

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: P1503734

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OC (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503734
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 (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

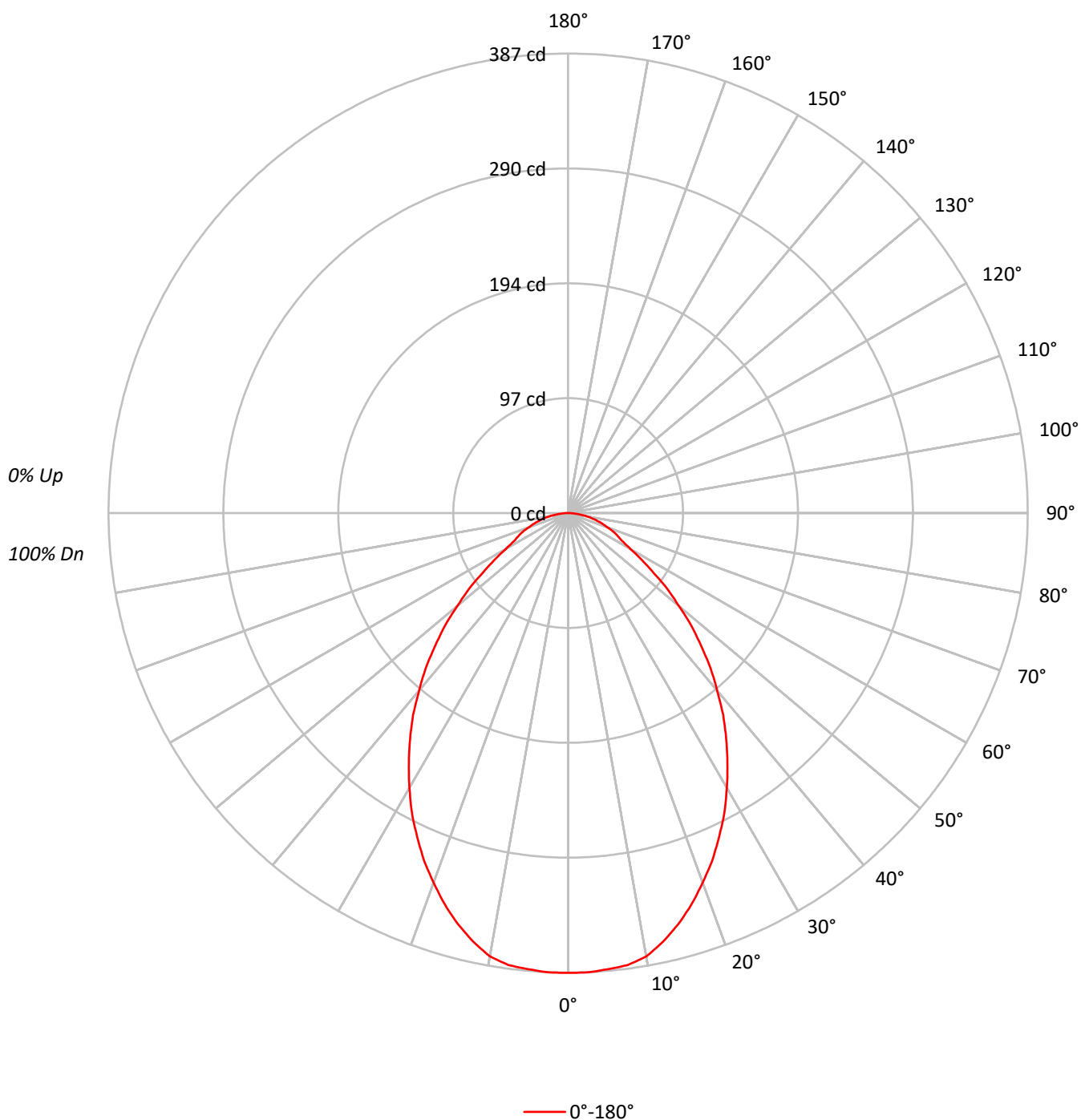
Lumens per Lamp: N/A
Luminaire Lumens: 703.3 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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	50	30	10	50	30	10		
R	C																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87							
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76							
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66							
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	61	59							
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52							
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47							
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42							
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38							
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35							
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°	11940
5°	11936
10°	11874
15°	11442
20°	10868
25°	10234
30°	9514
35°	8733
40°	7858
45°	6908
50°	5833
55°	4731
60°	3750
65°	3386
70°	3174
75°	3050
80°	2841
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6908 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.6	5.2
10°-20°	100.6	14.3
20°-30°	138.2	19.6
30°-40°	144.7	20.6
40°-50°	122.2	17.4
50°-60°	79.9	11.4
60°-70°	46.3	6.6
70°-80°	27.0	3.8
80°-90°	7.8	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°	275.4	39.2
0°-40°	420.1	59.7
0°-60°	622.2	88.5
0°-90°	703.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	387	
5°	386	37
15°	358	101
25°	301	138
35°	232	145
45°	158	122
55°	88	80
65°	46	46
75°	26	27
85°	6	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	387.2
2.5°	387.2
5°	385.6
7.5°	384.0
10°	379.2
12.5°	369.6
15°	358.4
17.5°	345.6
20°	331.2
22.5°	316.8
25°	300.8
27.5°	284.8
30°	267.2
32.5°	249.6
35°	232.0
37.5°	214.4
40°	195.2
42.5°	177.6
45°	158.4
47.5°	140.8
50°	121.6
52.5°	105.6
55°	88.0
57.5°	73.6
60°	60.8
62.5°	51.2
65°	46.4
67.5°	41.6
70°	35.2
72.5°	30.4
75°	25.6
77.5°	20.8
80°	16.0
82.5°	11.2
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)