

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: P1503794

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (3500K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503794
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 (3500K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

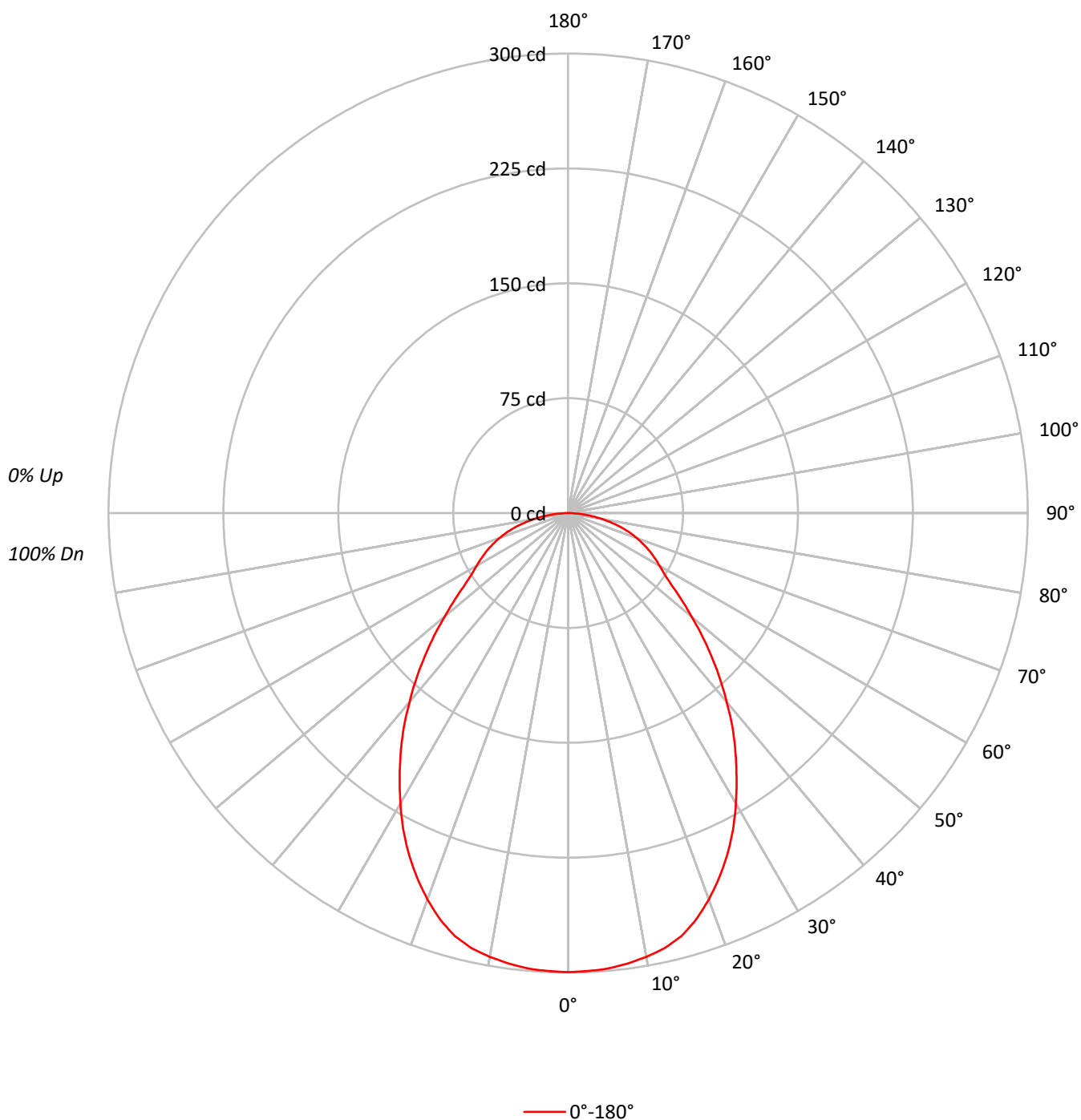
Lumens per Lamp: N/A
Luminaire Lumens: 624.3 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	101	93	87	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63					63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55					55			
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	50	48					48			
6	73	61	53	46	72	60	52	46	58	51	46	57	50	46	55	49	45	43					43			
7	68	56	47	42	67	55	47	42	53	46	41	52	46	41	51	45	41	39					39			
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35					35			
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32					32			
10	57	44	36	31	55	43	36	31	42	36	31	42	35	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	9242
5°	9240
10°	9212
15°	9127
20°	8811
25°	8367
30°	7798
35°	7167
40°	6481
45°	5769
50°	5042
55°	4446
60°	4255
65°	4283
70°	4301
75°	4253
80°	4013
85°	3467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	4.5
10°-20°	80.2	12.8
20°-30°	112.8	18.1
30°-40°	118.8	19.0
40°-50°	102.1	16.4
50°-60°	75.5	12.1
60°-70°	57.9	9.3
70°-80°	37.4	6.0
80°-90°	11.2	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°	221.3	35.4
0°-40°	340.1	54.5
0°-60°	517.7	82.9
0°-90°	624.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	300	
5°	298	28
15°	286	80
25°	246	113
35°	190	119
45°	132	102
55°	83	75
65°	59	58
75°	36	37
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	299.7
2.5°	299.3
5°	298.5
7.5°	296.6
10°	294.2
12.5°	291.0
15°	285.9
17.5°	278.1
20°	268.5
22.5°	257.7
25°	245.9
27.5°	233.0
30°	219.0
32.5°	204.6
35°	190.4
37.5°	176.2
40°	161.0
42.5°	146.7
45°	132.3
47.5°	118.6
50°	105.1
52.5°	93.4
55°	82.7
57.5°	74.7
60°	69.0
62.5°	63.7
65°	58.7
67.5°	53.3
70°	47.7
72.5°	41.9
75°	35.7
77.5°	29.1
80°	22.6
82.5°	16.2
85°	9.8
87.5°	3.8
90°	0.0

(END OF REPORT)