

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: P1503802

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503802
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

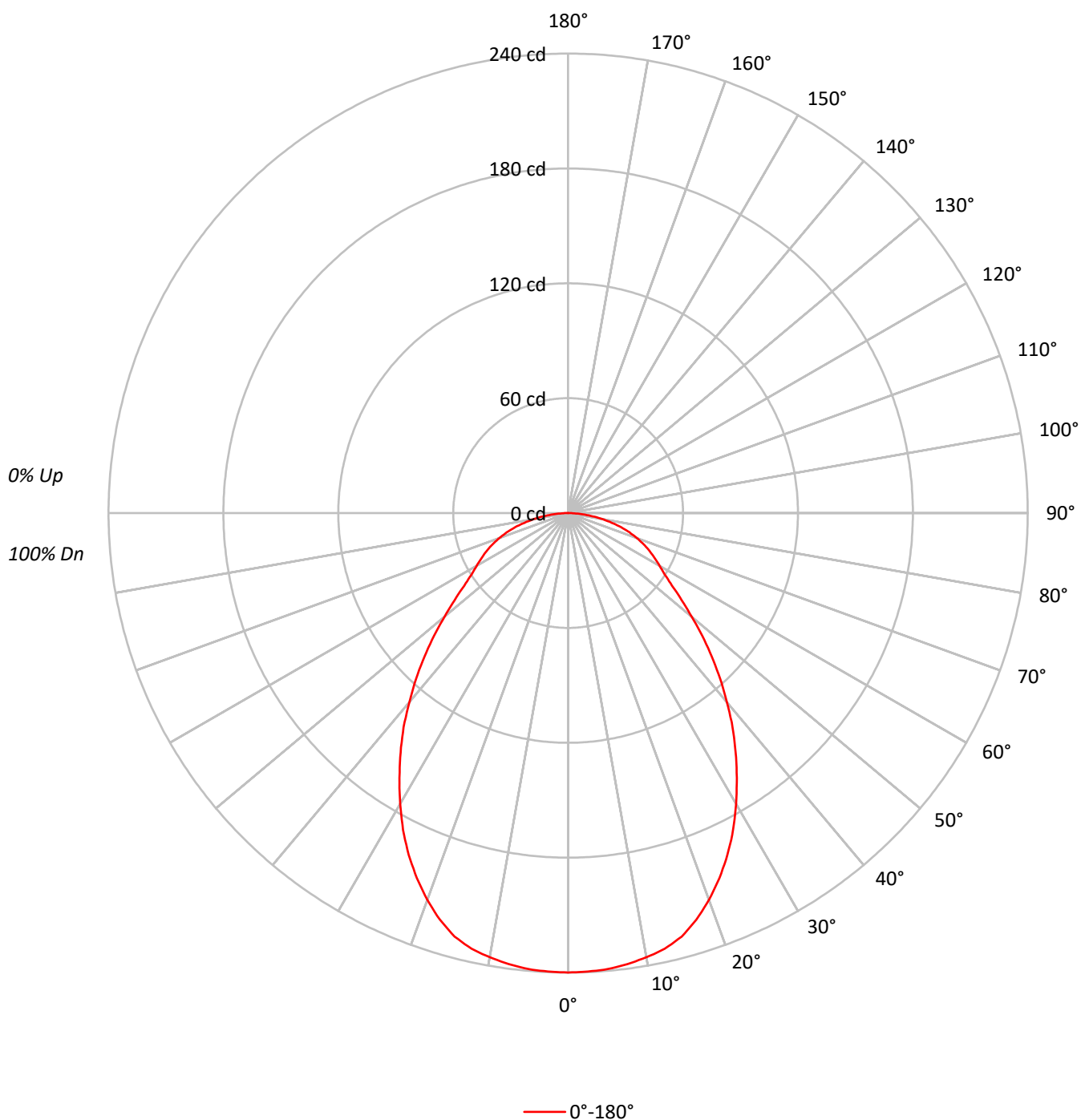
Lumens per Lamp: N/A
Luminaire Lumens: 499.9 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	7401
5°	7401
10°	7377
15°	7311
20°	7055
25°	6699
30°	6245
35°	5741
40°	5189
45°	4623
50°	4039
55°	3559
60°	3404
65°	3429
70°	3444
75°	3407
80°	3214
85°	2760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	4.5
10°-20°	64.2	12.8
20°-30°	90.3	18.1
30°-40°	95.2	19.0
40°-50°	81.8	16.4
50°-60°	60.4	12.1
60°-70°	46.4	9.3
70°-80°	30.0	6.0
80°-90°	8.9	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°	177.2	35.4
0°-40°	272.4	54.5
0°-60°	414.6	82.9
0°-90°	499.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	240	
5°	239	23
15°	229	64
25°	197	90
35°	152	95
45°	106	82
55°	66	60
65°	47	46
75°	29	30
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	240.0
2.5°	239.7
5°	239.1
7.5°	237.6
10°	235.6
12.5°	233.1
15°	229.0
17.5°	222.7
20°	215.0
22.5°	206.4
25°	196.9
27.5°	186.6
30°	175.4
32.5°	163.9
35°	152.5
37.5°	141.1
40°	128.9
42.5°	117.5
45°	106.0
47.5°	94.9
50°	84.2
52.5°	74.8
55°	66.2
57.5°	59.8
60°	55.2
62.5°	51.0
65°	47.0
67.5°	42.7
70°	38.2
72.5°	33.6
75°	28.6
77.5°	23.3
80°	18.1
82.5°	12.9
85°	7.8
87.5°	3.1
90°	0.0

(END OF REPORT)