

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: P1503936

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OT (5000K-650LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503936  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-10)  
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-WHTE-XX-OT (5000K-650LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR  
LIGHT LEVEL 1 - 650 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

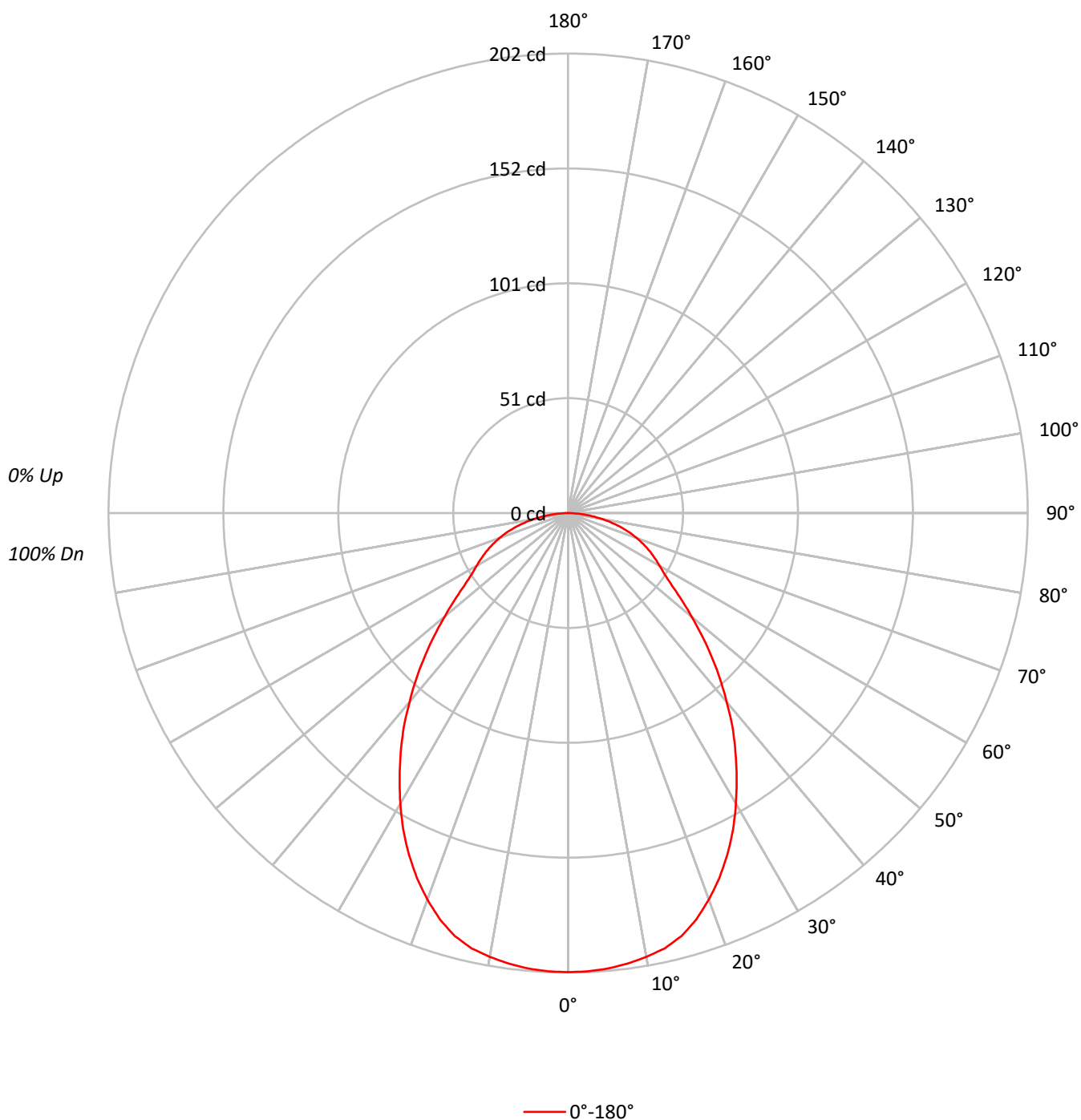
Lumens per Lamp: N/A  
Luminaire Lumens: 420.4 lumens  
Efficiency: N/A  
Efficacy: 60.9 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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  |  | 0   |     |     |  |     |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |  | 100 |
| 1   | 110 | 105 | 101 | 98  |  | 107 | 103 | 99  | 96  |  | 99  | 96  | 93  |  | 95  | 92  | 90  |  | 91  | 89  | 87  |  | 85  |
| 2   | 101 | 93  | 87  | 81  |  | 98  | 91  | 85  | 80  |  | 87  | 83  | 78  |  | 84  | 80  | 77  |  | 81  | 78  | 75  |  | 73  |
| 3   | 92  | 83  | 75  | 69  |  | 90  | 81  | 74  | 68  |  | 78  | 72  | 67  |  | 75  | 70  | 66  |  | 73  | 69  | 65  |  | 63  |
| 4   | 85  | 74  | 66  | 60  |  | 83  | 73  | 65  | 59  |  | 70  | 64  | 58  |  | 68  | 62  | 58  |  | 66  | 61  | 57  |  | 55  |
| 5   | 79  | 67  | 59  | 52  |  | 77  | 66  | 58  | 52  |  | 64  | 57  | 52  |  | 62  | 56  | 51  |  | 60  | 55  | 50  |  | 48  |
| 6   | 73  | 61  | 53  | 46  |  | 72  | 60  | 52  | 46  |  | 58  | 51  | 46  |  | 57  | 50  | 46  |  | 55  | 49  | 45  |  | 43  |
| 7   | 68  | 56  | 47  | 42  |  | 67  | 55  | 47  | 42  |  | 53  | 46  | 41  |  | 52  | 46  | 41  |  | 51  | 45  | 41  |  | 39  |
| 8   | 64  | 51  | 43  | 38  |  | 63  | 51  | 43  | 38  |  | 49  | 42  | 37  |  | 48  | 42  | 37  |  | 47  | 41  | 37  |  | 35  |
| 9   | 60  | 47  | 40  | 34  |  | 59  | 47  | 39  | 34  |  | 46  | 39  | 34  |  | 45  | 38  | 34  |  | 44  | 38  | 34  |  | 32  |
| 10  | 57  | 44  | 36  | 31  |  | 55  | 43  | 36  | 31  |  | 42  | 36  | 31  |  | 42  | 35  | 31  |  | 41  | 35  | 31  |  | 29  |

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

|     |      |
|-----|------|
|     | 0°   |
| 0°  | 6223 |
| 5°  | 6222 |
| 10° | 6203 |
| 15° | 6145 |
| 20° | 5933 |
| 25° | 5634 |
| 30° | 5252 |
| 35° | 4826 |
| 40° | 4364 |
| 45° | 3886 |
| 50° | 3396 |
| 55° | 2995 |
| 60° | 2862 |
| 65° | 2882 |
| 70° | 2894 |
| 75° | 2859 |
| 80° | 2699 |
| 85° | 2335 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3886 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 19.1   | 4.5       |
| 10°-20°   | 54.0   | 12.8      |
| 20°-30°   | 76.0   | 18.1      |
| 30°-40°   | 80.0   | 19.0      |
| 40°-50°   | 68.8   | 16.4      |
| 50°-60°   | 50.8   | 12.1      |
| 60°-70°   | 39.0   | 9.3       |
| 70°-80°   | 25.2   | 6.0       |
| 80°-90°   | 7.5    | 1.8       |
| 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°    | 149.0  | 35.5      |
| 0°-40°    | 229.0  | 54.5      |
| 0°-60°    | 348.6  | 82.9      |
| 0°-90°    | 420.4  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 420.4  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 202 |      |
| 5°  | 201 | 19   |
| 15° | 192 | 54   |
| 25° | 166 | 76   |
| 35° | 128 | 80   |
| 45° | 89  | 69   |
| 55° | 56  | 51   |
| 65° | 40  | 39   |
| 75° | 24  | 25   |
| 85° | 7   | 8    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 201.8 |
| 2.5°  | 201.6 |
| 5°    | 201.0 |
| 7.5°  | 199.8 |
| 10°   | 198.1 |
| 12.5° | 196.0 |
| 15°   | 192.5 |
| 17.5° | 187.3 |
| 20°   | 180.8 |
| 22.5° | 173.6 |
| 25°   | 165.6 |
| 27.5° | 156.9 |
| 30°   | 147.5 |
| 32.5° | 137.8 |
| 35°   | 128.2 |
| 37.5° | 118.6 |
| 40°   | 108.4 |
| 42.5° | 98.8  |
| 45°   | 89.1  |
| 47.5° | 79.8  |
| 50°   | 70.8  |
| 52.5° | 62.9  |
| 55°   | 55.7  |
| 57.5° | 50.3  |
| 60°   | 46.4  |
| 62.5° | 42.9  |
| 65°   | 39.5  |
| 67.5° | 35.9  |
| 70°   | 32.1  |
| 72.5° | 28.2  |
| 75°   | 24.0  |
| 77.5° | 19.6  |
| 80°   | 15.2  |
| 82.5° | 10.9  |
| 85°   | 6.6   |
| 87.5° | 2.6   |
| 90°   | 0.0   |

(END OF REPORT)