

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: P1503782

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (4000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503782
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 (4000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

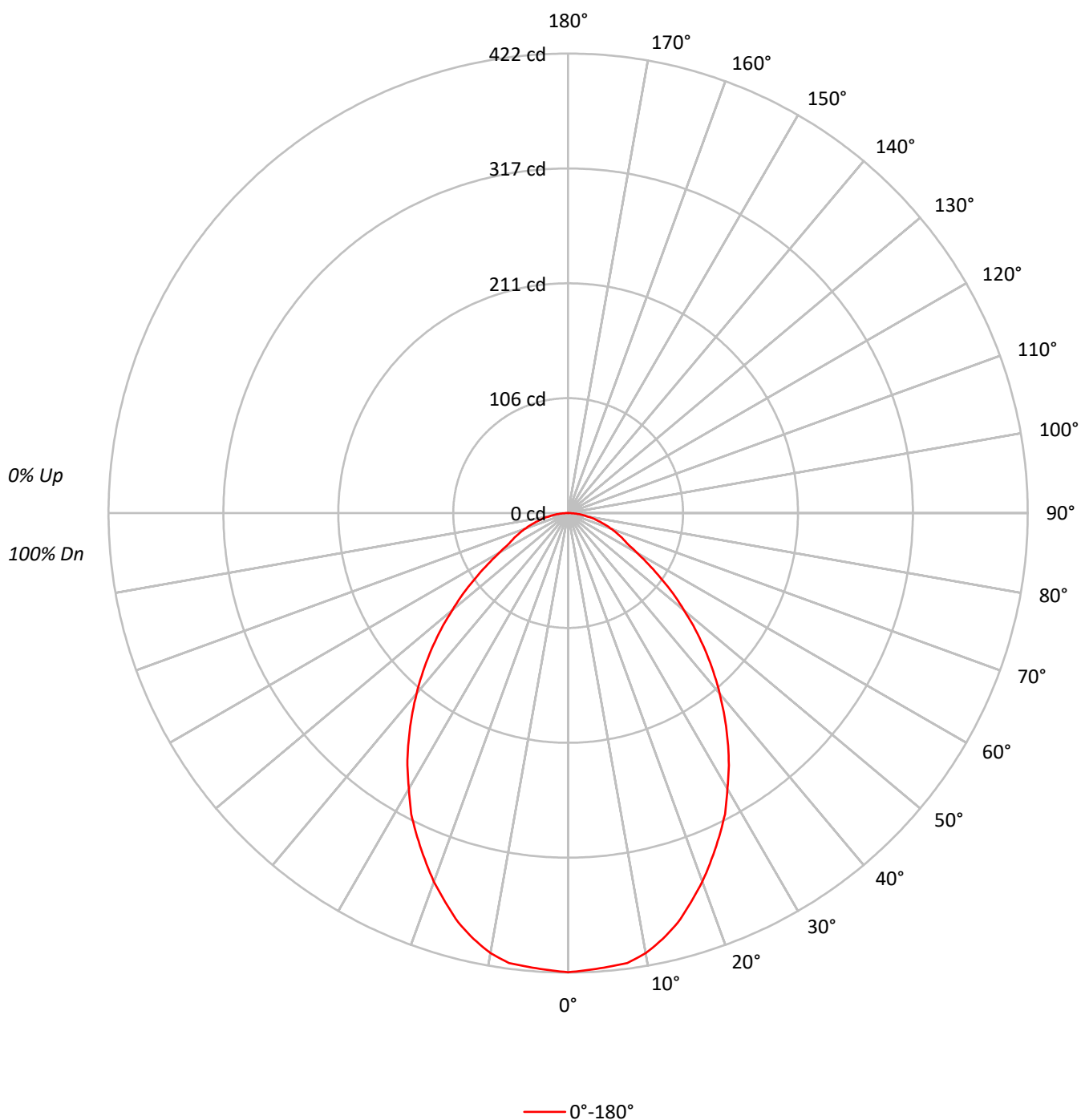
Lumens per Lamp: N/A
Luminaire Lumens: 784.0 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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			
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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87	
C	2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76	
R	3	94	85	78	72	92	83	77	71	81	75	70	78	73	69	75	71	68	66	
C	4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	
R	5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52	
C	6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46	
R	7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	
C	8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38	
R	9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34	
C	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°	13004
5°	12951
10°	12850
15°	12431
20°	11823
25°	11160
30°	10411
35°	9611
40°	8715
45°	7749
50°	6663
55°	5559
60°	4484
65°	4006
70°	3787
75°	3467
80°	3161
85°	2866

MAXIMUM LUMINANCE 45°-90°:

Luminance: 7749 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	5.1
10°-20°	109.1	13.9
20°-30°	150.7	19.2
30°-40°	159.3	20.3
40°-50°	136.8	17.4
50°-60°	93.1	11.9
60°-70°	54.9	7.0
70°-80°	31.3	4.0
80°-90°	9.0	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°	299.6	38.2
0°-40°	458.9	58.5
0°-60°	688.8	87.9
0°-90°	784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	784.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	422	
5°	418	40
15°	389	109
25°	328	151
35°	255	159
45°	178	137
55°	103	93
65°	55	55
75°	29	31
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	421.7
2.5°	420.1
5°	418.4
7.5°	416.8
10°	410.4
12.5°	400.7
15°	389.4
17.5°	374.8
20°	360.3
22.5°	344.1
25°	328.0
27.5°	311.8
30°	292.4
32.5°	274.7
35°	255.3
37.5°	235.9
40°	216.5
42.5°	197.1
45°	177.7
47.5°	158.3
50°	138.9
52.5°	121.2
55°	103.4
57.5°	87.2
60°	72.7
62.5°	61.4
65°	54.9
67.5°	48.5
70°	42.0
72.5°	35.5
75°	29.1
77.5°	24.2
80°	17.8
82.5°	12.9
85°	8.1
87.5°	3.2
90°	0.0

(END OF REPORT)