

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: P1503667

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-WHTE-XX (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-02-LS-FS-D2W-XXXX-WHITE-XX (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

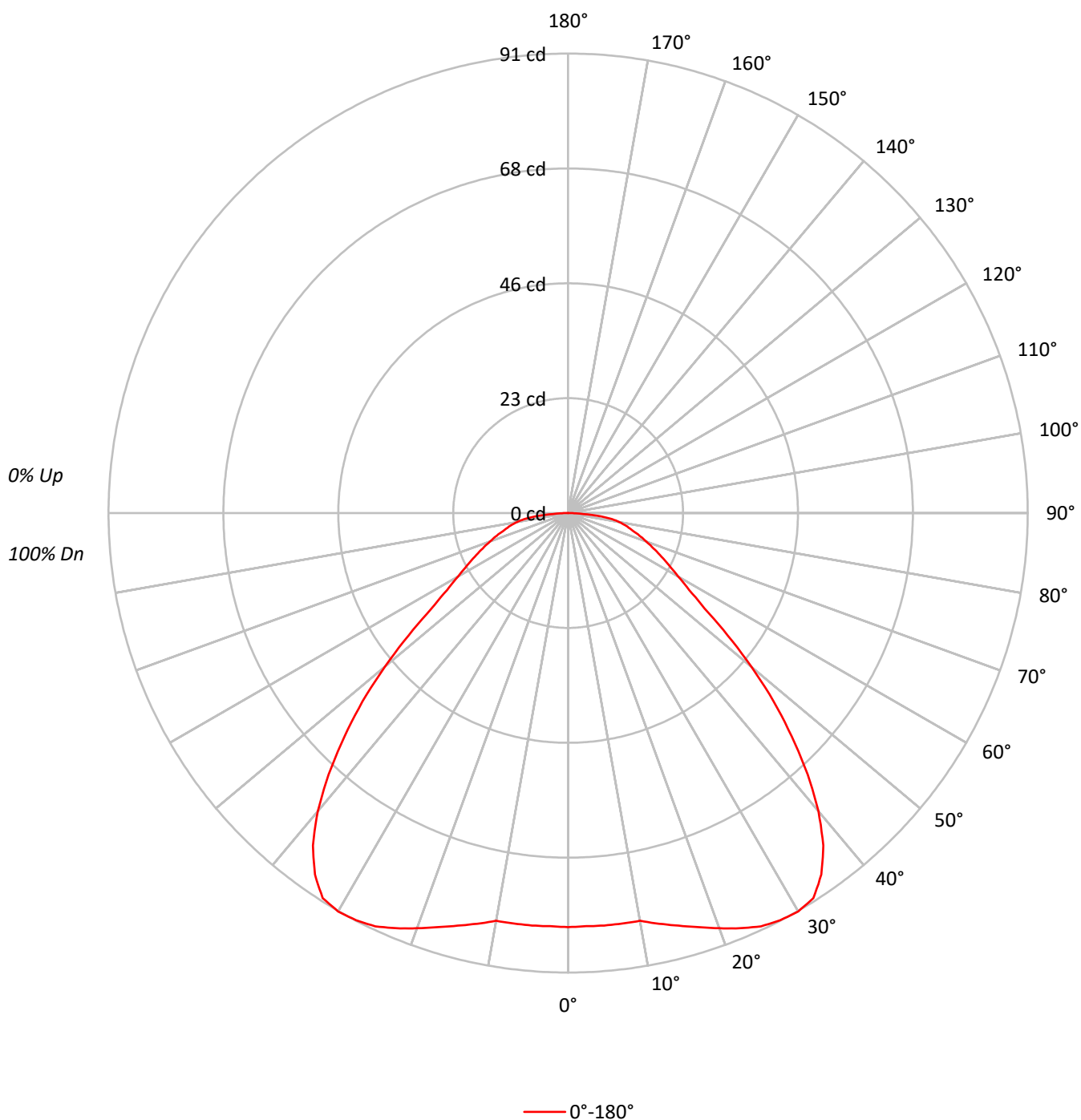
Lumens per Lamp: N/A
Luminaire Lumens: 246.2 lumens
Efficiency: N/A
Efficacy: 28.0 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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				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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	37			
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	34	33			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2529
5°	2538
10°	2568
15°	2701
20°	2871
25°	3072
30°	3244
35°	3290
40°	3104
45°	2730
50°	2269
55°	1774
60°	1554
65°	1488
70°	1479
75°	1561
80°	1829
85°	1875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2730 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	3.2
10°-20°	24.1	9.8
20°-30°	41.6	16.9
30°-40°	54.0	21.9
40°-50°	48.1	19.5
50°-60°	30.6	12.4
60°-70°	20.3	8.3
70°-80°	14.0	5.7
80°-90°	5.6	2.3
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°	73.6	29.9
0°-40°	127.5	51.8
0°-60°	206.3	83.8
0°-90°	246.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	246.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	82	
5°	82	8
15°	85	24
25°	90	42
35°	87	54
45°	63	48
55°	33	31
65°	20	20
75°	13	14
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	82.0
2.5°	81.9
5°	82.0
7.5°	82.0
10°	82.0
12.5°	83.3
15°	84.6
17.5°	86.0
20°	87.5
22.5°	89.0
25°	90.3
27.5°	90.9
30°	91.1
32.5°	90.4
35°	87.4
37.5°	83.0
40°	77.1
42.5°	70.2
45°	62.6
47.5°	55.2
50°	47.3
52.5°	39.8
55°	33.0
57.5°	28.4
60°	25.2
62.5°	22.6
65°	20.4
67.5°	18.3
70°	16.4
72.5°	14.8
75°	13.1
77.5°	11.8
80°	10.3
82.5°	8.5
85°	5.3
87.5°	1.5
90°	0.0

(END OF REPORT)