

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: P1503590

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-BRNZ-XX (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-5)
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-BRNZ-XX (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

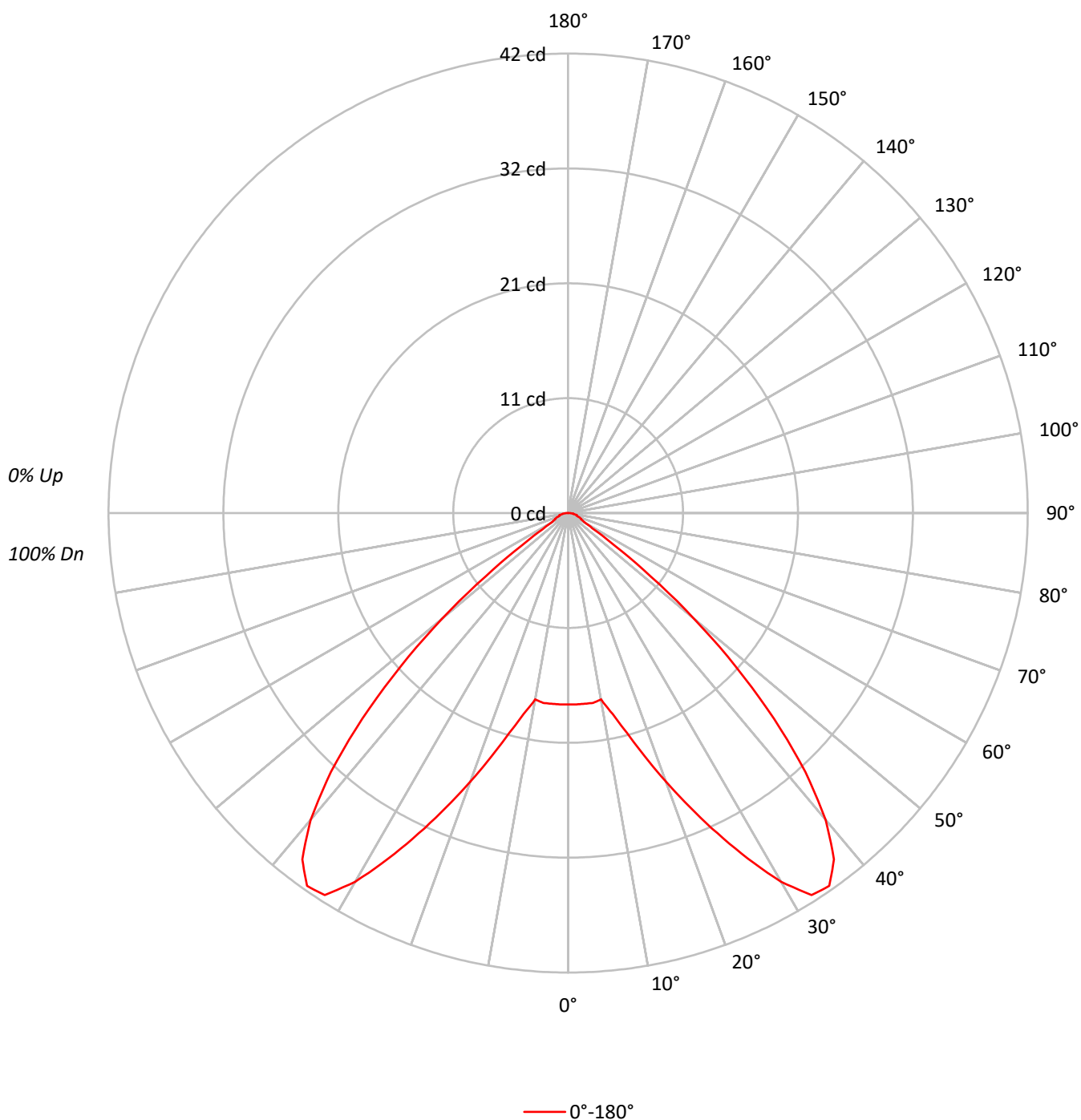
Lumens per Lamp: N/A
Luminaire Lumens: 76.5 lumens
Efficiency: N/A
Efficacy: 7.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 2.04 / 1.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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				0			
RW	70	50	30	10	70	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	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89						
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78						
3	96	87	80	75	94	86	79	74	83	77	73	80	76	72	78	74	71	69						
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60						
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53						
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47						
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	41						
8	65	53	45	39	64	52	44	39	51	44	39	50	43	39	48	43	39	37						
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33						
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	540
5°	542
10°	542
15°	664
20°	856
25°	1099
30°	1385
35°	1566
40°	1473
45°	1160
50°	720
55°	280
60°	111
65°	95
70°	90
75°	95
80°	89
85°	106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1160 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	2.2
10°-20°	6.1	8.0
20°-30°	15.2	19.8
30°-40°	25.2	32.9
40°-50°	20.2	26.3
50°-60°	5.7	7.4
60°-70°	1.3	1.7
70°-80°	0.8	1.1
80°-90°	0.3	0.4
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°	22.9	30.0
0°-40°	48.1	62.9
0°-60°	74.0	96.7
0°-90°	76.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	76.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18	
5°	18	2
15°	21	6
25°	32	15
35°	42	25
45°	27	20
55°	5	6
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17.5
2.5°	17.5
5°	17.5
7.5°	17.5
10°	17.3
12.5°	18.8
15°	20.8
17.5°	23.3
20°	26.1
22.5°	29.1
25°	32.3
27.5°	35.6
30°	38.9
32.5°	41.4
35°	41.6
37.5°	39.9
40°	36.6
42.5°	32.1
45°	26.6
47.5°	20.8
50°	15.0
52.5°	9.5
55°	5.2
57.5°	2.8
60°	1.8
62.5°	1.5
65°	1.3
67.5°	1.2
70°	1.0
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.5
82.5°	0.5
85°	0.3
87.5°	0.2
90°	0.0

(END OF REPORT)