

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: P1503825

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRNZ-XX-OC (3500K-650LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503825  
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-D2W-XXXX-BRNZ-XX-OC (3500K-650LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, BRONZE REFLECTOR  
LIGHT LEVEL 1 - 650 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

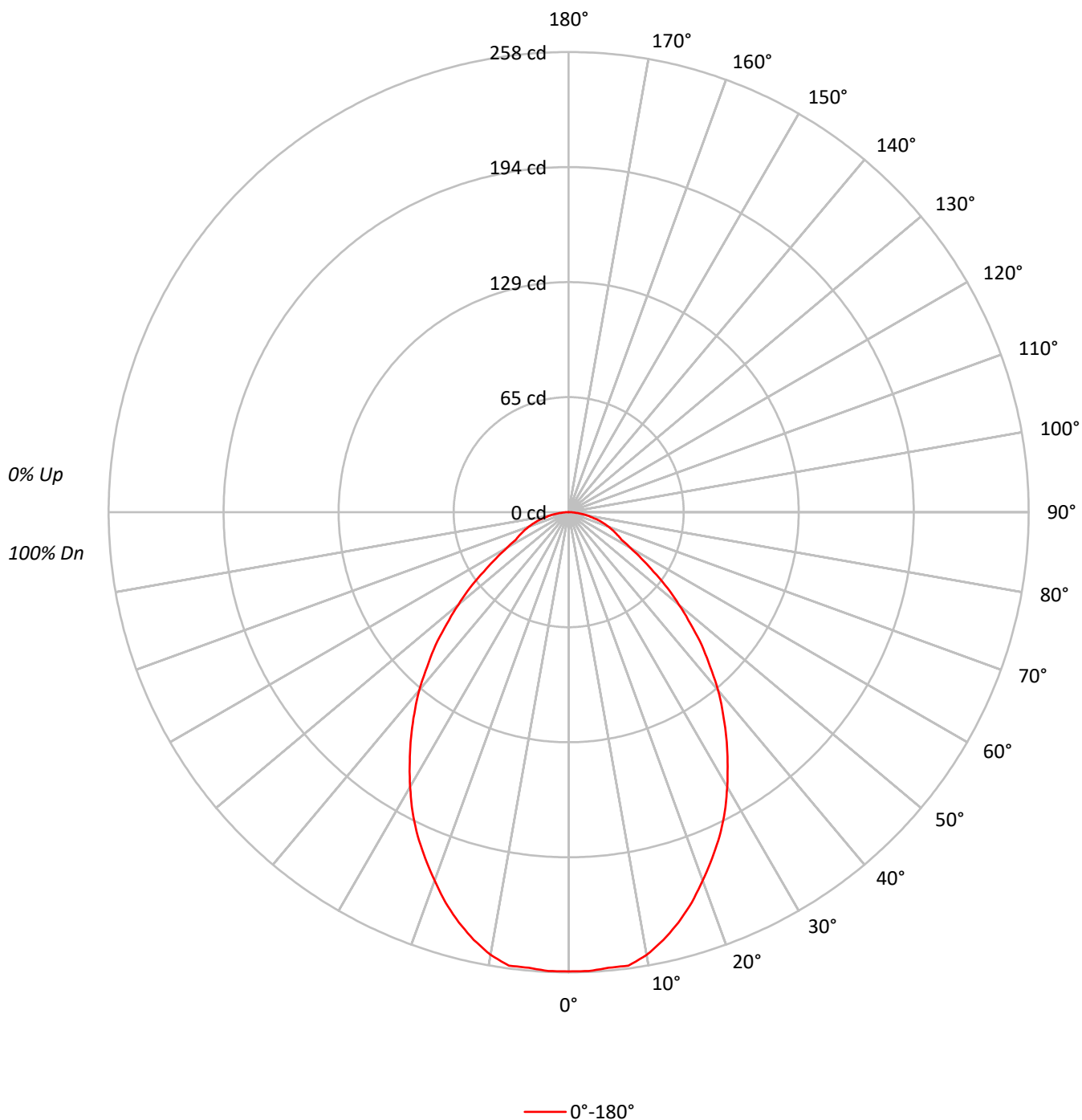
Lumens per Lamp: N/A  
Luminaire Lumens: 466.6 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 6.9  
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

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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  |     |     |  |  | 0  |
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |  |  |    |
| R  | C   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |    |
| 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°  | 7940 |
| 5°  | 7937 |
| 10° | 7894 |
| 15° | 7601 |
| 20° | 7213 |
| 25° | 6818 |
| 30° | 6331 |
| 35° | 5801 |
| 40° | 5249 |
| 45° | 4605 |
| 50° | 3876 |
| 55° | 3129 |
| 60° | 2461 |
| 65° | 2204 |
| 70° | 2137 |
| 75° | 2049 |
| 80° | 1918 |
| 85° | 1521 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 4605 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.4   | 5.2       |
| 10°-20°   | 66.8   | 14.3      |
| 20°-30°   | 91.9   | 19.7      |
| 30°-40°   | 96.2   | 20.6      |
| 40°-50°   | 81.0   | 17.4      |
| 50°-60°   | 52.8   | 11.3      |
| 60°-70°   | 30.3   | 6.5       |
| 70°-80°   | 17.9   | 3.8       |
| 80°-90°   | 5.3    | 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°    | 183.1  | 39.2      |
| 0°-40°    | 279.3  | 59.9      |
| 0°-60°    | 413.1  | 88.5      |
| 0°-90°    | 466.6  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 466.6  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 258 |      |
| 5°  | 256 | 24   |
| 15° | 238 | 67   |
| 25° | 200 | 92   |
| 35° | 154 | 96   |
| 45° | 106 | 81   |
| 55° | 58  | 53   |
| 65° | 30  | 30   |
| 75° | 17  | 18   |
| 85° | 4   | 5    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 257.5 |
| 2.5°  | 257.5 |
| 5°    | 256.4 |
| 7.5°  | 256.4 |
| 10°   | 252.1 |
| 12.5° | 245.6 |
| 15°   | 238.1 |
| 17.5° | 229.5 |
| 20°   | 219.8 |
| 22.5° | 210.1 |
| 25°   | 200.4 |
| 27.5° | 189.6 |
| 30°   | 177.8 |
| 32.5° | 165.9 |
| 35°   | 154.1 |
| 37.5° | 142.2 |
| 40°   | 130.4 |
| 42.5° | 117.4 |
| 45°   | 105.6 |
| 47.5° | 92.7  |
| 50°   | 80.8  |
| 52.5° | 70.0  |
| 55°   | 58.2  |
| 57.5° | 48.5  |
| 60°   | 39.9  |
| 62.5° | 33.4  |
| 65°   | 30.2  |
| 67.5° | 26.9  |
| 70°   | 23.7  |
| 72.5° | 20.5  |
| 75°   | 17.2  |
| 77.5° | 12.9  |
| 80°   | 10.8  |
| 82.5° | 7.5   |
| 85°   | 4.3   |
| 87.5° | 2.2   |
| 90°   | 0.0   |

(END OF REPORT)