

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: P1503690

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-14)
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-OC (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

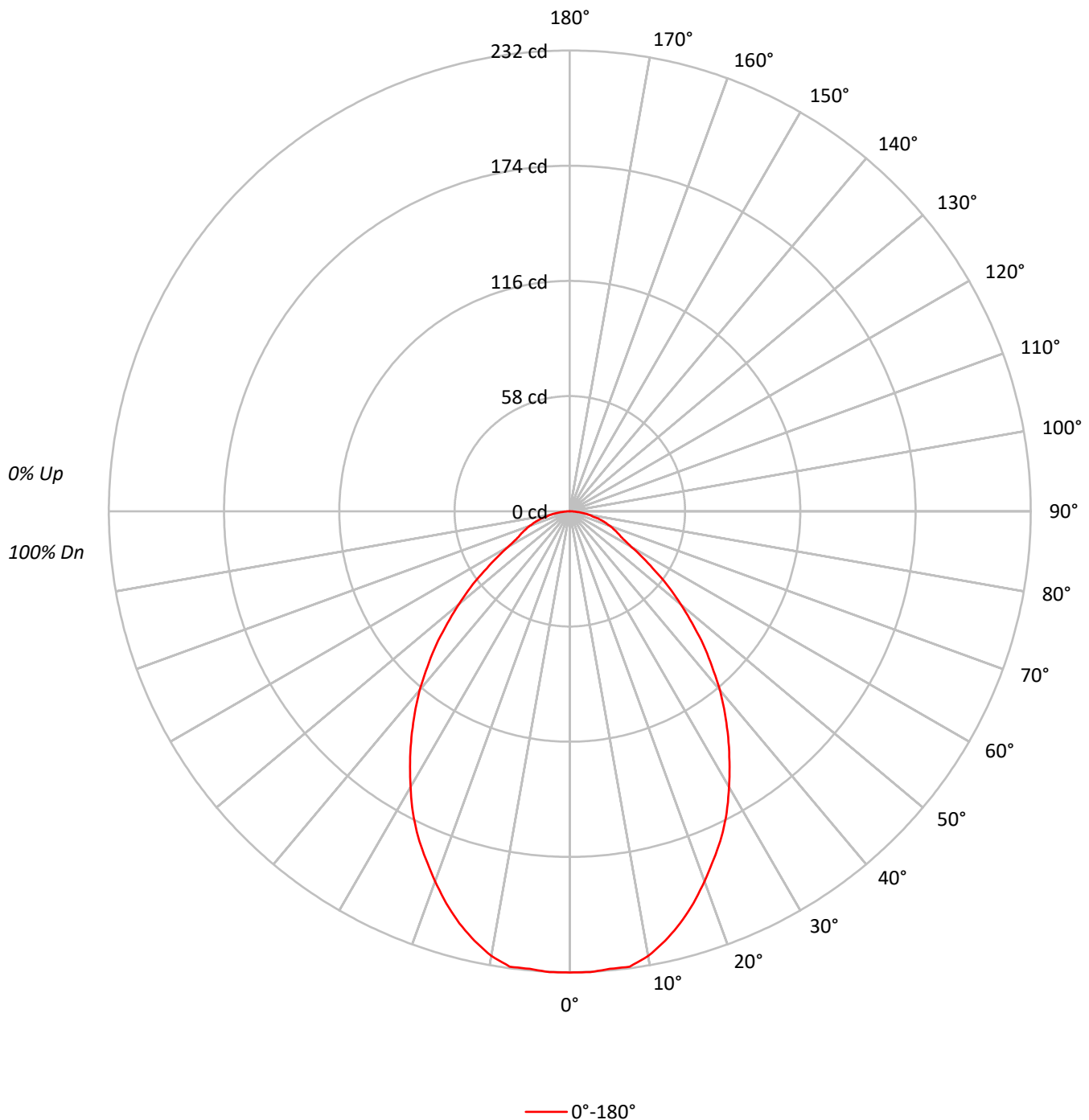
Lumens per Lamp: N/A
Luminaire Lumens: 420.7 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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: P1503690

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

Luminous Intensity Polar Plot





TEST NUMBER: P1503690

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76			
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	88	77	69	64	85	76	69	63	73	67	62	71	66	61	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7160
5°	7157
10°	7117
15°	6854
20°	6504
25°	6148
30°	5708
35°	5229
40°	4730
45°	4152
50°	3497
55°	2822
60°	2214
65°	1985
70°	1929
75°	1847
80°	1723
85°	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4152 cd/sqm

TEST NUMBER: P1503690

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	5.2
10°-20°	60.2	14.3
20°-30°	82.8	19.7
30°-40°	86.7	20.6
40°-50°	73.1	17.4
50°-60°	47.6	11.3
60°-70°	27.3	6.5
70°-80°	16.2	3.8
80°-90°	4.7	1.1
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°	165.1	39.2
0°-40°	251.8	59.9
0°-60°	372.5	88.5
0°-90°	420.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	420.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	232	
5°	231	22
15°	215	60
25°	181	83
35°	139	87
45°	95	73
55°	52	48
65°	27	27
75°	16	16
85°	4	5
90°	0	

TEST NUMBER: P1503690

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	232.2
2.5°	232.2
5°	231.2
7.5°	231.2
10°	227.3
12.5°	221.5
15°	214.7
17.5°	206.9
20°	198.2
22.5°	189.4
25°	180.7
27.5°	171.0
30°	160.3
32.5°	149.6
35°	138.9
37.5°	128.2
40°	117.5
42.5°	105.9
45°	95.2
47.5°	83.5
50°	72.9
52.5°	63.1
55°	52.5
57.5°	43.7
60°	35.9
62.5°	30.1
65°	27.2
67.5°	24.3
70°	21.4
72.5°	18.5
75°	15.5
77.5°	11.7
80°	9.7
82.5°	6.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)