

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: P1503880

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-OT (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-12)
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-OT (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

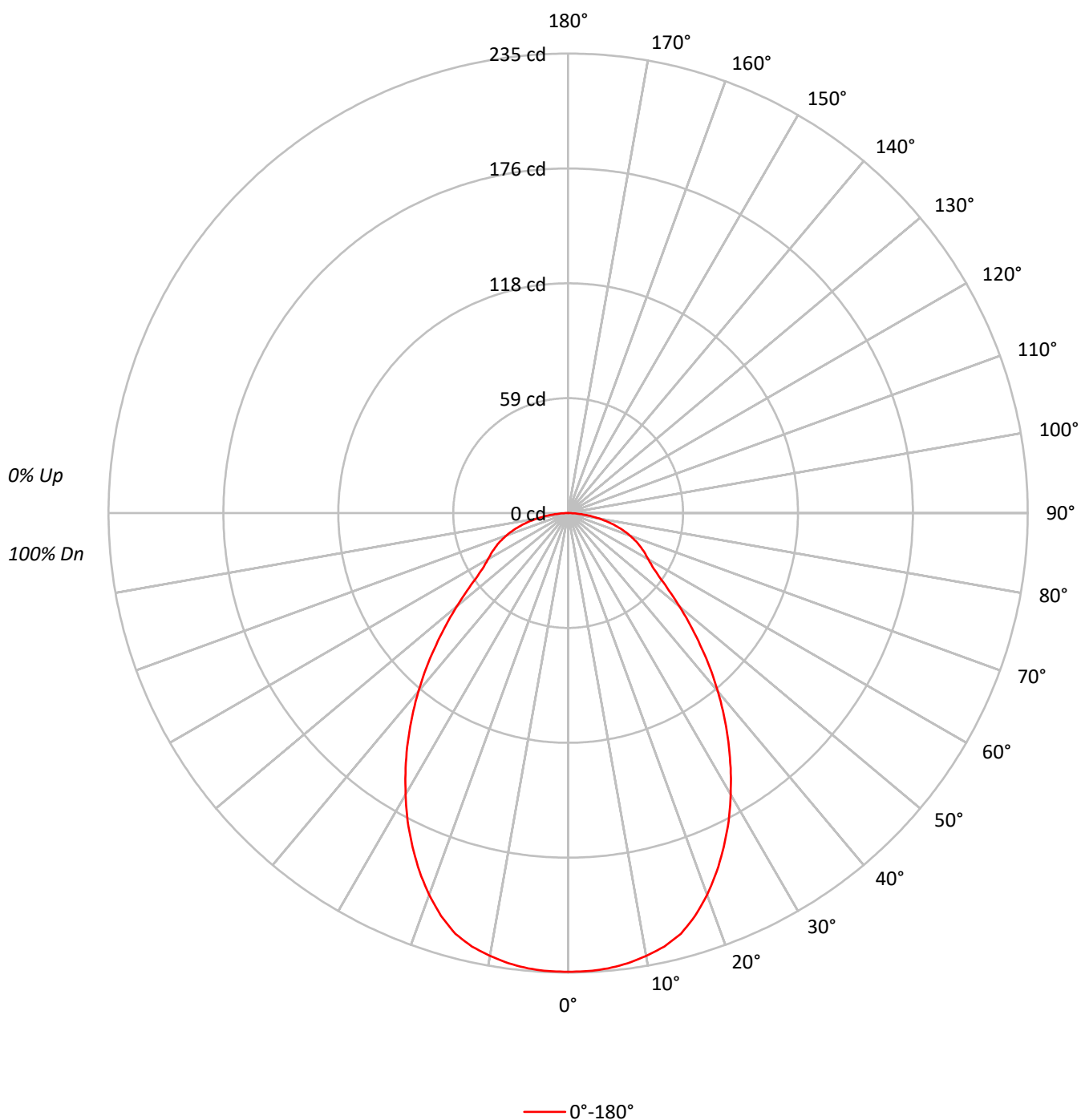
Lumens per Lamp: N/A
Luminaire Lumens: 460.7 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86							
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74							
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64							
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56							
5	80	68	60	53	78	67	59	53	65	58	53	63	57	52	61	56	52	50							
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44							
7	69	57	49	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40							
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36							
9	61	48	41	35	59	48	40	35	47	40	35	46	39	35	45	39	35	33							
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7234
5°	7237
10°	7202
15°	7113
20°	6819
25°	6407
30°	5918
35°	5379
40°	4794
45°	4165
50°	3560
55°	3054
60°	2917
65°	2984
70°	3020
75°	3002
80°	2841
85°	2406

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4165 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	4.8
10°-20°	62.4	13.5
20°-30°	86.4	18.8
30°-40°	89.1	19.3
40°-50°	73.9	16.0
50°-60°	52.2	11.3
60°-70°	40.3	8.7
70°-80°	26.4	5.7
80°-90°	7.8	1.7
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°	171.0	37.1
0°-40°	260.1	56.5
0°-60°	386.1	83.8
0°-90°	460.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	460.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	235	
5°	234	22
15°	223	62
25°	188	86
35°	143	89
45°	96	74
55°	57	52
65°	41	40
75°	25	26
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	234.6
2.5°	234.5
5°	233.8
7.5°	232.3
10°	230.0
12.5°	227.1
15°	222.8
17.5°	216.0
20°	207.8
22.5°	198.5
25°	188.3
27.5°	177.7
30°	166.2
32.5°	154.6
35°	142.9
37.5°	131.0
40°	119.1
42.5°	107.3
45°	95.5
47.5°	84.6
50°	74.2
52.5°	65.0
55°	56.8
57.5°	51.1
60°	47.3
62.5°	44.1
65°	40.9
67.5°	37.4
70°	33.5
72.5°	29.6
75°	25.2
77.5°	20.7
80°	16.0
82.5°	11.4
85°	6.8
87.5°	2.6
90°	0.0

(END OF REPORT)