

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: P1503735

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-15)
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-OC (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

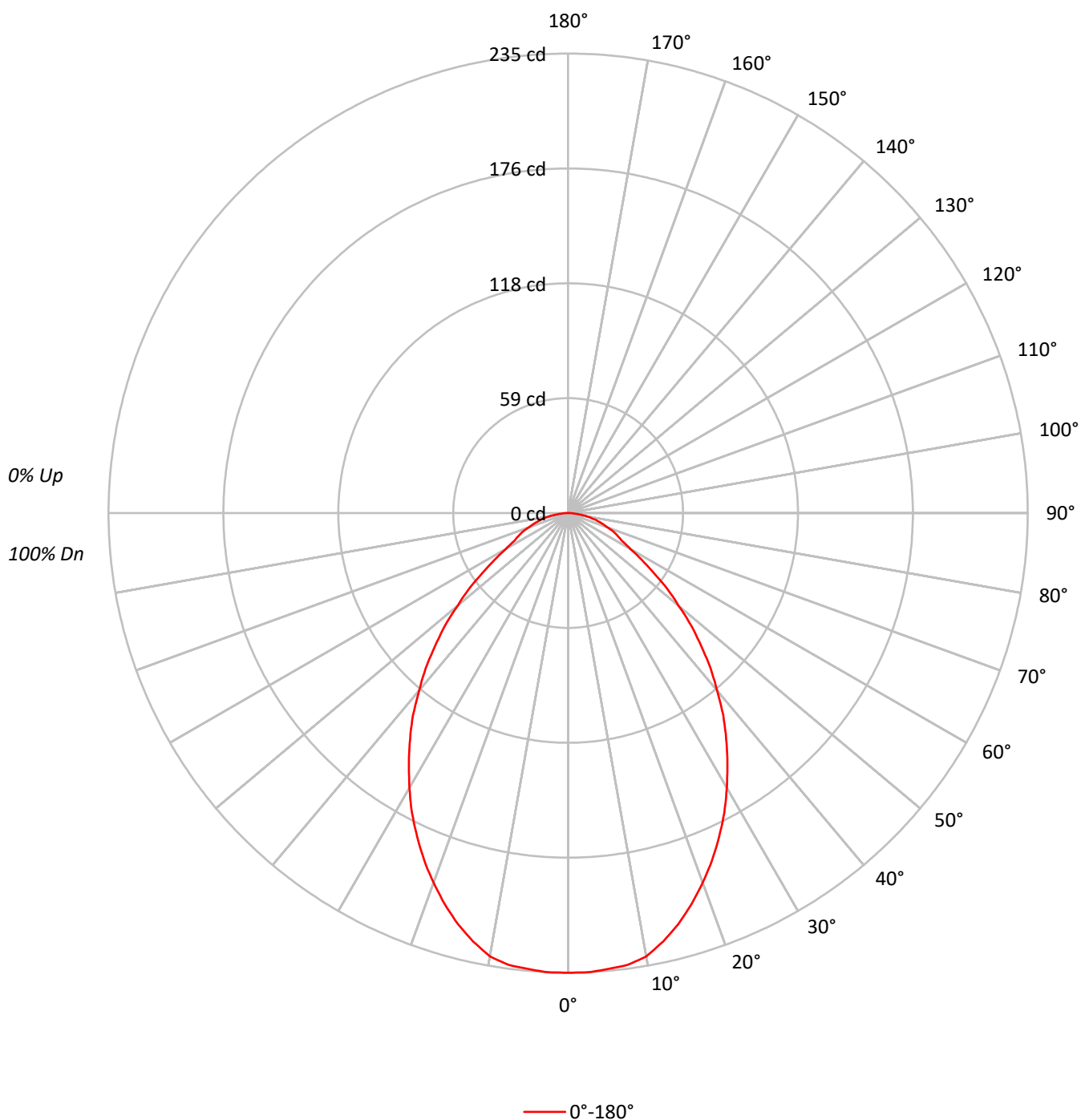
Lumens per Lamp: N/A
Luminaire Lumens: 427.0 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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

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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
R																				
C	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
R	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	68	66	
	4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	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	54	49	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°	7250
5°	7246
10°	7208
15°	6947
20°	6599
25°	6213
30°	5775
35°	5304
40°	4770
45°	4195
50°	3540
55°	2871
60°	2276
65°	2058
70°	1929
75°	1847
80°	1723
85°	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	5.2
10°-20°	61.1	14.3
20°-30°	83.9	19.6
30°-40°	87.9	20.6
40°-50°	74.2	17.4
50°-60°	48.5	11.4
60°-70°	28.1	6.6
70°-80°	16.4	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°	167.2	39.2
0°-40°	255.1	59.7
0°-60°	377.7	88.5
0°-90°	427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	235	
5°	234	22
15°	218	61
25°	183	84
35°	141	88
45°	96	74
55°	53	48
65°	28	28
75°	16	16
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	235.1
2.5°	235.1
5°	234.1
7.5°	233.1
10°	230.2
12.5°	224.4
15°	217.6
17.5°	209.8
20°	201.1
22.5°	192.3
25°	182.6
27.5°	172.9
30°	162.2
32.5°	151.5
35°	140.9
37.5°	130.2
40°	118.5
42.5°	107.8
45°	96.2
47.5°	85.5
50°	73.8
52.5°	64.1
55°	53.4
57.5°	44.7
60°	36.9
62.5°	31.1
65°	28.2
67.5°	25.3
70°	21.4
72.5°	18.5
75°	15.5
77.5°	12.6
80°	9.7
82.5°	6.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)