

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: P1503697

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503697
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

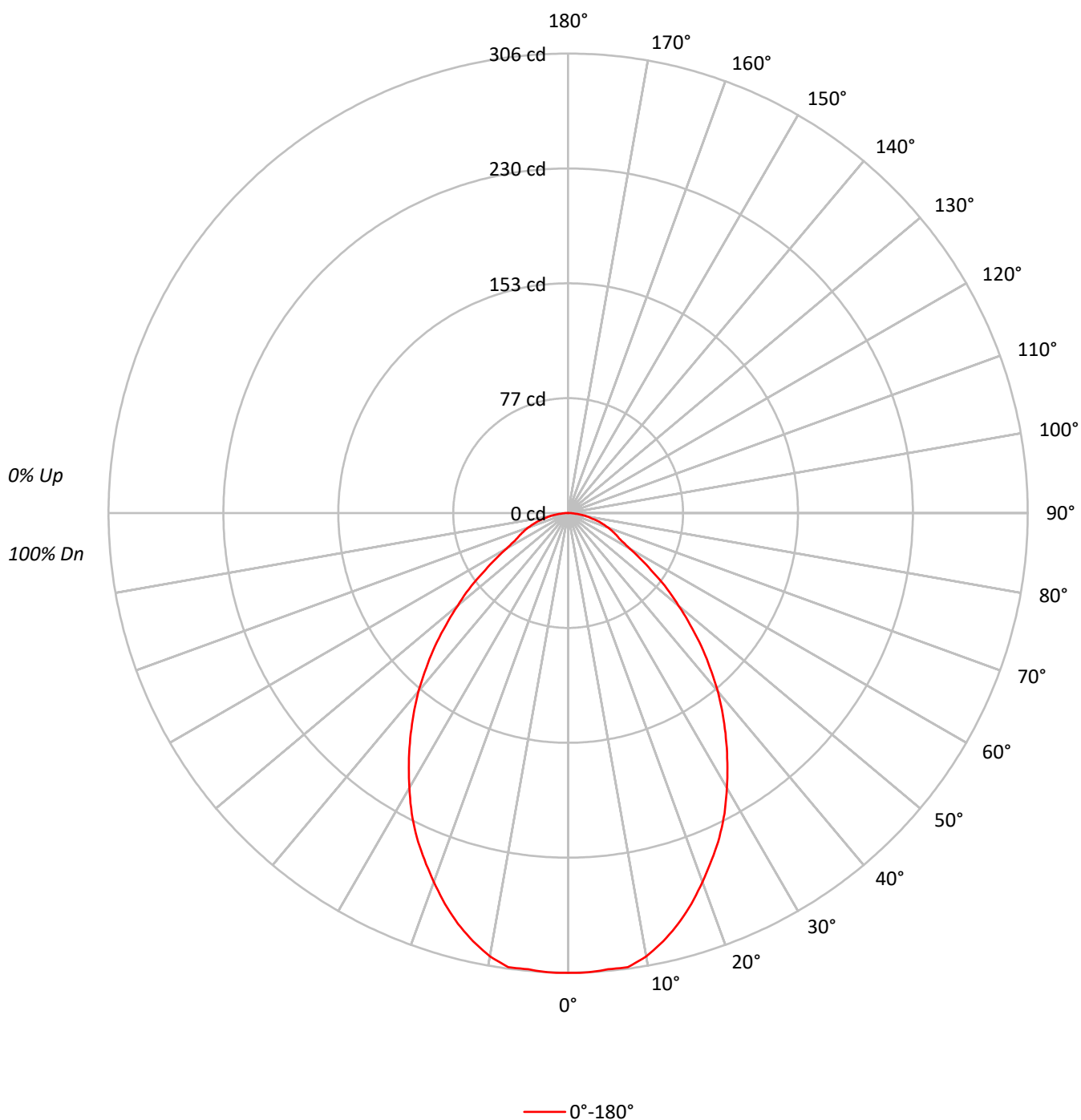
Lumens per Lamp: N/A
Luminaire Lumens: 554.9 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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°	9442
5°	9441
10°	9387
15°	9041
20°	8578
25°	8108
30°	7527
35°	6896
40°	6239
45°	5477
50°	4610
55°	3720
60°	2923
65°	2619
70°	2542
75°	2442
80°	2273
85°	1804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	5.2
10°-20°	79.4	14.3
20°-30°	109.3	19.7
30°-40°	114.4	20.6
40°-50°	96.4	17.4
50°-60°	62.8	11.3
60°-70°	36.0	6.5
70°-80°	21.3	3.8
80°-90°	6.3	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°	217.7	39.2
0°-40°	332.1	59.9
0°-60°	491.3	88.5
0°-90°	554.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	554.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	306	
5°	305	29
15°	283	79
25°	238	109
35°	183	114
45°	126	96
55°	69	63
65°	36	36
75°	20	21
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	306.2
2.5°	306.2
5°	305.0
7.5°	305.0
10°	299.8
12.5°	292.1
15°	283.2
17.5°	272.9
20°	261.4
22.5°	249.9
25°	238.3
27.5°	225.5
30°	211.4
32.5°	197.3
35°	183.2
37.5°	169.1
40°	155.0
42.5°	139.7
45°	125.6
47.5°	110.2
50°	96.1
52.5°	83.3
55°	69.2
57.5°	57.7
60°	47.4
62.5°	39.7
65°	35.9
67.5°	32.0
70°	28.2
72.5°	24.3
75°	20.5
77.5°	15.4
80°	12.8
82.5°	9.0
85°	5.1
87.5°	2.6
90°	0.0

(END OF REPORT)