

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: P1503907

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-ND (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-7)
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-WHTE-XX-ND (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

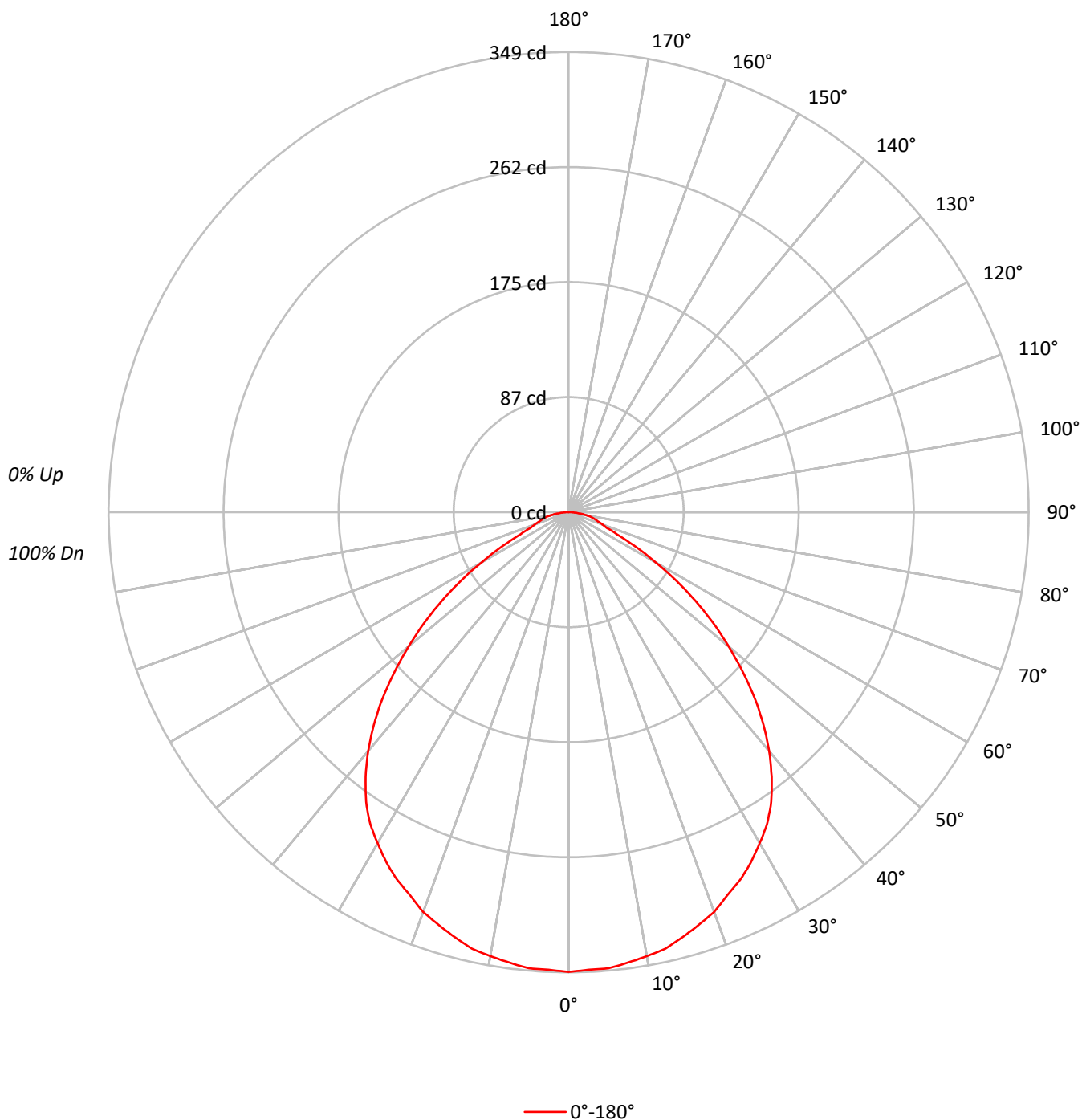
Lumens per Lamp: N/A
Luminaire Lumens: 767.1 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	98	95	96	94	92	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	76	71	68	66		
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58		
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51		
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45		
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	41		
8	65	52	44	39	63	52	44	39	50	44	39	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	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10753
5°	10750
10°	10706
15°	10653
20°	10590
25°	10469
30°	10322
35°	10089
40°	9524
45°	8709
50°	7608
55°	6322
60°	4724
65°	3094
70°	2461
75°	2442
80°	2433
85°	1946

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8709 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	4.3
10°-20°	94.2	12.3
20°-30°	141.7	18.5
30°-40°	166.5	21.7
40°-50°	153.1	20.0
50°-60°	104.8	13.7
60°-70°	45.5	5.9
70°-80°	21.6	2.8
80°-90°	6.7	0.9
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°	268.8	35.0
0°-40°	435.3	56.8
0°-60°	693.3	90.4
0°-90°	767.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	349	
5°	347	33
15°	334	94
25°	308	142
35°	268	167
45°	200	153
55°	118	105
65°	42	45
75°	20	22
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	348.7
2.5°	347.3
5°	347.3
7.5°	344.6
10°	341.9
12.5°	339.1
15°	333.7
17.5°	328.2
20°	322.7
22.5°	314.5
25°	307.7
27.5°	299.5
30°	289.9
32.5°	280.3
35°	268.0
37.5°	253.0
40°	236.6
42.5°	218.8
45°	199.7
47.5°	179.1
50°	158.6
52.5°	138.1
55°	117.6
57.5°	97.1
60°	76.6
62.5°	58.8
65°	42.4
67.5°	31.5
70°	27.3
72.5°	23.2
75°	20.5
77.5°	17.8
80°	13.7
82.5°	9.6
85°	5.5
87.5°	2.7
90°	0.0

(END OF REPORT)