

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: P1503935

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OT (5000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503935
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 (5000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

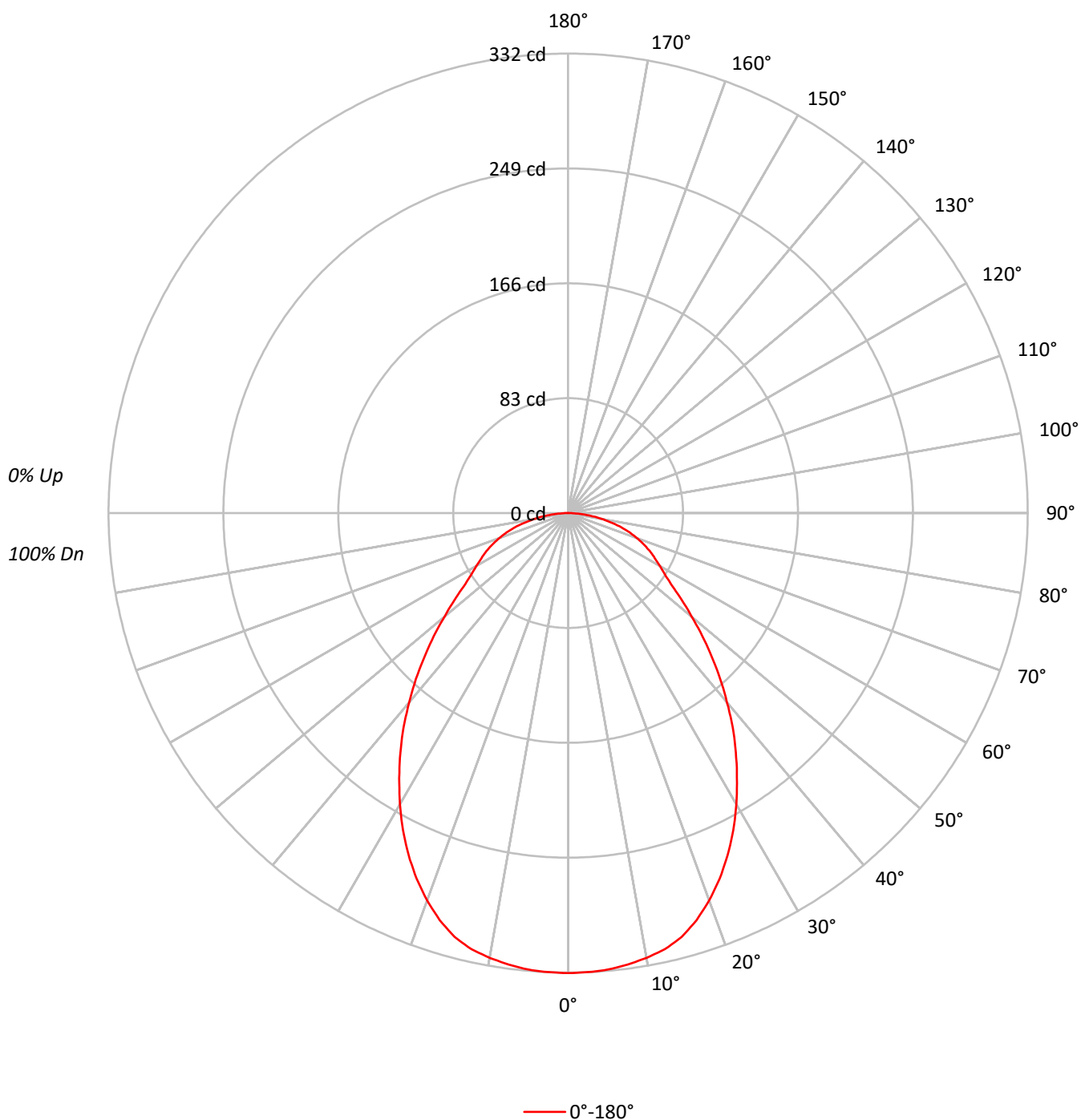
Lumens per Lamp: N/A
Luminaire Lumens: 692.4 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	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°	10250
5°	10249
10°	10217
15°	10123
20°	9772
25°	9278
30°	8649
35°	7950
40°	7185
45°	6397
50°	5594
55°	4930
60°	4718
65°	4750
70°	4769
75°	4718
80°	4439
85°	3821

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6397 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	4.5
10°-20°	88.9	12.8
20°-30°	125.1	18.1
30°-40°	131.8	19.0
40°-50°	113.3	16.4
50°-60°	83.7	12.1
60°-70°	64.2	9.3
70°-80°	41.5	6.0
80°-90°	12.4	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°	245.4	35.4
0°-40°	377.2	54.5
0°-60°	574.2	82.9
0°-90°	692.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	692.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	332	
5°	331	31
15°	317	89
25°	273	125
35°	211	132
45°	147	113
55°	92	84
65°	65	64
75°	40	42
85°	11	12
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	332.4
2.5°	332.0
5°	331.1
7.5°	329.0
10°	326.3
12.5°	322.8
15°	317.1
17.5°	308.4
20°	297.8
22.5°	285.9
25°	272.7
27.5°	258.4
30°	242.9
32.5°	227.0
35°	211.2
37.5°	195.4
40°	178.5
42.5°	162.7
45°	146.7
47.5°	131.5
50°	116.6
52.5°	103.6
55°	91.7
57.5°	82.9
60°	76.5
62.5°	70.6
65°	65.1
67.5°	59.1
70°	52.9
72.5°	46.5
75°	39.6
77.5°	32.3
80°	25.0
82.5°	17.9
85°	10.8
87.5°	4.3
90°	0.0

(END OF REPORT)