

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: P1503612

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (3000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (3000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

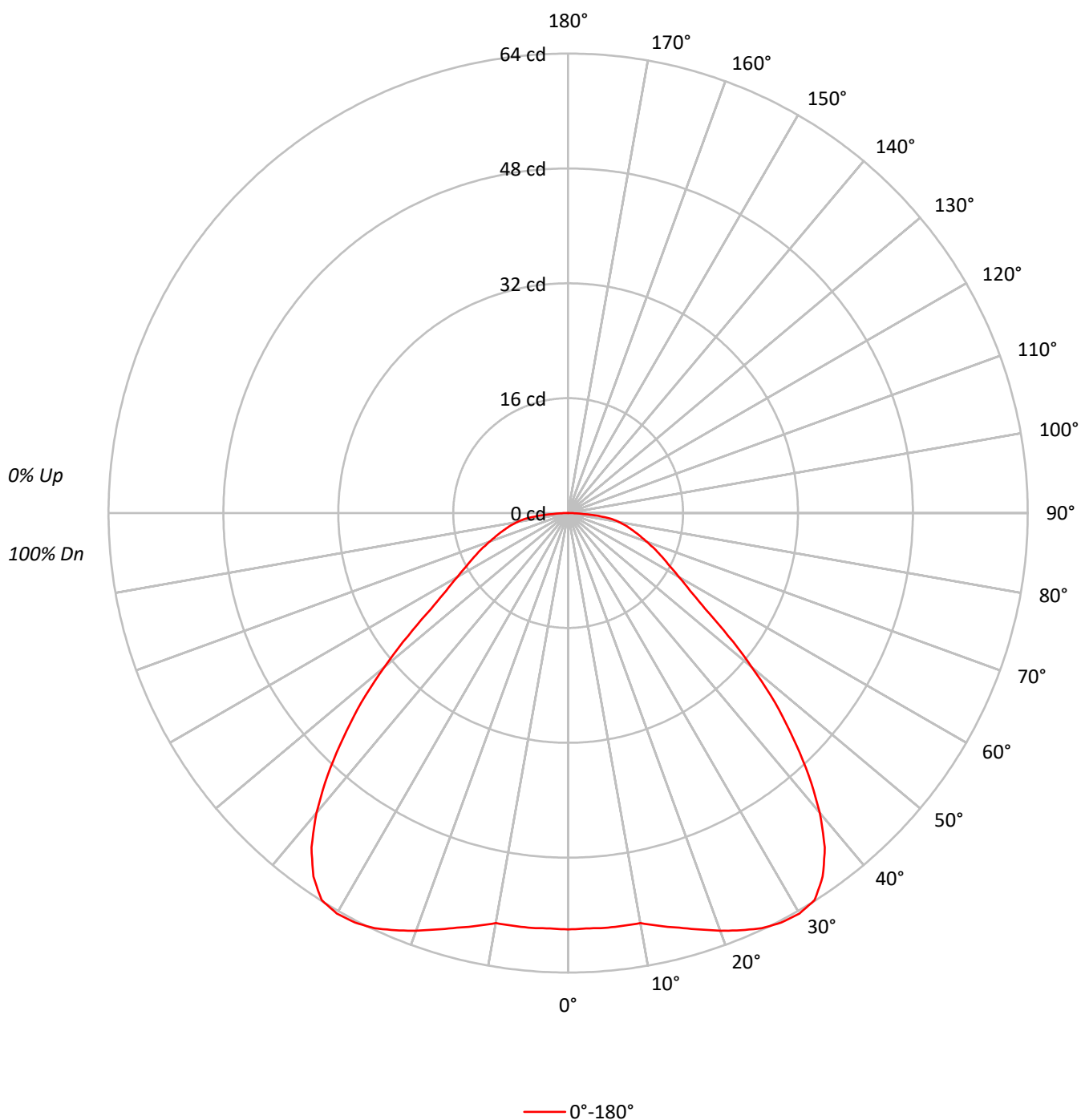
Lumens per Lamp: N/A
Luminaire Lumens: 174.0 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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: P1503612

CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (3000K-650LM)

Luminous Intensity Polar Plot



TEST NUMBER: P1503612

CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (3000K-650LM)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		85
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72		72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62		62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53		53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47		47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	44	53	48	43	41		41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	37		37
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35	33		33
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29		29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27		27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1789
5°	1795
10°	1816
15°	1909
20°	2031
25°	2171
30°	2293
35°	2326
40°	2194
45°	1932
50°	1602
55°	1253
60°	1098
65°	1051
70°	1046
75°	1108
80°	1279
85°	1344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1932 cd/sqm

TEST NUMBER: P1503612

CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (3000K-650LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	3.2
10°-20°	17.0	9.8
20°-30°	29.4	16.9
30°-40°	38.2	21.9
40°-50°	34.0	19.6
50°-60°	21.6	12.4
60°-70°	14.4	8.2
70°-80°	9.9	5.7
80°-90°	3.9	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	52.0	29.9
0°-40°	90.2	51.8
0°-60°	145.9	83.8
0°-90°	174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	174.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	58	
5°	58	6
15°	60	17
25°	64	29
35°	62	38
45°	44	34
55°	23	22
65°	14	14
75°	9	10
85°	4	4
90°	0	

TEST NUMBER: P1503612

CATALOG NUMBER: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (3000K-650LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	58.0
2.5°	57.9
5°	58.0
7.5°	58.0
10°	58.0
12.5°	58.9
15°	59.8
17.5°	60.8
20°	61.9
22.5°	62.9
25°	63.8
27.5°	64.3
30°	64.4
32.5°	63.9
35°	61.8
37.5°	58.7
40°	54.5
42.5°	49.6
45°	44.3
47.5°	39.1
50°	33.4
52.5°	28.1
55°	23.3
57.5°	20.1
60°	17.8
62.5°	15.9
65°	14.4
67.5°	13.0
70°	11.6
72.5°	10.4
75°	9.3
77.5°	8.3
80°	7.2
82.5°	6.0
85°	3.8
87.5°	1.1
90°	0.0

(END OF REPORT)