

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: P1503746

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503746
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 (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

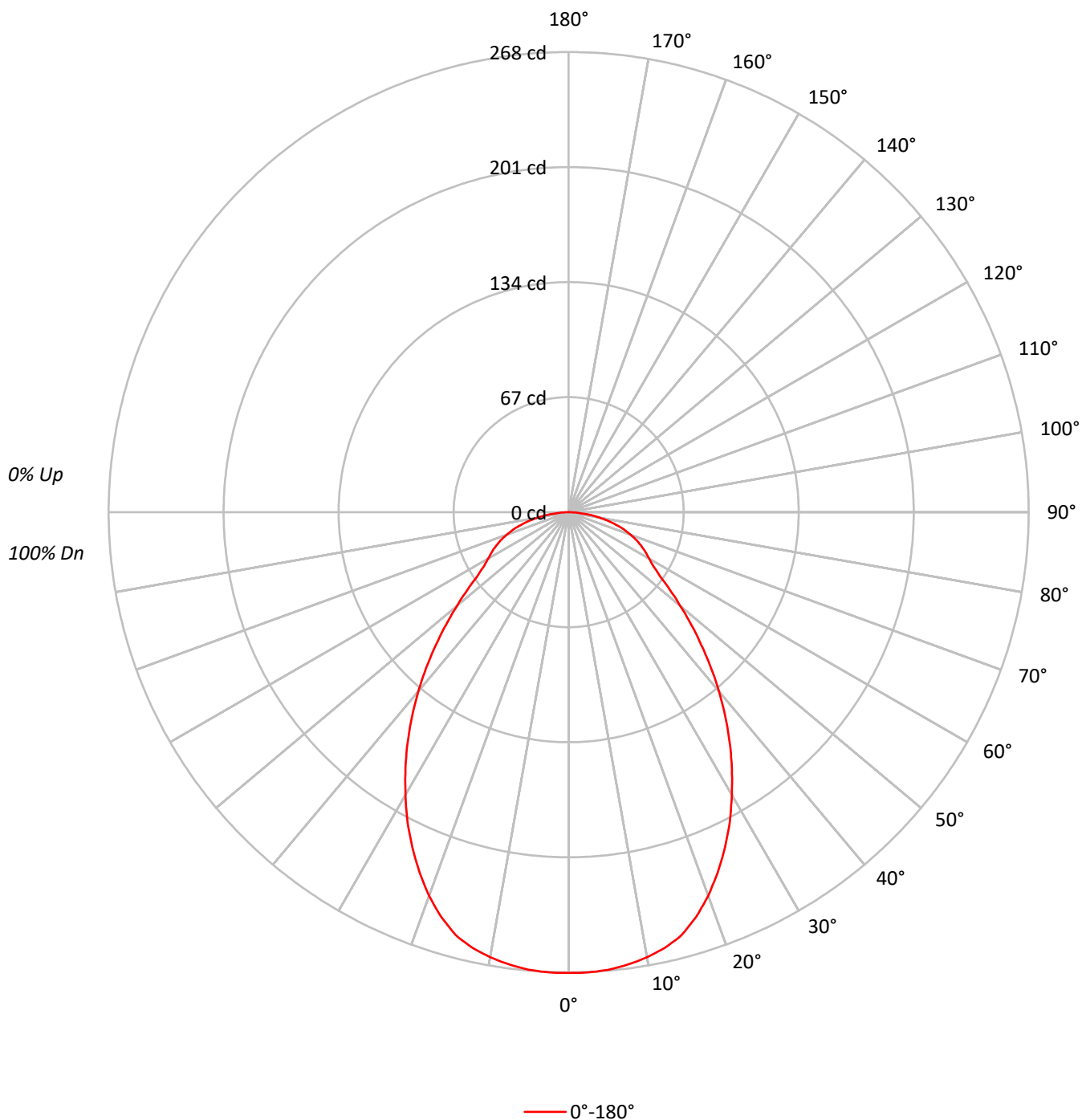
Lumens per Lamp: N/A
Luminaire Lumens: 527.1 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
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	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°	8276
5°	8280
10°	8241
15°	8137
20°	7800
25°	7329
30°	6769
35°	6155
40°	5487
45°	4762
50°	4073
55°	3494
60°	3336
65°	3415
70°	3462
75°	3431
80°	3250
85°	2760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	4.8
10°-20°	71.4	13.5
20°-30°	98.8	18.7
30°-40°	102.0	19.3
40°-50°	84.5	16.0
50°-60°	59.7	11.3
60°-70°	46.1	8.8
70°-80°	30.3	5.7
80°-90°	9.0	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°	195.6	37.1
0°-40°	297.5	56.4
0°-60°	441.7	83.8
0°-90°	527.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	268	
5°	268	25
15°	255	71
25°	215	99
35°	164	102
45°	109	85
55°	65	60
65°	47	46
75°	29	30
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	268.4
2.5°	268.3
5°	267.5
7.5°	265.7
10°	263.2
12.5°	259.8
15°	254.9
17.5°	247.1
20°	237.7
22.5°	227.0
25°	215.4
27.5°	203.3
30°	190.1
32.5°	176.9
35°	163.5
37.5°	149.8
40°	136.3
42.5°	122.7
45°	109.2
47.5°	96.8
50°	84.9
52.5°	74.4
55°	65.0
57.5°	58.4
60°	54.1
62.5°	50.5
65°	46.8
67.5°	42.8
70°	38.4
72.5°	33.9
75°	28.8
77.5°	23.7
80°	18.3
82.5°	13.1
85°	7.8
87.5°	3.0
90°	0.0

(END OF REPORT)