

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: P1503757

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-12)
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-BRSS-XX-OT (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

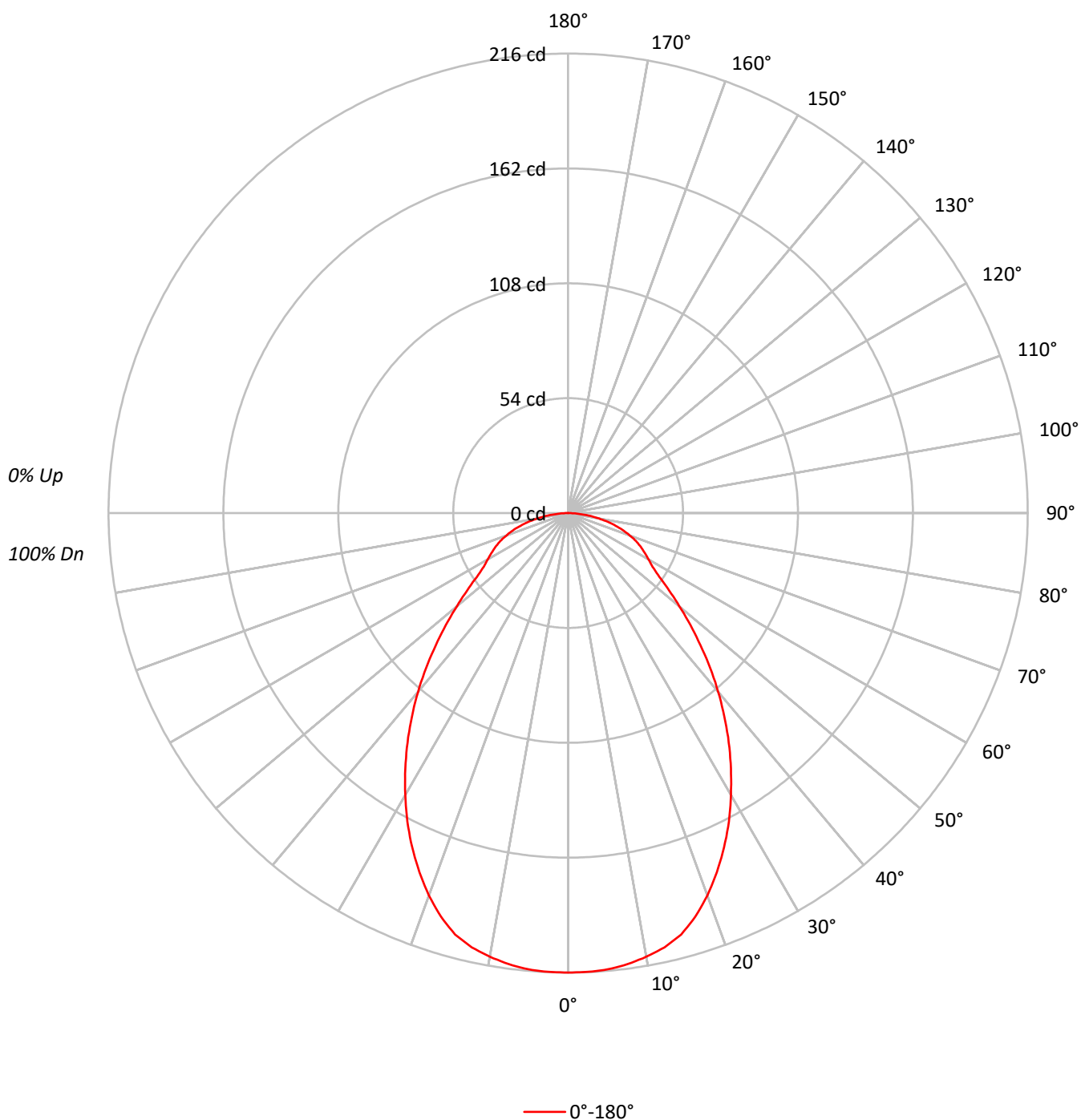
Lumens per Lamp: N/A
Luminaire Lumens: 424.3 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	101	98	107	103	100	96	99	96	93	95	93	90	91	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	69	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	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50		
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44		
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40		
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33		
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6661
5°	6664
10°	6632
15°	6548
20°	6278
25°	5900
30°	5448
35°	4954
40°	4416
45°	3833
50°	3277
55°	2812
60°	2689
65°	2751
70°	2786
75°	2764
80°	2610
85°	2229

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3833 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	4.8
10°-20°	57.4	13.5
20°-30°	79.5	18.7
30°-40°	82.1	19.3
40°-50°	68.0	16.0
50°-60°	48.0	11.3
60°-70°	37.2	8.8
70°-80°	24.4	5.7
80°-90°	7.2	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°	157.4	37.1
0°-40°	239.5	56.4
0°-60°	355.5	83.8
0°-90°	424.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	216	
5°	215	20
15°	205	57
25°	173	80
35°	132	82
45°	88	68
55°	52	48
65°	38	37
75°	23	24
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	216.0
2.5°	215.9
5°	215.3
7.5°	213.9
10°	211.8
12.5°	209.1
15°	205.1
17.5°	198.9
20°	191.3
22.5°	182.7
25°	173.4
27.5°	163.6
30°	153.0
32.5°	142.4
35°	131.6
37.5°	120.6
40°	109.7
42.5°	98.8
45°	87.9
47.5°	77.9
50°	68.3
52.5°	59.8
55°	52.3
57.5°	47.0
60°	43.6
62.5°	40.6
65°	37.7
67.5°	34.5
70°	30.9
72.5°	27.3
75°	23.2
77.5°	19.1
80°	14.7
82.5°	10.5
85°	6.3
87.5°	2.4
90°	0.0

(END OF REPORT)