

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: P1503730

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRSS-XX-OC (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503730
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 (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

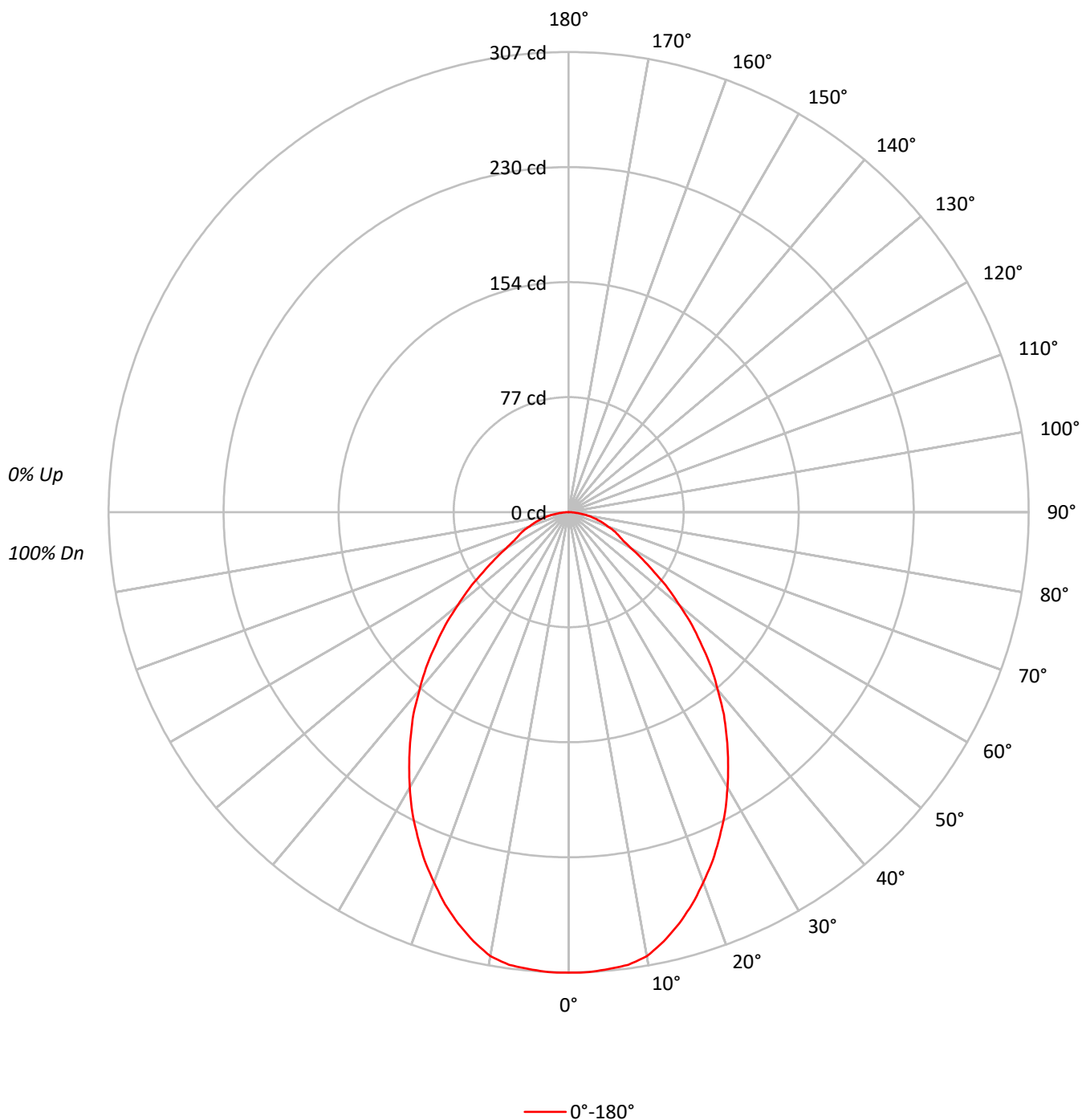
Lumens per Lamp: N/A
Luminaire Lumens: 557.9 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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°	9473
5°	9469
10°	9419
15°	9076
20°	8621
25°	8118
30°	7549
35°	6927
40°	6231
45°	5482
50°	4629
55°	3753
60°	2973
65°	2685
70°	2515
75°	2419
80°	2255
85°	1804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5482 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	5.2
10°-20°	79.8	14.3
20°-30°	109.6	19.6
30°-40°	114.8	20.6
40°-50°	97.0	17.4
50°-60°	63.4	11.4
60°-70°	36.7	6.6
70°-80°	21.4	3.8
80°-90°	6.2	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°	218.4	39.2
0°-40°	333.3	59.7
0°-60°	493.6	88.5
0°-90°	557.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	557.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	307	
5°	306	29
15°	284	80
25°	239	110
35°	184	115
45°	126	97
55°	70	63
65°	37	37
75°	20	21
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	307.2
2.5°	307.2
5°	305.9
7.5°	304.6
10°	300.8
12.5°	293.2
15°	284.3
17.5°	274.2
20°	262.7
22.5°	251.3
25°	238.6
27.5°	225.9
30°	212.0
32.5°	198.0
35°	184.0
37.5°	170.1
40°	154.8
42.5°	140.9
45°	125.7
47.5°	111.7
50°	96.5
52.5°	83.8
55°	69.8
57.5°	58.4
60°	48.2
62.5°	40.6
65°	36.8
67.5°	33.0
70°	27.9
72.5°	24.1
75°	20.3
77.5°	16.5
80°	12.7
82.5°	8.9
85°	5.1
87.5°	2.5
90°	0.0

(END OF REPORT)