

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: P1503663

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-WHTE-XX (4000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503663
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-D2W-XXXX-WHITE-XX (4000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

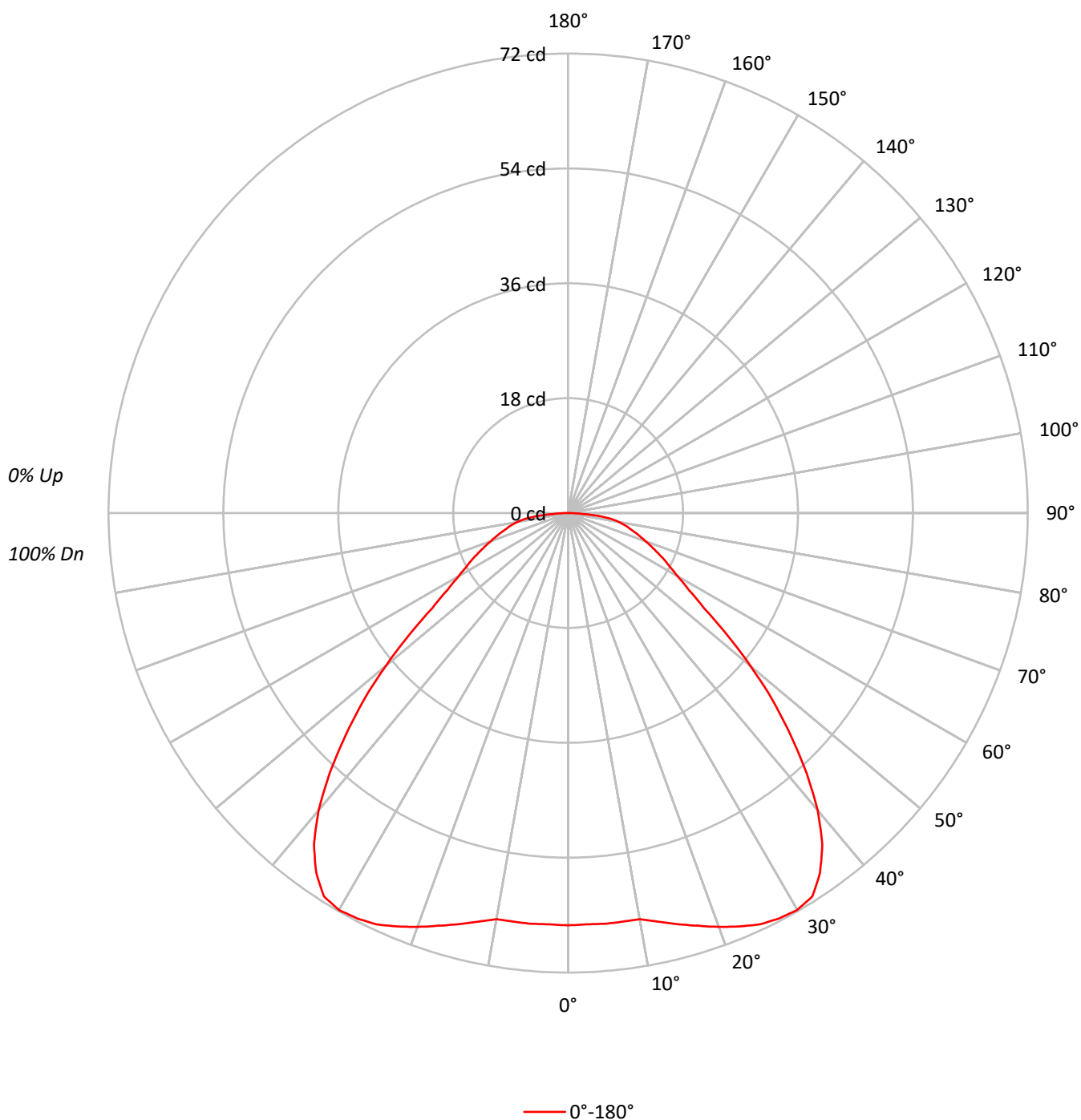
Lumens per Lamp: N/A
Luminaire Lumens: 194.0 lumens
Efficiency: N/A
Efficacy: 28.1 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	37			
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	34	33			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1992
5°	2000
10°	2023
15°	2129
20°	2264
25°	2419
30°	2557
35°	2590
40°	2447
45°	2150
50°	1789
55°	1398
60°	1221
65°	1175
70°	1163
75°	1227
80°	1438
85°	1486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	3.2
10°-20°	19.0	9.8
20°-30°	32.8	16.9
30°-40°	42.5	21.9
40°-50°	37.9	19.6
50°-60°	24.1	12.5
60°-70°	16.0	8.2
70°-80°	11.0	5.7
80°-90°	4.4	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°	58.0	29.9
0°-40°	100.5	51.8
0°-60°	162.6	83.8
0°-90°	194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	194.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	65	
5°	65	6
15°	67	19
25°	71	33
35°	69	43
45°	49	38
55°	26	24
65°	16	16
75°	10	11
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	64.6
2.5°	64.5
5°	64.6
7.5°	64.6
10°	64.6
12.5°	65.6
15°	66.7
17.5°	67.8
20°	69.0
22.5°	70.1
25°	71.1
27.5°	71.6
30°	71.8
32.5°	71.2
35°	68.8
37.5°	65.4
40°	60.8
42.5°	55.3
45°	49.3
47.5°	43.5
50°	37.3
52.5°	31.4
55°	26.0
57.5°	22.4
60°	19.8
62.5°	17.8
65°	16.1
67.5°	14.4
70°	12.9
72.5°	11.6
75°	10.3
77.5°	9.3
80°	8.1
82.5°	6.7
85°	4.2
87.5°	1.2
90°	0.0

(END OF REPORT)