

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: P1503628

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-BRNZ-XX (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PentaLux
Catalog Number: PRLX-SM4-02-LS-FS-D2W-XXXX-BRNZ-XX (3000K-800LM)
Description: PentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

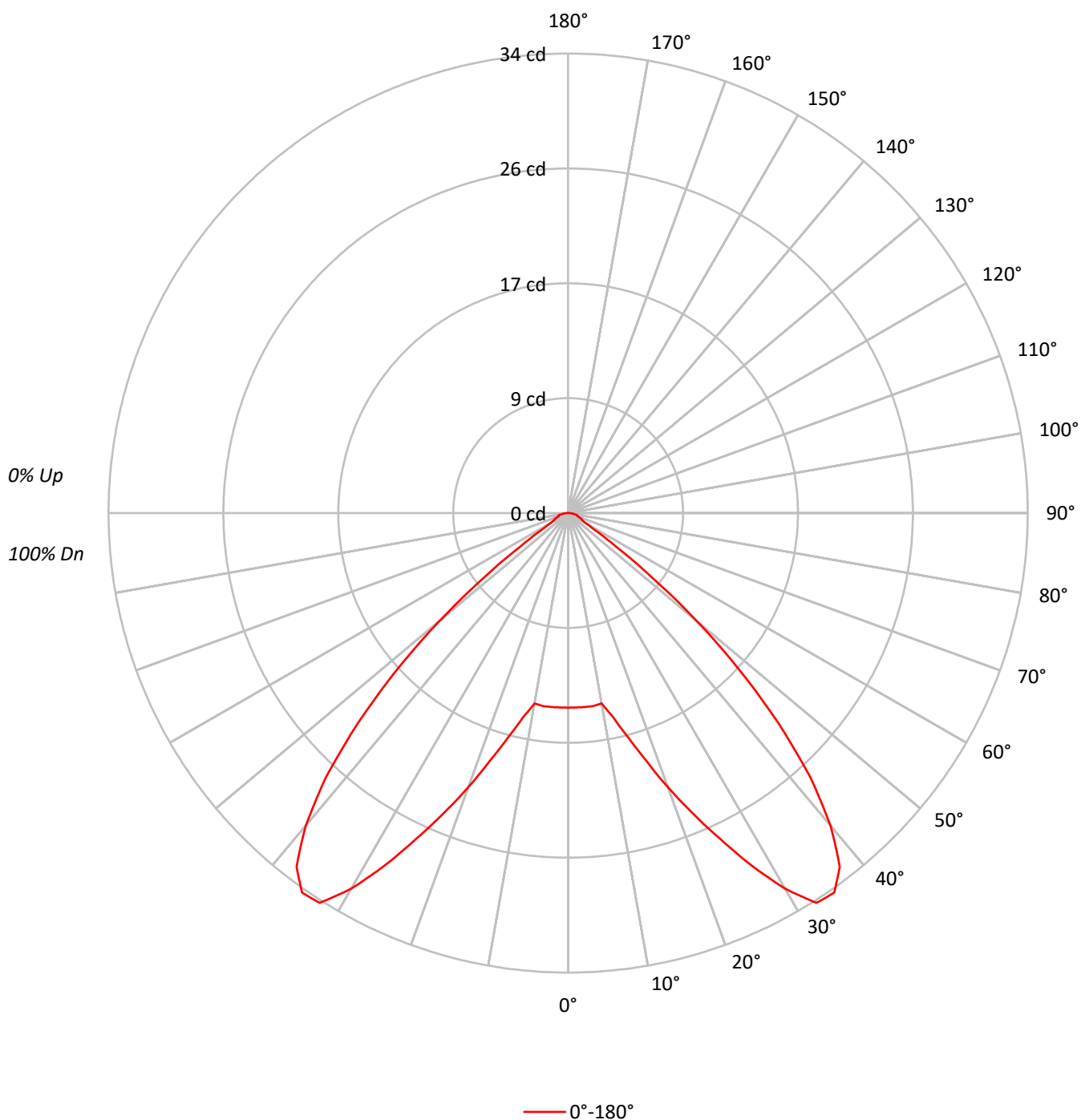
Lumens per Lamp: N/A
Luminaire Lumens: 63.2 lumens
Efficiency: N/A
Efficacy: 7.2 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 2.04 / 1.66
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89			
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69			
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	70	66	62	60			
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	47	43	41			
8	65	53	45	39	64	52	44	39	51	44	39	50	43	39	48	43	39	37			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	35	33			
10	57	44	36	31	55	44	36	31	43	36	31	42	36	31	41	35	31	29			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	444
5°	446
10°	448
15°	549
20°	709
25°	905
30°	1143
35°	1291
40°	1216
45°	959
50°	595
55°	231
60°	93
65°	80
70°	72
75°	83
80°	71
85°	106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 959 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	2.2
10°-20°	5.1	8.0
20°-30°	12.5	19.8
30°-40°	20.8	32.9
40°-50°	16.7	26.4
50°-60°	4.7	7.4
60°-70°	1.1	1.7
70°-80°	0.7	1.1
80°-90°	0.3	0.4
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°	18.9	30.0
0°-40°	39.7	62.9
0°-60°	61.1	96.7
0°-90°	63.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	63.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14	
5°	14	1
15°	17	5
25°	27	13
35°	34	21
45°	22	17
55°	4	5
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	14.4
2.5°	14.4
5°	14.4
7.5°	14.4
10°	14.3
12.5°	15.5
15°	17.2
17.5°	19.2
20°	21.6
22.5°	24.0
25°	26.6
27.5°	29.4
30°	32.1
32.5°	34.2
35°	34.3
37.5°	33.0
40°	30.2
42.5°	26.5
45°	22.0
47.5°	17.2
50°	12.4
52.5°	7.8
55°	4.3
57.5°	2.3
60°	1.5
62.5°	1.2
65°	1.1
67.5°	1.0
70°	0.8
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.4
82.5°	0.4
85°	0.3
87.5°	0.1
90°	0.0

(END OF REPORT)