2628.177	2630.994	2587.434
175	4164.558	4159.549	4175.271	4159.549	4164.558	4159.549	4175.271	4159.549	4164.558
180	4690.814	4690.814	4690.814	4690.814	4690.814	4690.814	4690.814	4690.814	4690.814

COEFFICIENTS OF UTILIZATION



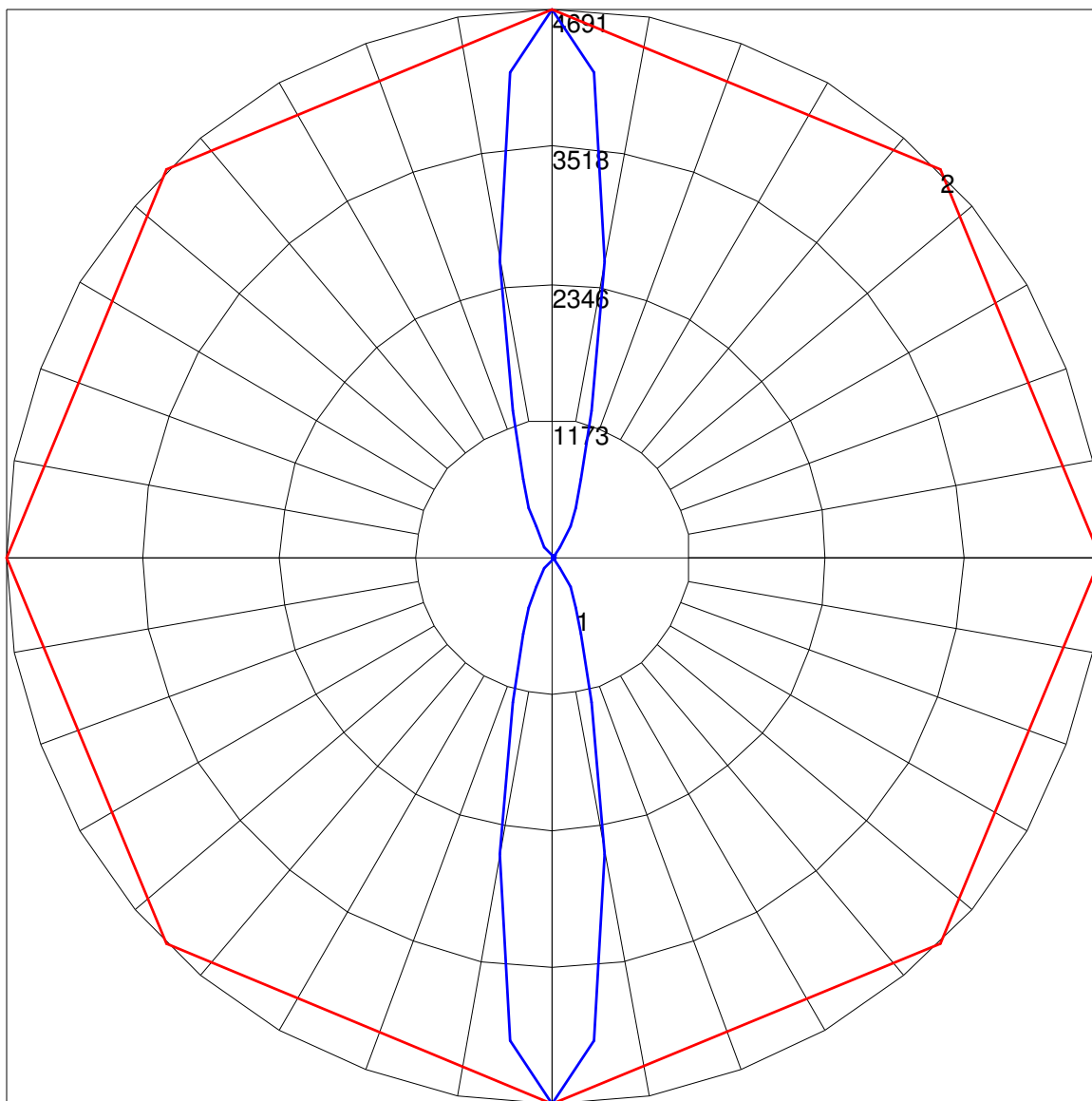
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	539.8	25.0
Downward House Side	539.8	25.0
Downward Total	1079.6	50.0
Upward Street Side	539.8	25.0
Upward House Side	539.8	25.0
Upward Total	1079.6	50.0
Total Flux	2159.2	100.0

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POLAR GRAPH

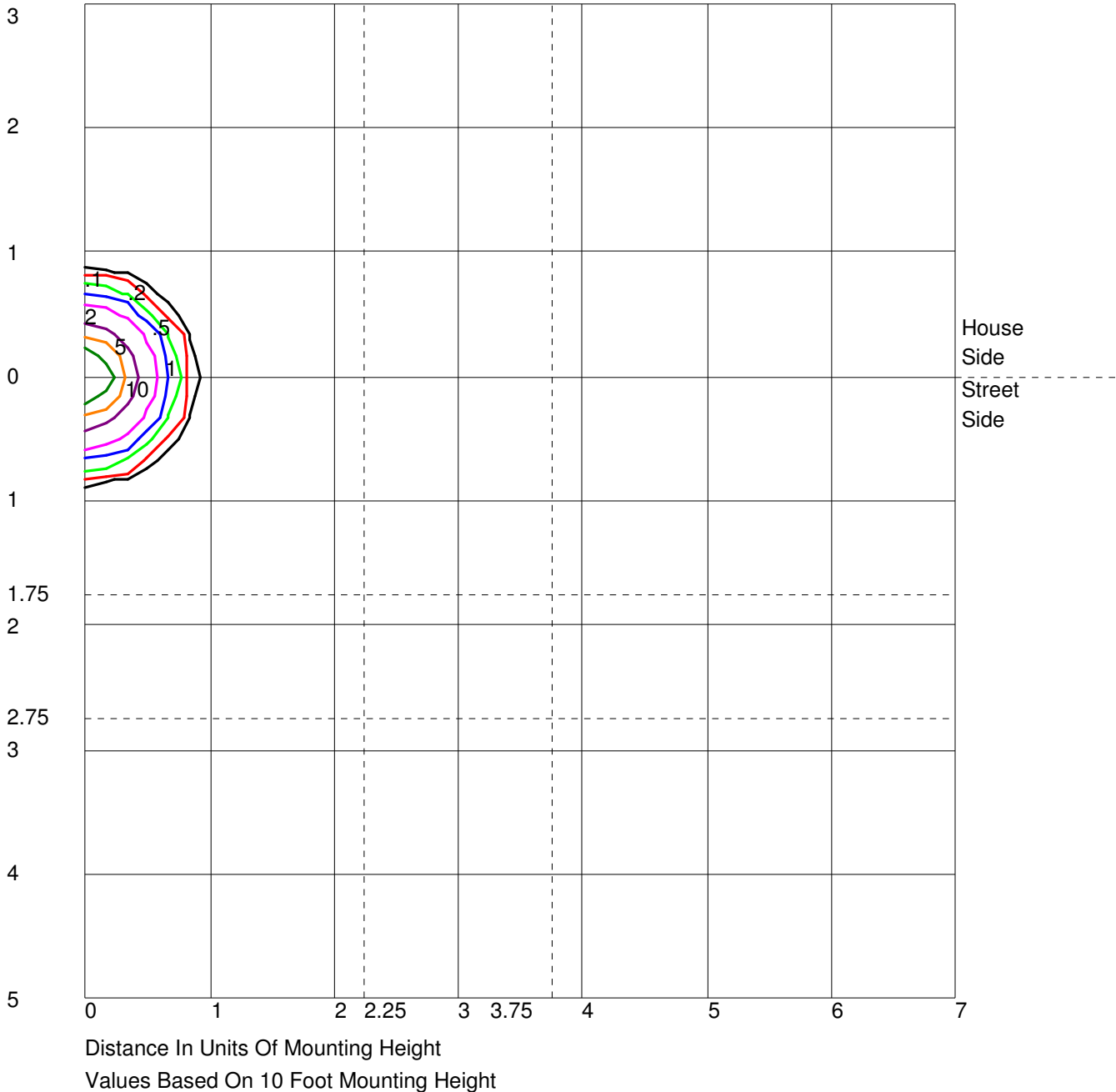


Maximum Candela = 4691.044 Located At Horizontal Angle = 360, Vertical Angle = 0

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



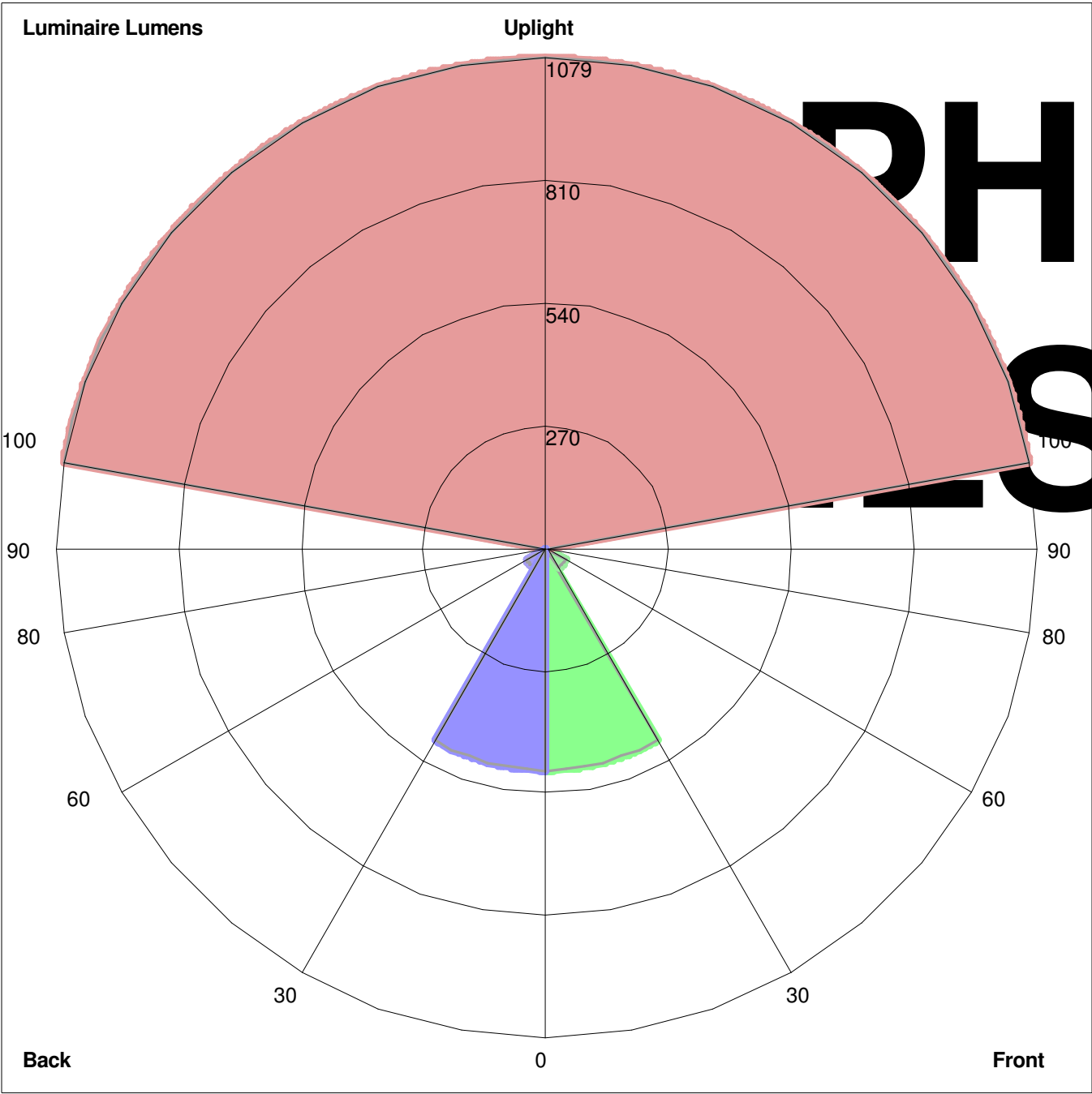


PHOTO
LUMENS