

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: P1503788

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503788
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 (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

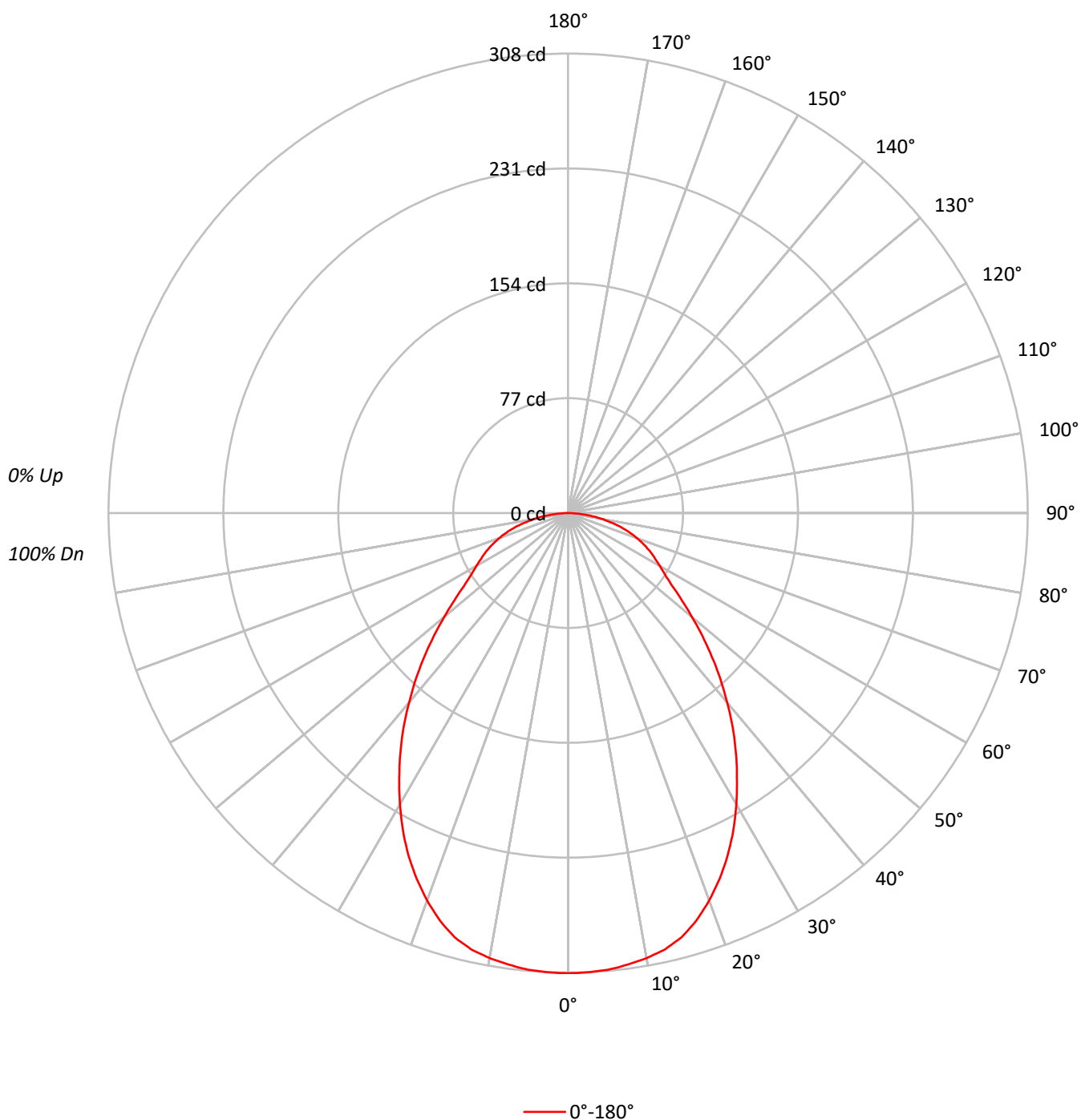
Lumens per Lamp: N/A
Luminaire Lumens: 642.5 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
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	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°	9513
5°	9512
10°	9484
15°	9395
20°	9070
25°	8612
30°	8029
35°	7378
40°	6670
45°	5940
50°	5191
55°	4575
60°	4379
65°	4407
70°	4427
75°	4373
80°	4120
85°	3538

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5940 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	4.5
10°-20°	82.5	12.8
20°-30°	116.1	18.1
30°-40°	122.3	19.0
40°-50°	105.1	16.4
50°-60°	77.7	12.1
60°-70°	59.6	9.3
70°-80°	38.5	6.0
80°-90°	11.5	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°	227.8	35.5
0°-40°	350.1	54.5
0°-60°	532.9	82.9
0°-90°	642.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	308	
5°	307	29
15°	294	83
25°	253	116
35°	196	122
45°	136	105
55°	85	78
65°	60	60
75°	37	39
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	308.5
2.5°	308.1
5°	307.3
7.5°	305.3
10°	302.9
12.5°	299.6
15°	294.3
17.5°	286.2
20°	276.4
22.5°	265.3
25°	253.1
27.5°	239.8
30°	225.5
32.5°	210.6
35°	196.0
37.5°	181.3
40°	165.7
42.5°	151.0
45°	136.2
47.5°	122.0
50°	108.2
52.5°	96.2
55°	85.1
57.5°	76.9
60°	71.0
62.5°	65.5
65°	60.4
67.5°	54.8
70°	49.1
72.5°	43.2
75°	36.7
77.5°	30.0
80°	23.2
82.5°	16.6
85°	10.0
87.5°	4.0
90°	0.0

(END OF REPORT)