

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: P1503738

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OC (4000K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-15)
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-BRSS-XX-OC (4000K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

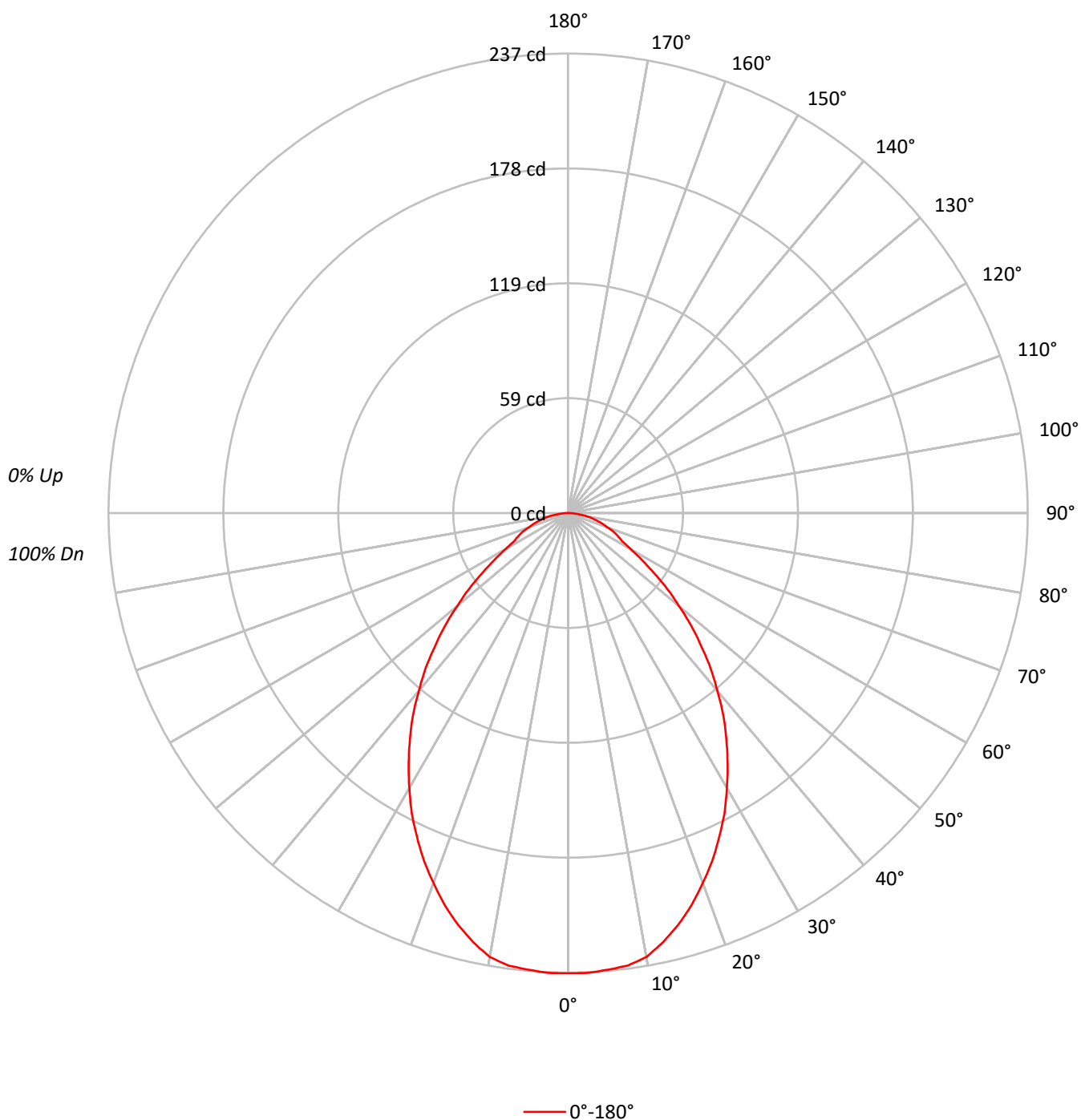
Lumens per Lamp: N/A
Luminaire Lumens: 431.2 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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	68	66		
4	88	77	69	63	85	76	69	63	73	67	62	71	66	61	69	64	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	54	49	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°	7321
5°	7318
10°	7280
15°	7014
20°	6665
25°	6274
30°	5832
35°	5353
40°	4818
45°	4234
50°	3579
55°	2903
60°	2300
65°	2072
70°	1947
75°	1871
80°	1740
85°	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4234 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	5.2
10°-20°	61.7	14.3
20°-30°	84.7	19.6
30°-40°	88.7	20.6
40°-50°	74.9	17.4
50°-60°	49.0	11.4
60°-70°	28.4	6.6
70°-80°	16.6	3.8
80°-90°	4.8	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°	168.8	39.2
0°-40°	257.6	59.7
0°-60°	381.4	88.5
0°-90°	431.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	431.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	237	
5°	236	22
15°	220	62
25°	184	85
35°	142	89
45°	97	75
55°	54	49
65°	28	28
75°	16	17
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	237.4
2.5°	237.4
5°	236.4
7.5°	235.4
10°	232.5
12.5°	226.6
15°	219.7
17.5°	211.9
20°	203.1
22.5°	194.2
25°	184.4
27.5°	174.6
30°	163.8
32.5°	153.0
35°	142.2
37.5°	131.4
40°	119.7
42.5°	108.9
45°	97.1
47.5°	86.3
50°	74.6
52.5°	64.7
55°	54.0
57.5°	45.1
60°	37.3
62.5°	31.4
65°	28.4
67.5°	25.5
70°	21.6
72.5°	18.6
75°	15.7
77.5°	12.8
80°	9.8
82.5°	6.9
85°	3.9
87.5°	2.0
90°	0.0

(END OF REPORT)