

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: P1503728

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503728
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 (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

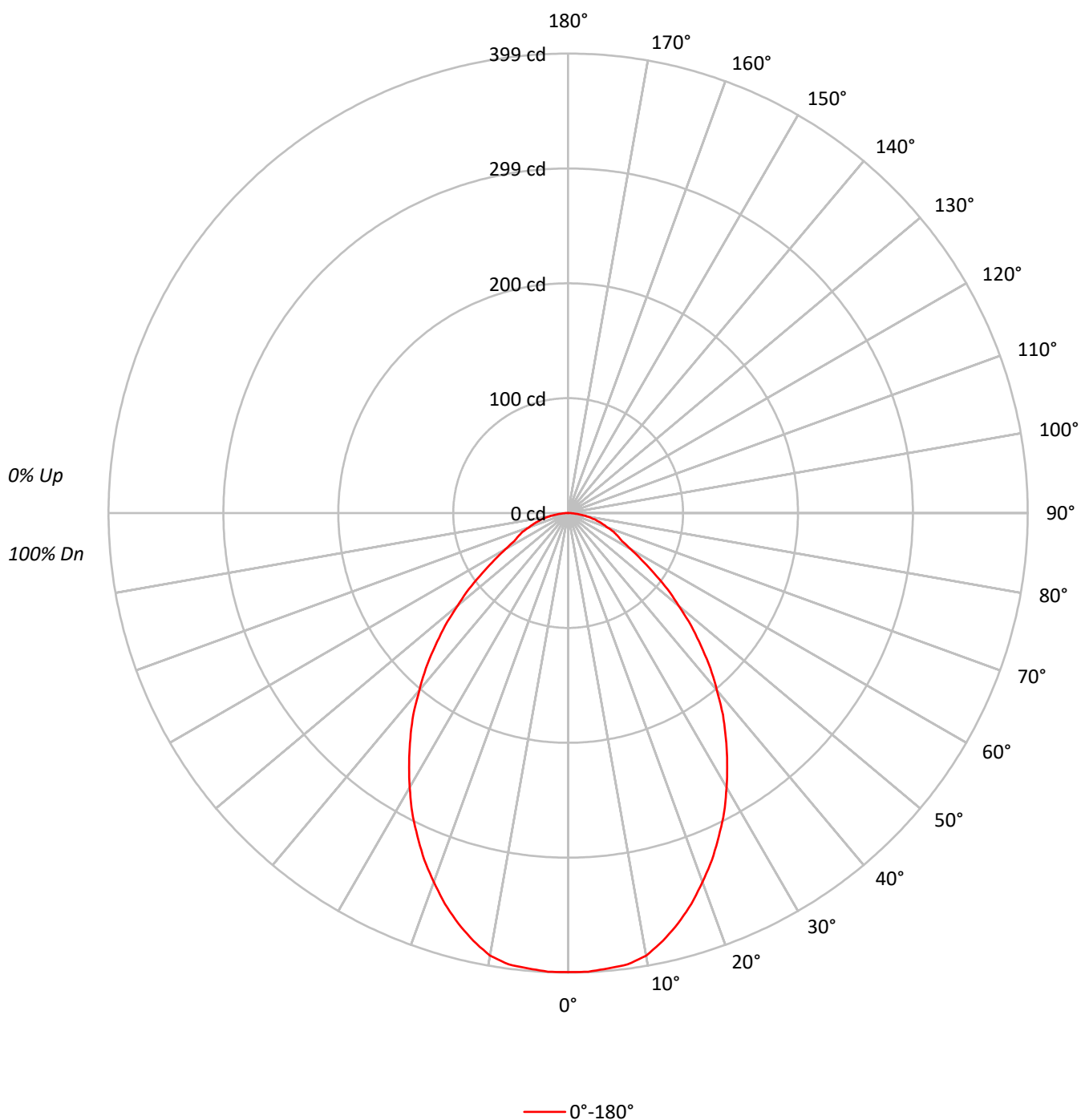
Lumens per Lamp: N/A
Luminaire Lumens: 724.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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		
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	
C	2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	
R	3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66	
C	4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59	
R	5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	
C	6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47	
R	7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42	
C	8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38	
R	9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35	
C	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°	12291
5°	12286
10°	12221
15°	11777
20°	11187
25°	10534
30°	9792
35°	8989
40°	8087
45°	7108
50°	6006
55°	4871
60°	3861
65°	3488
70°	3264
75°	3145
80°	2930
85°	2335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7108 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	5.2
10°-20°	103.5	14.3
20°-30°	142.2	19.6
30°-40°	149.0	20.6
40°-50°	125.8	17.4
50°-60°	82.2	11.4
60°-70°	47.7	6.6
70°-80°	27.8	3.8
80°-90°	8.1	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°	283.5	39.2
0°-40°	432.4	59.7
0°-60°	640.4	88.5
0°-90°	724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	399	
5°	397	38
15°	369	104
25°	310	142
35°	239	149
45°	163	126
55°	91	82
65°	48	48
75°	26	28
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	398.6
2.5°	398.6
5°	396.9
7.5°	395.3
10°	390.3
12.5°	380.4
15°	368.9
17.5°	355.7
20°	340.9
22.5°	326.1
25°	309.6
27.5°	293.2
30°	275.0
32.5°	256.9
35°	238.8
37.5°	220.7
40°	200.9
42.5°	182.8
45°	163.0
47.5°	144.9
50°	125.2
52.5°	108.7
55°	90.6
57.5°	75.8
60°	62.6
62.5°	52.7
65°	47.8
67.5°	42.8
70°	36.2
72.5°	31.3
75°	26.4
77.5°	21.4
80°	16.5
82.5°	11.5
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)