

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: P1503922

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OC (5000K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503922
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

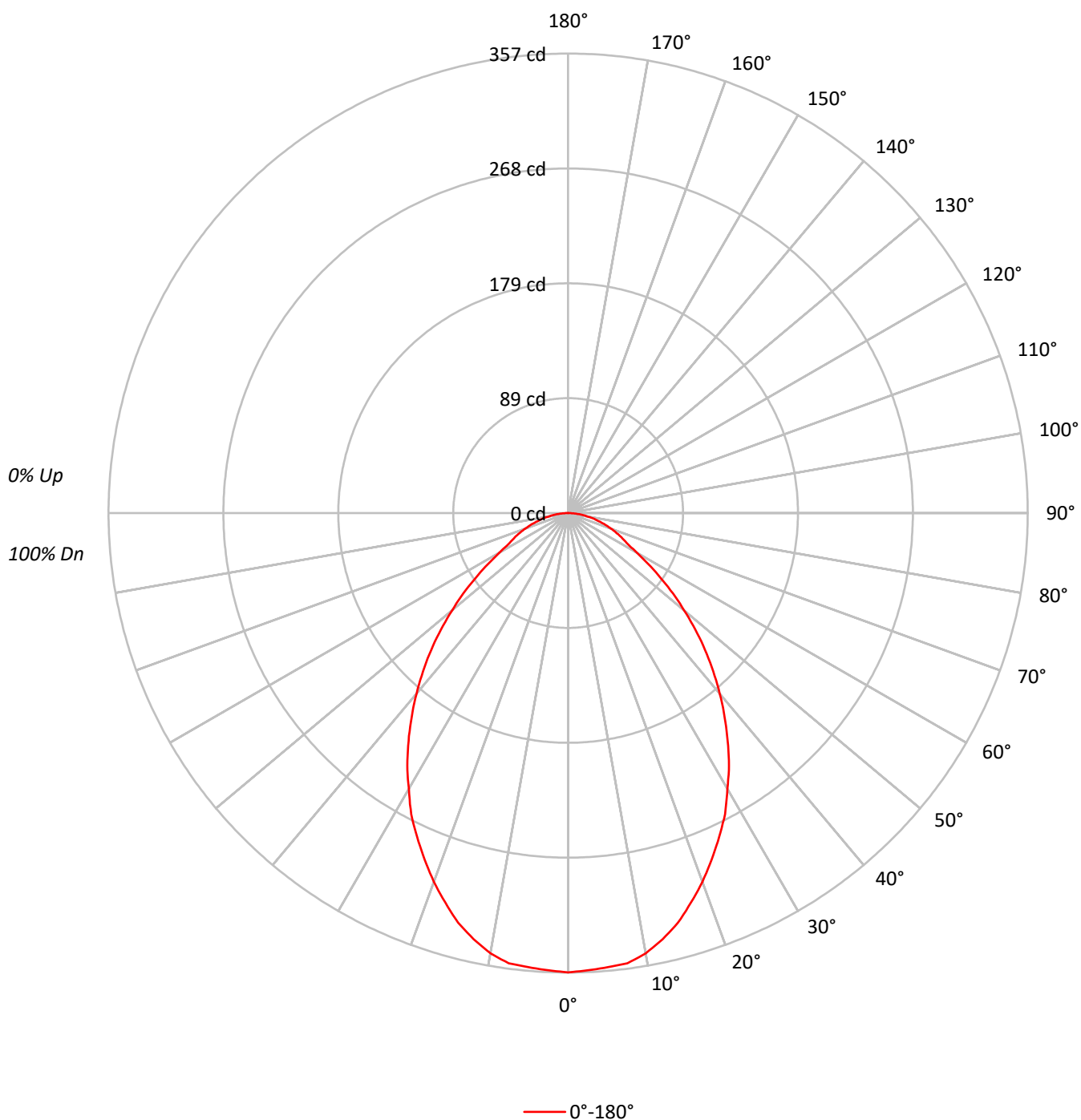
Lumens per Lamp: N/A
Luminaire Lumens: 663.6 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 8.8
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°	11005
5°	10964
10°	10875
15°	10522
20°	10005
25°	9445
30°	8813
35°	8135
40°	7375
45°	6559
50°	5642
55°	4704
60°	3793
65°	3393
70°	3210
75°	2931
80°	2664
85°	2406

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	5.1
10°-20°	92.4	13.9
20°-30°	127.6	19.2
30°-40°	134.8	20.3
40°-50°	115.8	17.4
50°-60°	78.8	11.9
60°-70°	46.5	7.0
70°-80°	26.5	4.0
80°-90°	7.6	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°	253.6	38.2
0°-40°	388.4	58.5
0°-60°	583.0	87.9
0°-90°	663.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	357	
5°	354	34
15°	330	92
25°	278	128
35°	216	135
45°	150	116
55°	88	79
65°	46	47
75°	25	27
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	356.9
2.5°	355.5
5°	354.2
7.5°	352.8
10°	347.3
12.5°	339.1
15°	329.6
17.5°	317.3
20°	304.9
22.5°	291.3
25°	277.6
27.5°	263.9
30°	247.5
32.5°	232.5
35°	216.1
37.5°	199.7
40°	183.2
42.5°	166.8
45°	150.4
47.5°	134.0
50°	117.6
52.5°	102.6
55°	87.5
57.5°	73.8
60°	61.5
62.5°	52.0
65°	46.5
67.5°	41.0
70°	35.6
72.5°	30.1
75°	24.6
77.5°	20.5
80°	15.0
82.5°	10.9
85°	6.8
87.5°	2.7
90°	0.0

(END OF REPORT)