

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: P1503743

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503743
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 (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

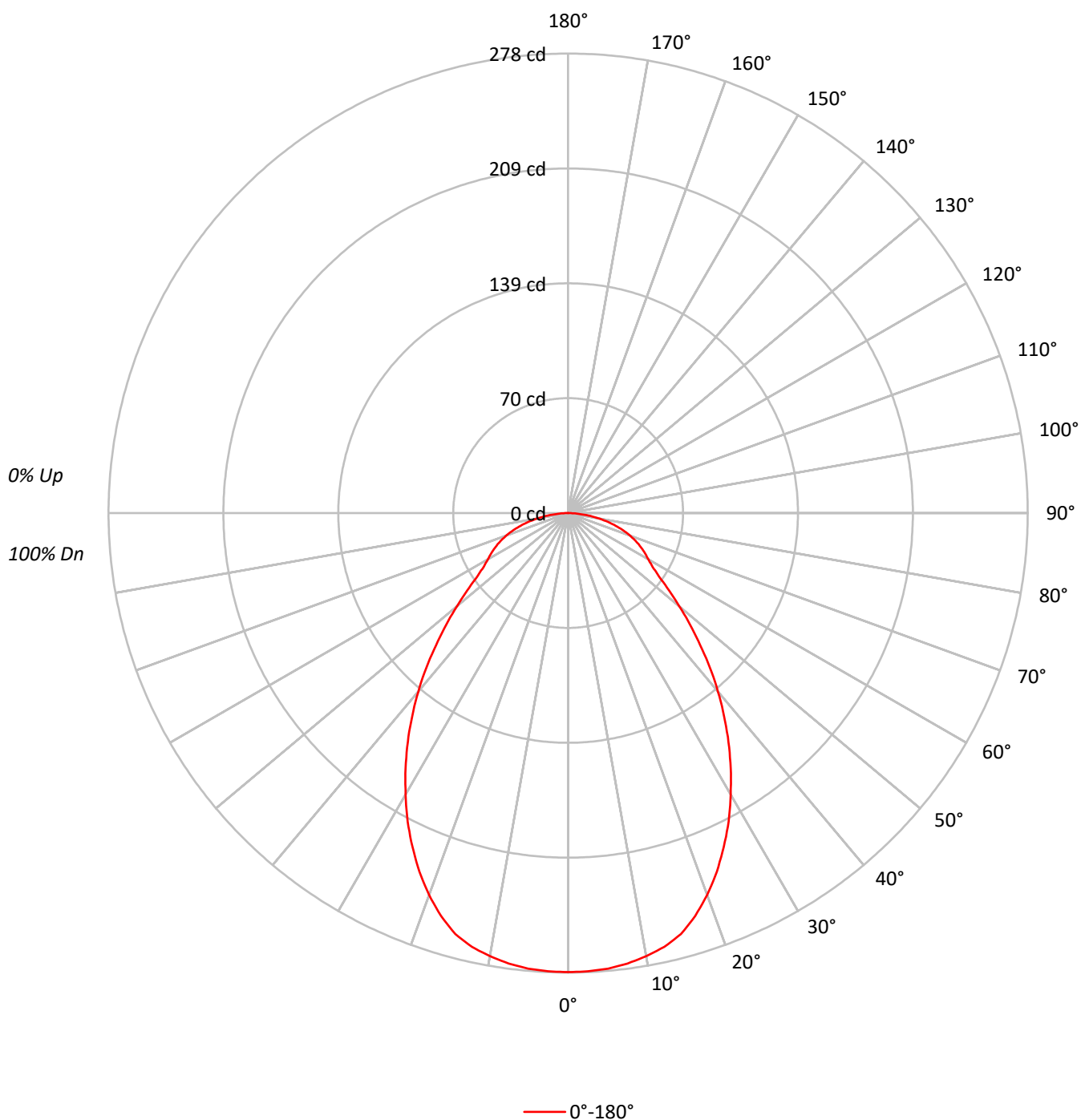
Lumens per Lamp: N/A
Luminaire Lumens: 545.3 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	50	30	10	50	30	10		
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°	8563
5°	8565
10°	8523
15°	8418
20°	8069
25°	7581
30°	7000
35°	6366
40°	5676
45°	4928
50°	4212
55°	3613
60°	3454
65°	3532
70°	3579
75°	3550
80°	3356
85°	2866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	4.8
10°-20°	73.8	13.5
20°-30°	102.2	18.7
30°-40°	105.5	19.3
40°-50°	87.4	16.0
50°-60°	61.7	11.3
60°-70°	47.7	8.8
70°-80°	31.3	5.7
80°-90°	9.3	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°	202.3	37.1
0°-40°	307.8	56.4
0°-60°	456.9	83.8
0°-90°	545.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	278	
5°	277	26
15°	264	74
25°	223	102
35°	169	105
45°	113	87
55°	67	62
65°	48	48
75°	30	31
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	277.7
2.5°	277.5
5°	276.7
7.5°	274.9
10°	272.2
12.5°	268.8
15°	263.7
17.5°	255.6
20°	245.9
22.5°	234.9
25°	222.8
27.5°	210.3
30°	196.6
32.5°	183.0
35°	169.1
37.5°	155.0
40°	141.0
42.5°	127.0
45°	113.0
47.5°	100.1
50°	87.8
52.5°	76.9
55°	67.2
57.5°	60.4
60°	56.0
62.5°	52.2
65°	48.4
67.5°	44.3
70°	39.7
72.5°	35.1
75°	29.8
77.5°	24.5
80°	18.9
82.5°	13.5
85°	8.1
87.5°	3.1
90°	0.0

(END OF REPORT)