

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: P1503812

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (4000K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-8)
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-BRNZ-XX-ND (4000K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

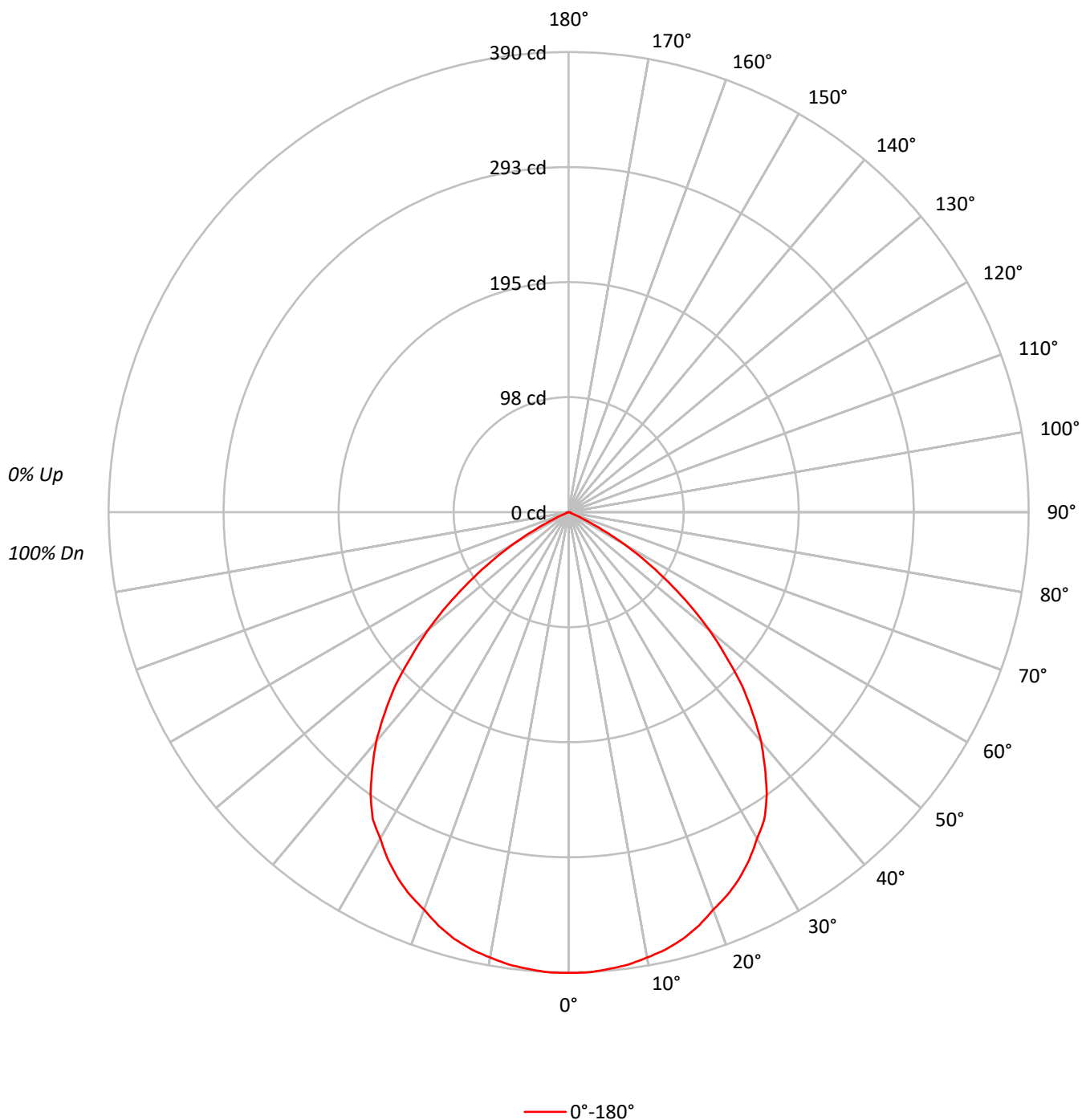
Lumens per Lamp: N/A
Luminaire Lumens: 753.5 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90							
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80							
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	72	71							
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63							
5	83	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56							
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50							
7	72	61	53	48	71	60	53	48	58	52	47	57	51	47	56	51	47	45							
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	52	46	42	41							
9	64	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	39	37							
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12038
5°	12029
10°	12002
15°	11952
20°	11761
25°	11653
30°	11373
35°	11022
40°	10216
45°	9053
50°	7493
55°	5532
60°	3392
65°	1036
70°	162
75°	214
80°	320
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9053 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	4.9
10°-20°	105.4	14.0
20°-30°	157.4	20.9
30°-40°	181.6	24.1
40°-50°	158.6	21.0
50°-60°	92.5	12.3
60°-70°	19.0	2.5
70°-80°	1.9	0.3
80°-90°	0.2	0.0
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°	299.7	39.8
0°-40°	481.3	63.9
0°-60°	732.3	97.2
0°-90°	753.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	390	
5°	389	37
15°	374	105
25°	342	157
35°	293	182
45°	208	159
55°	103	92
65°	14	19
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	390.4
2.5°	390.4
5°	388.6
7.5°	386.8
10°	383.3
12.5°	379.7
15°	374.4
17.5°	367.3
20°	358.4
22.5°	351.3
25°	342.5
27.5°	331.8
30°	319.4
32.5°	308.8
35°	292.8
37.5°	273.3
40°	253.8
42.5°	230.7
45°	207.6
47.5°	181.0
50°	156.2
52.5°	129.5
55°	102.9
57.5°	78.1
60°	55.0
62.5°	31.9
65°	14.2
67.5°	3.5
70°	1.8
72.5°	1.8
75°	1.8
77.5°	1.8
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)