

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: P1503771

Luminaire Tested: PRLX-SM4-03-LS-FS-010-XXXX-WHTE-XX-ND (5000K-650LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503771  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-7)  
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-ND (5000K-650LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR  
LIGHT LEVEL 1 - 650 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

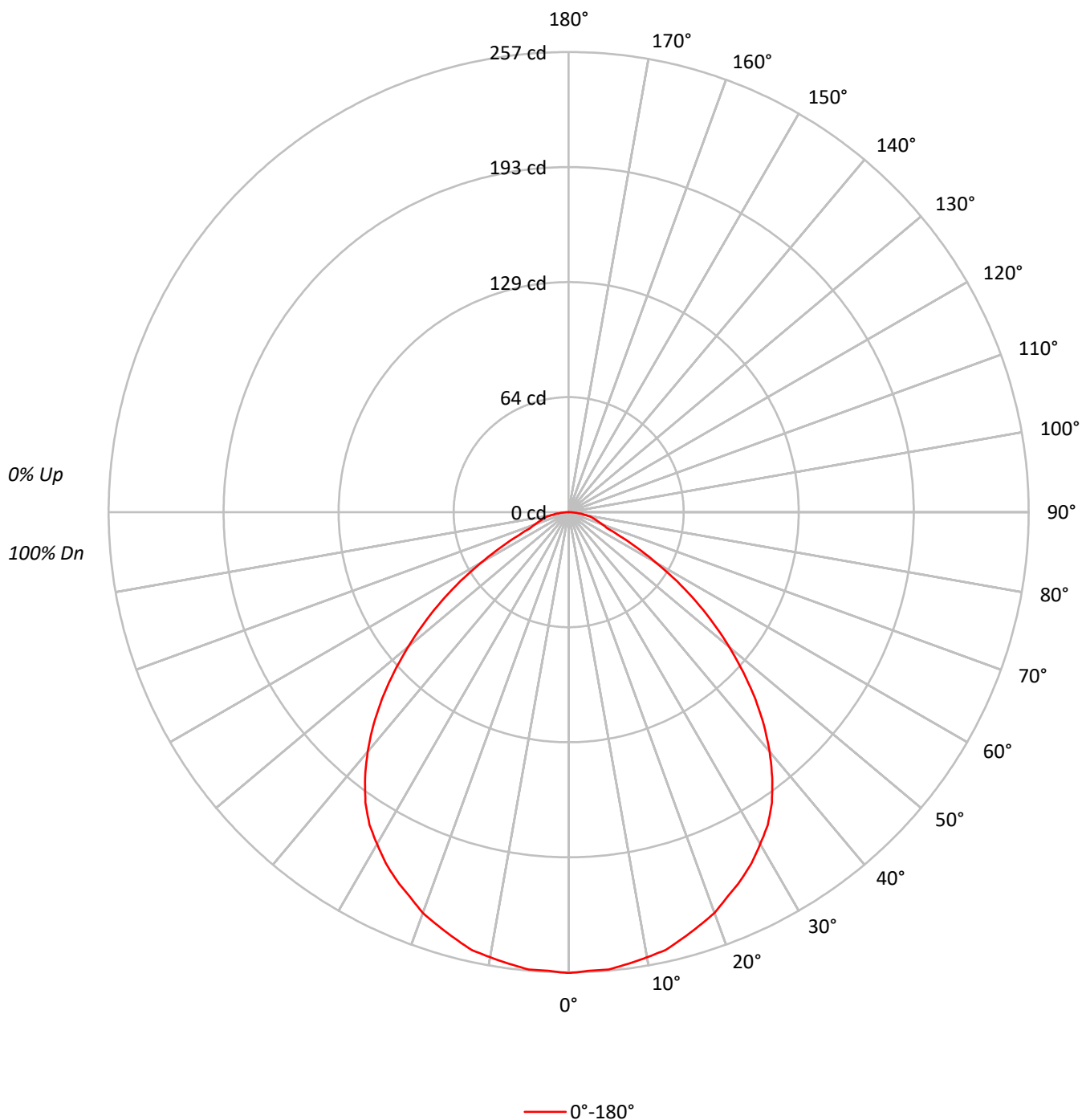
Lumens per Lamp: N/A  
Luminaire Lumens: 566.3 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.3  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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  |     |  |  |
| 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 | 98  | 95  | 96  | 94  | 92  | 93  | 91  | 90  | 88  |  |  |
| 2   | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 83  | 90  | 85  | 81  | 87  | 83  | 80  | 84  | 81  | 78  | 76  |  |  |
| 3   | 94  | 85  | 78  | 72  | 92  | 83  | 77  | 72  | 81  | 75  | 70  | 78  | 73  | 69  | 76  | 71  | 68  | 66  |  |  |
| 4   | 87  | 76  | 69  | 63  | 85  | 75  | 68  | 62  | 73  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |  |  |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 60  | 55  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 51  |  |  |
| 6   | 75  | 63  | 54  | 49  | 73  | 62  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 48  | 57  | 51  | 47  | 45  |  |  |
| 7   | 70  | 57  | 49  | 43  | 68  | 56  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 42  | 41  |  |  |
| 8   | 65  | 52  | 44  | 39  | 63  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 36  |  |  |
| 9   | 61  | 48  | 41  | 35  | 59  | 48  | 40  | 35  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 33  |  |  |
| 10  | 57  | 45  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 30  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 7937 |
| 5°  | 7937 |
| 10° | 7903 |
| 15° | 7863 |
| 20° | 7817 |
| 25° | 7727 |
| 30° | 7620 |
| 35° | 7450 |
| 40° | 7028 |
| 45° | 6428 |
| 50° | 5618 |
| 55° | 4666 |
| 60° | 3485 |
| 65° | 2284 |
| 70° | 1821 |
| 75° | 1799 |
| 80° | 1794 |
| 85° | 1415 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 6428 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.3   | 4.3       |
| 10°-20°   | 69.5   | 12.3      |
| 20°-30°   | 104.6  | 18.5      |
| 30°-40°   | 123.0  | 21.7      |
| 40°-50°   | 113.0  | 20.0      |
| 50°-60°   | 77.4   | 13.7      |
| 60°-70°   | 33.6   | 5.9       |
| 70°-80°   | 16.0   | 2.8       |
| 80°-90°   | 4.9    | 0.9       |
| 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°    | 198.4  | 35.0      |
| 0°-40°    | 321.4  | 56.8      |
| 0°-60°    | 511.8  | 90.4      |
| 0°-90°    | 566.3  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 566.3  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 257 |      |
| 5°  | 256 | 24   |
| 15° | 246 | 70   |
| 25° | 227 | 105  |
| 35° | 198 | 123  |
| 45° | 147 | 113  |
| 55° | 87  | 77   |
| 65° | 31  | 34   |
| 75° | 15  | 16   |
| 85° | 4   | 5    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 257.4 |
| 2.5°  | 256.4 |
| 5°    | 256.4 |
| 7.5°  | 254.4 |
| 10°   | 252.4 |
| 12.5° | 250.4 |
| 15°   | 246.3 |
| 17.5° | 242.3 |
| 20°   | 238.2 |
| 22.5° | 232.2 |
| 25°   | 227.1 |
| 27.5° | 221.1 |
| 30°   | 214.0 |
| 32.5° | 207.0 |
| 35°   | 197.9 |
| 37.5° | 186.8 |
| 40°   | 174.6 |
| 42.5° | 161.5 |
| 45°   | 147.4 |
| 47.5° | 132.2 |
| 50°   | 117.1 |
| 52.5° | 102.0 |
| 55°   | 86.8  |
| 57.5° | 71.7  |
| 60°   | 56.5  |
| 62.5° | 43.4  |
| 65°   | 31.3  |
| 67.5° | 23.2  |
| 70°   | 20.2  |
| 72.5° | 17.2  |
| 75°   | 15.1  |
| 77.5° | 13.1  |
| 80°   | 10.1  |
| 82.5° | 7.1   |
| 85°   | 4.0   |
| 87.5° | 2.0   |
| 90°   | 0.0   |

(END OF REPORT)