

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: P1503872

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-OC (4000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503872
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-D2W-XXXX-BRSS-XX-OC (4000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

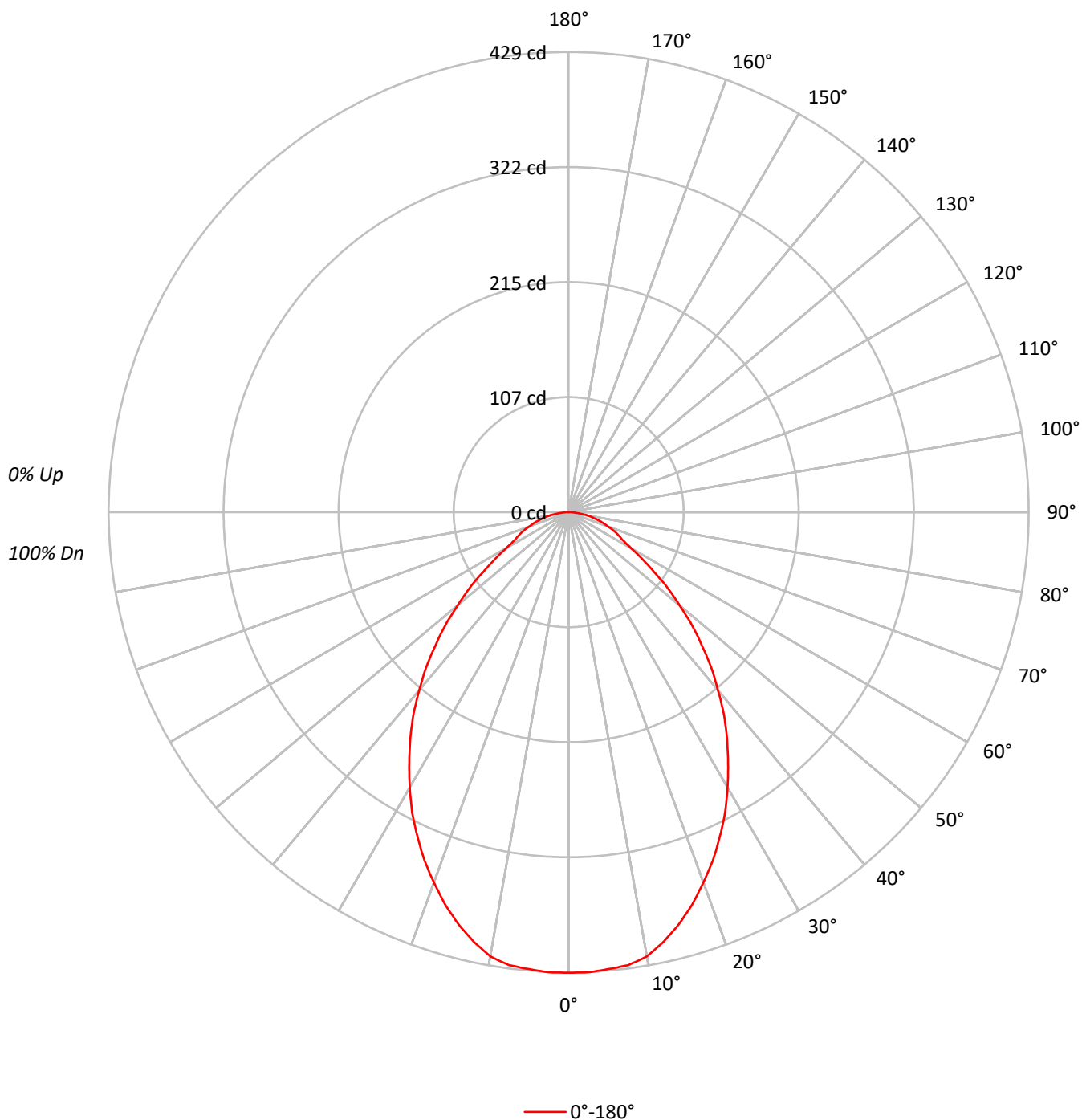
Lumens per Lamp: N/A
Luminaire Lumens: 780.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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°	13241
5°	13236
10°	13167
15°	12690
20°	12053
25°	11350
30°	10550
35°	9686
40°	8715
45°	7662
50°	6472
55°	5247
60°	4157
65°	3758
70°	3516
75°	3384
80°	3143
85°	2512

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7662 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	5.2
10°-20°	111.5	14.3
20°-30°	153.2	19.6
30°-40°	160.5	20.6
40°-50°	135.6	17.4
50°-60°	88.6	11.4
60°-70°	51.4	6.6
70°-80°	29.9	3.8
80°-90°	8.7	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°	305.4	39.2
0°-40°	465.9	59.7
0°-60°	690.0	88.5
0°-90°	780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	429	
5°	428	41
15°	398	112
25°	334	153
35°	257	161
45°	176	136
55°	98	89
65°	52	51
75°	28	30
85°	7	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	429.4
2.5°	429.4
5°	427.6
7.5°	425.9
10°	420.5
12.5°	409.9
15°	397.5
17.5°	383.3
20°	367.3
22.5°	351.3
25°	333.6
27.5°	315.9
30°	296.3
32.5°	276.8
35°	257.3
37.5°	237.8
40°	216.5
42.5°	197.0
45°	175.7
47.5°	156.2
50°	134.9
52.5°	117.1
55°	97.6
57.5°	81.6
60°	67.4
62.5°	56.8
65°	51.5
67.5°	46.1
70°	39.0
72.5°	33.7
75°	28.4
77.5°	23.1
80°	17.7
82.5°	12.4
85°	7.1
87.5°	3.5
90°	0.0

(END OF REPORT)