

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: P1503686

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-14)
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-BRNZ-XX-OC (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

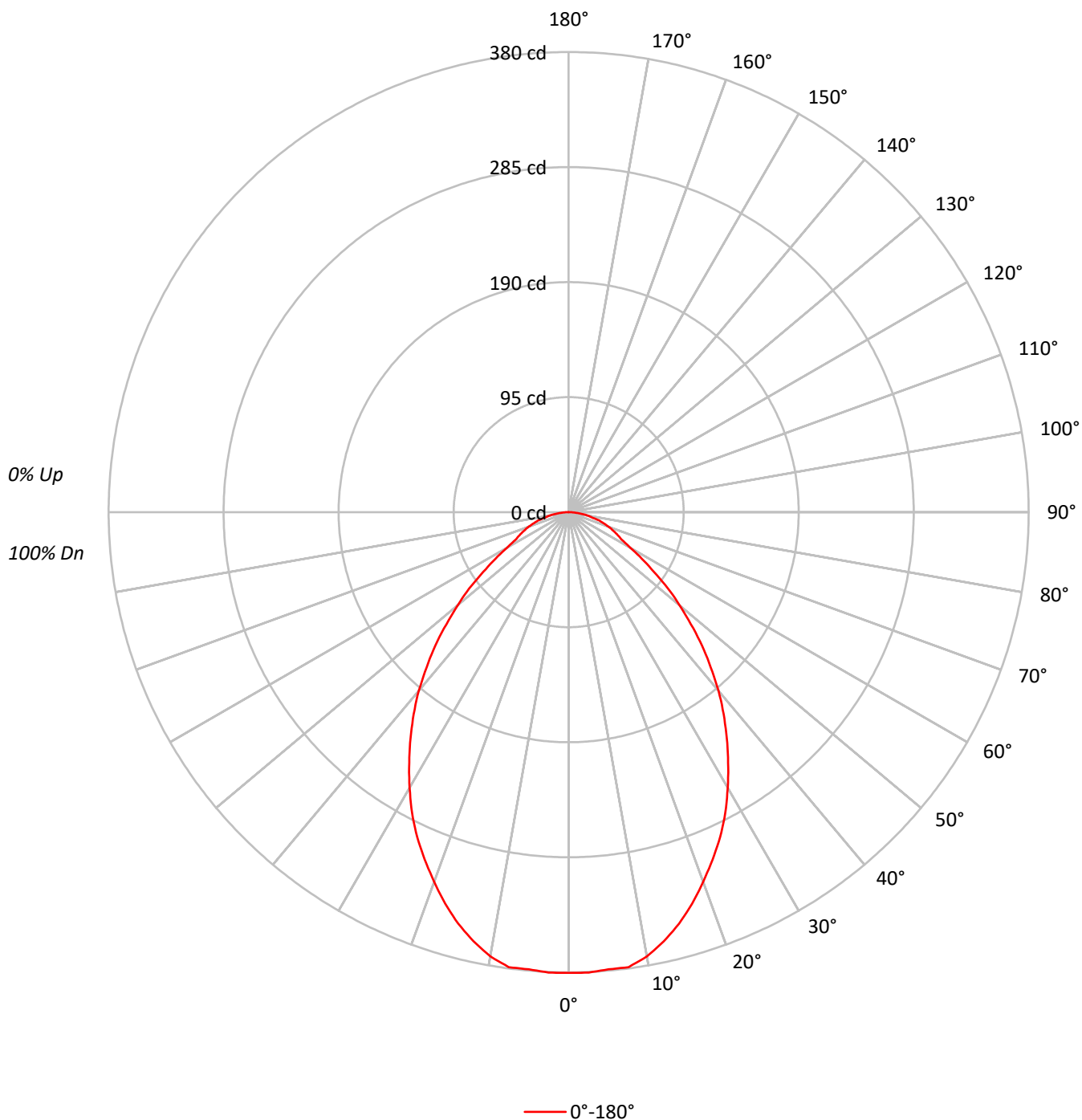
Lumens per Lamp: N/A
Luminaire Lumens: 689.4 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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				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	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	69	67			
4	88	77	69	64	85	76	69	63	73	67	62	71	66	61	69	65	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	55	50	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°	11733
5°	11729
10°	11664
15°	11234
20°	10658
25°	10075
30°	9354
35°	8572
40°	7753
45°	6803
50°	5728
55°	4623
60°	3633
65°	3254
70°	3156
75°	3038
80°	2824
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6803 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	5.2
10°-20°	98.7	14.3
20°-30°	135.8	19.7
30°-40°	142.2	20.6
40°-50°	119.7	17.4
50°-60°	78.0	11.3
60°-70°	44.7	6.5
70°-80°	26.4	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°	270.5	39.2
0°-40°	412.7	59.9
0°-60°	610.5	88.5
0°-90°	689.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	689.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	380	
5°	379	36
15°	352	99
25°	296	136
35°	228	142
45°	156	120
55°	86	78
65°	45	45
75°	26	26
85°	6	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	380.5
2.5°	380.5
5°	378.9
7.5°	378.9
10°	372.5
12.5°	363.0
15°	351.9
17.5°	339.1
20°	324.8
22.5°	310.5
25°	296.1
27.5°	280.2
30°	262.7
32.5°	245.2
35°	227.7
37.5°	210.2
40°	192.6
42.5°	173.5
45°	156.0
47.5°	136.9
50°	119.4
52.5°	103.5
55°	86.0
57.5°	71.6
60°	58.9
62.5°	49.4
65°	44.6
67.5°	39.8
70°	35.0
72.5°	30.2
75°	25.5
77.5°	19.1
80°	15.9
82.5°	11.1
85°	6.4
87.5°	3.2
90°	0.0

(END OF REPORT)