

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: P1503796

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (3500K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503796
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-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
Ballast/Driver: ELECTRONIC DRIVER

Summary

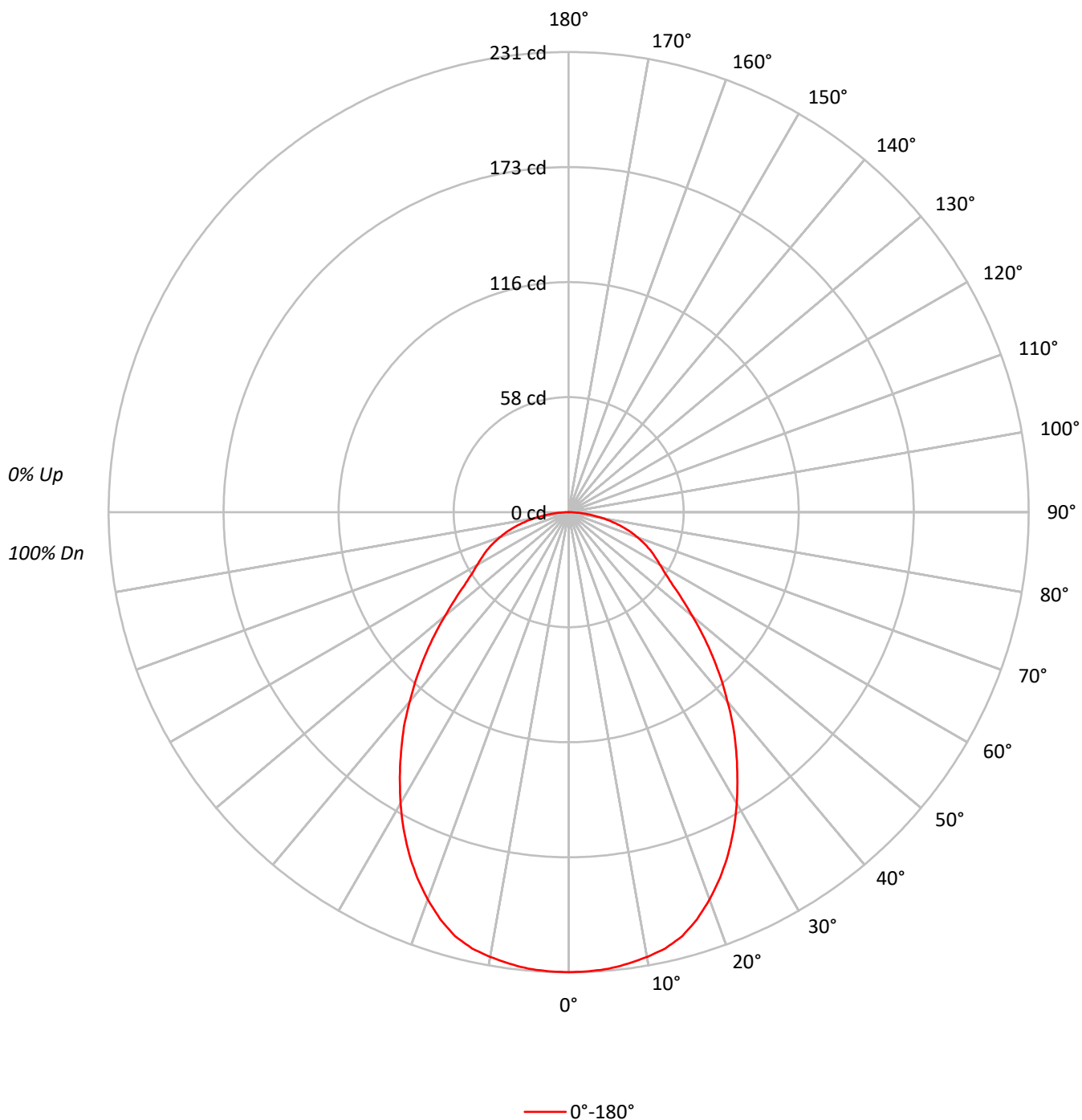
Lumens per Lamp: N/A
Luminaire Lumens: 481.1 lumens
Efficiency: N/A
Efficacy: 58.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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	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°	7120
5°	7123
10°	7098
15°	7033
20°	6789
25°	6448
30°	6010
35°	5522
40°	4991
45°	4448
50°	3886
55°	3425
60°	3275
65°	3305
70°	3309
75°	3276
80°	3090
85°	2654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	4.5
10°-20°	61.8	12.8
20°-30°	86.9	18.1
30°-40°	91.6	19.0
40°-50°	78.7	16.4
50°-60°	58.2	12.1
60°-70°	44.7	9.3
70°-80°	28.8	6.0
80°-90°	8.6	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°	170.5	35.4
0°-40°	262.1	54.5
0°-60°	399.0	82.9
0°-90°	481.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	481.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	231	
5°	230	22
15°	220	62
25°	190	87
35°	147	92
45°	102	79
55°	64	58
65°	45	45
75°	28	29
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	230.9
2.5°	230.7
5°	230.1
7.5°	228.6
10°	226.7
12.5°	224.3
15°	220.3
17.5°	214.3
20°	206.9
22.5°	198.6
25°	189.5
27.5°	179.5
30°	168.8
32.5°	157.7
35°	146.7
37.5°	135.8
40°	124.0
42.5°	113.1
45°	102.0
47.5°	91.4
50°	81.0
52.5°	72.0
55°	63.7
57.5°	57.6
60°	53.1
62.5°	49.1
65°	45.3
67.5°	41.1
70°	36.7
72.5°	32.3
75°	27.5
77.5°	22.4
80°	17.4
82.5°	12.5
85°	7.5
87.5°	3.0
90°	0.0

(END OF REPORT)