

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: P1503780

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-13)
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-WHTE-XX-OC (3500K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

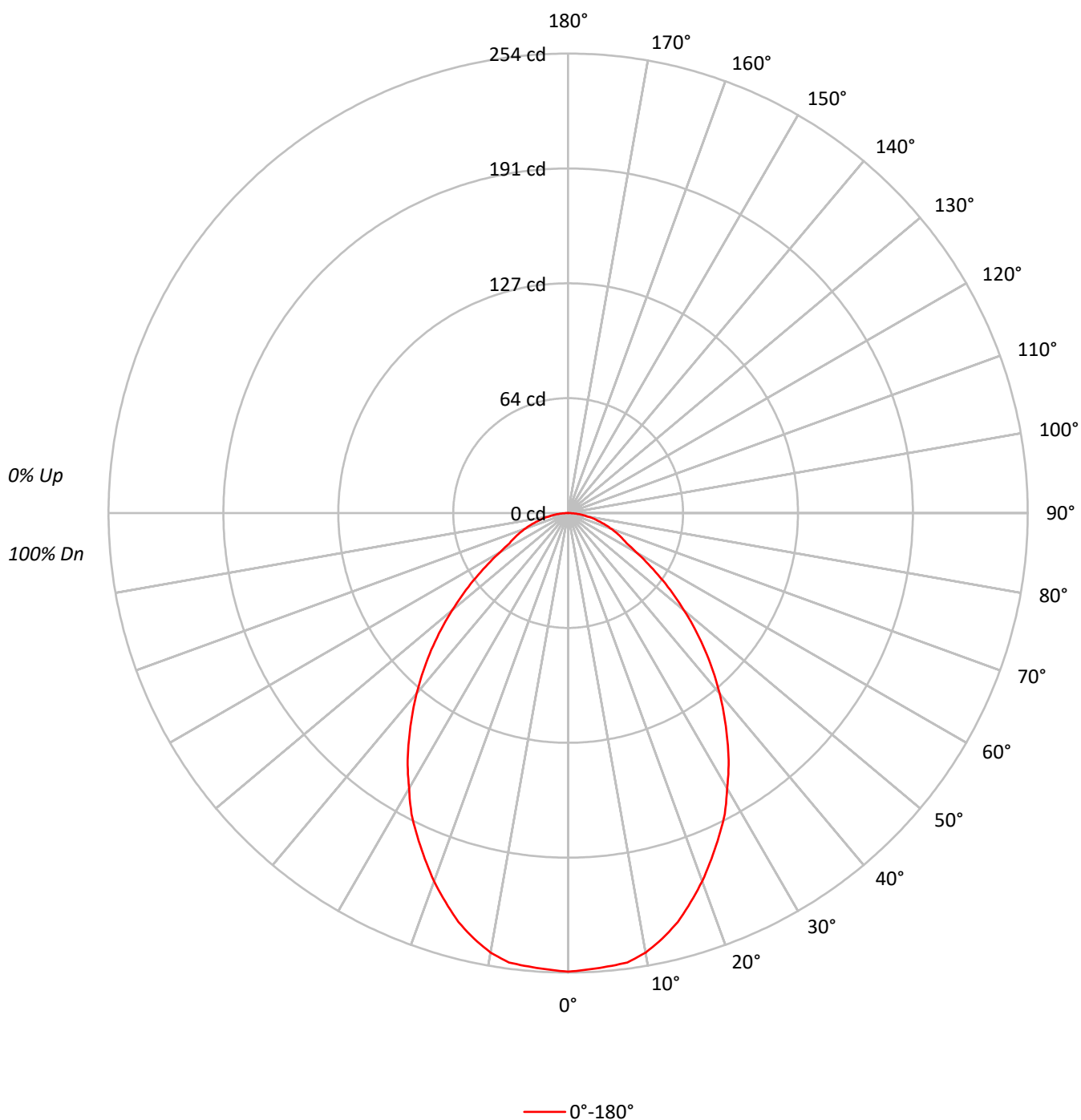
Lumens per Lamp: N/A
Luminaire Lumens: 471.5 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			
3	94	85	78	72	92	83	77	71	81	75	70	78	73	69	75	71	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7817
5°	7788
10°	7725
15°	7473
20°	7108
25°	6710
30°	6260
35°	5778
40°	5241
45°	4662
50°	4006
55°	3344
60°	2695
65°	2408
70°	2281
75°	2085
80°	1900
85°	1734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4662 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	5.1
10°-20°	65.6	13.9
20°-30°	90.6	19.2
30°-40°	95.8	20.3
40°-50°	82.3	17.4
50°-60°	56.0	11.9
60°-70°	33.0	7.0
70°-80°	18.9	4.0
80°-90°	5.4	1.2
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°	180.1	38.2
0°-40°	275.9	58.5
0°-60°	414.2	87.8
0°-90°	471.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	471.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	254	
5°	252	24
15°	234	66
25°	197	91
35°	154	96
45°	107	82
55°	62	56
65°	33	33
75°	18	19
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	253.5
2.5°	252.6
5°	251.6
7.5°	250.6
10°	246.7
12.5°	240.9
15°	234.1
17.5°	225.4
20°	216.6
22.5°	206.9
25°	197.2
27.5°	187.5
30°	175.8
32.5°	165.1
35°	153.5
37.5°	141.8
40°	130.2
42.5°	118.5
45°	106.9
47.5°	95.2
50°	83.5
52.5°	72.9
55°	62.2
57.5°	52.5
60°	43.7
62.5°	36.9
65°	33.0
67.5°	29.1
70°	25.3
72.5°	21.4
75°	17.5
77.5°	14.6
80°	10.7
82.5°	7.8
85°	4.9
87.5°	1.9
90°	0.0

(END OF REPORT)