

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: P1503618

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-WHTE-XX (4000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503618
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

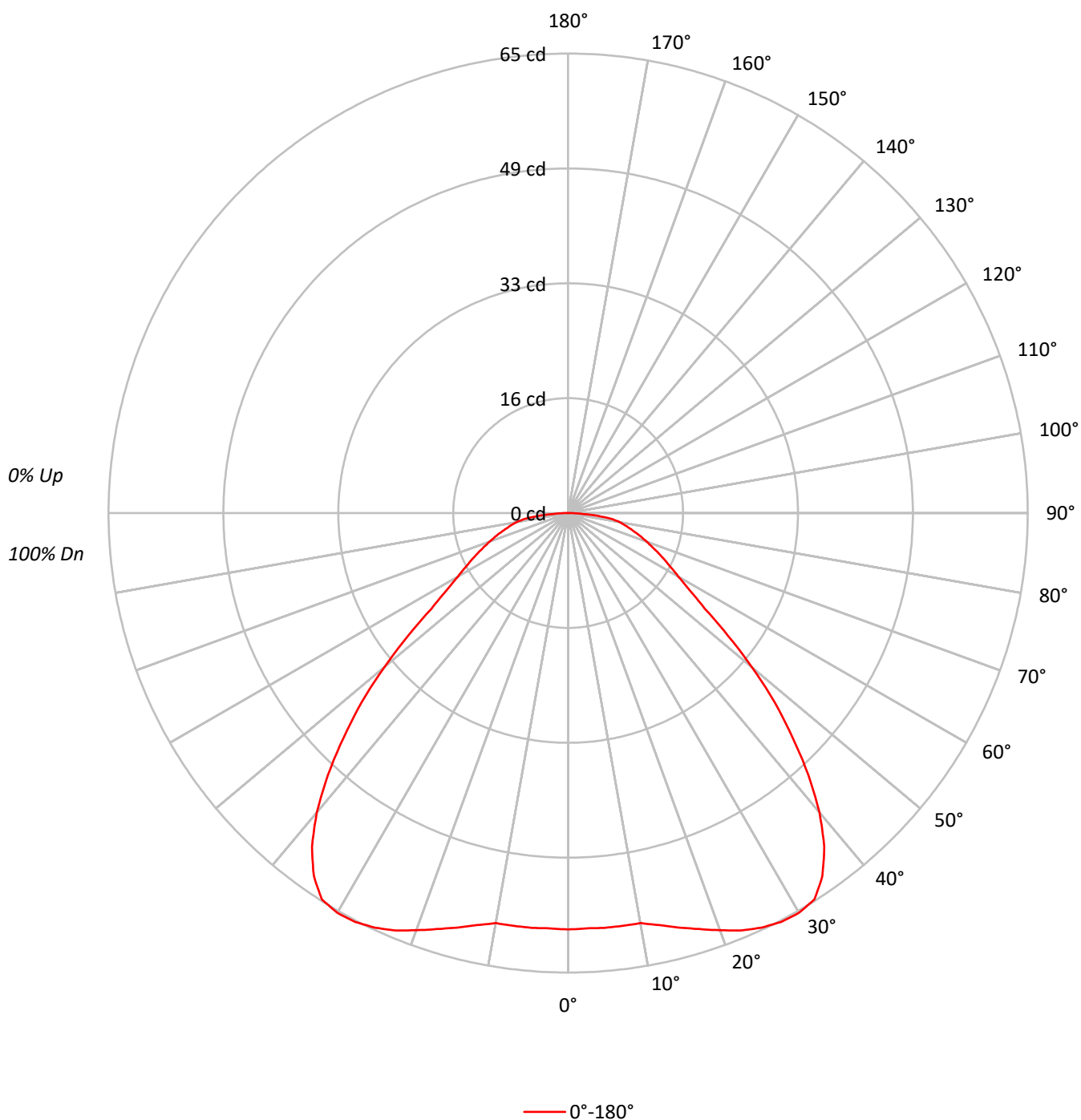
Lumens per Lamp: N/A
Luminaire Lumens: 176.5 lumens
Efficiency: N/A
Efficacy: 27.2 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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	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	33	28	27								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1816
5°	1823
10°	1844
15°	1938
20°	2061
25°	2201
30°	2325
35°	2360
40°	2226
45°	1958
50°	1626
55°	1269
60°	1110
65°	1065
70°	1064
75°	1120
80°	1314
85°	1344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	3.2
10°-20°	17.3	9.8
20°-30°	29.9	16.9
30°-40°	38.7	21.9
40°-50°	34.5	19.5
50°-60°	21.9	12.4
60°-70°	14.6	8.2
70°-80°	10.0	5.7
80°-90°	4.0	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°	52.8	29.9
0°-40°	91.5	51.8
0°-60°	147.9	83.8
0°-90°	176.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	176.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	59	
5°	59	6
15°	61	17
25°	65	30
35°	63	39
45°	45	35
55°	24	22
65°	15	15
75°	9	10
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	58.9
2.5°	58.8
5°	58.9
7.5°	58.9
10°	58.9
12.5°	59.7
15°	60.7
17.5°	61.7
20°	62.8
22.5°	63.9
25°	64.7
27.5°	65.2
30°	65.3
32.5°	64.8
35°	62.7
37.5°	59.5
40°	55.3
42.5°	50.3
45°	44.9
47.5°	39.6
50°	33.9
52.5°	28.5
55°	23.6
57.5°	20.4
60°	18.0
62.5°	16.2
65°	14.6
67.5°	13.1
70°	11.8
72.5°	10.6
75°	9.4
77.5°	8.4
80°	7.4
82.5°	6.1
85°	3.8
87.5°	1.1
90°	0.0

(END OF REPORT)