

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: P1503895

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503895
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 (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

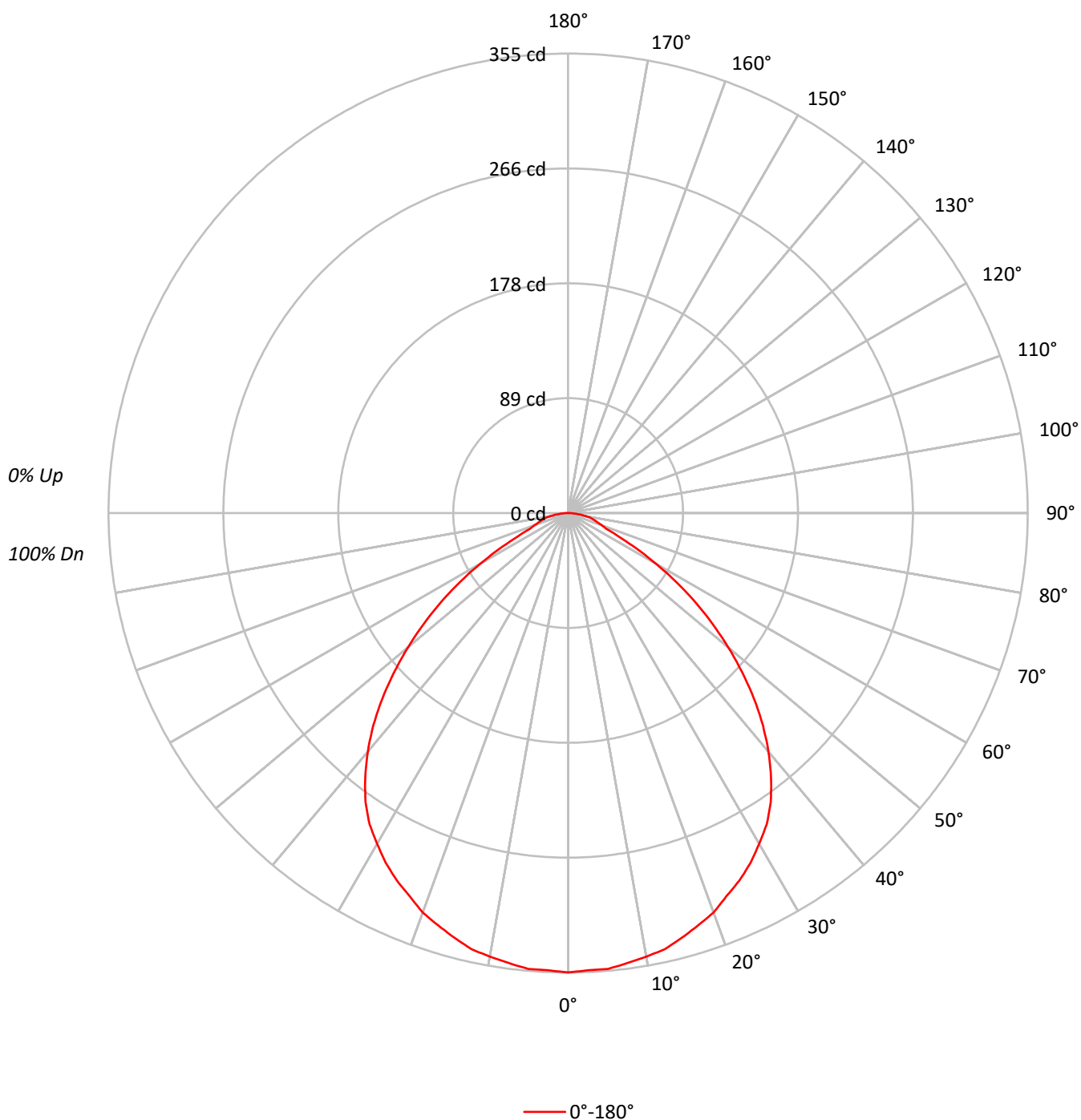
Lumens per Lamp: N/A
Luminaire Lumens: 780.7 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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°	10944
5°	10942
10°	10893
15°	10841
20°	10777
25°	10653
30°	10504
35°	10269
40°	9693
45°	8861
50°	7743
55°	6435
60°	4804
65°	3145
70°	2506
75°	2490
80°	2468
85°	1981

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	4.3
10°-20°	95.9	12.3
20°-30°	144.2	18.5
30°-40°	169.5	21.7
40°-50°	155.8	20.0
50°-60°	106.7	13.7
60°-70°	46.3	5.9
70°-80°	22.0	2.8
80°-90°	6.8	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°	273.6	35.0
0°-40°	443.1	56.8
0°-60°	705.6	90.4
0°-90°	780.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	355	
5°	354	34
15°	340	96
25°	313	144
35°	273	169
45°	203	156
55°	120	107
65°	43	46
75°	21	22
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	354.9
2.5°	353.5
5°	353.5
7.5°	350.7
10°	347.9
12.5°	345.1
15°	339.6
17.5°	334.0
20°	328.4
22.5°	320.1
25°	313.1
27.5°	304.8
30°	295.0
32.5°	285.3
35°	272.8
37.5°	257.5
40°	240.8
42.5°	222.7
45°	203.2
47.5°	182.3
50°	161.4
52.5°	140.6
55°	119.7
57.5°	98.8
60°	77.9
62.5°	59.8
65°	43.1
67.5°	32.0
70°	27.8
72.5°	23.7
75°	20.9
77.5°	18.1
80°	13.9
82.5°	9.7
85°	5.6
87.5°	2.8
90°	0.0

(END OF REPORT)