

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: P1503800

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503800
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 (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

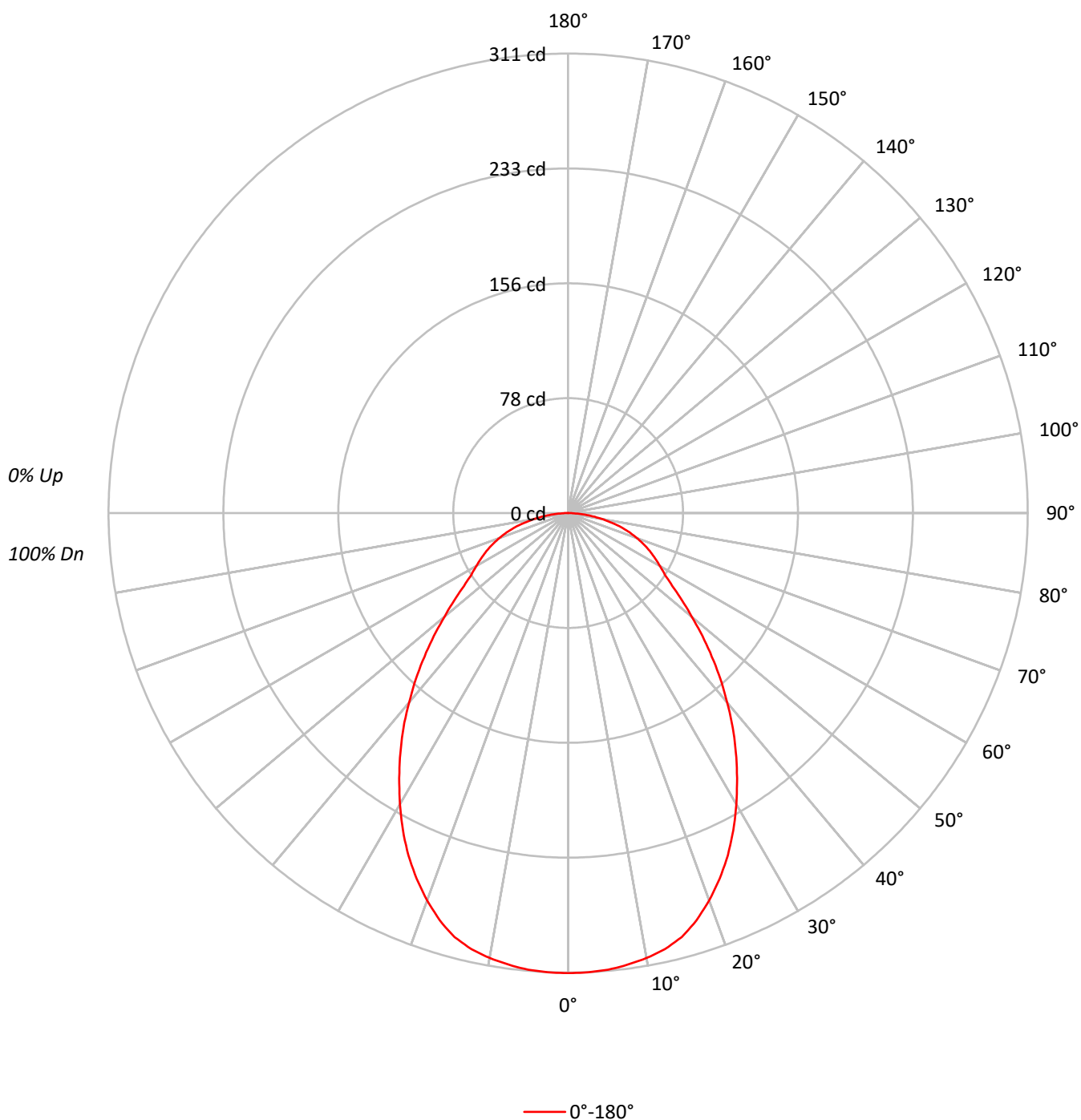
Lumens per Lamp: N/A
Luminaire Lumens: 648.8 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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				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	46	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°	9602
5°	9605
10°	9575
15°	9485
20°	9155
25°	8697
30°	8104
35°	7450
40°	6734
45°	5996
50°	5239
55°	4623
60°	4422
65°	4451
70°	4463
75°	4420
80°	4155
85°	3573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5996 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	4.5
10°-20°	83.3	12.8
20°-30°	117.2	18.1
30°-40°	123.5	19.0
40°-50°	106.2	16.4
50°-60°	78.4	12.1
60°-70°	60.2	9.3
70°-80°	38.9	6.0
80°-90°	11.6	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°	230.0	35.4
0°-40°	353.5	54.5
0°-60°	538.1	82.9
0°-90°	648.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	311	
5°	310	29
15°	297	83
25°	256	117
35°	198	124
45°	138	106
55°	86	78
65°	61	60
75°	37	39
85°	10	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	311.4
2.5°	311.1
5°	310.3
7.5°	308.3
10°	305.8
12.5°	302.4
15°	297.1
17.5°	289.0
20°	279.0
22.5°	267.9
25°	255.6
27.5°	242.1
30°	227.6
32.5°	212.7
35°	197.9
37.5°	183.1
40°	167.3
42.5°	152.5
45°	137.5
47.5°	123.2
50°	109.2
52.5°	97.1
55°	86.0
57.5°	77.6
60°	71.7
62.5°	66.2
65°	61.0
67.5°	55.4
70°	49.5
72.5°	43.6
75°	37.1
77.5°	30.3
80°	23.4
82.5°	16.8
85°	10.1
87.5°	4.0
90°	0.0

(END OF REPORT)