

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: P1503725

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-9)
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-ND (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

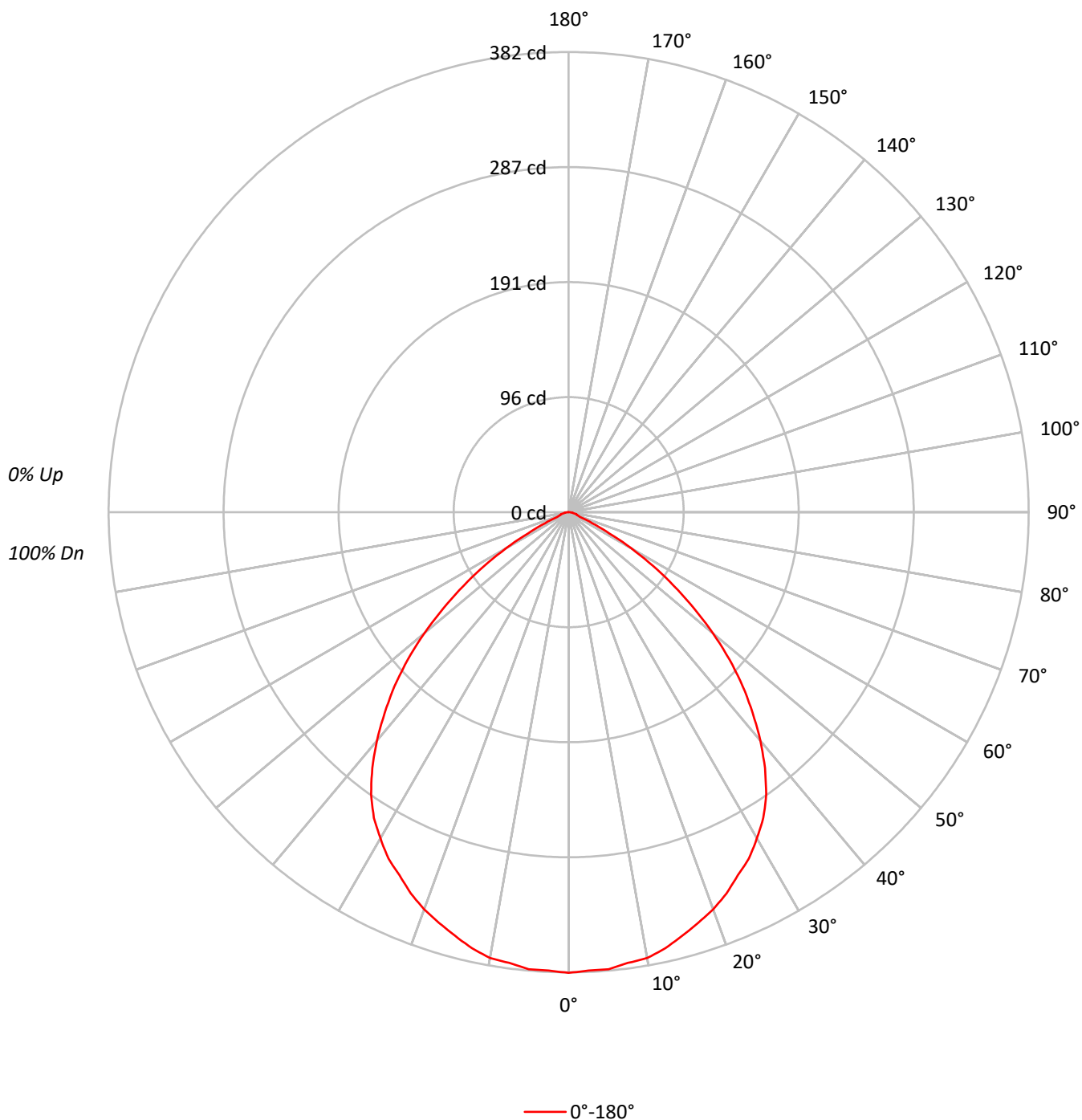
Lumens per Lamp: N/A
Luminaire Lumens: 755.5 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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			
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61		
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55		
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44		
8	67	55	47	42	66	54	47	42	53	46	42	52	46	42	51	45	41	40		
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	34	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11792
5°	11787
10°	11767
15°	11624
20°	11512
25°	11313
30°	11131
35°	10766
40°	9971
45°	8918
50°	7498
55°	5720
60°	3694
65°	1576
70°	748
75°	798
80°	586
85°	601

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8918 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	4.8
10°-20°	102.8	13.6
20°-30°	153.5	20.3
30°-40°	177.4	23.5
40°-50°	156.6	20.7
50°-60°	95.4	12.6
60°-70°	25.4	3.4
70°-80°	6.4	0.8
80°-90°	1.8	0.2
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°	292.4	38.7
0°-40°	469.8	62.2
0°-60°	721.8	95.5
0°-90°	755.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	382	
5°	381	36
15°	364	103
25°	332	153
35°	286	177
45°	204	157
55°	106	95
65°	22	25
75°	7	6
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	382.4
2.5°	380.8
5°	380.8
7.5°	377.4
10°	375.8
12.5°	370.8
15°	364.1
17.5°	357.5
20°	350.8
22.5°	342.5
25°	332.5
27.5°	324.2
30°	312.6
32.5°	300.9
35°	286.0
37.5°	267.7
40°	247.7
42.5°	226.1
45°	204.5
47.5°	181.2
50°	156.3
52.5°	131.4
55°	106.4
57.5°	83.1
60°	59.9
62.5°	38.2
65°	21.6
67.5°	10.0
70°	8.3
72.5°	6.7
75°	6.7
77.5°	5.0
80°	3.3
82.5°	3.3
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)