

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: P1503652

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-BRSS-XX (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503652
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

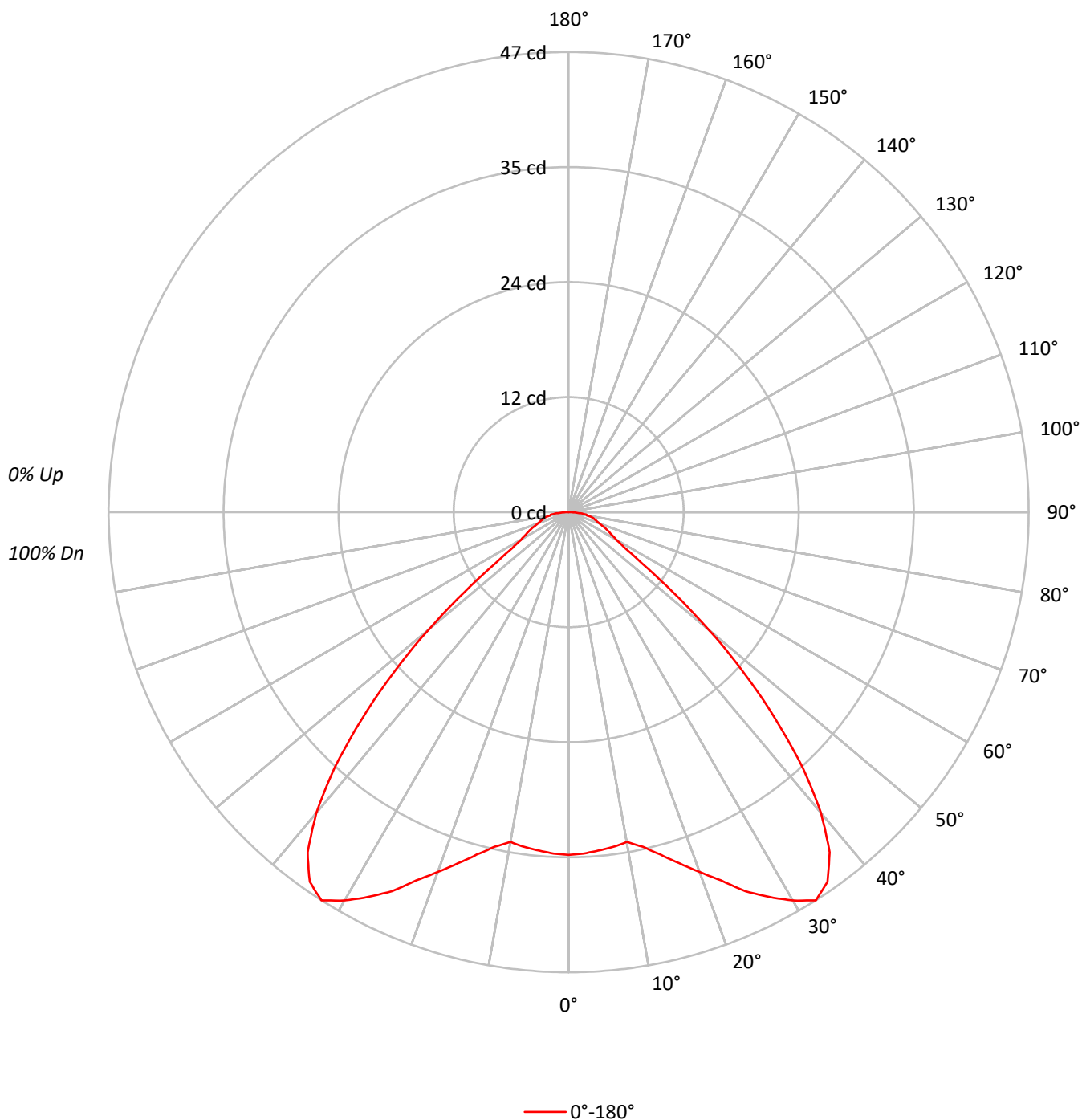
Lumens per Lamp: N/A
Luminaire Lumens: 102.0 lumens
Efficiency: N/A
Efficacy: 11.6 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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	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	64	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°	1079
5°	1074
10°	1071
15°	1156
20°	1283
25°	1453
30°	1631
35°	1735
40°	1614
45°	1304
50°	897
55°	495
60°	345
65°	321
70°	298
75°	322
80°	337
85°	389

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1304 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	3.2
10°-20°	10.4	10.2
20°-30°	19.8	19.4
30°-40°	28.2	27.6
40°-50°	22.8	22.4
50°-60°	9.2	9.0
60°-70°	4.3	4.3
70°-80°	2.9	2.8
80°-90°	1.1	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°	33.5	32.8
0°-40°	61.6	60.4
0°-60°	93.6	91.8
0°-90°	102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	102.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	35	
5°	35	3
15°	36	10
25°	43	20
35°	46	28
45°	30	23
55°	9	9
65°	4	4
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	35.0
2.5°	34.9
5°	34.7
7.5°	34.5
10°	34.2
12.5°	35.0
15°	36.2
17.5°	37.6
20°	39.1
22.5°	40.7
25°	42.7
27.5°	44.3
30°	45.8
32.5°	47.0
35°	46.1
37.5°	43.8
40°	40.1
42.5°	35.4
45°	29.9
47.5°	24.3
50°	18.7
52.5°	13.4
55°	9.2
57.5°	6.8
60°	5.6
62.5°	4.9
65°	4.4
67.5°	3.8
70°	3.3
72.5°	3.0
75°	2.7
77.5°	2.5
80°	1.9
82.5°	1.8
85°	1.1
87.5°	0.3
90°	0.0

(END OF REPORT)