

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: P1503837

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (3000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503837
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-D2W-XXXX-BRNZ-XX-OT (3000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

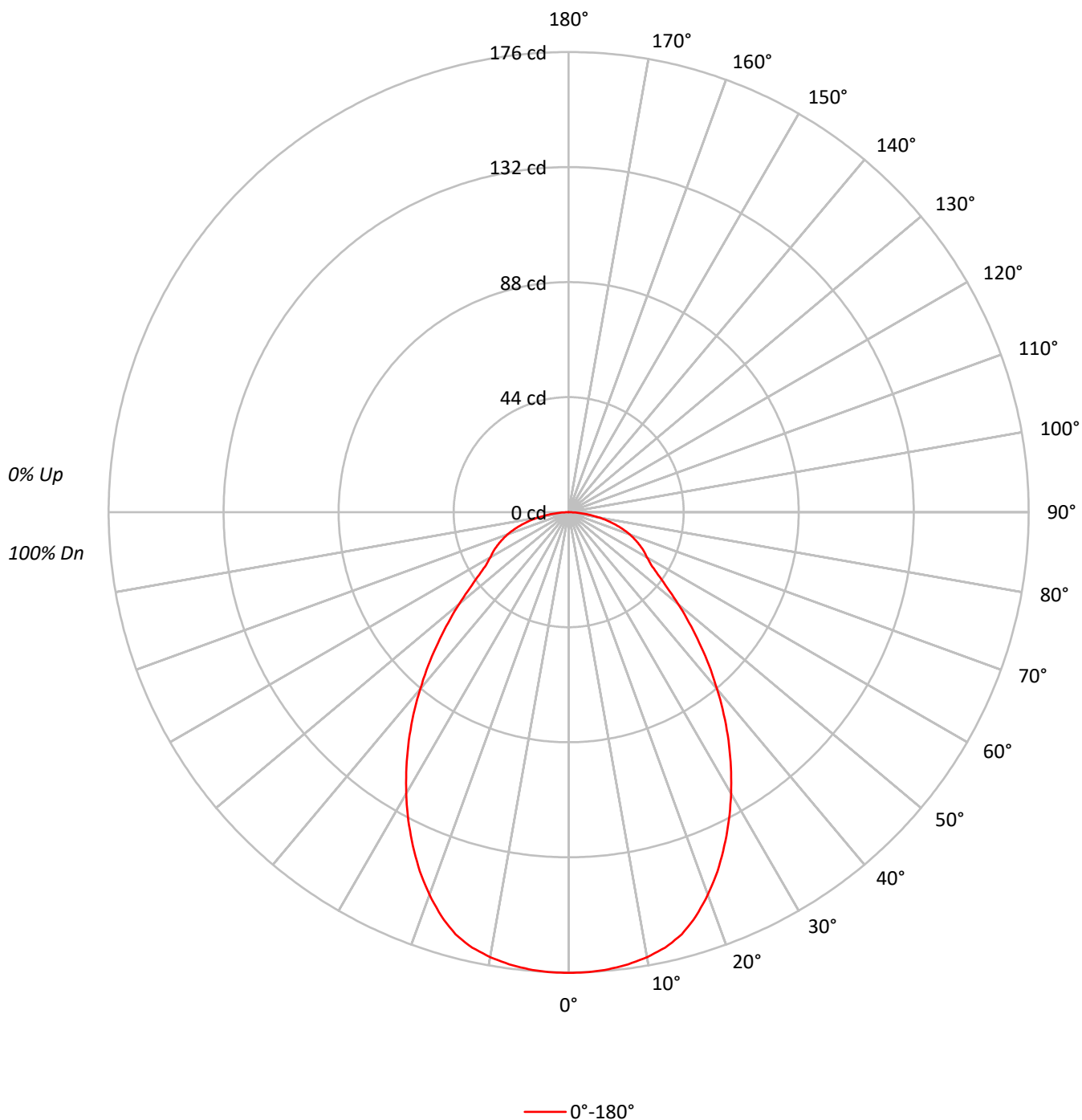
Lumens per Lamp: N/A
Luminaire Lumens: 342.6 lumens
Efficiency: N/A
Efficacy: 49.6 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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				
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	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°	5433
5°	5432
10°	5411
15°	5338
20°	5109
25°	4794
30°	4426
35°	4013
40°	3554
45°	3083
50°	2624
55°	2242
60°	2134
65°	2196
70°	2236
75°	2228
80°	2113
85°	1840

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3083 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	4.9
10°-20°	46.8	13.7
20°-30°	64.7	18.9
30°-40°	66.4	19.4
40°-50°	54.7	16.0
50°-60°	38.2	11.2
60°-70°	29.7	8.7
70°-80°	19.6	5.7
80°-90°	5.8	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°	128.1	37.4
0°-40°	194.6	56.8
0°-60°	287.5	83.9
0°-90°	342.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	176	
5°	176	17
15°	167	47
25°	141	65
35°	107	66
45°	71	55
55°	42	38
65°	30	30
75°	19	20
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	176.2
2.5°	176.1
5°	175.5
7.5°	174.4
10°	172.8
12.5°	170.6
15°	167.2
17.5°	162.0
20°	155.7
22.5°	148.7
25°	140.9
27.5°	132.8
30°	124.3
32.5°	115.5
35°	106.6
37.5°	97.5
40°	88.3
42.5°	79.5
45°	70.7
47.5°	62.5
50°	54.7
52.5°	47.5
55°	41.7
57.5°	37.3
60°	34.6
62.5°	32.5
65°	30.1
67.5°	27.5
70°	24.8
72.5°	21.9
75°	18.7
77.5°	15.4
80°	11.9
82.5°	8.4
85°	5.2
87.5°	1.9
90°	0.0

(END OF REPORT)