

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: P1503777

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-OC (3000K-650LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503777  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-13)  
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-WHTE-XX-OC (3000K-650LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR  
LIGHT LEVEL 1 - 650 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

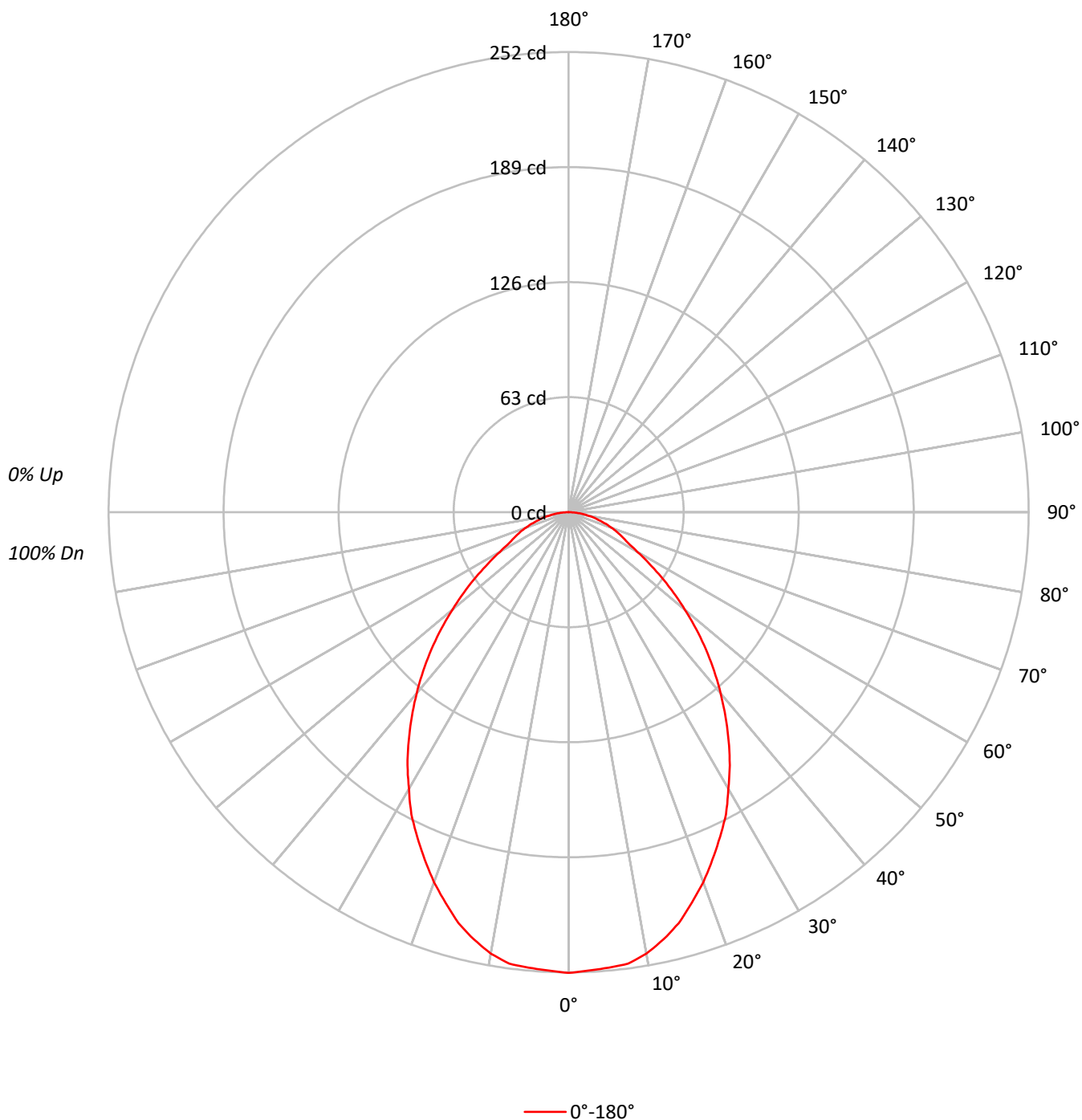
Lumens per Lamp: N/A  
Luminaire Lumens: 469.1 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Spacing Criteria (0/90/45): 1.07 / 1.07 / 1.14  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 6.5  
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  |     |     |     | 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   | 110 | 106 | 103 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 93  | 91  | 89  | 87  |  |  |   |
| 2   | 102 | 95  | 89  | 84  | 99  | 93  | 88  | 83  | 90  | 85  | 81  | 86  | 83  | 79  | 83  | 80  | 78  | 76  |  |  |   |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 71  | 81  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 66  |  |  |   |
| 4   | 87  | 77  | 69  | 63  | 85  | 75  | 68  | 62  | 73  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 60  | 58  |  |  |   |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 61  | 55  | 66  | 60  | 55  | 64  | 59  | 54  | 63  | 58  | 53  | 52  |  |  |   |
| 6   | 75  | 63  | 55  | 49  | 74  | 62  | 55  | 49  | 61  | 54  | 49  | 59  | 53  | 48  | 58  | 52  | 48  | 46  |  |  |   |
| 7   | 70  | 58  | 50  | 44  | 69  | 57  | 50  | 44  | 56  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 43  | 42  |  |  |   |
| 8   | 66  | 53  | 46  | 40  | 64  | 53  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 39  | 38  |  |  |   |
| 9   | 62  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 34  |  |  |   |
| 10  | 58  | 46  | 39  | 34  | 57  | 45  | 38  | 34  | 44  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 32  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   |
|-----|------|
| 0°  | 7780 |
| 5°  | 7751 |
| 10° | 7687 |
| 15° | 7438 |
| 20° | 7075 |
| 25° | 6676 |
| 30° | 6231 |
| 35° | 5748 |
| 40° | 5213 |
| 45° | 4636 |
| 50° | 3987 |
| 55° | 3328 |
| 60° | 2683 |
| 65° | 2401 |
| 70° | 2263 |
| 75° | 2073 |
| 80° | 1882 |
| 85° | 1698 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 4636 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.8   | 5.1       |
| 10°-20°   | 65.3   | 13.9      |
| 20°-30°   | 90.2   | 19.2      |
| 30°-40°   | 95.3   | 20.3      |
| 40°-50°   | 81.8   | 17.4      |
| 50°-60°   | 55.7   | 11.9      |
| 60°-70°   | 32.9   | 7.0       |
| 70°-80°   | 18.7   | 4.0       |
| 80°-90°   | 5.4    | 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°    | 179.3  | 38.2      |
| 0°-40°    | 274.6  | 58.5      |
| 0°-60°    | 412.1  | 87.9      |
| 0°-90°    | 469.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 469.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 252 |      |
| 5°  | 250 | 24   |
| 15° | 233 | 65   |
| 25° | 196 | 90   |
| 35° | 153 | 95   |
| 45° | 106 | 82   |
| 55° | 62  | 56   |
| 65° | 33  | 33   |
| 75° | 17  | 19   |
| 85° | 5   | 5    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 252.3 |
| 2.5°  | 251.3 |
| 5°    | 250.4 |
| 7.5°  | 249.4 |
| 10°   | 245.5 |
| 12.5° | 239.7 |
| 15°   | 233.0 |
| 17.5° | 224.3 |
| 20°   | 215.6 |
| 22.5° | 205.9 |
| 25°   | 196.2 |
| 27.5° | 186.6 |
| 30°   | 175.0 |
| 32.5° | 164.3 |
| 35°   | 152.7 |
| 37.5° | 141.1 |
| 40°   | 129.5 |
| 42.5° | 117.9 |
| 45°   | 106.3 |
| 47.5° | 94.7  |
| 50°   | 83.1  |
| 52.5° | 72.5  |
| 55°   | 61.9  |
| 57.5° | 52.2  |
| 60°   | 43.5  |
| 62.5° | 36.7  |
| 65°   | 32.9  |
| 67.5° | 29.0  |
| 70°   | 25.1  |
| 72.5° | 21.3  |
| 75°   | 17.4  |
| 77.5° | 14.5  |
| 80°   | 10.6  |
| 82.5° | 7.7   |
| 85°   | 4.8   |
| 87.5° | 1.9   |
| 90°   | 0.0   |

(END OF REPORT)