

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: P1503683

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-14)
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-BRNZ-XX-OC (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

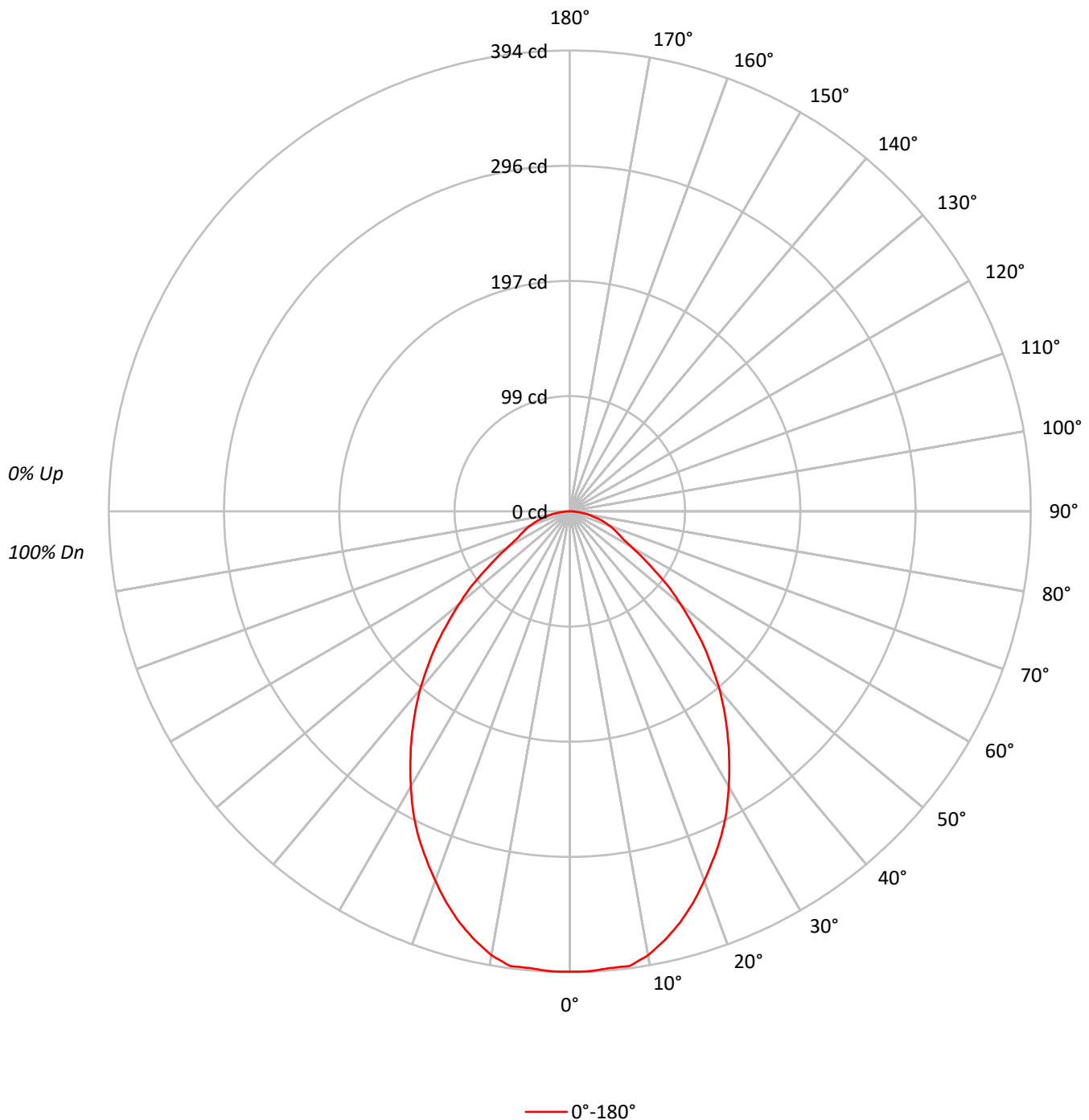
Lumens per Lamp: N/A
Luminaire Lumens: 713.2 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
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: P1503683

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (2700K-1000LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503683

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (2700K-1000LM)

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	111	107	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87			
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76			
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	88	77	69	64	85	76	69	63	73	67	62	71	66	61	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	39	34	44	38	34	43	38	34	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12137
5°	12134
10°	12068
15°	11620
20°	11026
25°	10422
30°	9674
35°	8865
40°	8023
45°	7039
50°	5925
55°	4779
60°	3756
65°	3364
70°	3264
75°	3145
80°	2930
85°	2335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7039 cd/sqm

TEST NUMBER: P1503683

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (2700K-1000LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	5.2
10°-20°	102.1	14.3
20°-30°	140.5	19.7
30°-40°	147.1	20.6
40°-50°	123.9	17.4
50°-60°	80.7	11.3
60°-70°	46.2	6.5
70°-80°	27.4	3.8
80°-90°	8.1	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°	279.9	39.2
0°-40°	426.9	59.9
0°-60°	631.5	88.5
0°-90°	713.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	713.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	394	
5°	392	37
15°	364	102
25°	306	140
35°	236	147
45°	161	124
55°	89	81
65°	46	46
75°	26	27
85°	7	8
90°	0	

TEST NUMBER: P1503683

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-OC (2700K-1000LM)

CANDELA DISTRIBUTION (FULL):

	0°
0°	393.6
2.5°	393.6
5°	392.0
7.5°	392.0
10°	385.4
12.5°	375.5
15°	364.0
17.5°	350.8
20°	336.0
22.5°	321.2
25°	306.3
27.5°	289.9
30°	271.7
32.5°	253.6
35°	235.5
37.5°	217.4
40°	199.3
42.5°	179.5
45°	161.4
47.5°	141.6
50°	123.5
52.5°	107.1
55°	88.9
57.5°	74.1
60°	60.9
62.5°	51.1
65°	46.1
67.5°	41.2
70°	36.2
72.5°	31.3
75°	26.4
77.5°	19.8
80°	16.5
82.5°	11.5
85°	6.6
87.5°	3.3
90°	0.0

(END OF REPORT)