

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1503488

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

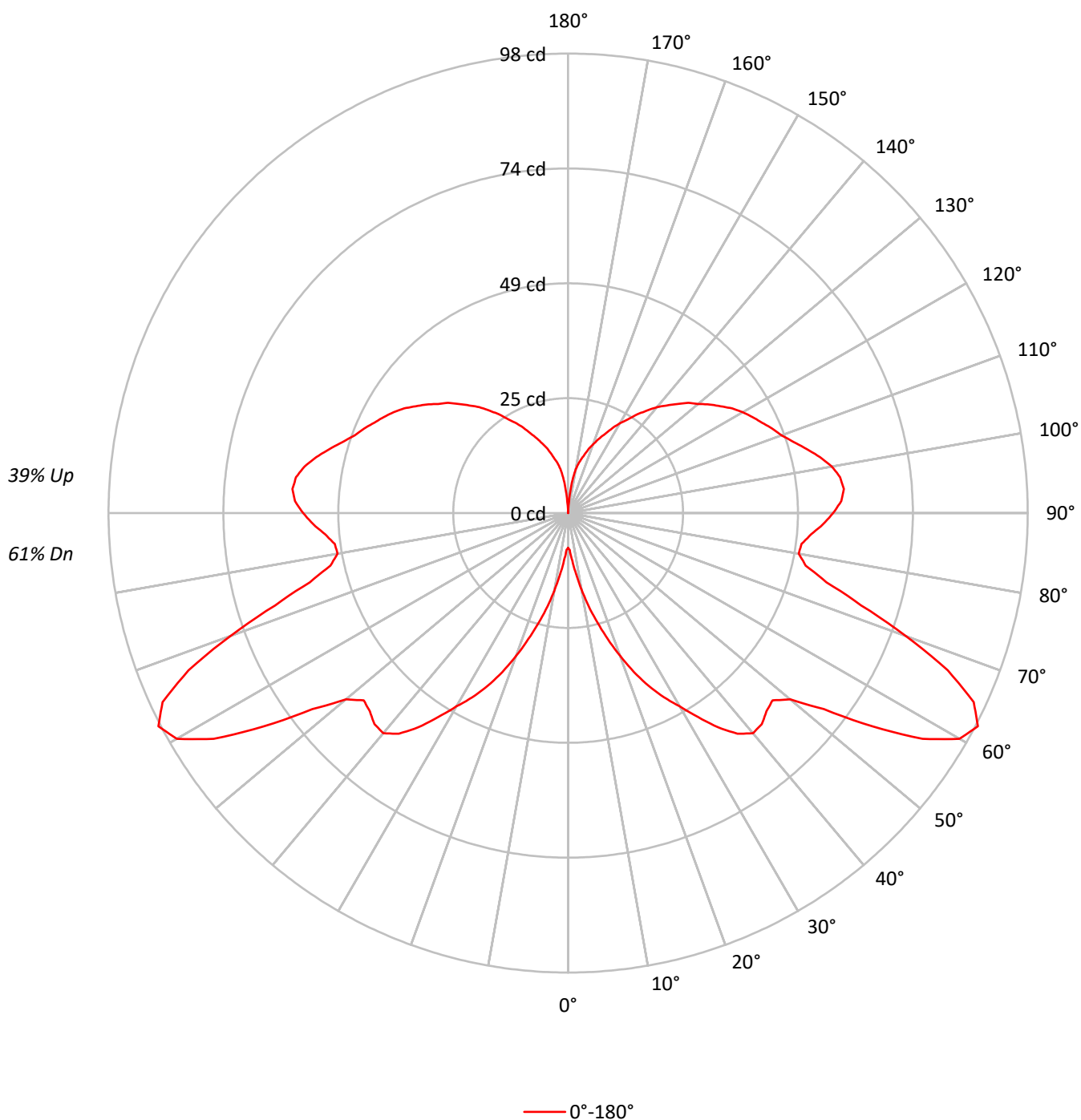
Lumens per Lamp: N/A
Luminaire Lumens: 646.5 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 10.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61		
1	95	89	83	78	88	82	77	73	71	67	63	60	57	54	50	48	46	41		
2	84	74	66	59	78	69	61	55	59	53	48	49	45	41	41	37	34	29		
3	75	63	53	46	69	58	50	43	50	43	37	41	36	31	34	30	26	22		
4	68	54	44	37	62	50	41	34	43	35	29	35	30	25	29	24	20	17		
5	61	47	37	30	56	44	35	28	37	30	24	31	25	20	25	20	16	13		
6	56	42	32	25	51	39	30	23	33	25	20	27	21	17	22	17	14	11		
7	51	37	28	21	47	34	26	20	29	22	17	24	18	14	20	15	11	9		
8	47	33	24	18	44	31	23	17	26	19	14	22	16	12	18	13	10	7		
9	44	30	21	16	41	28	20	15	24	17	12	20	14	10	16	12	8	6		
10	41	27	19	14	38	25	18	13	22	15	11	18	13	9	15	10	7	5		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	410
5°	550
10°	880
15°	1270
20°	1696
25°	2142
30°	2537
35°	3036
40°	3434
45°	3479
50°	3769
55°	5129
60°	6667
65°	7173
70°	6355
75°	5319
80°	5367
85°	6661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 9029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.2
10°-20°	7.1	1.1
20°-30°	18.9	2.9
30°-40°	34.9	5.4
40°-50°	46.8	7.2
50°-60°	71.4	11.0
60°-70°	91.2	14.1
70°-80°	62.7	9.7
80°-90°	57.2	8.9
90°-100°	63.4	9.8
100°-110°	55.8	8.6
110°-120°	45.4	7.0
120°-130°	35.7	5.5
130°-140°	25.6	4.0
140°-150°	16.2	2.5
150°-160°	8.8	1.4
160°-170°	3.7	0.6
170°-180°	0.6	0.1
0°-30°	27.2	4.2
0°-40°	62.1	9.6
0°-60°	180.2	27.9
0°-90°	391.4	60.5
90°-120°	164.6	25.5
90°-150°	242.1	37.4
90°-180°	255.0	39.4
0°-180°	646.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7	
5°	10	1
15°	24	7
25°	41	19
35°	56	35
45°	60	47
55°	79	71
65°	95	91
75°	57	63
85°	52	42
90°	56	31
95°	59	48
105°	53	56
115°	46	45
125°	40	36
135°	33	26
145°	26	16
155°	19	9
165°	12	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7.4
2.5°	7.9
5°	10.2
7.5°	13.2
10°	16.6
12.5°	20.4
15°	24.2
17.5°	28.2
20°	32.4
22.5°	36.7
25°	40.7
27.5°	44.3
30°	47.6
32.5°	51.6
35°	55.8
37.5°	59.3
40°	61.3
42.5°	61.1
45°	59.8
47.5°	59.1
50°	61.8
52.5°	68.7
55°	79.4
57.5°	89.6
60°	96.3
62.5°	98.5
65°	95.4
67.5°	87.6
70°	76.6
72.5°	65.5
75°	57.0
77.5°	51.9
80°	49.9
82.5°	50.2
85°	52.0
87.5°	54.4
90°	56.5
92.5°	58.3
95°	59.0
97.5°	58.5
100°	57.1
102.5°	55.0
105°	52.7
107.5°	50.4
110°	48.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.1
115°	45.6
117.5°	44.3
120°	43.0
122.5°	41.5
125°	39.7
127.5°	38.0
130°	36.2
132.5°	34.8
135°	32.9
137.5°	31.1
140°	29.5
142.5°	27.5
145°	25.7
147.5°	23.7
150°	22.1
152.5°	20.4
155°	18.6
157.5°	17.1
160°	15.6
162.5°	14.2
165°	12.5
167.5°	11.2
170°	9.6
172.5°	7.2
175°	4.0
177.5°	0.0
180°	0.0

(END OF REPORT)