

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: P1503817

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

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503817
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 (5000K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

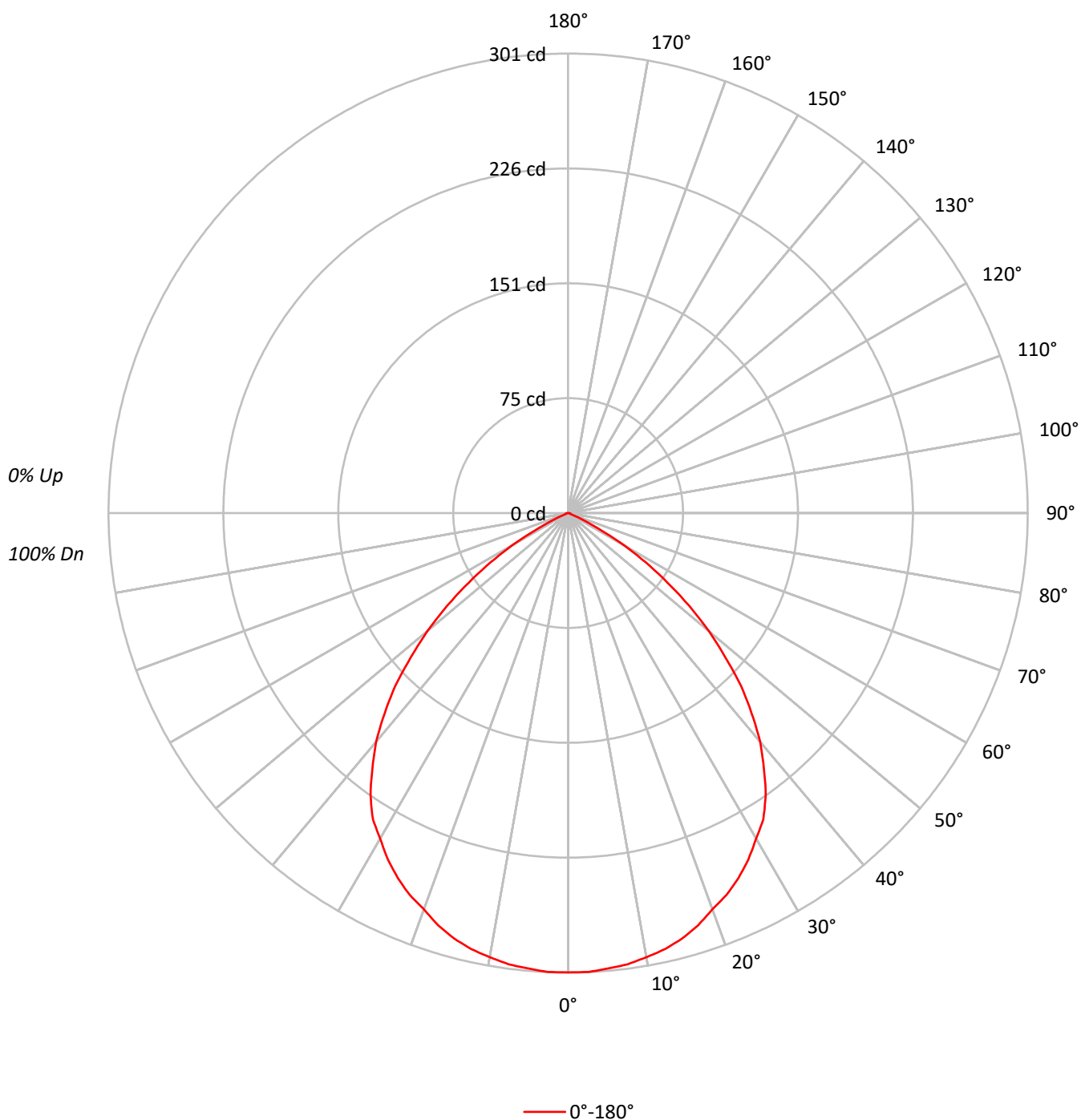
Lumens per Lamp: N/A
Luminaire Lumens: 580.6 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1503817

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (5000K-800LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503817

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (5000K-800LM)

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	0		
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°	9279
5°	9271
10°	9250
15°	9210
20°	9064
25°	8979
30°	8766
35°	8493
40°	7874
45°	6977
50°	5771
55°	4263
60°	2615
65°	795
70°	126
75°	167
80°	249
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6977 cd/sqm

TEST NUMBER: P1503817

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (5000K-800LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	4.9
10°-20°	81.2	14.0
20°-30°	121.3	20.9
30°-40°	139.9	24.1
40°-50°	122.2	21.0
50°-60°	71.2	12.3
60°-70°	14.6	2.5
70°-80°	1.5	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°	231.0	39.8
0°-40°	370.9	63.9
0°-60°	564.3	97.2
0°-90°	580.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	580.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	301	
5°	300	28
15°	288	81
25°	264	121
35°	226	140
45°	160	122
55°	79	71
65°	11	15
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1503817

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (5000K-800LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	300.9
2.5°	300.9
5°	299.5
7.5°	298.1
10°	295.4
12.5°	292.6
15°	288.5
17.5°	283.1
20°	276.2
22.5°	270.8
25°	263.9
27.5°	255.7
30°	246.2
32.5°	237.9
35°	225.6
37.5°	210.6
40°	195.6
42.5°	177.8
45°	160.0
47.5°	139.5
50°	120.3
52.5°	99.8
55°	79.3
57.5°	60.2
60°	42.4
62.5°	24.6
65°	10.9
67.5°	2.7
70°	1.4
72.5°	1.4
75°	1.4
77.5°	1.4
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)