

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: P1503865

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503865
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-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 - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

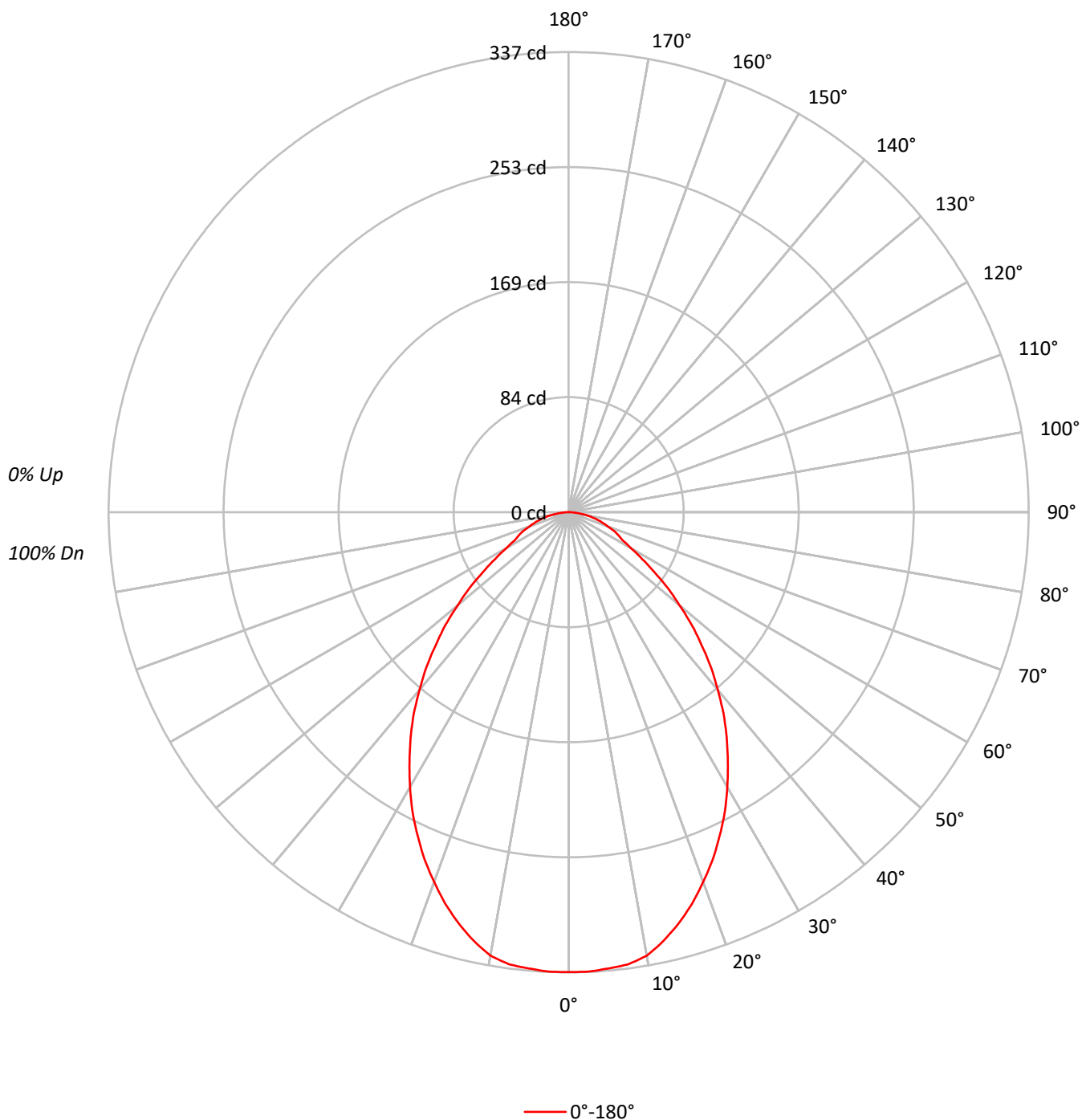
Lumens per Lamp: N/A
Luminaire Lumens: 611.8 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
R	C																				
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°	10386
5°	10382
10°	10327
15°	9951
20°	9454
25°	8901
30°	8275
35°	7597
40°	6835
45°	6009
50°	5076
55°	4113
60°	3262
65°	2948
70°	2759
75°	2657
80°	2468
85°	1981

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	5.2
10°-20°	87.5	14.3
20°-30°	120.2	19.6
30°-40°	125.9	20.6
40°-50°	106.3	17.4
50°-60°	69.5	11.4
60°-70°	40.3	6.6
70°-80°	23.5	3.8
80°-90°	6.8	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°	239.5	39.2
0°-40°	365.4	59.7
0°-60°	541.2	88.5
0°-90°	611.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	337	
5°	335	32
15°	312	87
25°	262	120
35°	202	126
45°	138	106
55°	76	69
65°	40	40
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	336.8
2.5°	336.8
5°	335.4
7.5°	334.0
10°	329.8
12.5°	321.5
15°	311.7
17.5°	300.6
20°	288.1
22.5°	275.6
25°	261.6
27.5°	247.7
30°	232.4
32.5°	217.1
35°	201.8
37.5°	186.5
40°	169.8
42.5°	154.5
45°	137.8
47.5°	122.5
50°	105.8
52.5°	91.9
55°	76.5
57.5°	64.0
60°	52.9
62.5°	44.5
65°	40.4
67.5°	36.2
70°	30.6
72.5°	26.4
75°	22.3
77.5°	18.1
80°	13.9
82.5°	9.7
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)