

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: P1503755

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503755
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-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

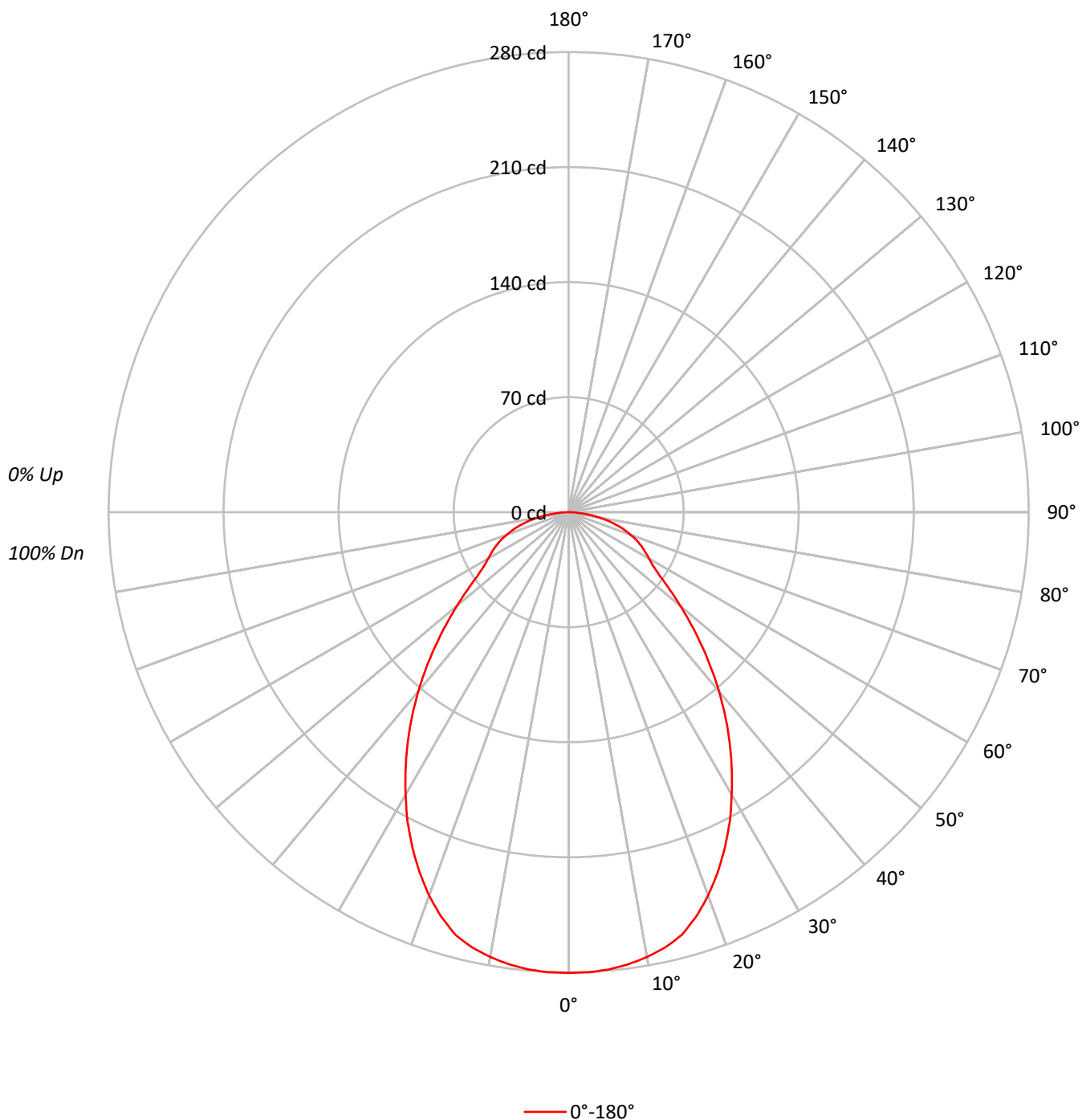
Lumens per Lamp: N/A
Luminaire Lumens: 550.5 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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

TEST NUMBER: P1503755

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (5000K-1000LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503755

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (5000K-1000LM)

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°	8643
5°	8645
10°	8605
15°	8498
20°	8145
25°	7655
30°	7068
35°	6430
40°	5728
45°	4976
50°	4250
55°	3645
60°	3485
65°	3568
70°	3615
75°	3586
80°	3392
85°	2866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4976 cd/sqm

TEST NUMBER: P1503755

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (5000K-1000LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	4.8
10°-20°	74.5	13.5
20°-30°	103.2	18.7
30°-40°	106.5	19.3
40°-50°	88.3	16.0
50°-60°	62.3	11.3
60°-70°	48.2	8.8
70°-80°	31.6	5.7
80°-90°	9.4	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°	204.3	37.1
0°-40°	310.7	56.4
0°-60°	461.3	83.8
0°-90°	550.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	550.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	280	
5°	279	27
15°	266	75
25°	225	103
35°	171	106
45°	114	88
55°	68	62
65°	49	48
75°	30	32
85°	8	9
90°	0	

TEST NUMBER: P1503755

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (5000K-1000LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	280.3
2.5°	280.2
5°	279.3
7.5°	277.5
10°	274.8
12.5°	271.3
15°	266.2
17.5°	258.0
20°	248.2
22.5°	237.1
25°	225.0
27.5°	212.3
30°	198.5
32.5°	184.7
35°	170.8
37.5°	156.5
40°	142.3
42.5°	128.2
45°	114.1
47.5°	101.1
50°	88.6
52.5°	77.6
55°	67.8
57.5°	61.0
60°	56.5
62.5°	52.7
65°	48.9
67.5°	44.7
70°	40.1
72.5°	35.4
75°	30.1
77.5°	24.8
80°	19.1
82.5°	13.6
85°	8.1
87.5°	3.2
90°	0.0

(END OF REPORT)