

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: P1503509

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-2)
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-DIFF-VF (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, ROUND, DIFFUSE LENS
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

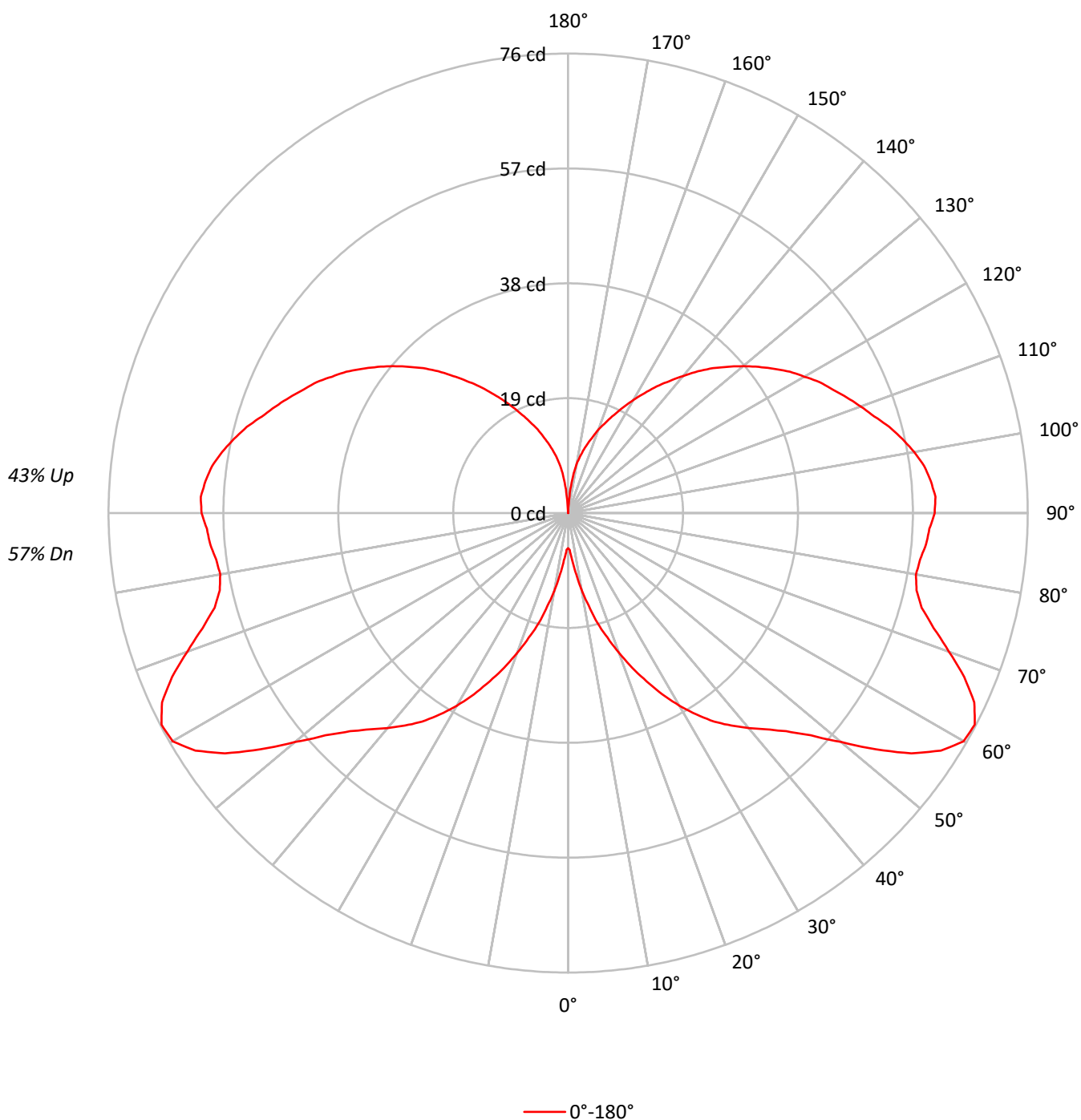
Lumens per Lamp: N/A
Luminaire Lumens: 614.5 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 5.35 / 5.35 / 4.75
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.14')
CIE Type: General Diffuse

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

TEST NUMBER: P1503509

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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	
RCR																						
0	109	109	109	109		101	101	101	101		87	87	87		74	74	74		63	63	63	
1	94	87	81	75		86	80	75	70		68	64	60		57	54	51		47	44	42	
2	83	73	64	57		76	67	59	53		56	50	45		46	42	38		37	34	31	
3	74	62	52	44		68	57	48	41		47	41	35		39	34	29		31	27	23	
4	67	53	43	36		61	49	40	33		41	34	28		33	28	23		26	22	18	
5	61	46	36	29		55	43	34	27		36	28	23		29	23	19		23	18	15	
6	55	41	31	24		51	38	29	22		31	24	19		26	20	15		20	16	12	
7	51	36	27	21		46	34	25	19		28	21	16		23	17	13		18	14	10	
8	47	33	24	18		43	30	22	16		25	19	14		21	15	11		16	12	9	
9	44	30	21	15		40	27	19	14		23	16	12		19	13	10		15	11	7	
10	40	27	19	13		37	25	17	12		21	15	10		17	12	8		14	9	6	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	321
5°	421
10°	689
15°	992
20°	1288
25°	1615
30°	1961
35°	2291
40°	2599
45°	2967
50°	3592
55°	4477
60°	5227
65°	5571
70°	5558
75°	5645
80°	6281
85°	7608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 9684 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.1
10°-20°	5.5	0.9
20°-30°	14.4	2.3
30°-40°	26.4	4.3
40°-50°	40.1	6.5
50°-60°	61.6	10.0
60°-70°	72.4	11.8
70°-80°	64.9	10.6
80°-90°	64.8	10.5
90°-100°	65.4	10.6
100°-110°	58.1	9.5
110°-120°	48.0	7.8
120°-130°	37.4	6.1
130°-140°	26.3	4.3
140°-150°	16.1	2.6
150°-160°	8.4	1.4
160°-170°	3.3	0.5
170°-180°	0.5	0.1
0°-30°	20.8	3.4
0°-40°	47.2	7.7
0°-60°	148.9	24.2
0°-90°	351.0	57.1
90°-120°	171.5	27.9
90°-150°	251.3	40.9
90°-180°	264.0	43.0
0°-180°	614.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6	
5°	8	1
15°	19	5
25°	31	14
35°	42	26
45°	51	40
55°	69	62
65°	74	72
75°	60	65
85°	59	48
90°	61	33
95°	60	49
105°	55	58
115°	48	48
125°	42	37
135°	34	26
145°	26	16
155°	18	8
165°	12	3
175°	3	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5.8
2.5°	6.1
5°	7.8
7.5°	10.2
10°	13.0
12.5°	15.7
15°	18.9
17.5°	21.6
20°	24.6
22.5°	27.7
25°	30.7
27.5°	33.8
30°	36.8
32.5°	39.5
35°	42.1
37.5°	44.3
40°	46.4
42.5°	48.5
45°	51.0
47.5°	54.4
50°	58.9
52.5°	64.2
55°	69.3
57.5°	73.1
60°	75.5
62.5°	75.8
65°	74.1
67.5°	70.9
70°	67.0
72.5°	63.4
75°	60.5
77.5°	59.0
80°	58.4
82.5°	58.7
85°	59.4
87.5°	59.8
90°	60.6
92.5°	60.8
95°	60.2
97.5°	59.4
100°	58.1
102.5°	56.6
105°	55.0
107.5°	53.1
110°	51.5

TEST NUMBER: P1503509

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.9
115°	48.3
117.5°	46.9
120°	45.1
122.5°	43.5
125°	41.6
127.5°	39.7
130°	37.8
132.5°	35.8
135°	33.9
137.5°	31.8
140°	29.6
142.5°	27.5
145°	25.6
147.5°	23.5
150°	21.6
152.5°	19.7
155°	17.9
157.5°	16.2
160°	14.7
162.5°	13.0
165°	11.5
167.5°	9.9
170°	8.3
172.5°	6.2
175°	3.4
177.5°	0.2
180°	0.0

(END OF REPORT)