

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: P1503644

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-BRSS-XX (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-6)
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-BRSS-XX (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

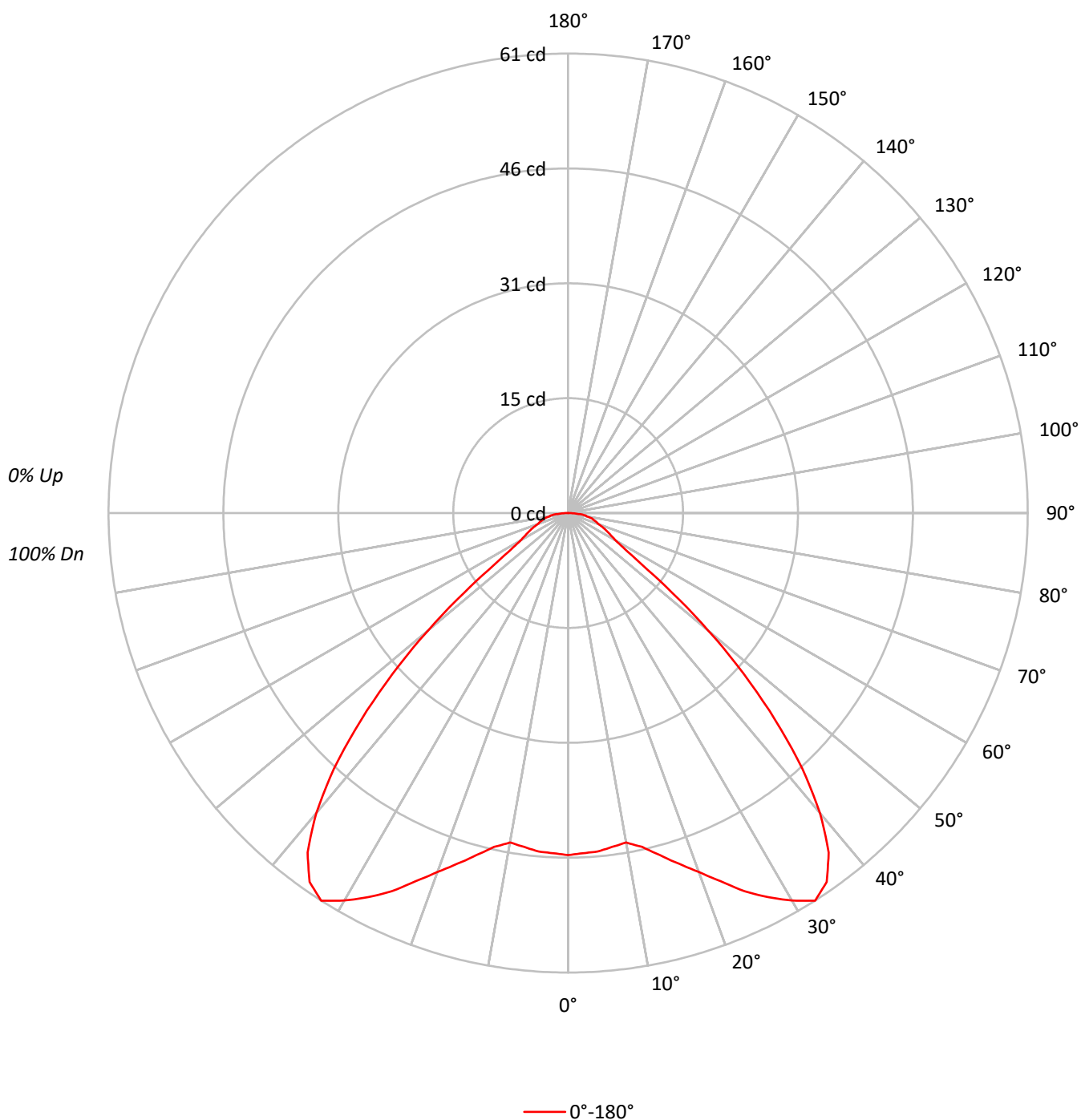
Lumens per Lamp: N/A
Luminaire Lumens: 132.4 lumens
Efficiency: N/A
Efficacy: 11.5 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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

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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	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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88								
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77								
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67								
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59								
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46								
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41								
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37								
9	61	48	40	35	59	48	40	35	47	40	35	45	39	35	44	39	35	33								
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	30								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1400
5°	1396
10°	1390
15°	1500
20°	1664
25°	1885
30°	2115
35°	2251
40°	2093
45°	1696
50°	1166
55°	640
60°	450
65°	416
70°	388
75°	417
80°	444
85°	495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1696 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	3.2
10°-20°	13.5	10.2
20°-30°	25.7	19.4
30°-40°	36.5	27.6
40°-50°	29.6	22.4
50°-60°	12.0	9.0
60°-70°	5.7	4.3
70°-80°	3.7	2.8
80°-90°	1.5	1.1
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°	43.4	32.8
0°-40°	80.0	60.4
0°-60°	121.6	91.8
0°-90°	132.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	132.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	45	
5°	45	4
15°	47	13
25°	55	26
35°	60	37
45°	39	30
55°	12	12
65°	6	6
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	45.4
2.5°	45.2
5°	45.1
7.5°	44.7
10°	44.4
12.5°	45.4
15°	47.0
17.5°	48.8
20°	50.7
22.5°	52.9
25°	55.4
27.5°	57.5
30°	59.4
32.5°	61.0
35°	59.8
37.5°	56.8
40°	52.0
42.5°	46.0
45°	38.9
47.5°	31.6
50°	24.3
52.5°	17.4
55°	11.9
57.5°	8.9
60°	7.3
62.5°	6.4
65°	5.7
67.5°	5.0
70°	4.3
72.5°	3.9
75°	3.5
77.5°	3.2
80°	2.5
82.5°	2.3
85°	1.4
87.5°	0.4
90°	0.0

(END OF REPORT)