

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: P1503838

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503838
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-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

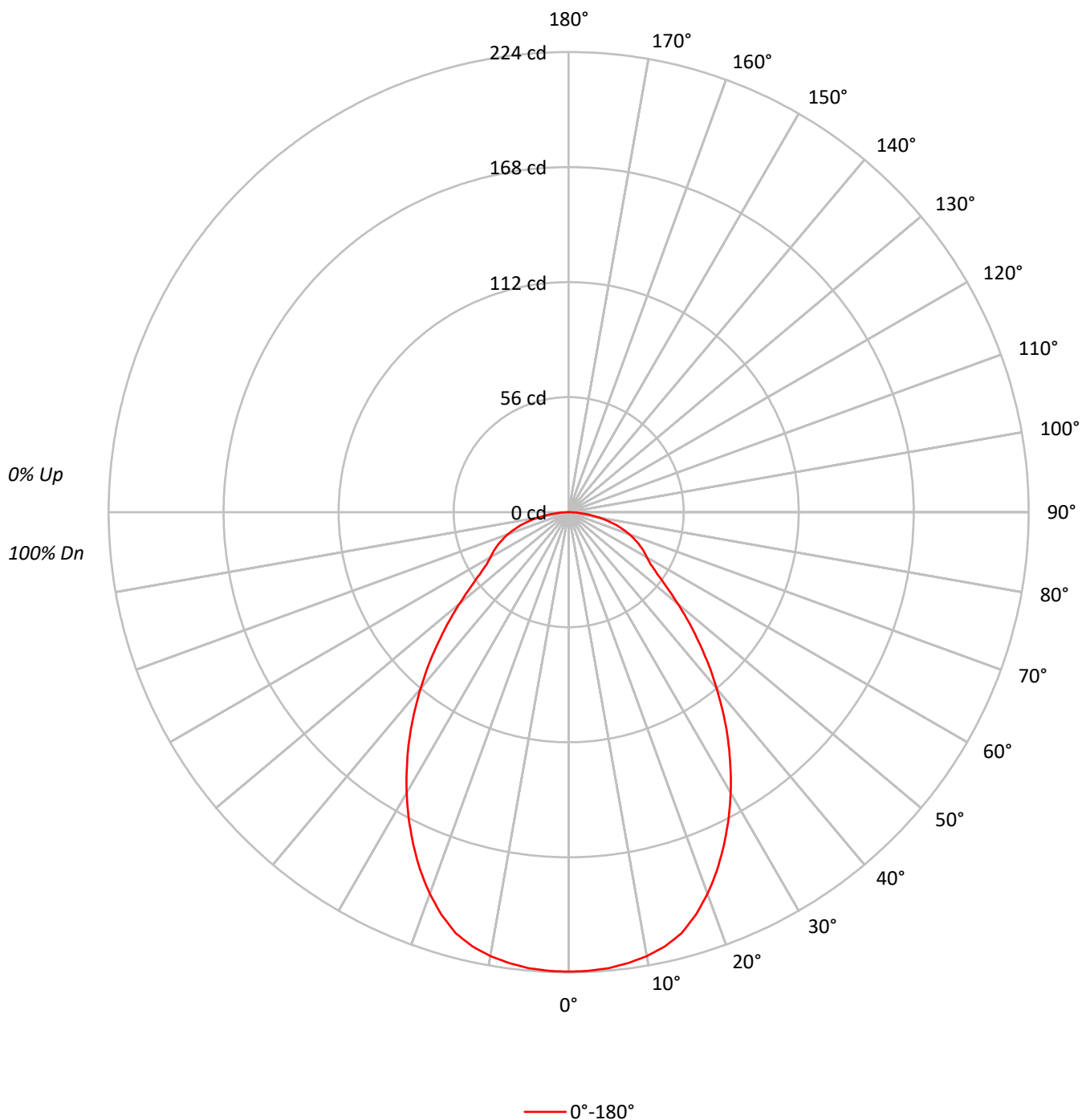
Lumens per Lamp: N/A
Luminaire Lumens: 434.9 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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					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				44
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	40	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°	6895
5°	6897
10°	6870
15°	6774
20°	6488
25°	6084
30°	5619
35°	5093
40°	4512
45°	3912
50°	3329
55°	2844
60°	2714
65°	2787
70°	2840
75°	2836
80°	2681
85°	2335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	4.9
10°-20°	59.4	13.7
20°-30°	82.0	18.9
30°-40°	84.4	19.4
40°-50°	69.4	16.0
50°-60°	48.5	11.2
60°-70°	37.7	8.7
70°-80°	24.9	5.7
80°-90°	7.4	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°	162.6	37.4
0°-40°	247.0	56.8
0°-60°	364.9	83.9
0°-90°	434.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	434.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	224	
5°	223	21
15°	212	59
25°	179	82
35°	135	84
45°	90	69
55°	53	49
65°	38	38
75°	24	25
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	223.6
2.5°	223.5
5°	222.8
7.5°	221.4
10°	219.4
12.5°	216.5
15°	212.2
17.5°	205.6
20°	197.7
22.5°	188.7
25°	178.8
27.5°	168.5
30°	157.8
32.5°	146.6
35°	135.3
37.5°	123.8
40°	112.1
42.5°	101.0
45°	89.7
47.5°	79.4
50°	69.4
52.5°	60.3
55°	52.9
57.5°	47.4
60°	44.0
62.5°	41.2
65°	38.2
67.5°	34.9
70°	31.5
72.5°	27.7
75°	23.8
77.5°	19.5
80°	15.1
82.5°	10.7
85°	6.6
87.5°	2.5
90°	0.0

(END OF REPORT)