

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: P1503864

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-OC (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503864
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 (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

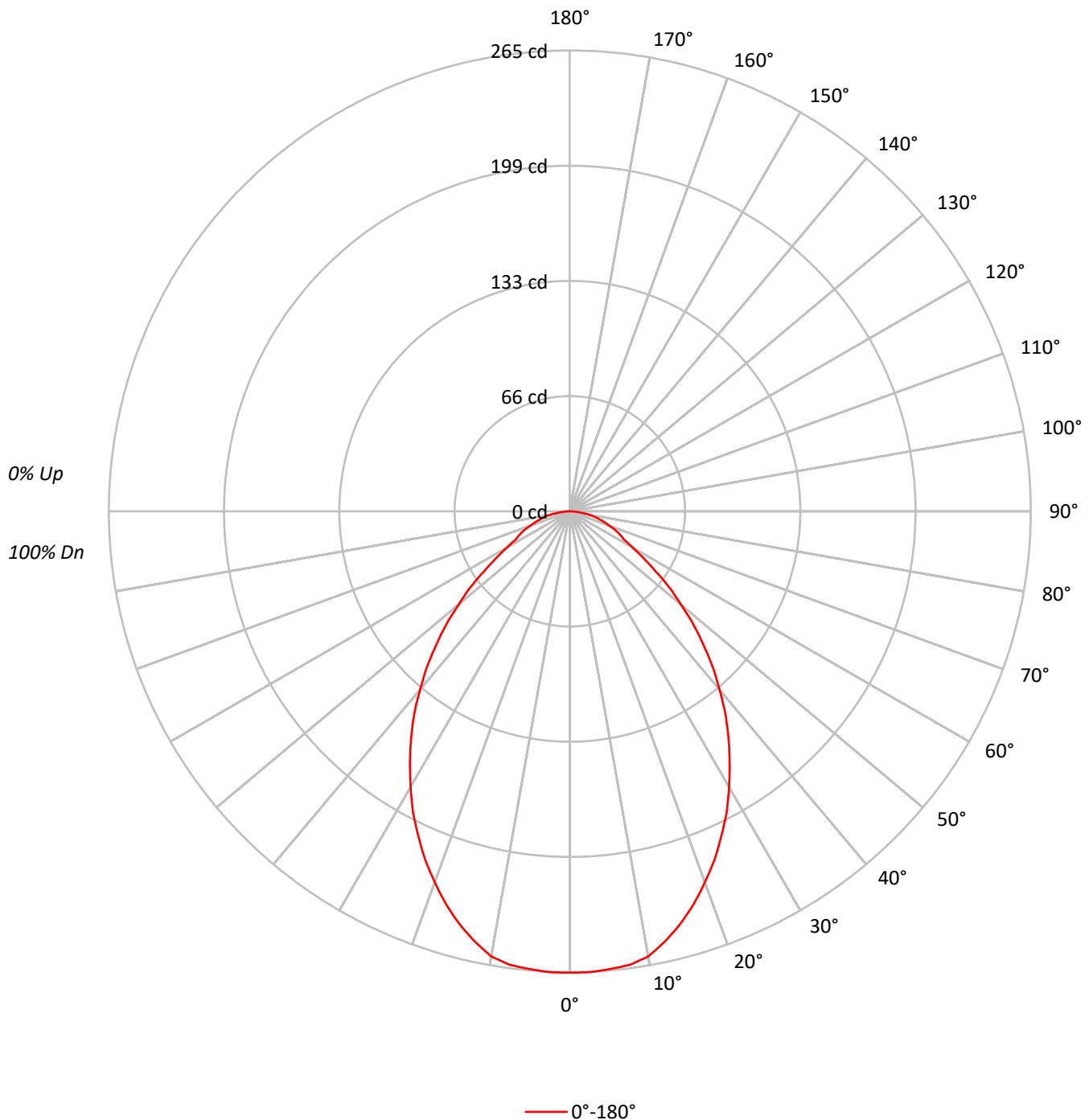
Lumens per Lamp: N/A
Luminaire Lumens: 482.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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°	8181
5°	8178
10°	8138
15°	7841
20°	7449
25°	7012
30°	6520
35°	5985
40°	5386
45°	4732
50°	3996
55°	3242
60°	2572
65°	2320
70°	2173
75°	2085
80°	1953
85°	1557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4732 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	5.2
10°-20°	68.9	14.3
20°-30°	94.7	19.6
30°-40°	99.2	20.6
40°-50°	83.7	17.4
50°-60°	54.7	11.4
60°-70°	31.7	6.6
70°-80°	18.5	3.8
80°-90°	5.4	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°	188.7	39.2
0°-40°	287.9	59.7
0°-60°	426.4	88.5
0°-90°	482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	265	
5°	264	25
15°	246	69
25°	206	95
35°	159	99
45°	108	84
55°	60	55
65°	32	32
75°	18	19
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	265.3
2.5°	265.3
5°	264.2
7.5°	263.1
10°	259.9
12.5°	253.3
15°	245.6
17.5°	236.8
20°	227.0
22.5°	217.1
25°	206.1
27.5°	195.2
30°	183.1
32.5°	171.0
35°	159.0
37.5°	146.9
40°	133.8
42.5°	121.7
45°	108.5
47.5°	96.5
50°	83.3
52.5°	72.4
55°	60.3
57.5°	50.4
60°	41.7
62.5°	35.1
65°	31.8
67.5°	28.5
70°	24.1
72.5°	20.8
75°	17.5
77.5°	14.3
80°	11.0
82.5°	7.7
85°	4.4
87.5°	2.2
90°	0.0

(END OF REPORT)