

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: P1503924

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OT (2700K-650LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503924
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-D2W-XXXX-WHTE-XX-OT (2700K-650LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 1 - 650 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

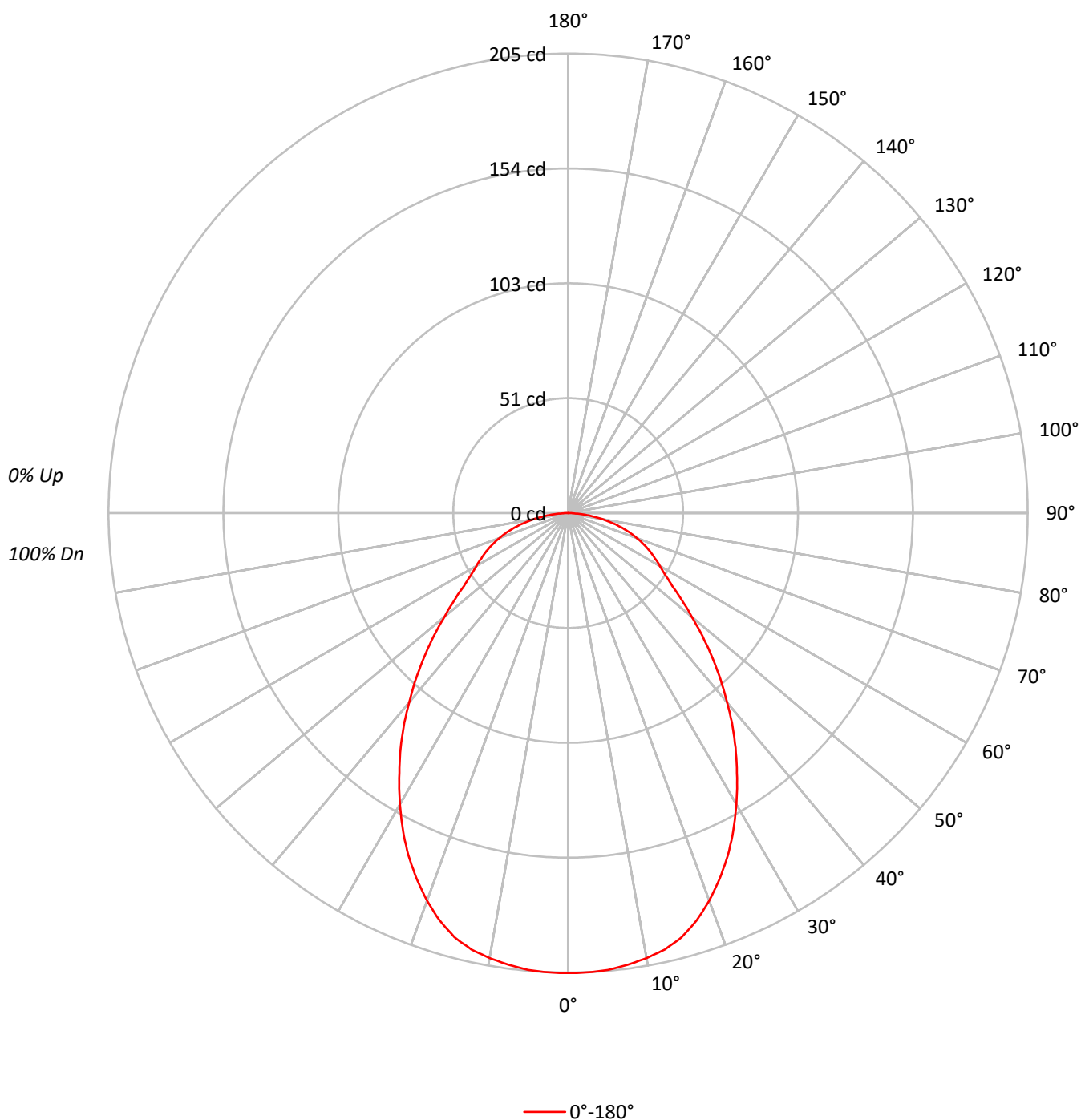
Lumens per Lamp: N/A
Luminaire Lumens: 427.8 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 6.9
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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CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-WHITE-XX-OT (2700K-650LM)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					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°	6334
5°	6333
10°	6313
15°	6254
20°	6038
25°	5733
30°	5345
35°	4913
40°	4440
45°	3955
50°	3454
55°	3048
60°	2917
65°	2933
70°	2948
75°	2919
80°	2752
85°	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	4.5
10°-20°	54.9	12.8
20°-30°	77.3	18.1
30°-40°	81.4	19.0
40°-50°	70.0	16.4
50°-60°	51.7	12.1
60°-70°	39.7	9.3
70°-80°	25.7	6.0
80°-90°	7.7	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°	151.6	35.4
0°-40°	233.1	54.5
0°-60°	354.8	82.9
0°-90°	427.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	205	
5°	205	19
15°	196	55
25°	168	77
35°	130	81
45°	91	70
55°	57	52
65°	40	40
75°	24	26
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	205.4
2.5°	205.1
5°	204.6
7.5°	203.3
10°	201.6
12.5°	199.4
15°	195.9
17.5°	190.6
20°	184.0
22.5°	176.6
25°	168.5
27.5°	159.6
30°	150.1
32.5°	140.2
35°	130.5
37.5°	120.7
40°	110.3
42.5°	100.5
45°	90.7
47.5°	81.2
50°	72.0
52.5°	64.0
55°	56.7
57.5°	51.2
60°	47.3
62.5°	43.6
65°	40.2
67.5°	36.5
70°	32.7
72.5°	28.7
75°	24.5
77.5°	20.0
80°	15.5
82.5°	11.1
85°	6.7
87.5°	2.6
90°	0.0

(END OF REPORT)