

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: P1503707

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OT (4000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503707
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 (4000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

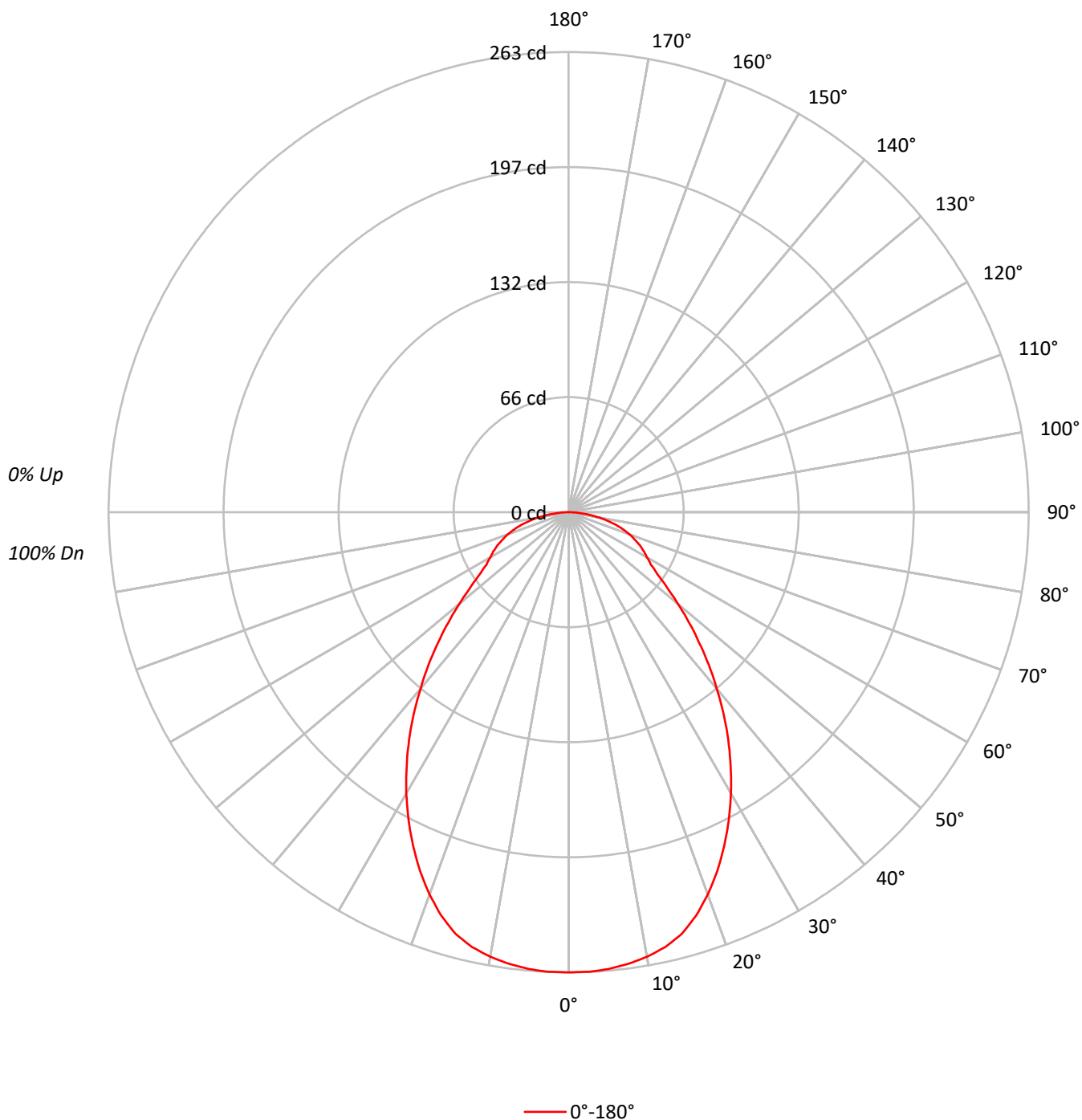
Lumens per Lamp: N/A
Luminaire Lumens: 511.4 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1503707

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OT (4000K-1000LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503707

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OT (4000K-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	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	45							
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	41	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°	8110
5°	8113
10°	8078
15°	7968
20°	7630
25°	7159
30°	6609
35°	5989
40°	5305
45°	4601
50°	3915
55°	3344
60°	3188
65°	3276
70°	3336
75°	3336
80°	3161
85°	2760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4601 cd/sqm

TEST NUMBER: P1503707

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OT (4000K-1000LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.9	4.9
10°-20°	69.9	13.7
20°-30°	96.5	18.9
30°-40°	99.2	19.4
40°-50°	81.6	16.0
50°-60°	57.0	11.2
60°-70°	44.3	8.7
70°-80°	29.3	5.7
80°-90°	8.8	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°	191.3	37.4
0°-40°	290.5	56.8
0°-60°	429.1	83.9
0°-90°	511.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	263	
5°	262	25
15°	250	70
25°	210	97
35°	159	99
45°	106	82
55°	62	57
65°	45	44
75°	28	29
85°	8	9
90°	0	

TEST NUMBER: P1503707

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OT (4000K-1000LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	263.0
2.5°	262.9
5°	262.1
7.5°	260.4
10°	258.0
12.5°	254.6
15°	249.6
17.5°	241.9
20°	232.5
22.5°	222.0
25°	210.4
27.5°	198.2
30°	185.6
32.5°	172.4
35°	159.1
37.5°	145.6
40°	131.8
42.5°	118.7
45°	105.5
47.5°	93.4
50°	81.6
52.5°	70.9
55°	62.2
57.5°	55.7
60°	51.7
62.5°	48.5
65°	44.9
67.5°	41.0
70°	37.0
72.5°	32.6
75°	28.0
77.5°	22.9
80°	17.8
82.5°	12.6
85°	7.8
87.5°	2.9
90°	0.0

(END OF REPORT)