

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: P1503635

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-BRNZ-XX (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503635
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-D2W-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 - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

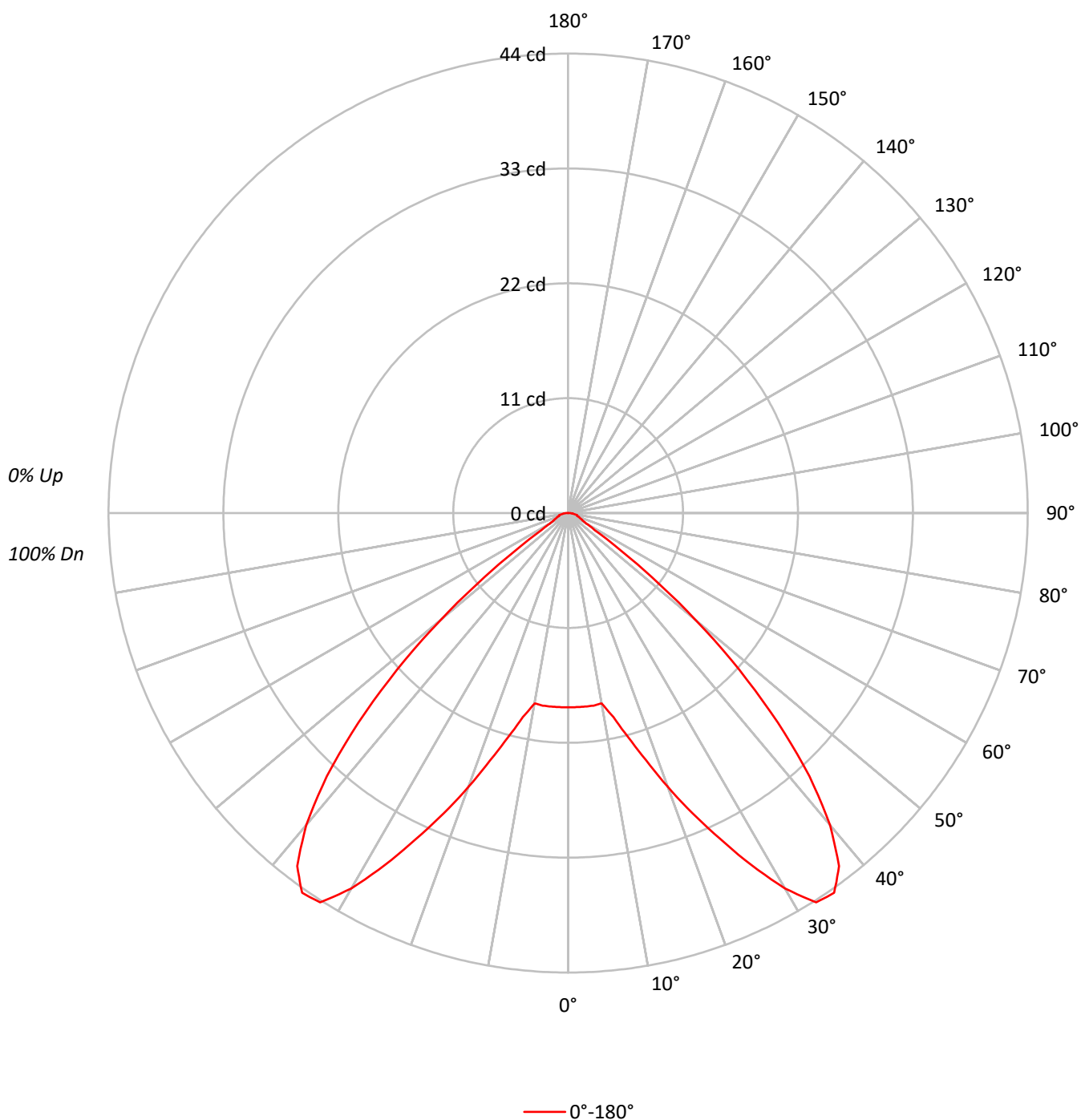
Lumens per Lamp: N/A
Luminaire Lumens: 81.7 lumens
Efficiency: N/A
Efficacy: 7.1 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 2.04 / 1.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	101	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	93	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	70	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	47	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	47	40	35	46	40	35	45	39	35	44	39	35	33			
10	57	44	36	31	55	44	36	31	43	36	31	42	35	31	41	35	31	29			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	574
5°	576
10°	579
15°	709
20°	916
25°	1170
30°	1478
35°	1671
40°	1570
45°	1238
50°	768
55°	296
60°	123
65°	102
70°	99
75°	107
80°	89
85°	142

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1238 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	2.2
10°-20°	6.5	8.0
20°-30°	16.2	19.8
30°-40°	26.9	32.9
40°-50°	21.5	26.3
50°-60°	6.1	7.4
60°-70°	1.4	1.7
70°-80°	0.9	1.1
80°-90°	0.4	0.5
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°	24.5	30.0
0°-40°	51.4	62.9
0°-60°	78.9	96.7
0°-90°	81.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	81.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19	
5°	19	2
15°	22	7
25°	34	16
35°	44	27
45°	28	21
55°	6	6
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18.6
2.5°	18.6
5°	18.6
7.5°	18.6
10°	18.5
12.5°	20.0
15°	22.2
17.5°	24.8
20°	27.9
22.5°	31.1
25°	34.4
27.5°	38.0
30°	41.5
32.5°	44.2
35°	44.4
37.5°	42.6
40°	39.0
42.5°	34.2
45°	28.4
47.5°	22.2
50°	16.0
52.5°	10.1
55°	5.5
57.5°	3.0
60°	2.0
62.5°	1.6
65°	1.4
67.5°	1.2
70°	1.1
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.5
82.5°	0.5
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)