

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: P1503795

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (3500K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503795
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-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

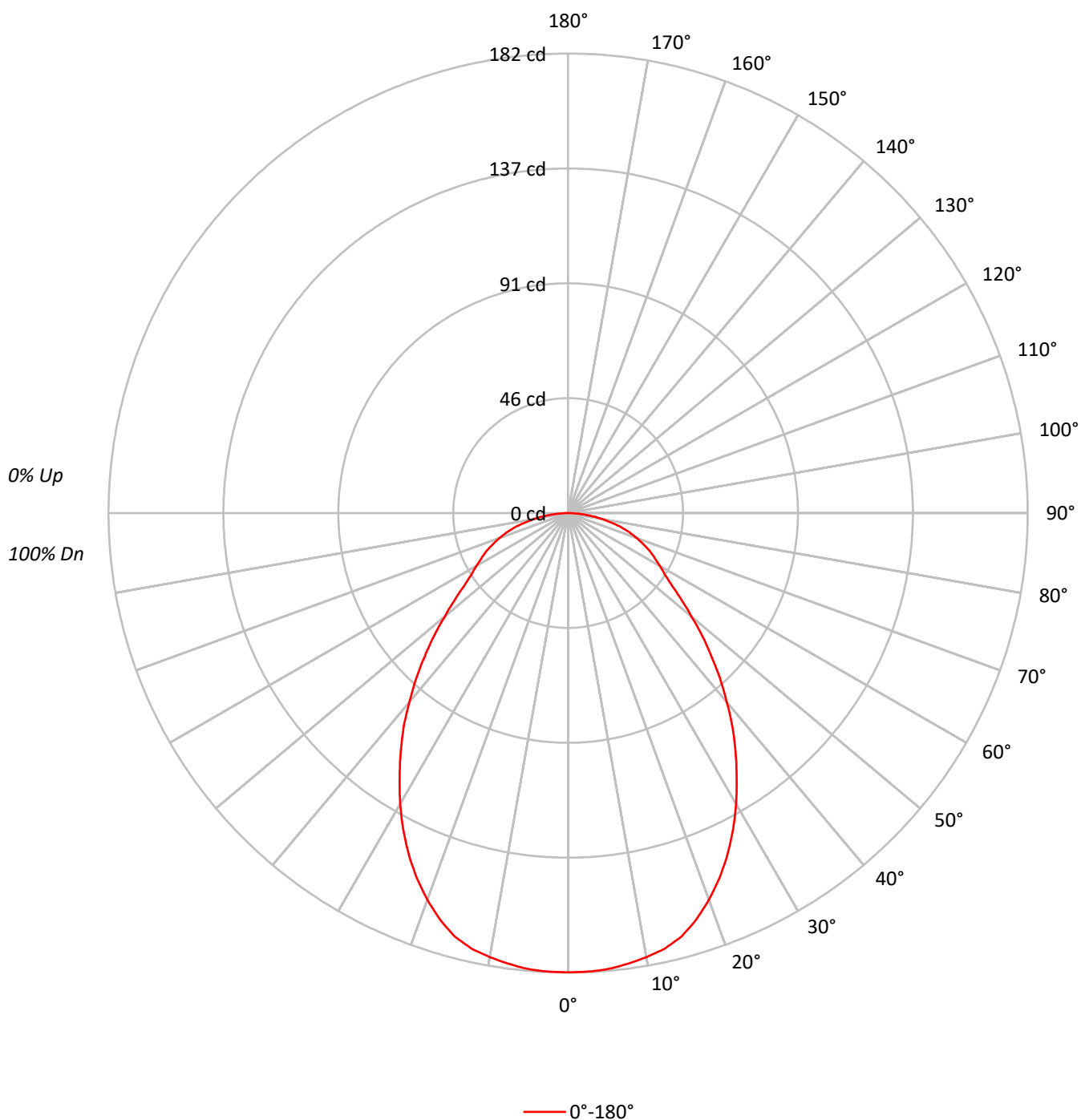
Lumens per Lamp: N/A
Luminaire Lumens: 379.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.5
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								
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°	5609
5°	5612
10°	5592
15°	5542
20°	5349
25°	5080
30°	4736
35°	4352
40°	3933
45°	3502
50°	3061
55°	2699
60°	2584
65°	2605
70°	2606
75°	2585
80°	2433
85°	2087

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	4.5
10°-20°	48.7	12.8
20°-30°	68.5	18.1
30°-40°	72.2	19.0
40°-50°	62.0	16.4
50°-60°	45.8	12.1
60°-70°	35.2	9.3
70°-80°	22.7	6.0
80°-90°	6.8	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°	134.3	35.4
0°-40°	206.5	54.5
0°-60°	314.3	82.9
0°-90°	379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	379.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	182	
5°	181	17
15°	174	49
25°	149	68
35°	116	72
45°	80	62
55°	50	46
65°	36	35
75°	22	23
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	181.9
2.5°	181.8
5°	181.3
7.5°	180.1
10°	178.6
12.5°	176.7
15°	173.6
17.5°	168.8
20°	163.0
22.5°	156.5
25°	149.3
27.5°	141.4
30°	133.0
32.5°	124.2
35°	115.6
37.5°	107.0
40°	97.7
42.5°	89.1
45°	80.3
47.5°	72.0
50°	63.8
52.5°	56.7
55°	50.2
57.5°	45.4
60°	41.9
62.5°	38.7
65°	35.7
67.5°	32.3
70°	28.9
72.5°	25.5
75°	21.7
77.5°	17.7
80°	13.7
82.5°	9.8
85°	5.9
87.5°	2.3
90°	0.0

(END OF REPORT)