

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: P1503679

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503679
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-010-XXXX-BRNZ-XX-ND (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

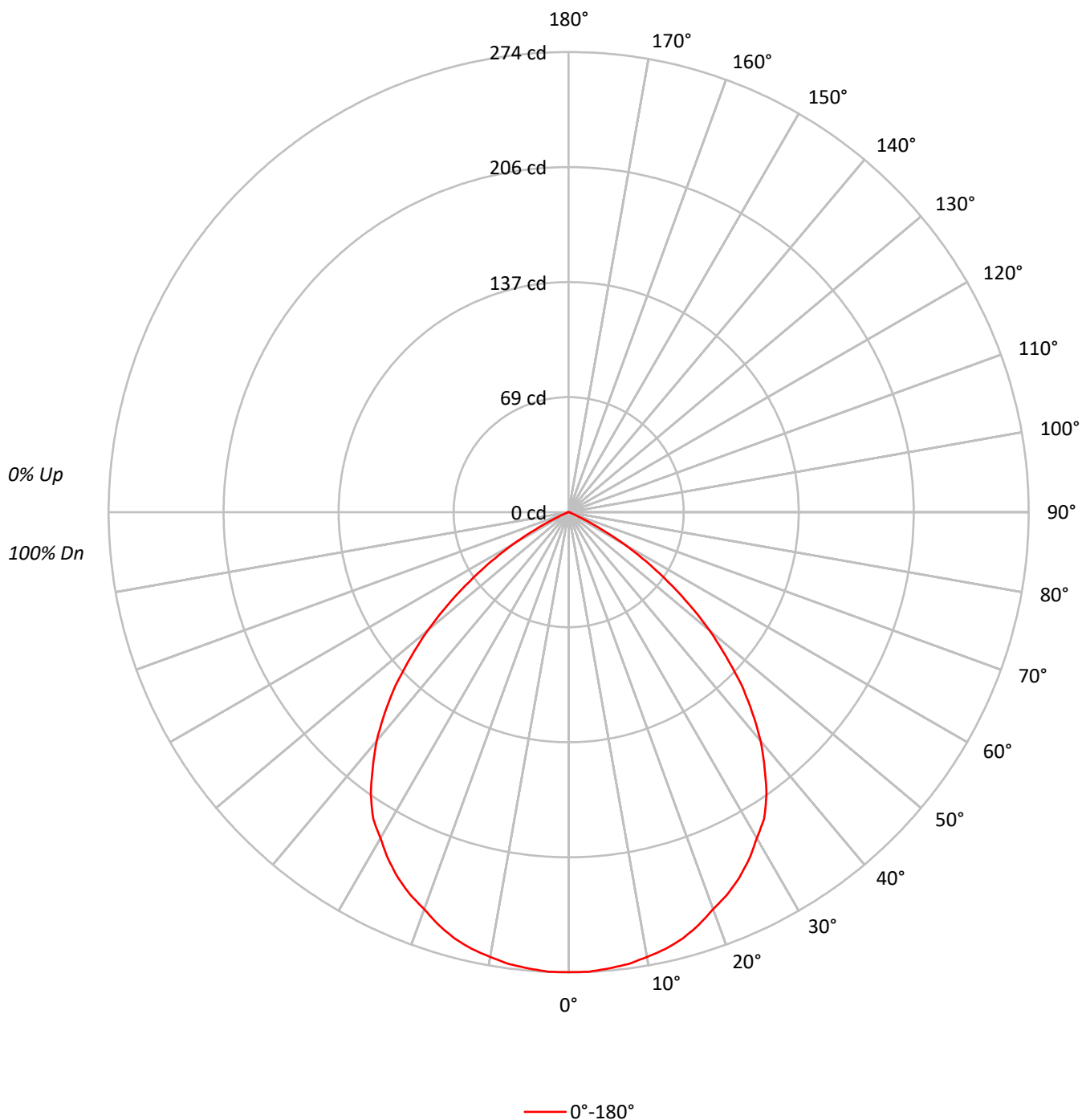
Lumens per Lamp: N/A
Luminaire Lumens: 528.6 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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°	8446
5°	8441
10°	8420
15°	8386
20°	8253
25°	8176
30°	7979
35°	7732
40°	7165
45°	6354
50°	5258
55°	3882
60°	2381
65°	730
70°	108
75°	143
80°	213
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6354 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	4.9
10°-20°	73.9	14.0
20°-30°	110.4	20.9
30°-40°	127.4	24.1
40°-50°	111.3	21.0
50°-60°	64.9	12.3
60°-70°	13.4	2.5
70°-80°	1.3	0.2
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°	210.3	39.8
0°-40°	337.7	63.9
0°-60°	513.8	97.2
0°-90°	528.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	528.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	274	
5°	273	26
15°	263	74
25°	240	110
35°	205	127
45°	146	111
55°	72	65
65°	10	13
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	273.9
2.5°	273.9
5°	272.7
7.5°	271.4
10°	268.9
12.5°	266.4
15°	262.7
17.5°	257.7
20°	251.5
22.5°	246.5
25°	240.3
27.5°	232.8
30°	224.1
32.5°	216.6
35°	205.4
37.5°	191.7
40°	178.0
42.5°	161.9
45°	145.7
47.5°	127.0
50°	109.6
52.5°	90.9
55°	72.2
57.5°	54.8
60°	38.6
62.5°	22.4
65°	10.0
67.5°	2.5
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)