

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: P1503923

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OT (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503923
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-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

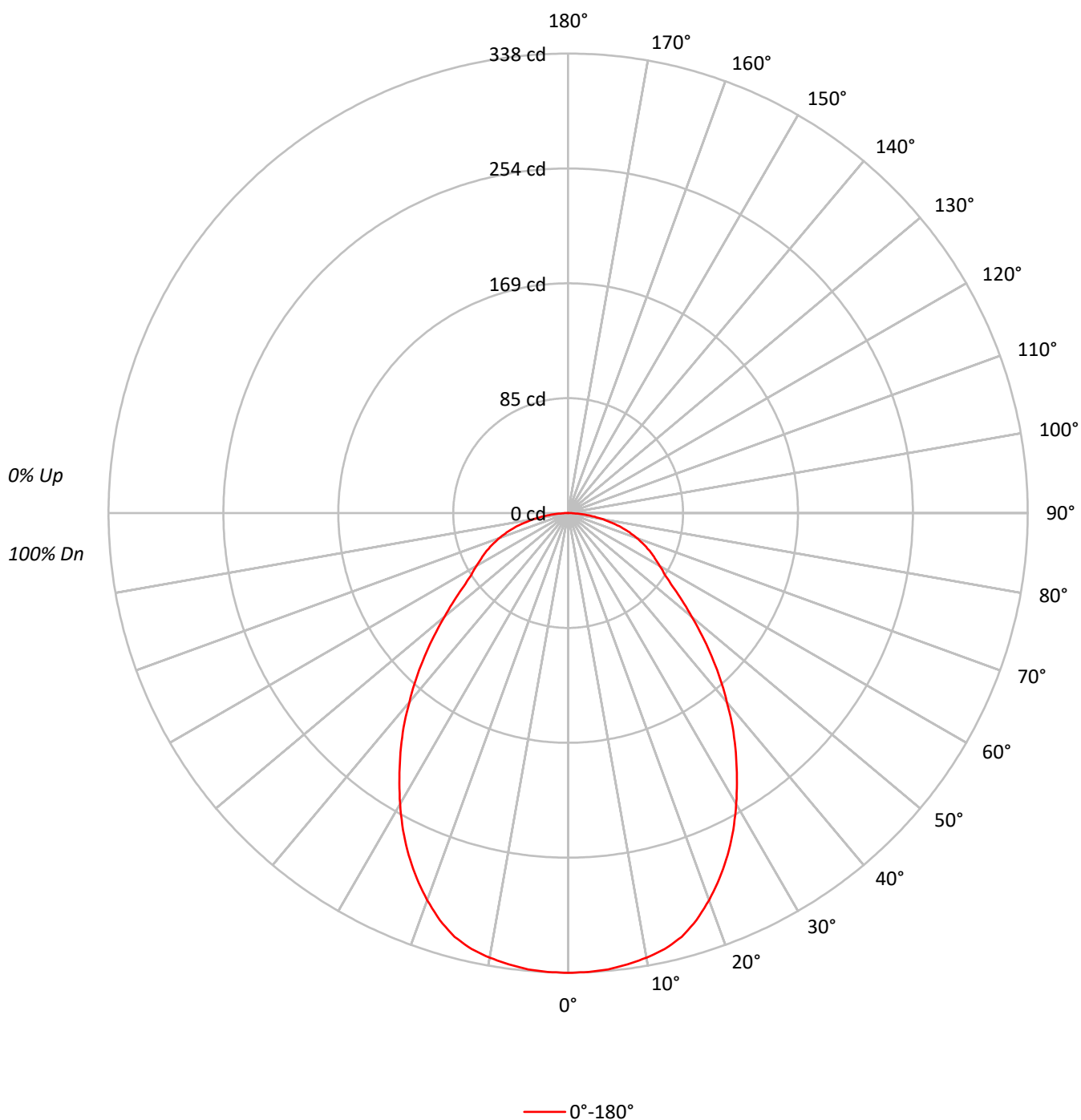
Lumens per Lamp: N/A
Luminaire Lumens: 704.6 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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°	10429
5°	10432
10°	10399
15°	10302
20°	9943
25°	9445
30°	8802
35°	8090
40°	7314
45°	6511
50°	5690
55°	5021
60°	4798
65°	4838
70°	4851
75°	4801
80°	4528
85°	3892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6511 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	4.5
10°-20°	90.5	12.8
20°-30°	127.3	18.1
30°-40°	134.1	19.0
40°-50°	115.3	16.4
50°-60°	85.2	12.1
60°-70°	65.4	9.3
70°-80°	42.2	6.0
80°-90°	12.6	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°	249.8	35.4
0°-40°	383.9	54.5
0°-60°	584.4	82.9
0°-90°	704.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	338	
5°	337	32
15°	323	90
25°	278	127
35°	215	134
45°	149	115
55°	93	85
65°	66	65
75°	40	42
85°	11	13
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	338.2
2.5°	337.9
5°	337.0
7.5°	334.8
10°	332.1
12.5°	328.5
15°	322.7
17.5°	313.9
20°	303.0
22.5°	290.9
25°	277.6
27.5°	262.9
30°	247.2
32.5°	231.0
35°	214.9
37.5°	198.8
40°	181.7
42.5°	165.6
45°	149.3
47.5°	133.8
50°	118.6
52.5°	105.5
55°	93.4
57.5°	84.3
60°	77.8
62.5°	71.9
65°	66.3
67.5°	60.1
70°	53.8
72.5°	47.3
75°	40.3
77.5°	32.9
80°	25.5
82.5°	18.2
85°	11.0
87.5°	4.3
90°	0.0

(END OF REPORT)