

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: P1503709

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-11)
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-OT (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

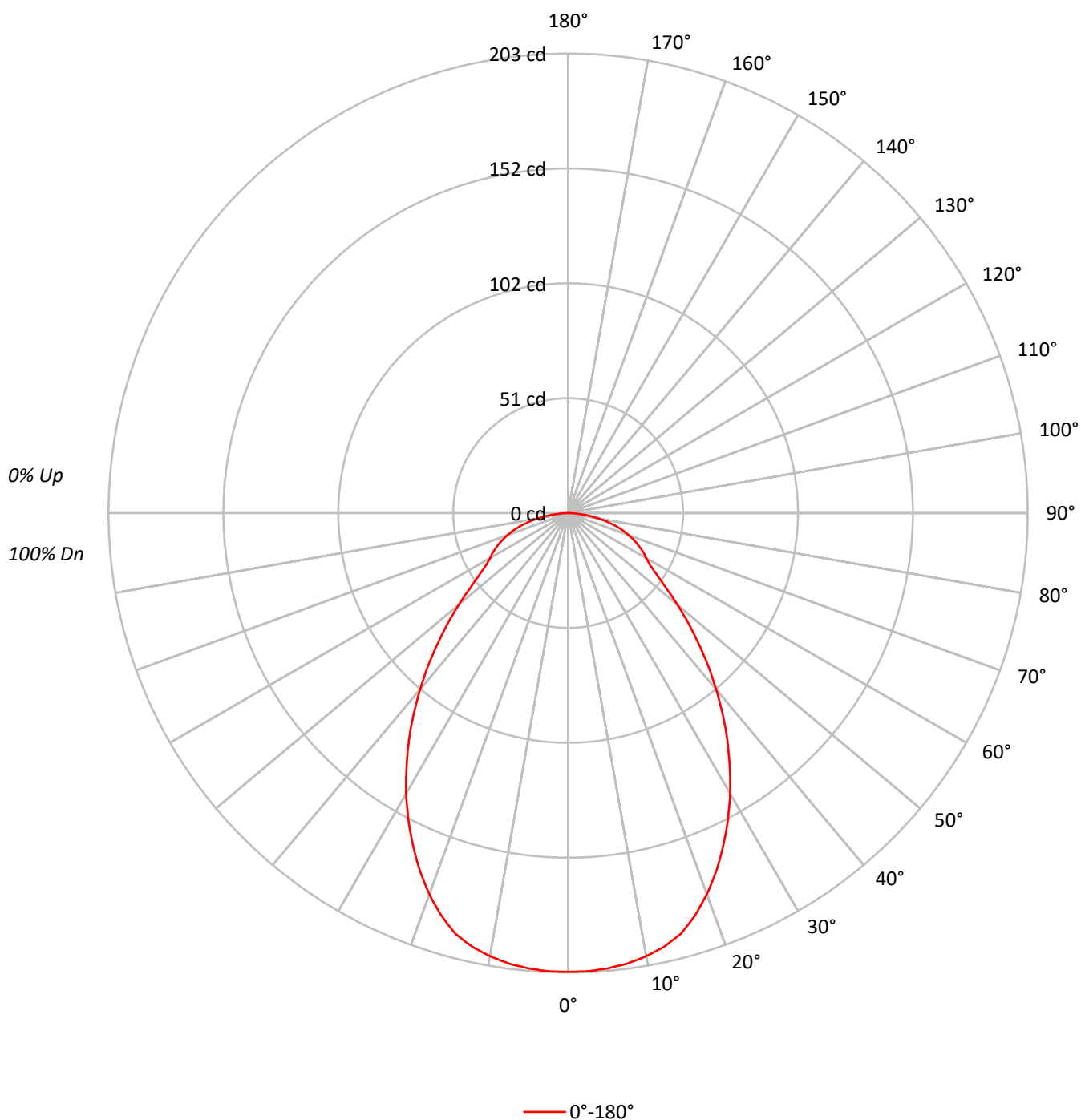
Lumens per Lamp: N/A
Luminaire Lumens: 394.2 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88				86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76				74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66				64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58				56
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52				50
6	74	62	54	48	72	61	53	48	59	52	47	58	52	47	56	51	46				45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42				40
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38				36
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35				33
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32				31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6251
5°	6250
10°	6225
15°	6142
20°	5881
25°	5515
30°	5095
35°	4615
40°	4090
45°	3545
50°	3017
55°	2575
60°	2455
65°	2525
70°	2570
75°	2562
80°	2433
85°	2123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3545 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	4.9
10°-20°	53.9	13.7
20°-30°	74.4	18.9
30°-40°	76.4	19.4
40°-50°	62.9	16.0
50°-60°	44.0	11.2
60°-70°	34.1	8.7
70°-80°	22.6	5.7
80°-90°	6.7	1.7
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°	147.4	37.4
0°-40°	223.9	56.8
0°-60°	330.8	83.9
0°-90°	394.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	203	
5°	202	19
15°	192	54
25°	162	74
35°	123	76
45°	81	63
55°	48	44
65°	35	34
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	202.7
2.5°	202.6
5°	201.9
7.5°	200.7
10°	198.8
12.5°	196.2
15°	192.4
17.5°	186.4
20°	179.2
22.5°	171.1
25°	162.1
27.5°	152.8
30°	143.1
32.5°	132.8
35°	122.6
37.5°	112.2
40°	101.6
42.5°	91.5
45°	81.3
47.5°	72.0
50°	62.9
52.5°	54.7
55°	47.9
57.5°	43.0
60°	39.8
62.5°	37.4
65°	34.6
67.5°	31.6
70°	28.5
72.5°	25.2
75°	21.5
77.5°	17.7
80°	13.7
82.5°	9.7
85°	6.0
87.5°	2.2
90°	0.0

(END OF REPORT)