

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: P1503785

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503785
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 (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

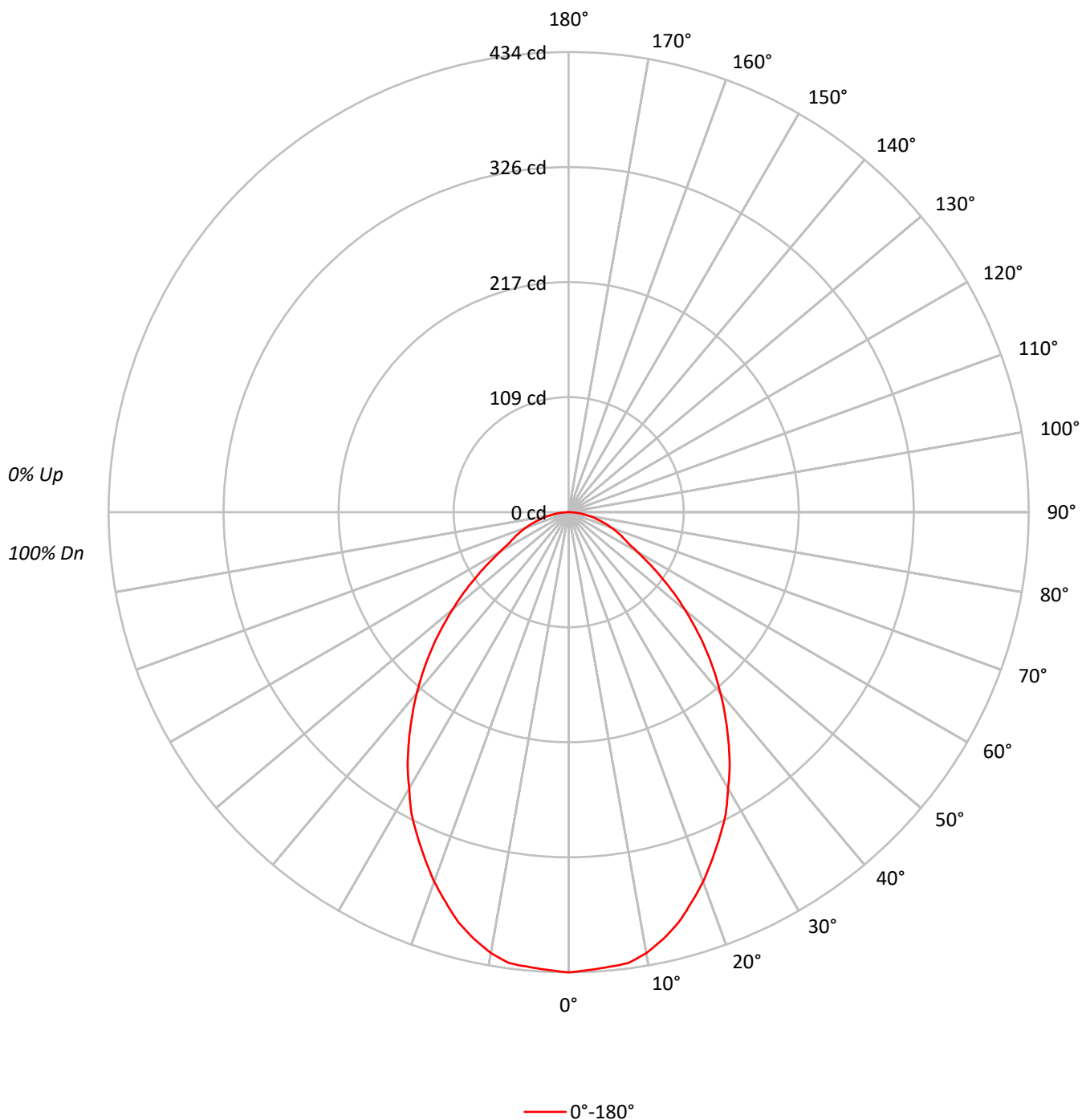
Lumens per Lamp: N/A
Luminaire Lumens: 806.8 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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°	13383
5°	13329
10°	13223
15°	12792
20°	12168
25°	11483
30°	10714
35°	9889
40°	8969
45°	7976
50°	6860
55°	5720
60°	4613
65°	4123
70°	3895
75°	3562
80°	3250
85°	2937

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7976 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	5.1
10°-20°	112.3	13.9
20°-30°	155.1	19.2
30°-40°	163.9	20.3
40°-50°	140.8	17.4
50°-60°	95.8	11.9
60°-70°	56.5	7.0
70°-80°	32.2	4.0
80°-90°	9.3	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°	308.3	38.2
0°-40°	472.2	58.5
0°-60°	708.8	87.9
0°-90°	806.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	434	
5°	431	41
15°	401	112
25°	338	155
35°	263	164
45°	183	141
55°	106	96
65°	56	57
75°	30	32
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	434.0
2.5°	432.3
5°	430.6
7.5°	429.0
10°	422.3
12.5°	412.3
15°	400.7
17.5°	385.7
20°	370.8
22.5°	354.1
25°	337.5
27.5°	320.9
30°	300.9
32.5°	282.7
35°	262.7
37.5°	242.7
40°	222.8
42.5°	202.8
45°	182.9
47.5°	162.9
50°	143.0
52.5°	124.7
55°	106.4
57.5°	89.8
60°	74.8
62.5°	63.2
65°	56.5
67.5°	49.9
70°	43.2
72.5°	36.6
75°	29.9
77.5°	24.9
80°	18.3
82.5°	13.3
85°	8.3
87.5°	3.3
90°	0.0

(END OF REPORT)