

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: P1503494

Luminaire Tested: PRLX-SM4-01-LS-FS-010-XXXX-CLER-VF (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503494
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 (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, CLEAR LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

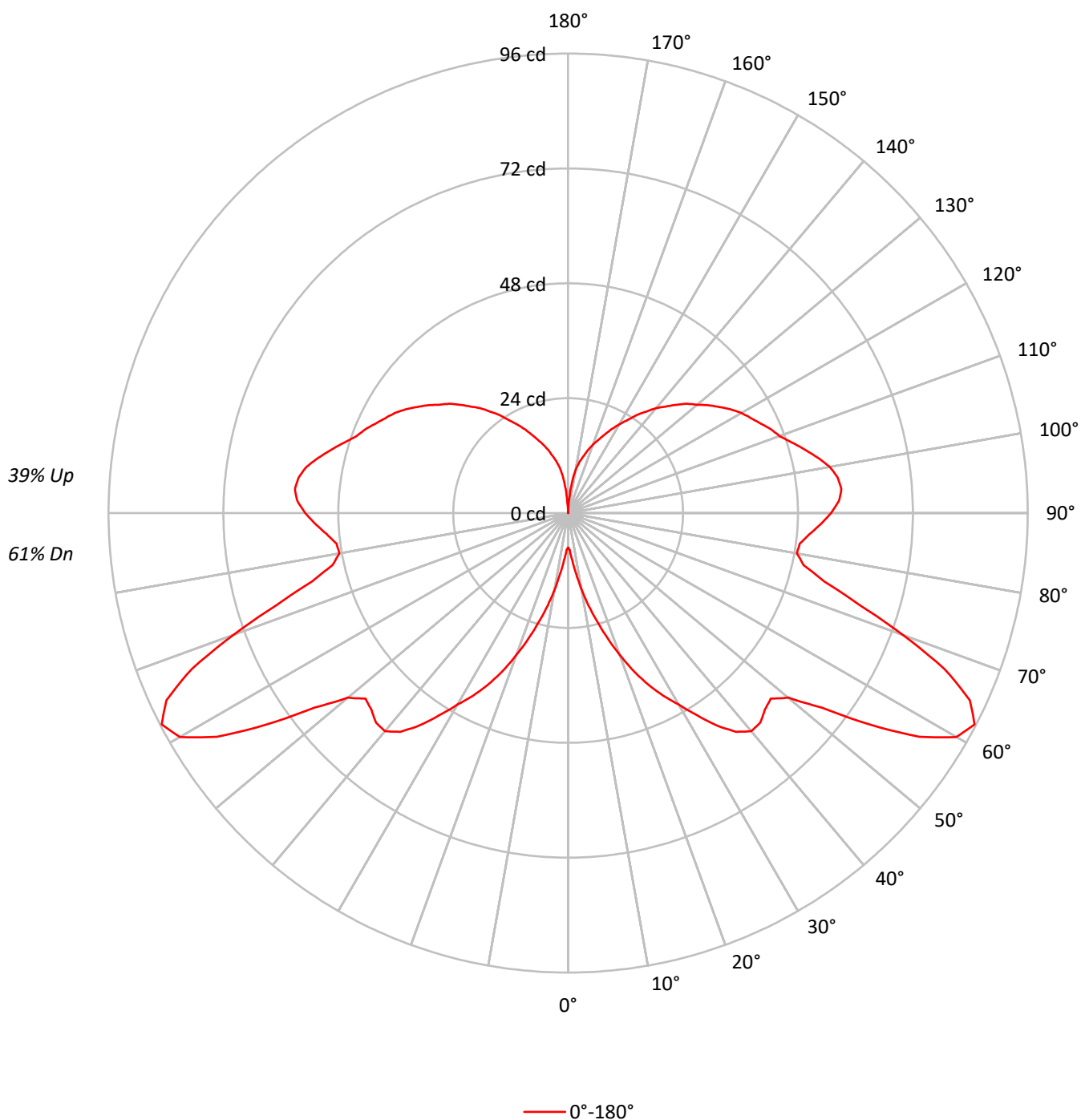
Lumens per Lamp: N/A
Luminaire Lumens: 628.0 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 5.22 / 5.22 / 4.44
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: Semi-Direct

Input Watts (W): 10.8
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°	399
5°	534
10°	859
15°	1233
20°	1649
25°	2078
30°	2462
35°	2949
40°	3333
45°	3380
50°	3659
55°	4981
60°	6480
65°	6962
70°	6172
75°	5170
80°	5217
85°	6481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 8773 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.2
10°-20°	6.9	1.1
20°-30°	18.4	2.9
30°-40°	33.9	5.4
40°-50°	45.4	7.2
50°-60°	69.3	11.0
60°-70°	88.6	14.1
70°-80°	61.0	9.7
80°-90°	55.6	8.9
90°-100°	61.6	9.8
100°-110°	54.2	8.6
110°-120°	44.1	7.0
120°-130°	34.7	5.5
130°-140°	24.8	4.0
140°-150°	15.7	2.5
150°-160°	8.5	1.4
160°-170°	3.6	0.6
170°-180°	0.5	0.1
0°-30°	26.4	4.2
0°-40°	60.3	9.6
0°-60°	175.1	27.9
0°-90°	380.2	60.5
90°-120°	159.9	25.5
90°-150°	235.2	37.4
90°-180°	248.0	39.5
0°-180°	628.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7	
5°	10	1
15°	24	7
25°	40	18
35°	54	34
45°	58	45
55°	77	69
65°	93	89
75°	55	61
85°	51	41
90°	55	30
95°	57	46
105°	51	54
115°	44	44
125°	39	35
135°	32	25
145°	25	16
155°	18	9
165°	12	4
175°	4	1
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7.2
2.5°	7.7
5°	9.9
7.5°	12.8
10°	16.2
12.5°	19.8
15°	23.5
17.5°	27.4
20°	31.5
22.5°	35.7
25°	39.5
27.5°	43.0
30°	46.2
32.5°	50.1
35°	54.2
37.5°	57.6
40°	59.5
42.5°	59.4
45°	58.1
47.5°	57.4
50°	60.0
52.5°	66.7
55°	77.1
57.5°	87.0
60°	93.6
62.5°	95.7
65°	92.6
67.5°	85.1
70°	74.4
72.5°	63.7
75°	55.4
77.5°	50.4
80°	48.5
82.5°	48.8
85°	50.6
87.5°	52.8
90°	54.9
92.5°	56.6
95°	57.3
97.5°	56.8
100°	55.5
102.5°	53.4
105°	51.2
107.5°	49.0
110°	47.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.8
115°	44.3
117.5°	43.0
120°	41.8
122.5°	40.3
125°	38.6
127.5°	37.0
130°	35.2
132.5°	33.8
135°	32.0
137.5°	30.2
140°	28.6
142.5°	26.7
145°	25.0
147.5°	23.0
150°	21.4
152.5°	19.8
155°	18.1
157.5°	16.6
160°	15.2
162.5°	13.8
165°	12.2
167.5°	10.9
170°	9.3
172.5°	7.0
175°	3.8
177.5°	0.0
180°	0.0

(END OF REPORT)