

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: P1503773

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503773
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 (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

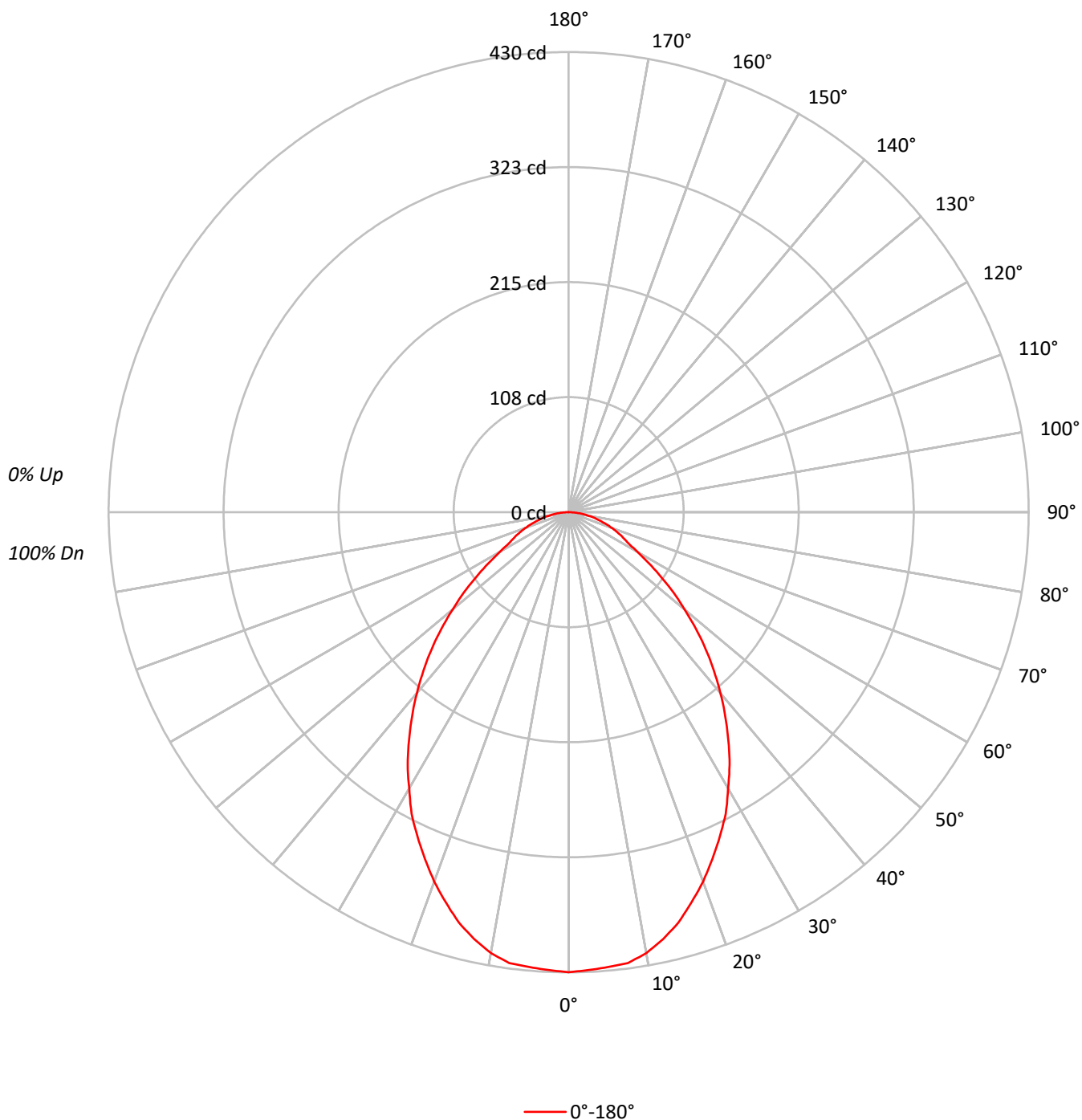
Lumens per Lamp: N/A
Luminaire Lumens: 799.2 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
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		
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°	13257
5°	13205
10°	13098
15°	12671
20°	12053
25°	11374
30°	10614
35°	9795
40°	8884
45°	7902
50°	6793
55°	5666
60°	4570
65°	4086
70°	3859
75°	3527
80°	3214
85°	2901

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7902 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	5.1
10°-20°	111.2	13.9
20°-30°	153.6	19.2
30°-40°	162.4	20.3
40°-50°	139.5	17.5
50°-60°	94.9	11.9
60°-70°	56.0	7.0
70°-80°	31.9	4.0
80°-90°	9.2	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°	305.4	38.2
0°-40°	467.8	58.5
0°-60°	702.1	87.9
0°-90°	799.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	430	
5°	427	41
15°	397	111
25°	334	154
35°	260	162
45°	181	139
55°	105	95
65°	56	56
75°	30	32
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	429.9
2.5°	428.2
5°	426.6
7.5°	424.9
10°	418.3
12.5°	408.4
15°	396.9
17.5°	382.1
20°	367.3
22.5°	350.8
25°	334.3
27.5°	317.9
30°	298.1
32.5°	280.0
35°	260.2
37.5°	240.5
40°	220.7
42.5°	200.9
45°	181.2
47.5°	161.4
50°	141.6
52.5°	123.5
55°	105.4
57.5°	88.9
60°	74.1
62.5°	62.6
65°	56.0
67.5°	49.4
70°	42.8
72.5°	36.2
75°	29.6
77.5°	24.7
80°	18.1
82.5°	13.2
85°	8.2
87.5°	3.3
90°	0.0

(END OF REPORT)