

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: P1503740

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OC (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503740
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 (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

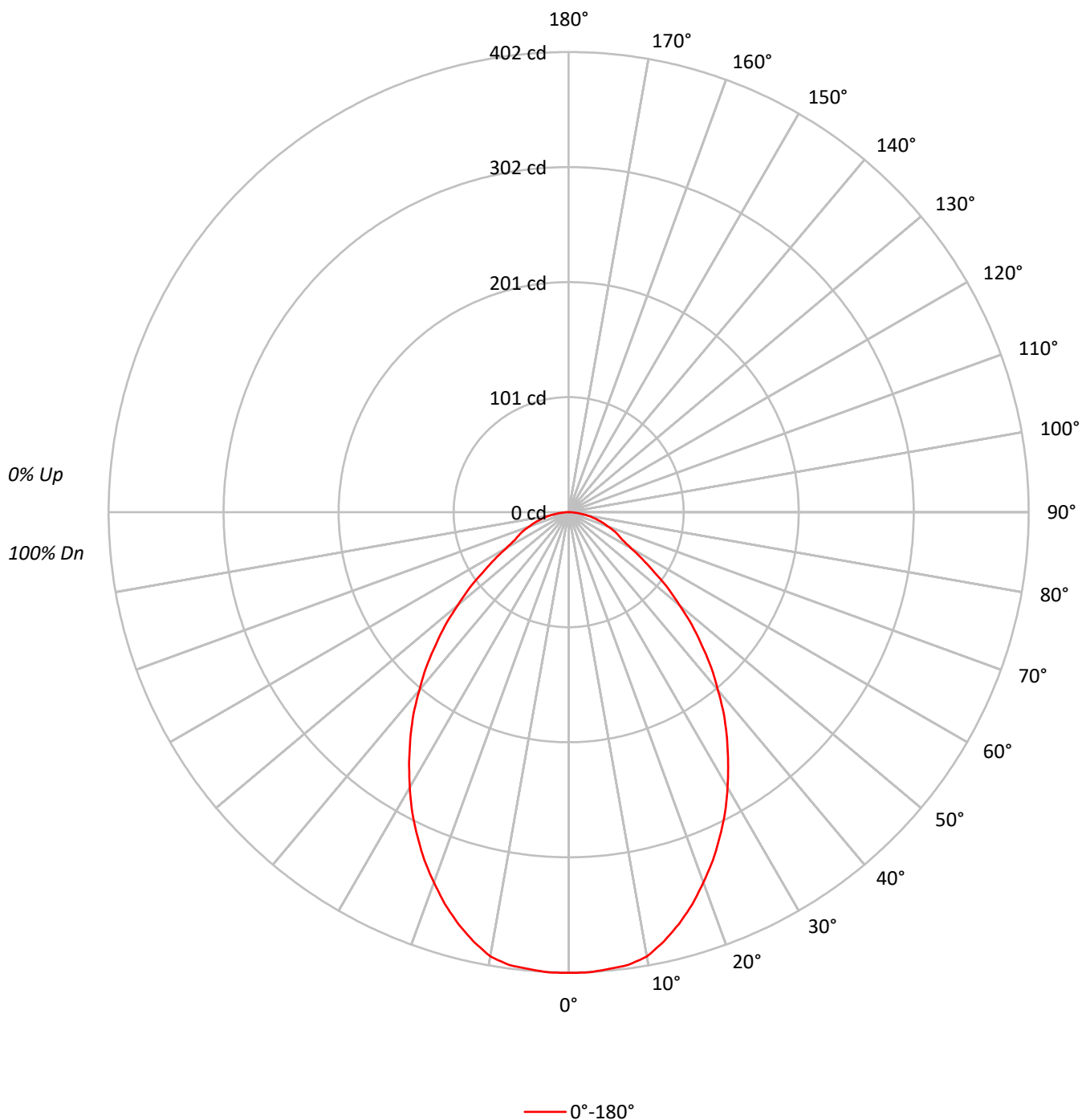
Lumens per Lamp: N/A
Luminaire Lumens: 730.9 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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	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°	12409
5°	12403
10°	12340
15°	11889
20°	11295
25°	10636
30°	9888
35°	9076
40°	8164
45°	7178
50°	6064
55°	4914
60°	3898
65°	3517
70°	3300
75°	3169
80°	2948
85°	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.1	5.2
10°-20°	104.5	14.3
20°-30°	143.6	19.6
30°-40°	150.4	20.6
40°-50°	127.0	17.4
50°-60°	83.0	11.4
60°-70°	48.1	6.6
70°-80°	28.1	3.8
80°-90°	8.1	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°	286.2	39.2
0°-40°	436.6	59.7
0°-60°	646.6	88.5
0°-90°	730.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	730.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	402	
5°	401	38
15°	372	104
25°	313	144
35°	241	150
45°	165	127
55°	91	83
65°	48	48
75°	27	28
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	402.4
2.5°	402.4
5°	400.7
7.5°	399.0
10°	394.1
12.5°	384.1
15°	372.4
17.5°	359.1
20°	344.2
22.5°	329.2
25°	312.6
27.5°	296.0
30°	277.7
32.5°	259.4
35°	241.1
37.5°	222.8
40°	202.8
42.5°	184.6
45°	164.6
47.5°	146.3
50°	126.4
52.5°	109.7
55°	91.4
57.5°	76.5
60°	63.2
62.5°	53.2
65°	48.2
67.5°	43.2
70°	36.6
72.5°	31.6
75°	26.6
77.5°	21.6
80°	16.6
82.5°	11.6
85°	6.7
87.5°	3.3
90°	0.0

(END OF REPORT)