

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: P1503750

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (3500K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503750
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 (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

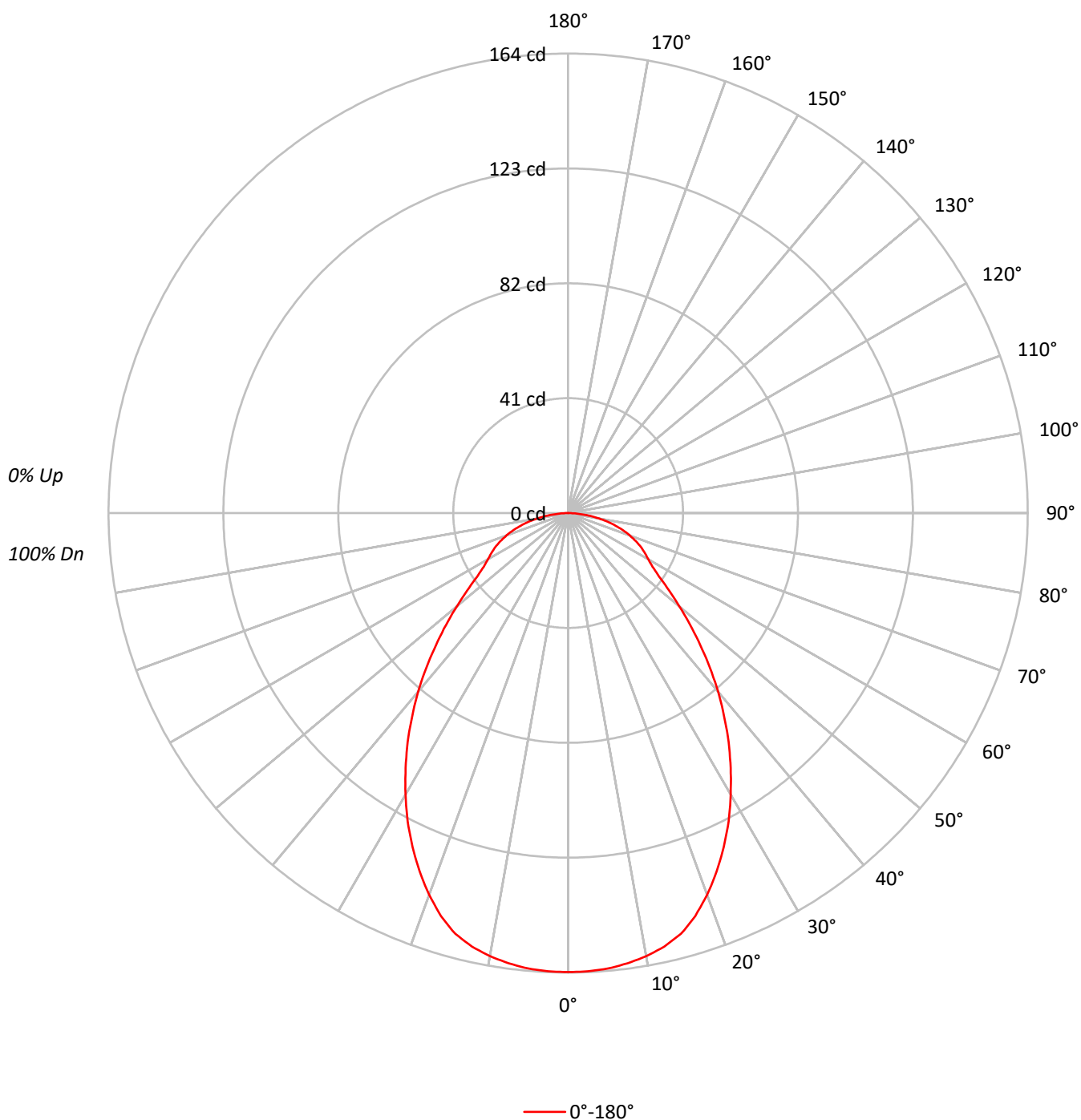
Lumens per Lamp: N/A
Luminaire Lumens: 321.7 lumens
Efficiency: N/A
Efficacy: 49.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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: P1503750

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (3500K-650LM)

Luminous Intensity Polar Plot



TEST NUMBER: P1503750

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (3500K-650LM)

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	59	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°	5051
5°	5052
10°	5029
15°	4964
20°	4758
25°	4471
30°	4130
35°	3757
40°	3349
45°	2904
50°	2485
55°	2129
60°	2035
65°	2087
70°	2110
75°	2097
80°	1989
85°	1698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2904 cd/sqm

TEST NUMBER: P1503750

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (3500K-650LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	4.8
10°-20°	43.5	13.5
20°-30°	60.3	18.7
30°-40°	62.2	19.3
40°-50°	51.6	16.0
50°-60°	36.4	11.3
60°-70°	28.2	8.8
70°-80°	18.5	5.7
80°-90°	5.5	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°	119.3	37.1
0°-40°	181.5	56.4
0°-60°	269.5	83.8
0°-90°	321.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	321.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	164	
5°	163	15
15°	156	44
25°	131	60
35°	100	62
45°	67	52
55°	40	36
65°	29	28
75°	18	18
85°	5	5
90°	0	

TEST NUMBER: P1503750

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OT (3500K-650LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	163.8
2.5°	163.7
5°	163.2
7.5°	162.1
10°	160.6
12.5°	158.5
15°	155.5
17.5°	150.8
20°	145.0
22.5°	138.5
25°	131.4
27.5°	124.0
30°	116.0
32.5°	107.9
35°	99.8
37.5°	91.4
40°	83.2
42.5°	74.9
45°	66.6
47.5°	59.1
50°	51.8
52.5°	45.4
55°	39.6
57.5°	35.7
60°	33.0
62.5°	30.8
65°	28.6
67.5°	26.1
70°	23.4
72.5°	20.7
75°	17.6
77.5°	14.5
80°	11.2
82.5°	8.0
85°	4.8
87.5°	1.8
90°	0.0

(END OF REPORT)