

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: P1503763

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-ND (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503763
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-010-XXXX-WHTE-XX-ND (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

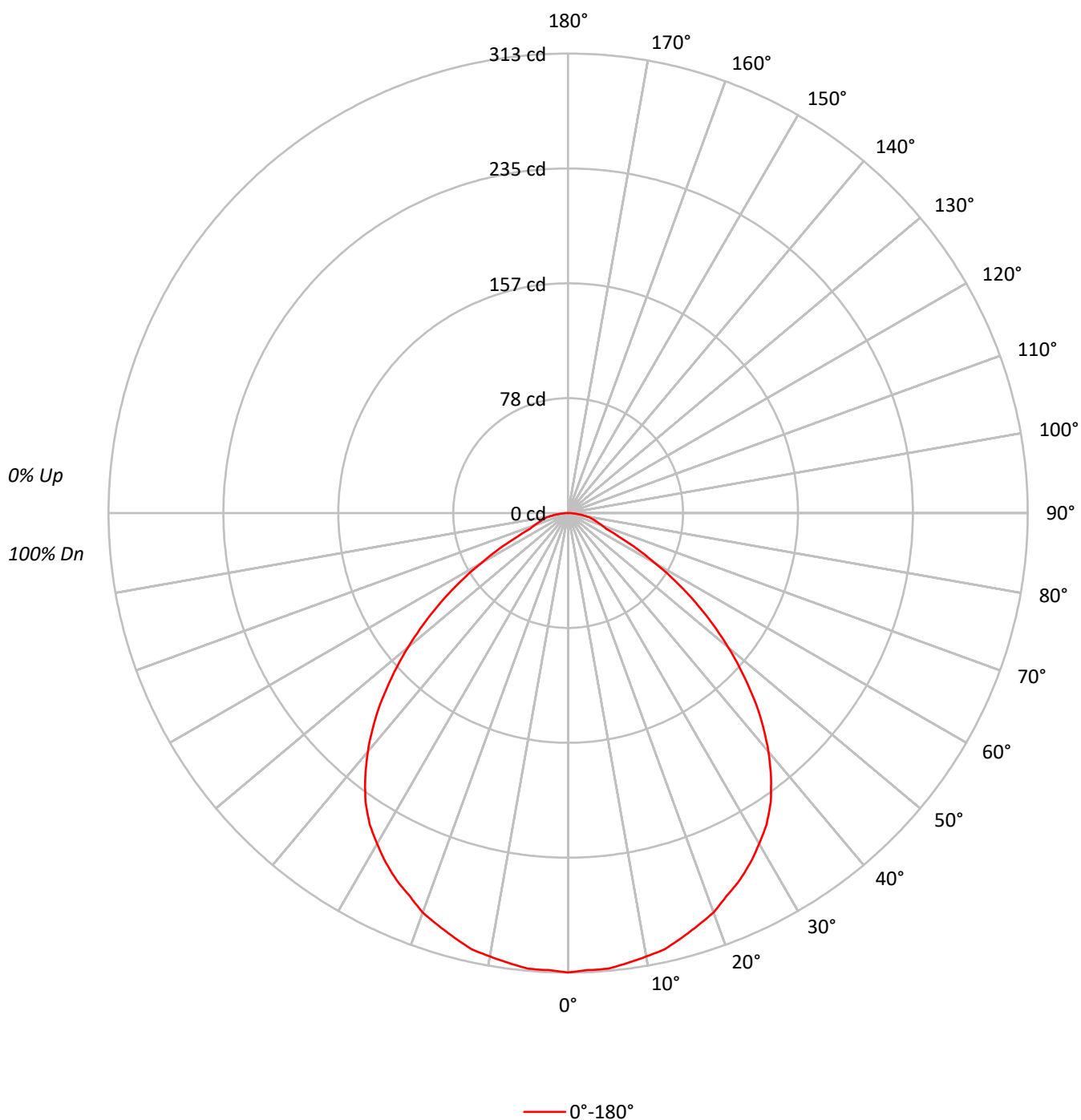
Lumens per Lamp: N/A
Luminaire Lumens: 688.3 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	9649
5°	9645
10°	9603
15°	9558
20°	9503
25°	9394
30°	9261
35°	9053
40°	8546
45°	7810
50°	6827
55°	5672
60°	4237
65°	2773
70°	2209
75°	2192
80°	2184
85°	1734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7810 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	4.3
10°-20°	84.5	12.3
20°-30°	127.1	18.5
30°-40°	149.4	21.7
40°-50°	137.4	20.0
50°-60°	94.0	13.7
60°-70°	40.8	5.9
70°-80°	19.4	2.8
80°-90°	6.0	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°	241.2	35.0
0°-40°	390.6	56.8
0°-60°	622.0	90.4
0°-90°	688.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	688.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	313	
5°	312	30
15°	299	85
25°	276	127
35°	240	149
45°	179	137
55°	106	94
65°	38	41
75°	18	19
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	312.9
2.5°	311.6
5°	311.6
7.5°	309.2
10°	306.7
12.5°	304.3
15°	299.4
17.5°	294.5
20°	289.6
22.5°	282.2
25°	276.1
27.5°	268.7
30°	260.1
32.5°	251.5
35°	240.5
37.5°	227.0
40°	212.3
42.5°	196.3
45°	179.1
47.5°	160.7
50°	142.3
52.5°	123.9
55°	105.5
57.5°	87.1
60°	68.7
62.5°	52.8
65°	38.0
67.5°	28.2
70°	24.5
72.5°	20.9
75°	18.4
77.5°	15.9
80°	12.3
82.5°	8.6
85°	4.9
87.5°	2.5
90°	0.0

(END OF REPORT)