

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: P1503687

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (3000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503687
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 (3000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

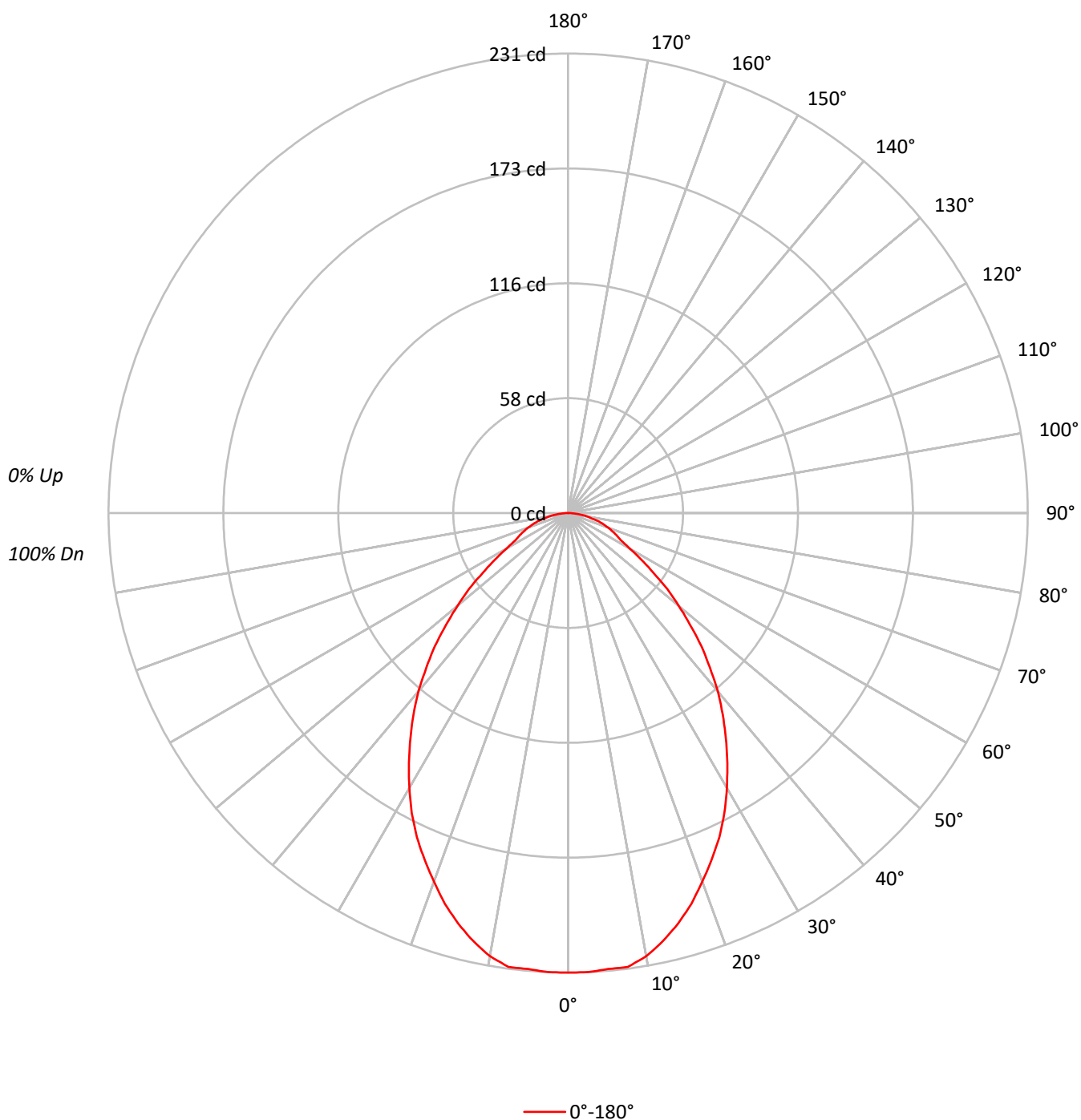
Lumens per Lamp: N/A
Luminaire Lumens: 418.7 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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

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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				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°	7123
5°	7123
10°	7083
15°	6819
20°	6471
25°	6118
30°	5679
35°	5202
40°	4710
45°	4130
50°	3478
55°	2806
60°	2208
65°	1977
70°	1920
75°	1847
80°	1723
85°	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4130 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	5.2
10°-20°	59.9	14.3
20°-30°	82.4	19.7
30°-40°	86.3	20.6
40°-50°	72.7	17.4
50°-60°	47.4	11.3
60°-70°	27.2	6.5
70°-80°	16.1	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°	164.3	39.2
0°-40°	250.6	59.9
0°-60°	370.7	88.5
0°-90°	418.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	231	
5°	230	22
15°	214	60
25°	180	82
35°	138	86
45°	95	73
55°	52	47
65°	27	27
75°	16	16
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	231.0
2.5°	231.0
5°	230.1
7.5°	230.1
10°	226.2
12.5°	220.4
15°	213.6
17.5°	205.9
20°	197.2
22.5°	188.5
25°	179.8
27.5°	170.1
30°	159.5
32.5°	148.9
35°	138.2
37.5°	127.6
40°	117.0
42.5°	105.4
45°	94.7
47.5°	83.1
50°	72.5
52.5°	62.8
55°	52.2
57.5°	43.5
60°	35.8
62.5°	30.0
65°	27.1
67.5°	24.2
70°	21.3
72.5°	18.4
75°	15.5
77.5°	11.6
80°	9.7
82.5°	6.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)