

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: P1503805

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

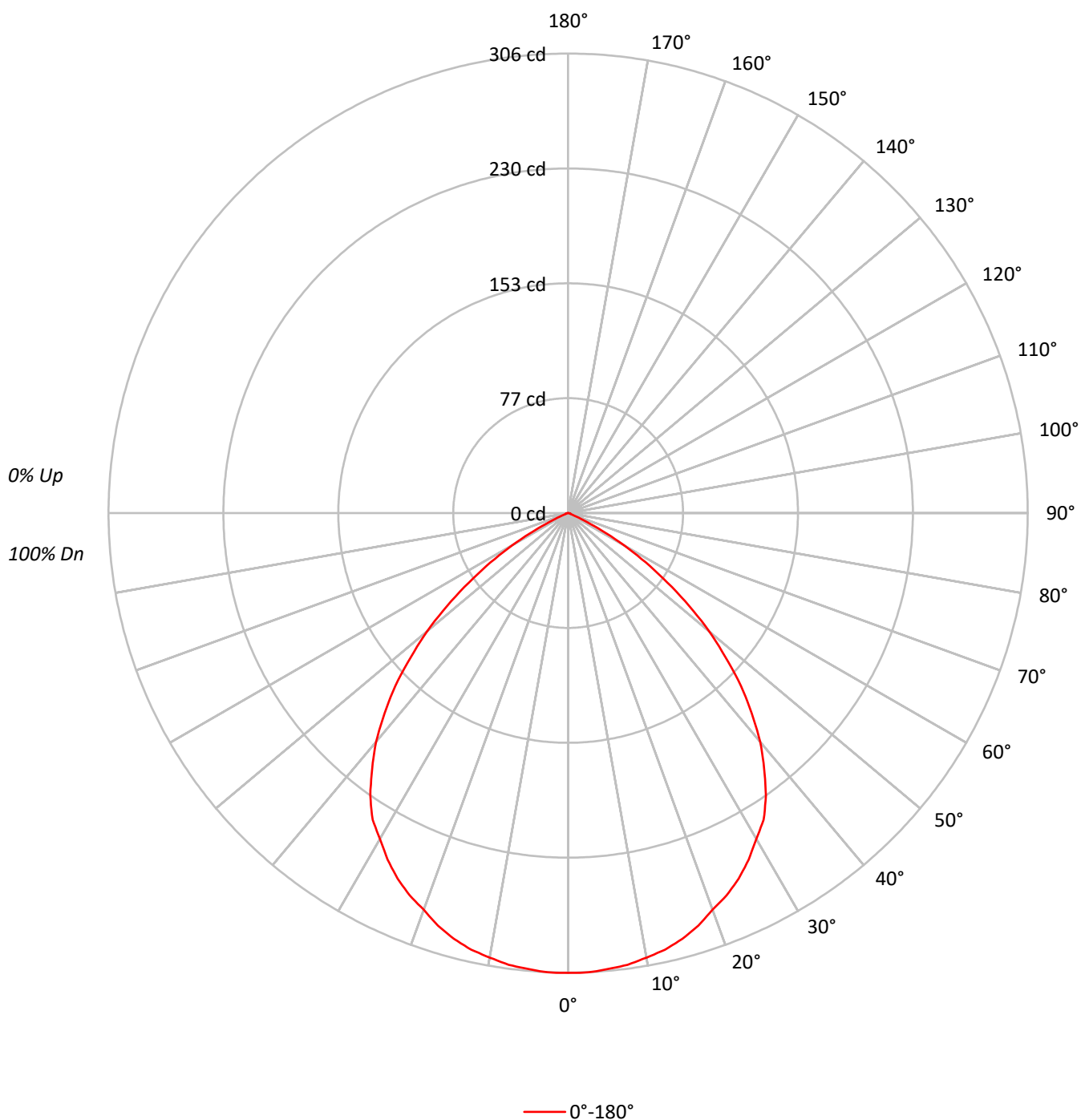
Lumens per Lamp: N/A
Luminaire Lumens: 590.9 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90							
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80							
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71							
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63							
5	83	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56							
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50							
7	72	61	53	48	71	60	53	48	58	52	47	57	51	47	56	51	47	45							
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41							
9	64	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	39	37							
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9442
5°	9435
10°	9412
15°	9373
20°	9224
25°	9139
30°	8919
35°	8643
40°	8011
45°	7100
50°	5877
55°	4339
60°	2658
65°	810
70°	126
75°	167
80°	249
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7100 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	4.9
10°-20°	82.7	14.0
20°-30°	123.4	20.9
30°-40°	142.4	24.1
40°-50°	124.3	21.0
50°-60°	72.5	12.3
60°-70°	14.9	2.5
70°-80°	1.5	0.3
80°-90°	0.2	0.0
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°	235.1	39.8
0°-40°	377.5	63.9
0°-60°	574.3	97.2
0°-90°	590.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	306	
5°	305	29
15°	294	83
25°	269	123
35°	230	142
45°	163	124
55°	81	73
65°	11	15
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	306.2
2.5°	306.2
5°	304.8
7.5°	303.4
10°	300.6
12.5°	297.8
15°	293.6
17.5°	288.1
20°	281.1
22.5°	275.6
25°	268.6
27.5°	260.2
30°	250.5
32.5°	242.2
35°	229.6
37.5°	214.3
40°	199.0
42.5°	180.9
45°	162.8
47.5°	142.0
50°	122.5
52.5°	101.6
55°	80.7
57.5°	61.2
60°	43.1
62.5°	25.1
65°	11.1
67.5°	2.8
70°	1.4
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)