

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: P1503931

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OT (3500K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503931
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-WHITE-XX-OT (3500K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

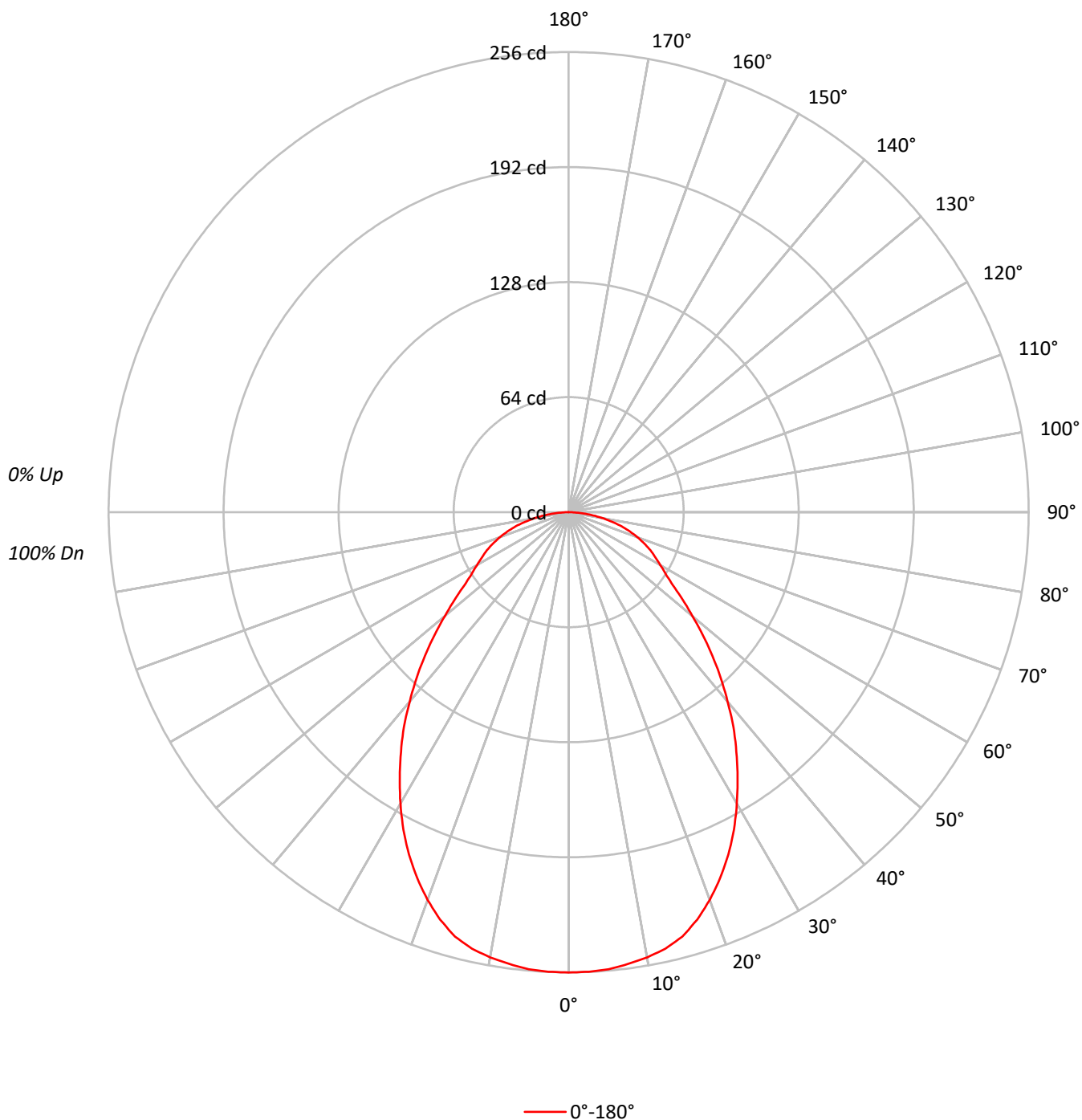
Lumens per Lamp: N/A
Luminaire Lumens: 533.6 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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°	7897
5°	7899
10°	7875
15°	7802
20°	7531
25°	7152
30°	6666
35°	6125
40°	5539
45°	4932
50°	4308
55°	3801
60°	3633
65°	3663
70°	3679
75°	3634
80°	3427
85°	2937

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4932 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	4.5
10°-20°	68.5	12.8
20°-30°	96.4	18.1
30°-40°	101.6	19.0
40°-50°	87.3	16.4
50°-60°	64.5	12.1
60°-70°	49.5	9.3
70°-80°	32.0	6.0
80°-90°	9.5	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°	189.1	35.4
0°-40°	290.7	54.5
0°-60°	442.5	82.9
0°-90°	533.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	533.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	256	
5°	255	24
15°	244	69
25°	210	96
35°	163	102
45°	113	87
55°	71	65
65°	50	50
75°	30	32
85°	8	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	256.1
2.5°	255.9
5°	255.2
7.5°	253.5
10°	251.5
12.5°	248.7
15°	244.4
17.5°	237.7
20°	229.5
22.5°	220.3
25°	210.2
27.5°	199.1
30°	187.2
32.5°	174.9
35°	162.7
37.5°	150.6
40°	137.6
42.5°	125.4
45°	113.1
47.5°	101.3
50°	89.8
52.5°	79.9
55°	70.7
57.5°	63.9
60°	58.9
62.5°	54.4
65°	50.2
67.5°	45.5
70°	40.8
72.5°	35.8
75°	30.5
77.5°	24.9
80°	19.3
82.5°	13.8
85°	8.3
87.5°	3.3
90°	0.0

(END OF REPORT)