

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: P1503619

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503619
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-010-XXXX-WHTE-XX (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

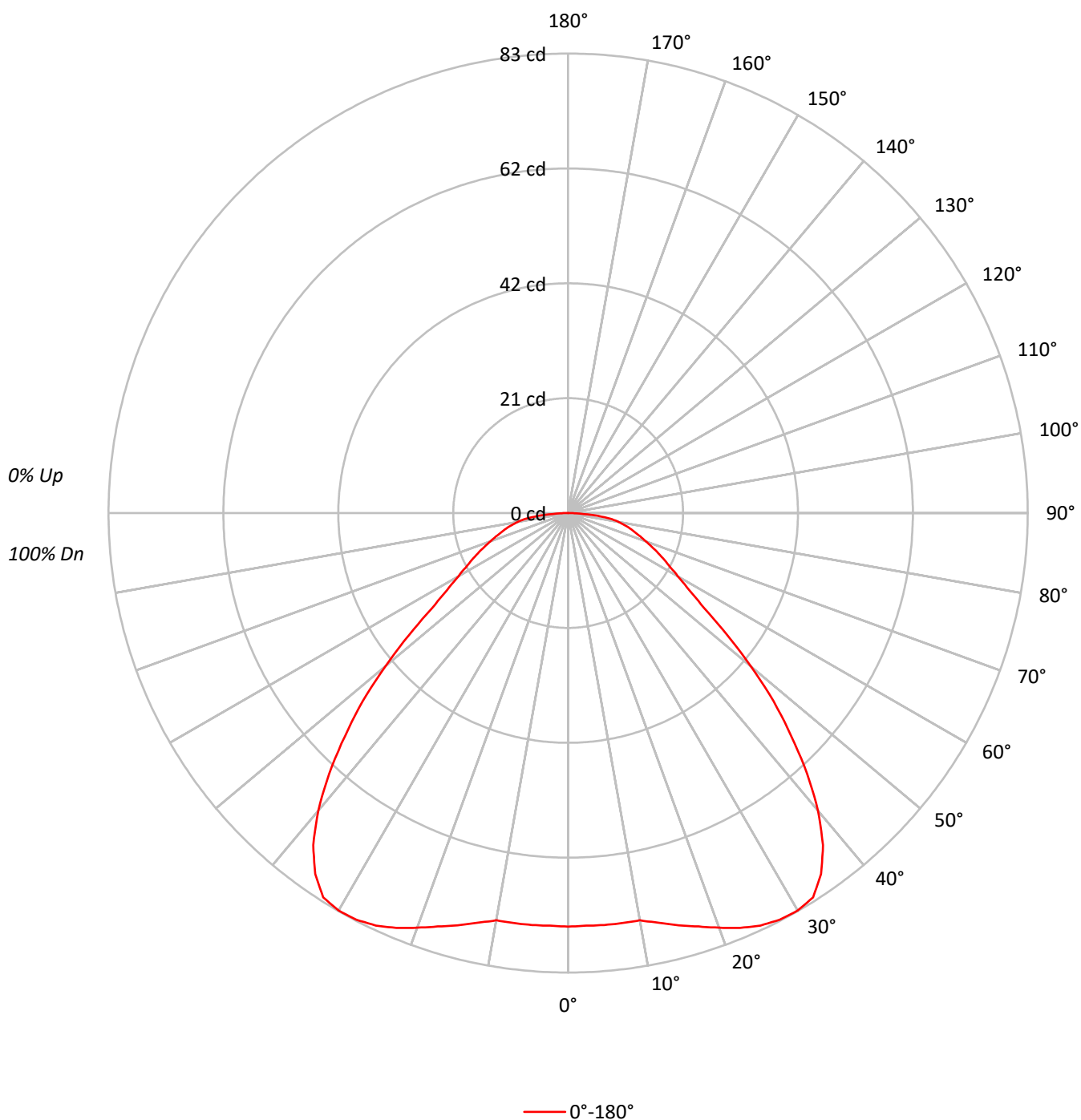
Lumens per Lamp: N/A
Luminaire Lumens: 224.1 lumens
Efficiency: N/A
Efficacy: 27.3 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85			
2	100	92	86	80	98	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	44	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	35	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°	2303
5°	2312
10°	2339
15°	2461
20°	2615
25°	2797
30°	2952
35°	2996
40°	2826
45°	2486
50°	2068
55°	1613
60°	1412
65°	1357
70°	1343
75°	1430
80°	1651
85°	1734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2486 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	3.2
10°-20°	21.9	9.8
20°-30°	37.9	16.9
30°-40°	49.2	21.9
40°-50°	43.8	19.6
50°-60°	27.9	12.4
60°-70°	18.5	8.2
70°-80°	12.7	5.7
80°-90°	5.1	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°	67.0	29.9
0°-40°	116.1	51.8
0°-60°	187.9	83.8
0°-90°	224.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	224.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	75	
5°	75	7
15°	77	22
25°	82	38
35°	80	49
45°	57	44
55°	30	28
65°	19	18
75°	12	13
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	74.7
2.5°	74.6
5°	74.7
7.5°	74.7
10°	74.7
12.5°	75.8
15°	77.1
17.5°	78.3
20°	79.7
22.5°	81.1
25°	82.2
27.5°	82.8
30°	82.9
32.5°	82.3
35°	79.6
37.5°	75.6
40°	70.2
42.5°	63.9
45°	57.0
47.5°	50.3
50°	43.1
52.5°	36.2
55°	30.0
57.5°	25.9
60°	22.9
62.5°	20.5
65°	18.6
67.5°	16.7
70°	14.9
72.5°	13.4
75°	12.0
77.5°	10.7
80°	9.3
82.5°	7.7
85°	4.9
87.5°	1.4
90°	0.0

(END OF REPORT)