

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: P1503835

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (2700K-800LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-11)
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-OT (2700K-800LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRONZE REFLECTOR
LIGHT LEVEL 2 - 800 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

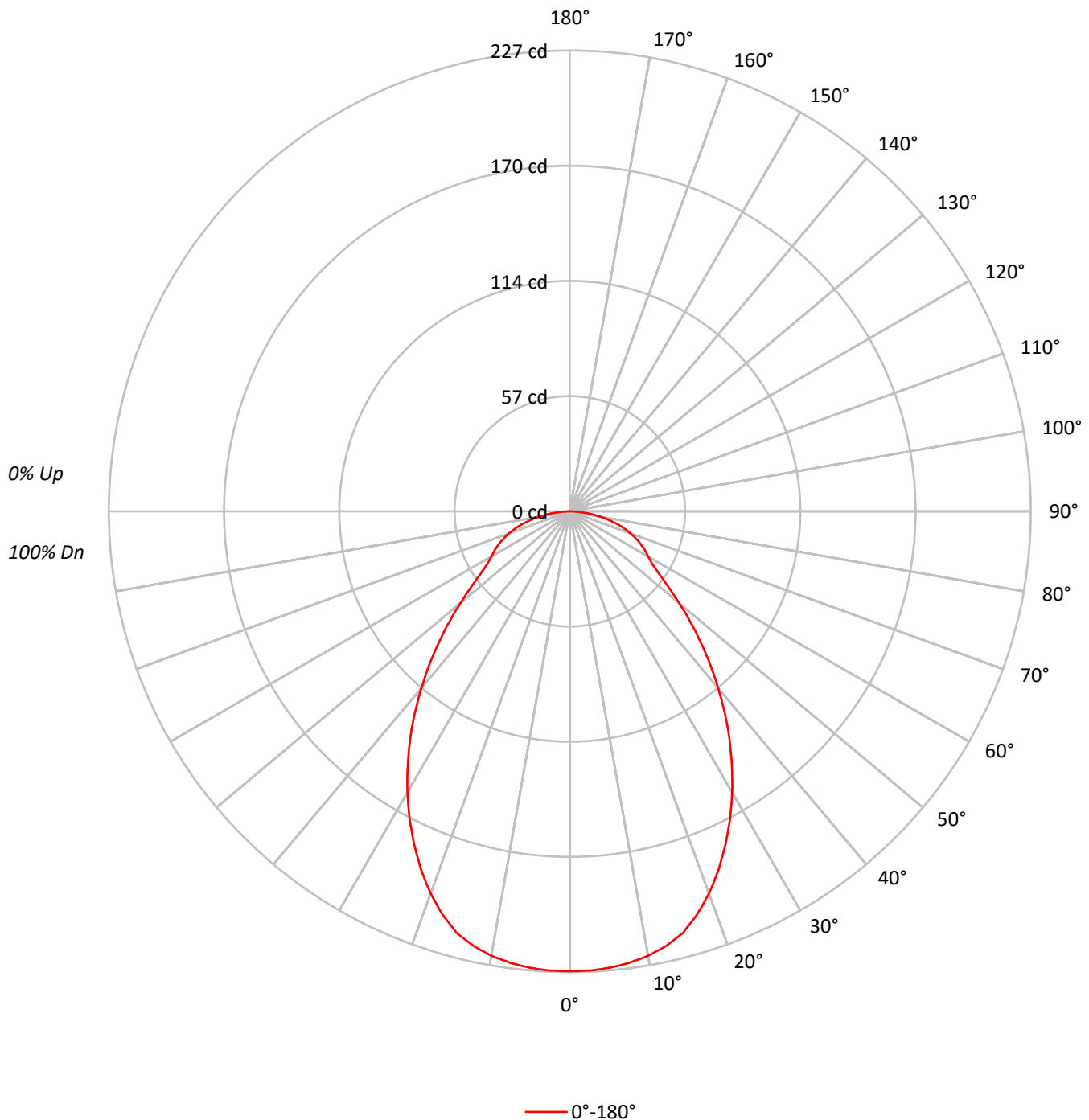
Lumens per Lamp: N/A
Luminaire Lumens: 440.6 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.14
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1503835

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (2700K-800LM)

Luminous Intensity Polar Plot





TEST NUMBER: P1503835

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (2700K-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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64		
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56		
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	50		
6	74	62	54	48	72	61	53	48	59	52	47	58	52	47	56	51	46	44		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36		
9	61	48	41	36	60	48	40	35	47	40	35	46	40	35	45	39	35	33		
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	6988
5°	6986
10°	6961
15°	6864
20°	6573
25°	6165
30°	5694
35°	5161
40°	4573
45°	3964
50°	3372
55°	2882
60°	2744
65°	2824
70°	2876
75°	2871
80°	2717
85°	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3964 cd/sqm

TEST NUMBER: P1503835

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (2700K-800LM)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	4.9
10°-20°	60.2	13.7
20°-30°	83.1	18.9
30°-40°	85.5	19.4
40°-50°	70.3	16.0
50°-60°	49.1	11.2
60°-70°	38.1	8.7
70°-80°	25.2	5.7
80°-90°	7.5	1.7
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°	164.8	37.4
0°-40°	250.2	56.8
0°-60°	369.7	83.9
0°-90°	440.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	227	
5°	226	21
15°	215	60
25°	181	83
35°	137	85
45°	91	70
55°	54	49
65°	39	38
75°	24	25
85°	7	8
90°	0	

TEST NUMBER: P1503835

CATALOG NUMBER: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OT (2700K-800LM)

CANDELA DISTRIBUTION (FULL):

0°	
0°	226.6
2.5°	226.4
5°	225.7
7.5°	224.3
10°	222.3
12.5°	219.3
15°	215.0
17.5°	208.3
20°	200.3
22.5°	191.2
25°	181.2
27.5°	170.8
30°	159.9
32.5°	148.5
35°	137.1
37.5°	125.4
40°	113.6
42.5°	102.3
45°	90.9
47.5°	80.4
50°	70.3
52.5°	61.1
55°	53.6
57.5°	48.0
60°	44.5
62.5°	41.8
65°	38.7
67.5°	35.3
70°	31.9
72.5°	28.1
75°	24.1
77.5°	19.8
80°	15.3
82.5°	10.9
85°	6.7
87.5°	2.5
90°	0.0

(END OF REPORT)