

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: P1503676

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-800LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503676  
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-010-XXXX-BRNZ-XX-ND (3500K-800LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR  
LIGHT LEVEL 2 - 800 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

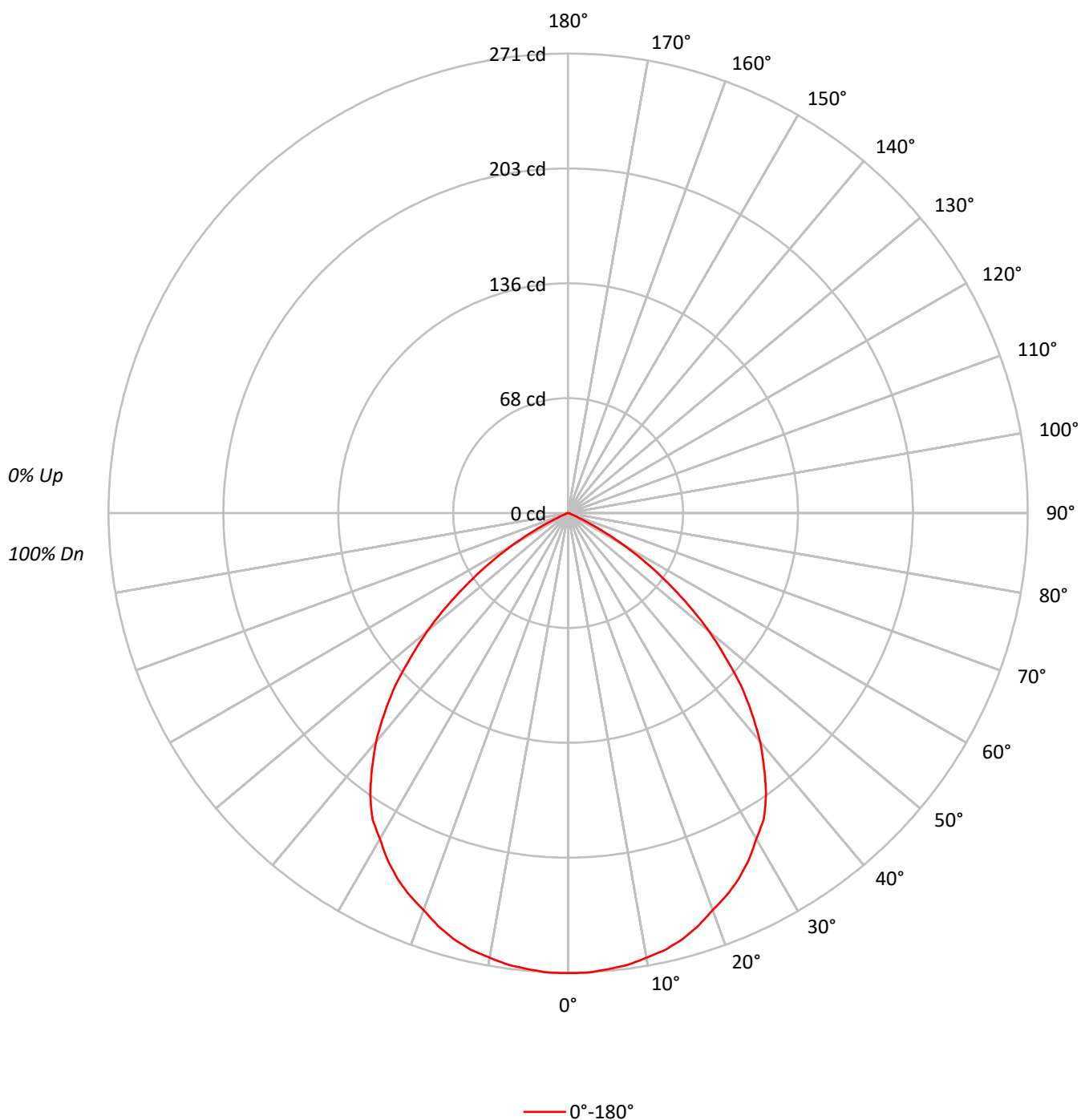
Lumens per Lamp: N/A  
Luminaire Lumens: 523.5 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.2  
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: P1503676

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-800LM)

### Luminous Intensity Polar Plot





TEST NUMBER: P1503676

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-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°  | 8366 |
| 5°  | 8358 |
| 10° | 8338 |
| 15° | 8307 |
| 20° | 8174 |
| 25° | 8098 |
| 30° | 7901 |
| 35° | 7657 |
| 40° | 7097 |
| 45° | 6293 |
| 50° | 5205 |
| 55° | 3844 |
| 60° | 2356 |
| 65° | 722  |
| 70° | 108  |
| 75° | 143  |
| 80° | 213  |
| 85° | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 6293 cd/sqm

TEST NUMBER: P1503676

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-800LM)

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.7   | 4.9       |
| 10°-20°   | 73.2   | 14.0      |
| 20°-30°   | 109.4  | 20.9      |
| 30°-40°   | 126.1  | 24.1      |
| 40°-50°   | 110.2  | 21.0      |
| 50°-60°   | 64.2   | 12.3      |
| 60°-70°   | 13.2   | 2.5       |
| 70°-80°   | 1.3    | 0.2       |
| 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°    | 208.3  | 39.8      |
| 0°-40°    | 334.4  | 63.9      |
| 0°-60°    | 508.8  | 97.2      |
| 0°-90°    | 523.5  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 523.5  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 271 |      |
| 5°  | 270 | 26   |
| 15° | 260 | 73   |
| 25° | 238 | 109  |
| 35° | 203 | 126  |
| 45° | 144 | 110  |
| 55° | 72  | 64   |
| 65° | 10  | 13   |
| 75° | 1   | 1    |
| 85° | 0   | 0    |
| 90° | 0   |      |

TEST NUMBER: P1503676

CATALOG NUMBER: PRLX-SM4-03-LS-FS-010-XXXX-BRNZ-XX-ND (3500K-800LM)

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 271.3 |
| 2.5°  | 271.3 |
| 5°    | 270.0 |
| 7.5°  | 268.8 |
| 10°   | 266.3 |
| 12.5° | 263.9 |
| 15°   | 260.2 |
| 17.5° | 255.2 |
| 20°   | 249.1 |
| 22.5° | 244.1 |
| 25°   | 238.0 |
| 27.5° | 230.6 |
| 30°   | 221.9 |
| 32.5° | 214.5 |
| 35°   | 203.4 |
| 37.5° | 189.9 |
| 40°   | 176.3 |
| 42.5° | 160.3 |
| 45°   | 144.3 |
| 47.5° | 125.8 |
| 50°   | 108.5 |
| 52.5° | 90.0  |
| 55°   | 71.5  |
| 57.5° | 54.3  |
| 60°   | 38.2  |
| 62.5° | 22.2  |
| 65°   | 9.9   |
| 67.5° | 2.5   |
| 70°   | 1.2   |
| 72.5° | 1.2   |
| 75°   | 1.2   |
| 77.5° | 1.2   |
| 80°   | 1.2   |
| 82.5° | 0.0   |
| 85°   | 0.0   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)