

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: P1503700

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OT (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503700
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 (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

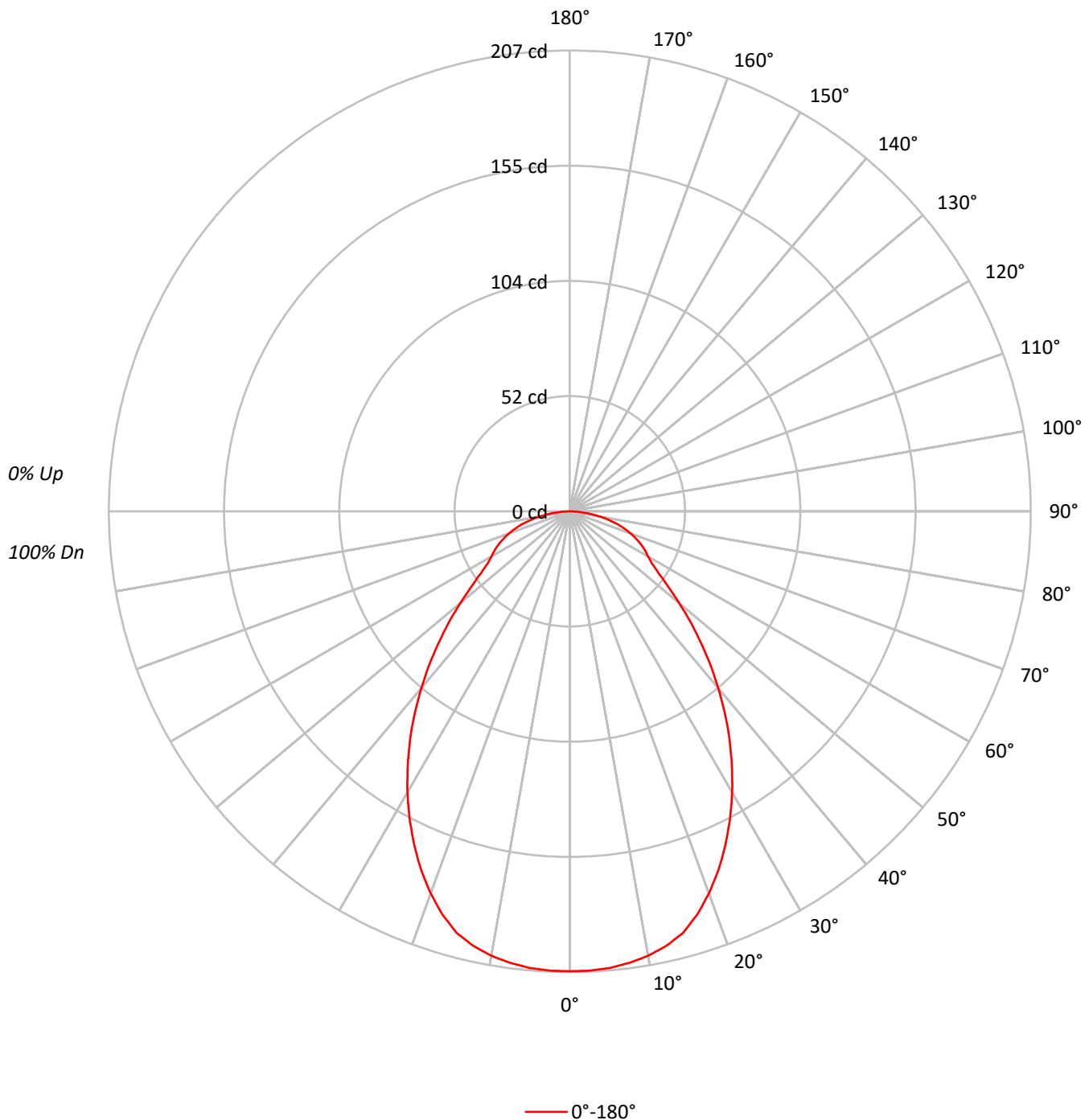
Lumens per Lamp: N/A
Luminaire Lumens: 401.8 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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	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°	6371
5°	6373
10°	6347
15°	6260
20°	5992
25°	5624
30°	5191
35°	4706
40°	4170
45°	3615
50°	3075
55°	2629
60°	2504
65°	2576
70°	2624
75°	2621
80°	2486
85°	2158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3615 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	4.9
10°-20°	54.9	13.7
20°-30°	75.8	18.9
30°-40°	77.9	19.4
40°-50°	64.1	16.0
50°-60°	44.8	11.2
60°-70°	34.8	8.7
70°-80°	23.0	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°	150.3	37.4
0°-40°	228.2	56.8
0°-60°	337.2	83.9
0°-90°	401.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	401.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	207	
5°	206	20
15°	196	55
25°	165	76
35°	125	78
45°	83	64
55°	49	45
65°	35	35
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	206.6
2.5°	206.5
5°	205.9
7.5°	204.6
10°	202.7
12.5°	200.0
15°	196.1
17.5°	190.0
20°	182.6
22.5°	174.4
25°	165.3
27.5°	155.7
30°	145.8
32.5°	135.4
35°	125.0
37.5°	114.4
40°	103.6
42.5°	93.3
45°	82.9
47.5°	73.4
50°	64.1
52.5°	55.7
55°	48.9
57.5°	43.8
60°	40.6
62.5°	38.1
65°	35.3
67.5°	32.2
70°	29.1
72.5°	25.6
75°	22.0
77.5°	18.0
80°	14.0
82.5°	9.9
85°	6.1
87.5°	2.3
90°	0.0

(END OF REPORT)