

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: P1503651

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-BRSS-XX (5000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503651
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

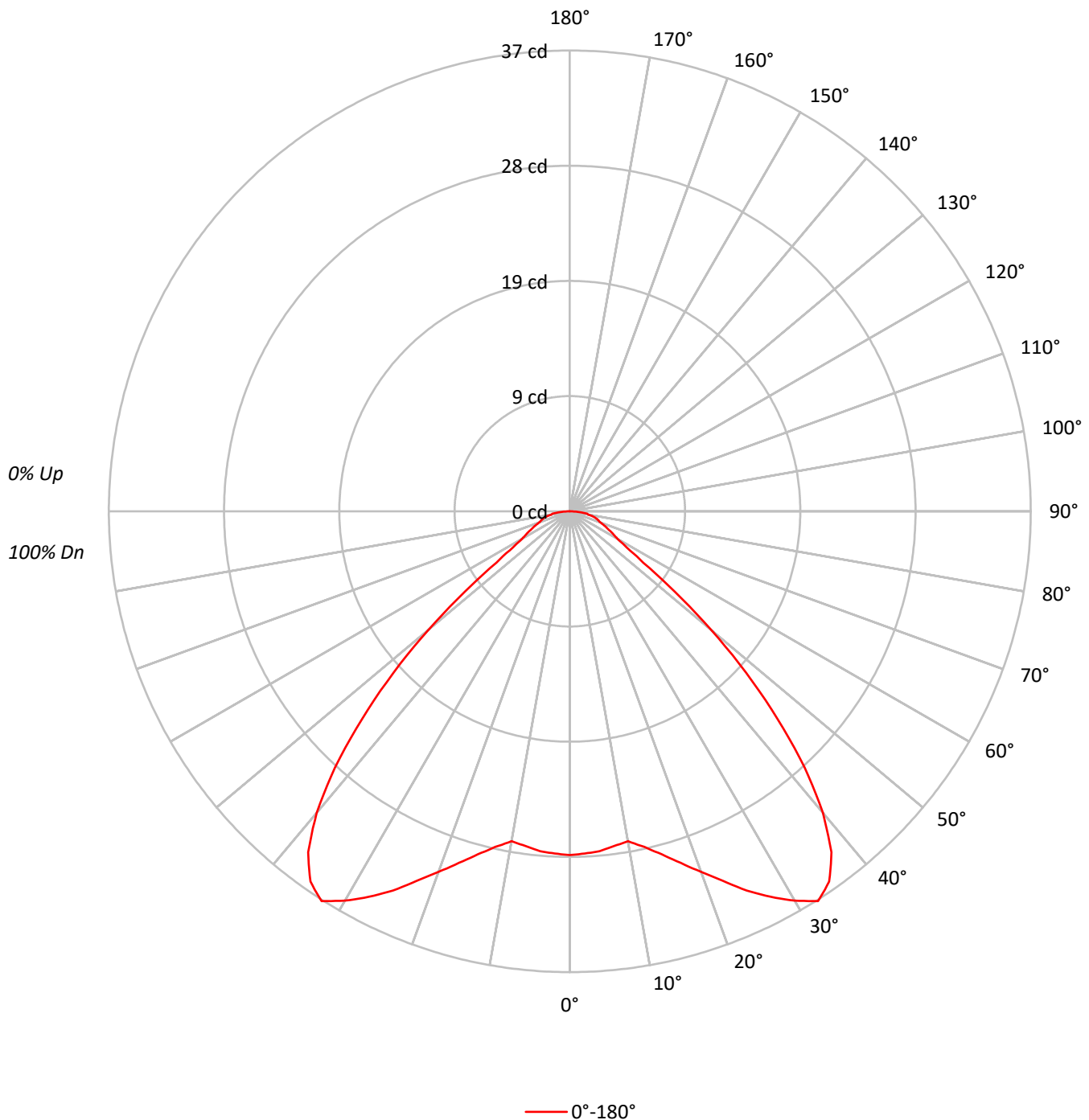
Lumens per Lamp: N/A
Luminaire Lumens: 80.4 lumens
Efficiency: N/A
Efficacy: 11.6 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	851
5°	848
10°	842
15°	910
20°	1011
25°	1143
30°	1285
35°	1366
40°	1272
45°	1029
50°	710
55°	387
60°	271
65°	248
70°	234
75°	262
80°	266
85°	318

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	3.2
10°-20°	8.2	10.2
20°-30°	15.6	19.4
30°-40°	22.2	27.6
40°-50°	18.0	22.4
50°-60°	7.3	9.0
60°-70°	3.4	4.2
70°-80°	2.3	2.8
80°-90°	0.9	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°	26.4	32.8
0°-40°	48.6	60.4
0°-60°	73.8	91.8
0°-90°	80.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	80.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	28	
5°	27	3
15°	28	8
25°	34	16
35°	36	22
45°	24	18
55°	7	7
65°	3	3
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	27.6
2.5°	27.5
5°	27.4
7.5°	27.1
10°	26.9
12.5°	27.6
15°	28.5
17.5°	29.6
20°	30.8
22.5°	32.1
25°	33.6
27.5°	34.9
30°	36.1
32.5°	37.1
35°	36.3
37.5°	34.5
40°	31.6
42.5°	27.9
45°	23.6
47.5°	19.2
50°	14.8
52.5°	10.6
55°	7.2
57.5°	5.4
60°	4.4
62.5°	3.9
65°	3.4
67.5°	3.0
70°	2.6
72.5°	2.4
75°	2.2
77.5°	1.9
80°	1.5
82.5°	1.4
85°	0.9
87.5°	0.2
90°	0.0

(END OF REPORT)