

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: P1503793

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OT (3000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503793
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 (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

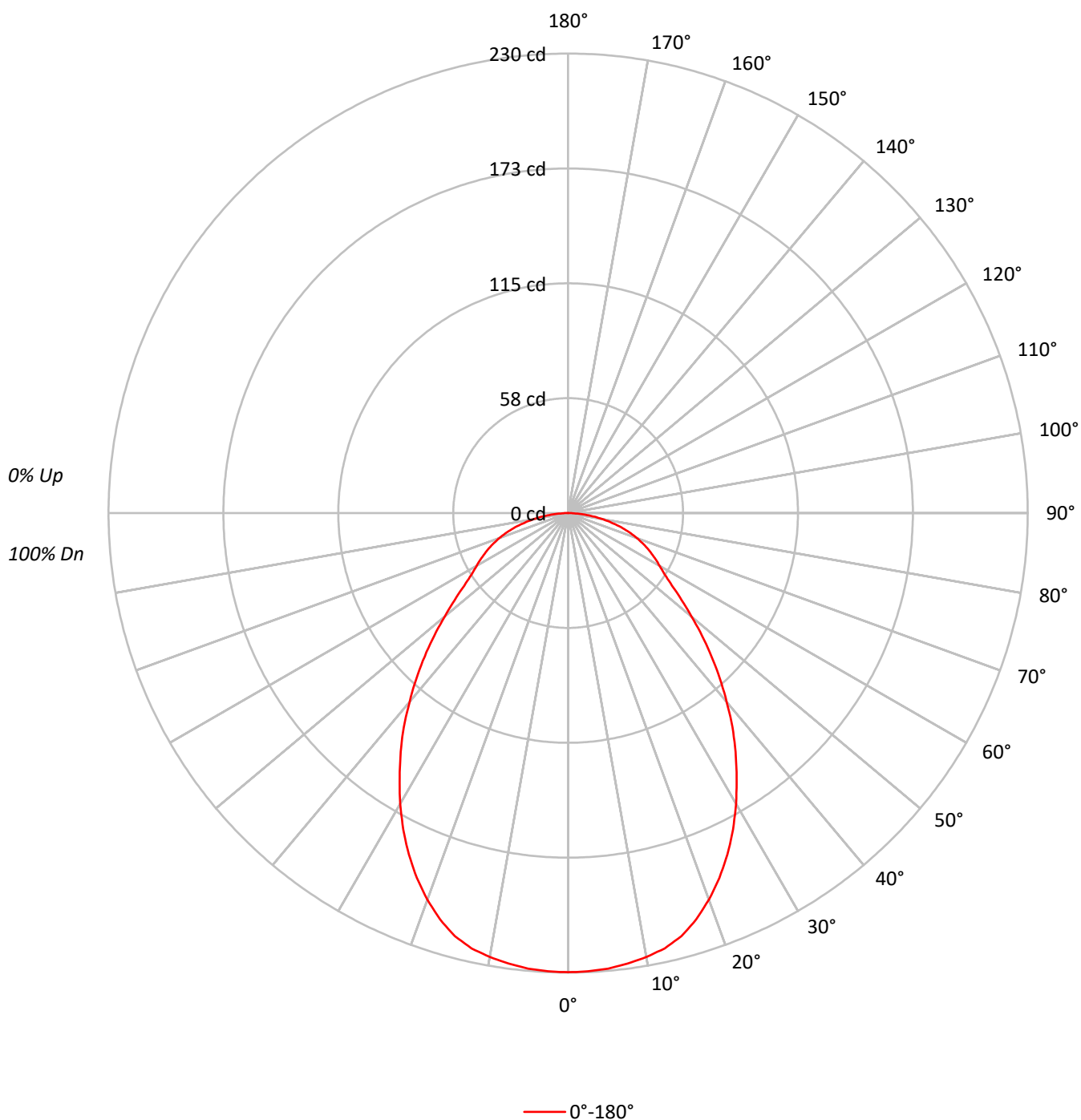
Lumens per Lamp: N/A
Luminaire Lumens: 478.7 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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°	7086
5°	7085
10°	7064
15°	6998
20°	6757
25°	6417
30°	5982
35°	5496
40°	4967
45°	4426
50°	3867
55°	3408
60°	3262
65°	3283
70°	3300
75°	3265
80°	3072
85°	2654

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	4.5
10°-20°	61.5	12.8
20°-30°	86.5	18.1
30°-40°	91.1	19.0
40°-50°	78.3	16.4
50°-60°	57.9	12.1
60°-70°	44.4	9.3
70°-80°	28.7	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°	169.7	35.4
0°-40°	260.8	54.5
0°-60°	397.0	82.9
0°-90°	478.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	478.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	230	
5°	229	22
15°	219	61
25°	189	86
35°	146	91
45°	102	78
55°	63	58
65°	45	44
75°	27	29
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	229.8
2.5°	229.6
5°	228.9
7.5°	227.5
10°	225.6
12.5°	223.2
15°	219.2
17.5°	213.2
20°	205.9
22.5°	197.7
25°	188.6
27.5°	178.6
30°	168.0
32.5°	156.9
35°	146.0
37.5°	135.1
40°	123.4
42.5°	112.5
45°	101.5
47.5°	90.9
50°	80.6
52.5°	71.7
55°	63.4
57.5°	57.3
60°	52.9
62.5°	48.8
65°	45.0
67.5°	40.9
70°	36.6
72.5°	32.1
75°	27.4
77.5°	22.3
80°	17.3
82.5°	12.4
85°	7.5
87.5°	2.9
90°	0.0

(END OF REPORT)