

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: P1503799

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (4000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-10)
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-OT (4000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

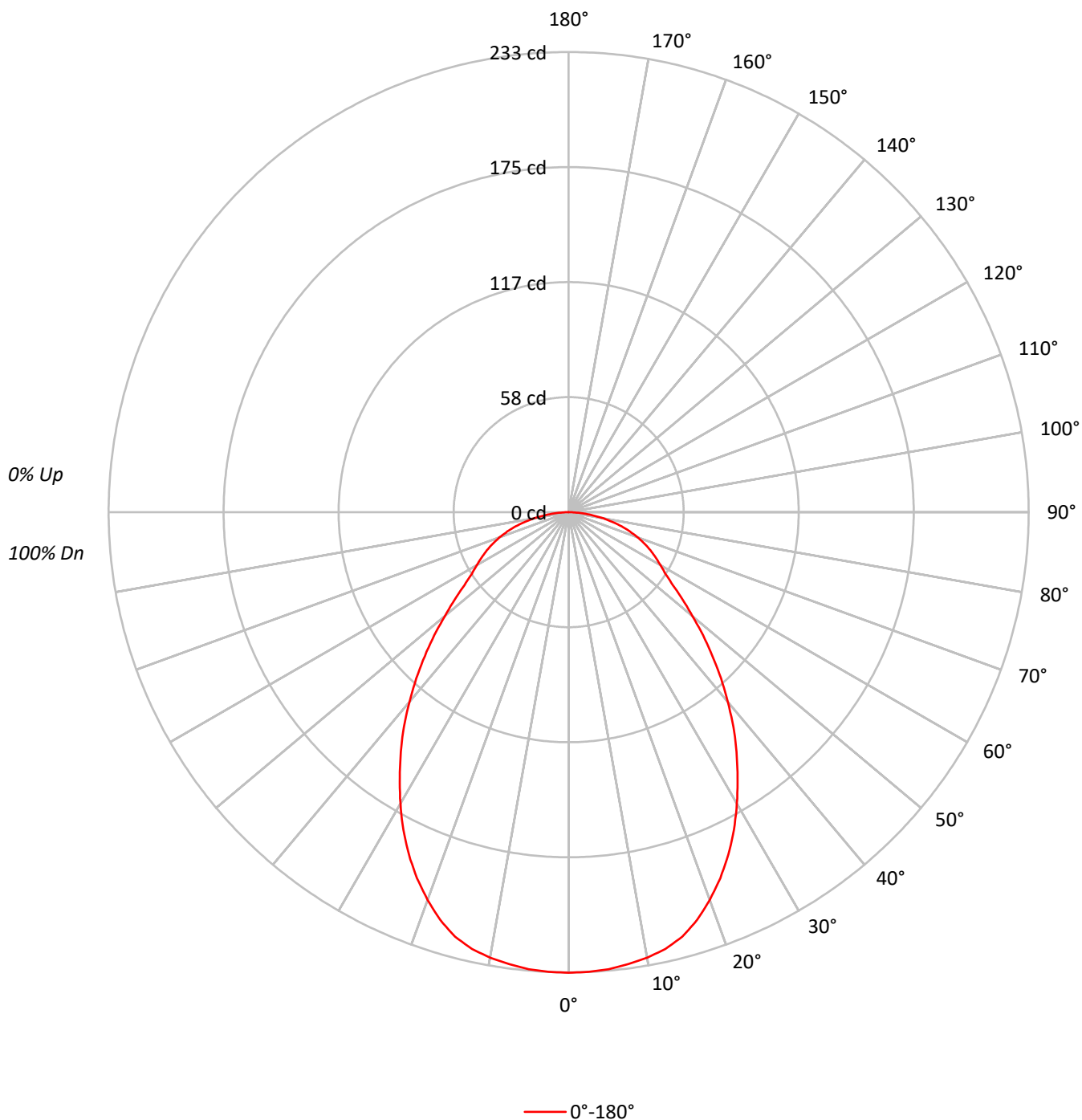
Lumens per Lamp: N/A
Luminaire Lumens: 485.9 lumens
Efficiency: N/A
Efficacy: 59.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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	0
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	110	105	101	98		107	103	99	96		99	96	93		95	92	90		91	89	87	85
2	101	93	87	81		98	91	85	80		87	83	78		84	80	77		81	78	75	73
3	92	83	75	69		90	81	74	68		78	72	67		75	70	66		73	69	65	63
4	85	74	66	60		83	73	65	59		70	64	58		68	62	58		66	61	57	55
5	79	67	59	52		77	66	58	52		64	57	52		62	56	51		60	55	50	48
6	73	61	53	46		72	60	52	46		58	51	46		57	50	45		55	49	45	43
7	68	56	47	42		67	55	47	42		53	46	41		52	46	41		51	45	41	39
8	64	51	43	38		63	51	43	38		49	42	37		48	42	37		47	41	37	35
9	60	47	40	34		59	47	39	34		46	39	34		45	38	34		44	38	34	32
10	57	44	36	31		55	43	36	31		42	36	31		42	35	31		41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7191
5°	7191
10°	7170
15°	7103
20°	6855
25°	6512
30°	6067
35°	5579
40°	5044
45°	4492
50°	3924
55°	3462
60°	3312
65°	3334
70°	3345
75°	3312
80°	3125
85°	2689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	4.5
10°-20°	62.4	12.8
20°-30°	87.8	18.1
30°-40°	92.5	19.0
40°-50°	79.5	16.4
50°-60°	58.7	12.1
60°-70°	45.1	9.3
70°-80°	29.1	6.0
80°-90°	8.7	1.8
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°	172.2	35.4
0°-40°	264.7	54.5
0°-60°	402.9	82.9
0°-90°	485.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	485.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	233	
5°	232	22
15°	222	62
25°	191	88
35°	148	92
45°	103	80
55°	64	59
65°	46	45
75°	28	29
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	233.2
2.5°	232.9
5°	232.3
7.5°	230.8
10°	229.0
12.5°	226.5
15°	222.5
17.5°	216.4
20°	208.9
22.5°	200.6
25°	191.4
27.5°	181.3
30°	170.4
32.5°	159.2
35°	148.2
37.5°	137.1
40°	125.3
42.5°	114.2
45°	103.0
47.5°	92.3
50°	81.8
52.5°	72.7
55°	64.4
57.5°	58.1
60°	53.7
62.5°	49.6
65°	45.7
67.5°	41.5
70°	37.1
72.5°	32.6
75°	27.8
77.5°	22.7
80°	17.6
82.5°	12.6
85°	7.6
87.5°	3.0
90°	0.0

(END OF REPORT)