

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: P1503868

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-OC (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503868
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 (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

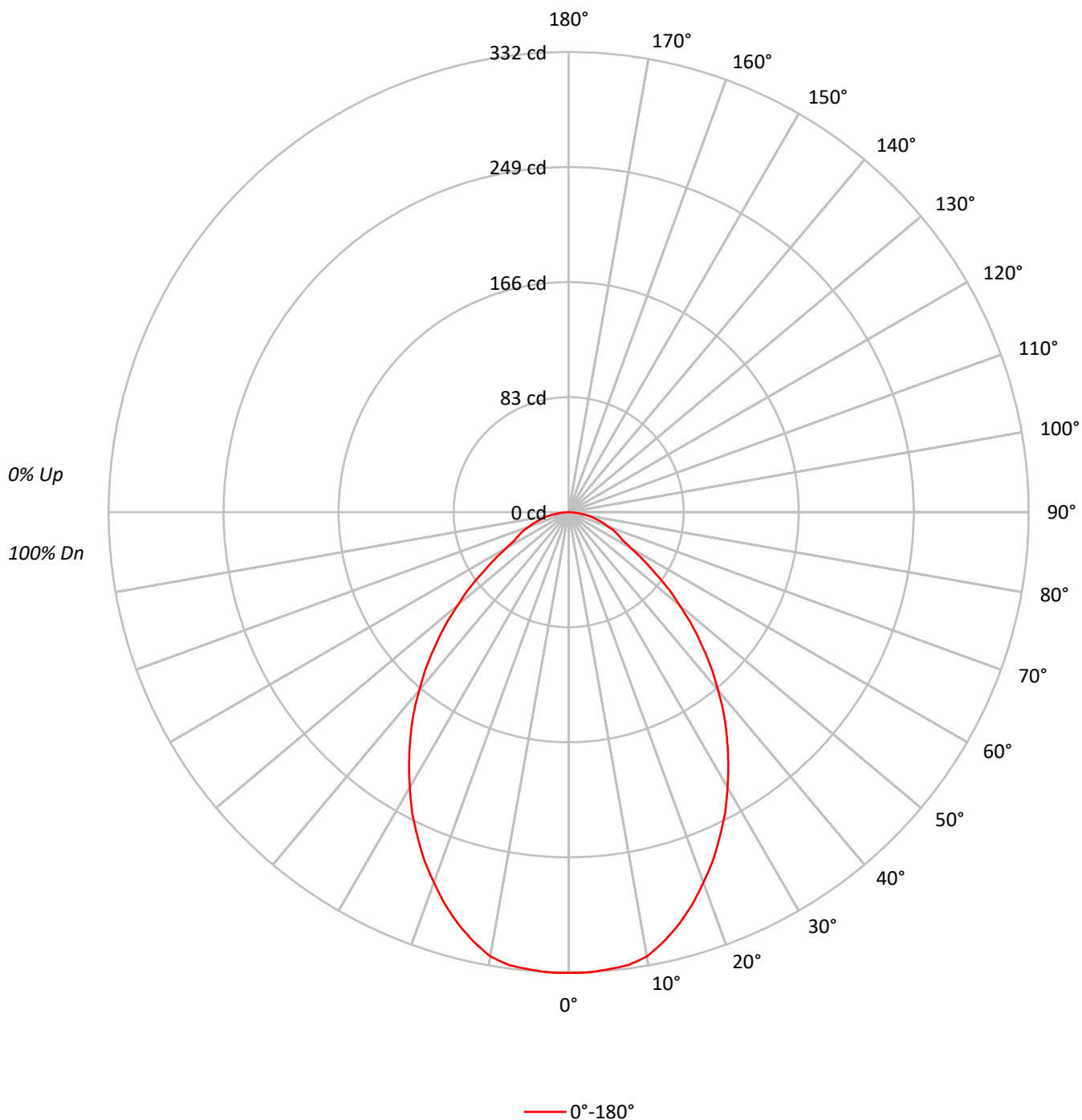
Lumens per Lamp: N/A
Luminaire Lumens: 603.8 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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				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°	10250
5°	10246
10°	10192
15°	9823
20°	9329
25°	8785
30°	8168
35°	7499
40°	6747
45°	5931
50°	5008
55°	4059
60°	3219
65°	2904
70°	2723
75°	2621
80°	2433
85°	1946

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5931 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	5.2
10°-20°	86.3	14.3
20°-30°	118.6	19.6
30°-40°	124.3	20.6
40°-50°	104.9	17.4
50°-60°	68.6	11.4
60°-70°	39.8	6.6
70°-80°	23.2	3.8
80°-90°	6.7	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°	236.4	39.2
0°-40°	360.7	59.7
0°-60°	534.2	88.5
0°-90°	603.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	332	
5°	331	31
15°	308	86
25°	258	119
35°	199	124
45°	136	105
55°	76	69
65°	40	40
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	332.4
2.5°	332.4
5°	331.0
7.5°	329.6
10°	325.5
12.5°	317.3
15°	307.7
17.5°	296.7
20°	284.3
22.5°	272.0
25°	258.2
27.5°	244.5
30°	229.4
32.5°	214.3
35°	199.2
37.5°	184.1
40°	167.6
42.5°	152.5
45°	136.0
47.5°	120.9
50°	104.4
52.5°	90.7
55°	75.5
57.5°	63.2
60°	52.2
62.5°	44.0
65°	39.8
67.5°	35.7
70°	30.2
72.5°	26.1
75°	22.0
77.5°	17.9
80°	13.7
82.5°	9.6
85°	5.5
87.5°	2.7
90°	0.0

(END OF REPORT)