

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: P1503778

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503778
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-010-XXXX-WHTE-XX-OC (3000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

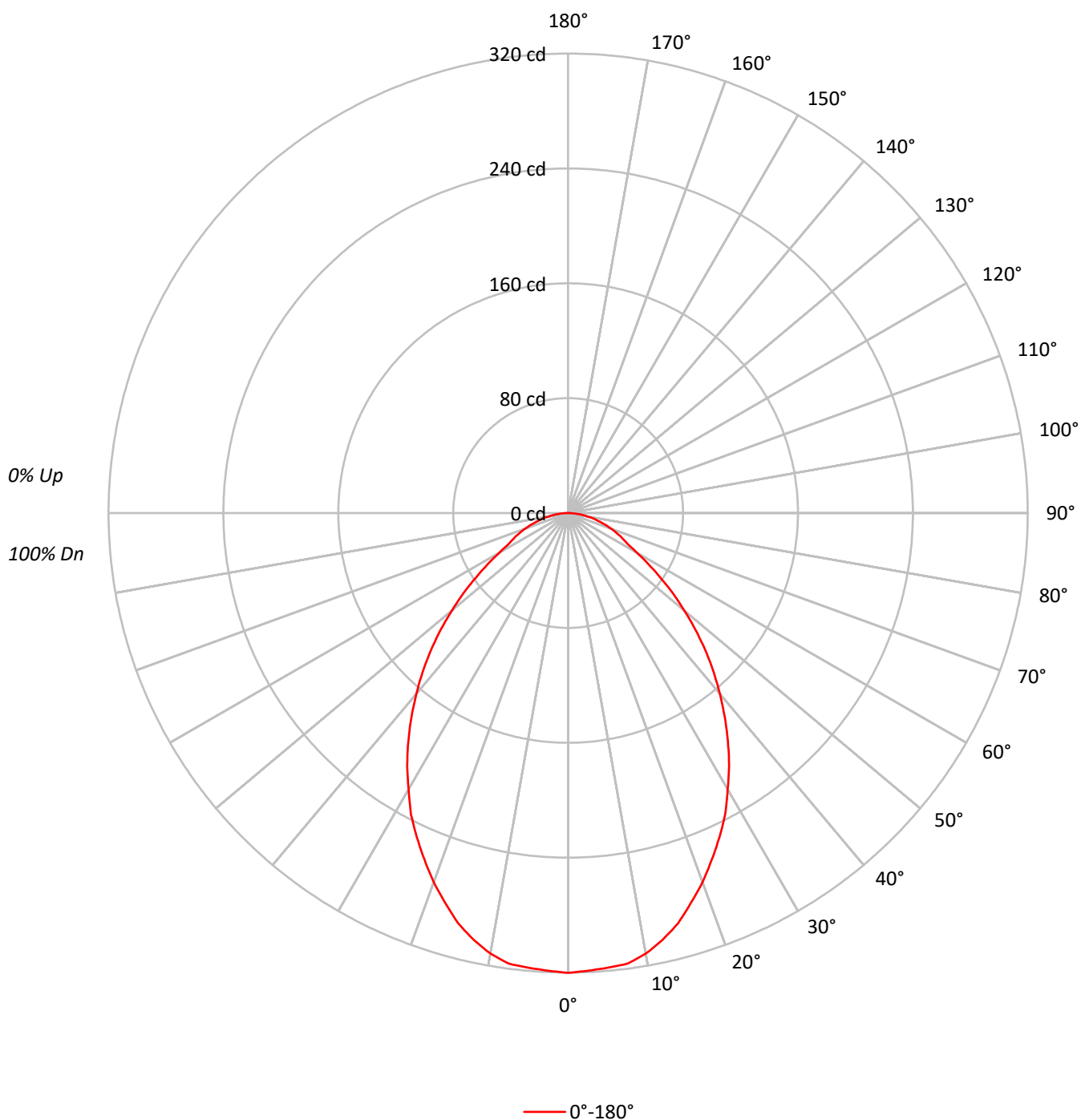
Lumens per Lamp: N/A
Luminaire Lumens: 595.4 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	9874
5°	9837
10°	9757
15°	9440
20°	8978
25°	8475
30°	7908
35°	7299
40°	6618
45°	5887
50°	5061
55°	4220
60°	3404
65°	3043
70°	2876
75°	2633
80°	2397
85°	2158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5887 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.2	5.1
10°-20°	82.9	13.9
20°-30°	114.5	19.2
30°-40°	121.0	20.3
40°-50°	103.9	17.4
50°-60°	70.7	11.9
60°-70°	41.7	7.0
70°-80°	23.8	4.0
80°-90°	6.8	1.1
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°	227.5	38.2
0°-40°	348.5	58.5
0°-60°	523.1	87.9
0°-90°	595.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	320	
5°	318	30
15°	296	83
25°	249	114
35°	194	121
45°	135	104
55°	78	71
65°	42	42
75°	22	24
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	320.2
2.5°	319.0
5°	317.8
7.5°	316.5
10°	311.6
12.5°	304.3
15°	295.7
17.5°	284.6
20°	273.6
22.5°	261.3
25°	249.1
27.5°	236.8
30°	222.1
32.5°	208.6
35°	193.9
37.5°	179.1
40°	164.4
42.5°	149.7
45°	135.0
47.5°	120.2
50°	105.5
52.5°	92.0
55°	78.5
57.5°	66.3
60°	55.2
62.5°	46.6
65°	41.7
67.5°	36.8
70°	31.9
72.5°	27.0
75°	22.1
77.5°	18.4
80°	13.5
82.5°	9.8
85°	6.1
87.5°	2.5
90°	0.0

(END OF REPORT)