

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: P1503911

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-13)
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-OC (3000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

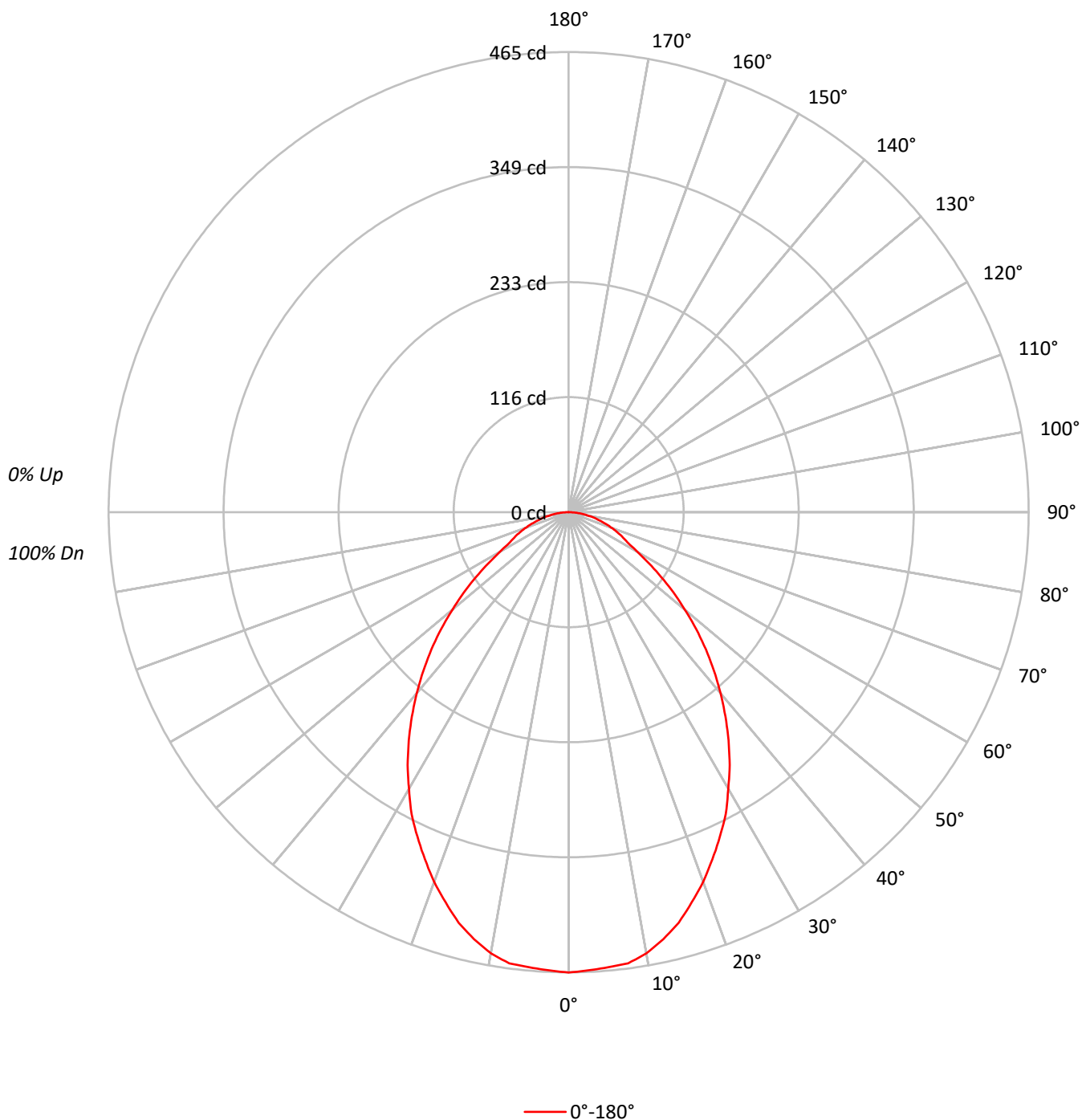
Lumens per Lamp: N/A
Luminaire Lumens: 865.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76			
3	94	85	78	72	92	83	77	71	81	75	70	78	73	69	75	71	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	52	48	46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	14345
5°	14288
10°	14175
15°	13711
20°	13044
25°	12310
30°	11487
35°	10601
40°	9613
45°	8552
50°	7354
55°	6134
60°	4946
65°	4422
70°	4174
75°	3824
80°	3481
85°	3149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8552 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	5.1
10°-20°	120.4	13.9
20°-30°	166.3	19.2
30°-40°	175.7	20.3
40°-50°	150.9	17.5
50°-60°	102.7	11.9
60°-70°	60.6	7.0
70°-80°	34.5	4.0
80°-90°	10.0	1.2
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°	330.5	38.2
0°-40°	506.2	58.5
0°-60°	759.9	87.8
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	465	
5°	462	44
15°	430	120
25°	362	166
35°	282	176
45°	196	151
55°	114	103
65°	61	61
75°	32	35
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	465.2
2.5°	463.4
5°	461.6
7.5°	459.8
10°	452.7
12.5°	442.0
15°	429.5
17.5°	413.5
20°	397.5
22.5°	379.6
25°	361.8
27.5°	344.0
30°	322.6
32.5°	303.0
35°	281.6
37.5°	260.2
40°	238.8
42.5°	217.4
45°	196.1
47.5°	174.7
50°	153.3
52.5°	133.7
55°	114.1
57.5°	96.2
60°	80.2
62.5°	67.7
65°	60.6
67.5°	53.5
70°	46.3
72.5°	39.2
75°	32.1
77.5°	26.7
80°	19.6
82.5°	14.3
85°	8.9
87.5°	3.6
90°	0.0

(END OF REPORT)