

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: P1503712

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OT (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503712
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

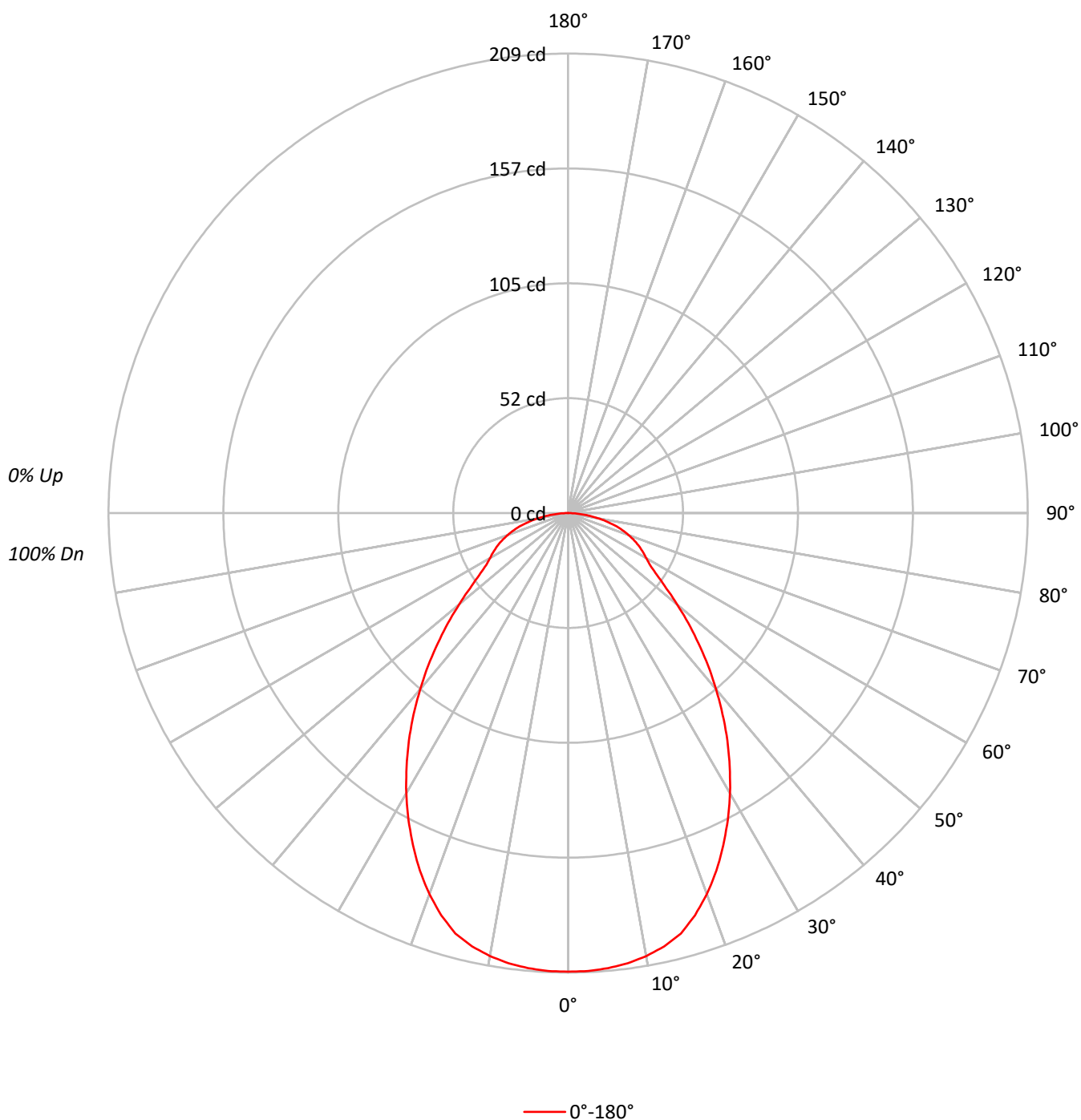
Lumens per Lamp: N/A
Luminaire Lumens: 405.6 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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				10			
RW	70	50	30	10	70	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°	6432
5°	6432
10°	6406
15°	6321
20°	6051
25°	5675
30°	5241
35°	4751
40°	4211
45°	3650
50°	3104
55°	2650
60°	2529
65°	2598
70°	2642
75°	2645
80°	2504
85°	2194

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3650 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	4.9
10°-20°	55.4	13.7
20°-30°	76.5	18.9
30°-40°	78.7	19.4
40°-50°	64.8	16.0
50°-60°	45.2	11.2
60°-70°	35.1	8.6
70°-80°	23.2	5.7
80°-90°	6.9	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°	151.7	37.4
0°-40°	230.4	56.8
0°-60°	340.4	83.9
0°-90°	405.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	405.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	209	
5°	208	20
15°	198	55
25°	167	77
35°	126	79
45°	84	65
55°	49	45
65°	36	35
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	208.6
2.5°	208.5
5°	207.8
7.5°	206.6
10°	204.6
12.5°	201.9
15°	198.0
17.5°	191.8
20°	184.4
22.5°	176.1
25°	166.8
27.5°	157.2
30°	147.2
32.5°	136.7
35°	126.2
37.5°	115.4
40°	104.6
42.5°	94.2
45°	83.7
47.5°	74.1
50°	64.7
52.5°	56.3
55°	49.3
57.5°	44.2
60°	41.0
62.5°	38.4
65°	35.6
67.5°	32.5
70°	29.3
72.5°	25.9
75°	22.2
77.5°	18.2
80°	14.1
82.5°	10.0
85°	6.2
87.5°	2.3
90°	0.0

(END OF REPORT)