

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: P1503607

Luminaire Tested: PRLX-SM4-02-LS-FS-010-XXXX-BRSS-XX (5000K-800LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/28/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-SM4-02-LS-FS-010-XXXX-BRSS-XX (5000K-800LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, BRASS REFLECTOR  
LIGHT LEVEL 2 - 800 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

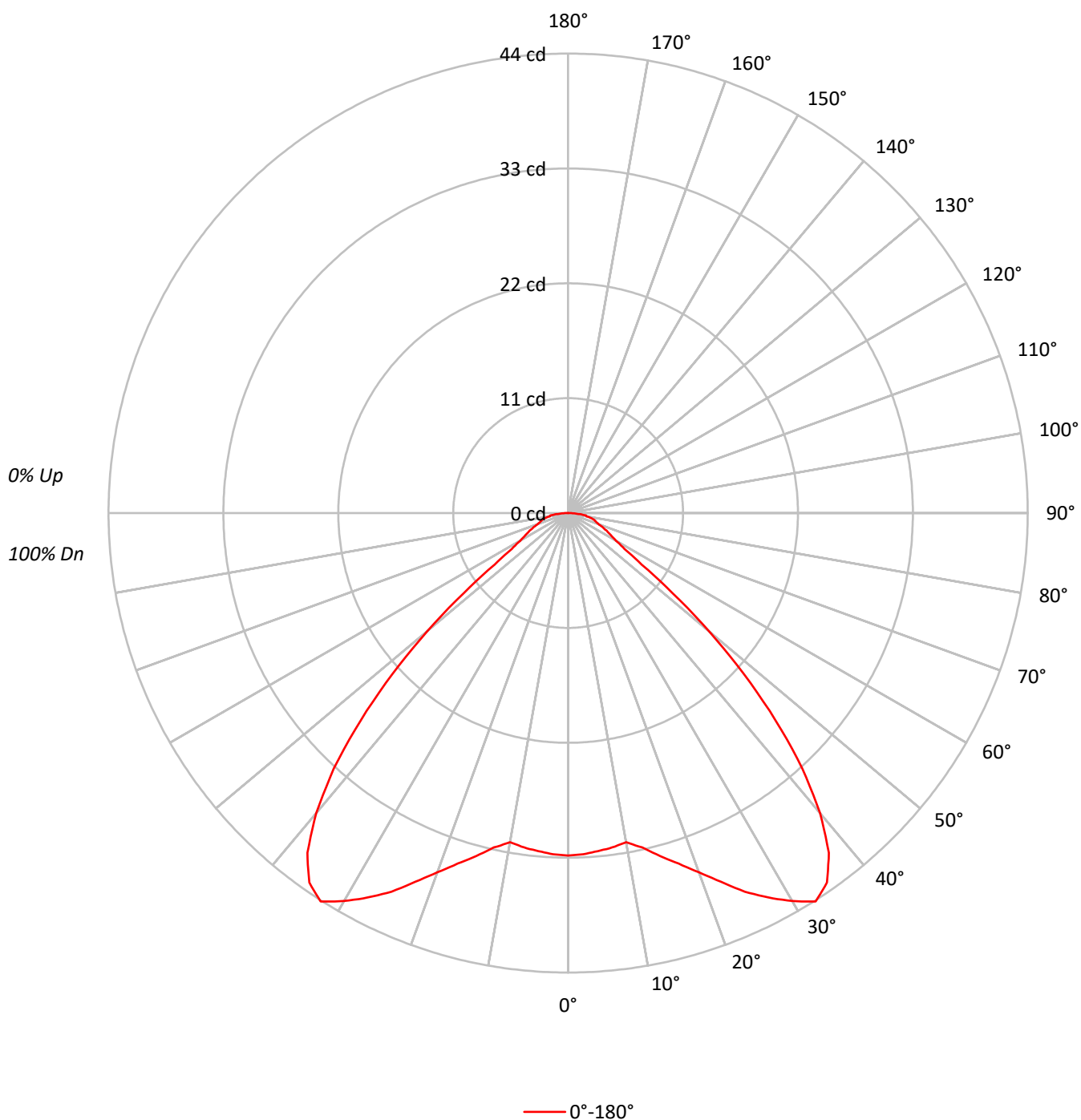
Lumens per Lamp: N/A  
Luminaire Lumens: 95.6 lumens  
Efficiency: N/A  
Efficacy: 11.7 lumens/watt  
Spacing Criteria (0/90/45): 1.7 / 1.7 / 1.49  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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

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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  | 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 | 105 | 101 | 98  | 100 | 98  | 95  | 97  | 94  | 92  | 93  | 91  | 90  | 88  |    |    |    |    |    |   |  |   |
| 2   | 102 | 96  | 90  | 85  | 100 | 94  | 88  | 84  | 90  | 86  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 77  |    |    |    |    |    |   |  |   |
| 3   | 95  | 86  | 79  | 73  | 92  | 84  | 78  | 72  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  |    |    |    |    |    |   |  |   |
| 4   | 88  | 77  | 69  | 63  | 85  | 76  | 69  | 63  | 73  | 67  | 62  | 71  | 66  | 61  | 69  | 64  | 61  | 59  |    |    |    |    |    |   |  |   |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 61  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 52  |    |    |    |    |    |   |  |   |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 55  | 49  | 60  | 54  | 49  | 59  | 53  | 48  | 57  | 52  | 48  | 46  |    |    |    |    |    |   |  |   |
| 7   | 70  | 57  | 49  | 44  | 68  | 57  | 49  | 44  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 41  |    |    |    |    |    |   |  |   |
| 8   | 65  | 53  | 45  | 39  | 64  | 52  | 44  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 38  | 37  |    |    |    |    |    |   |  |   |
| 9   | 61  | 48  | 40  | 35  | 59  | 48  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |    |    |    |    |    |   |  |   |
| 10  | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 31  | 30  |    |    |    |    |    |   |  |   |

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

|     | 0°   |
|-----|------|
| 0°  | 1011 |
| 5°  | 1006 |
| 10° | 1002 |
| 15° | 1085 |
| 20° | 1201 |
| 25° | 1361 |
| 30° | 1528 |
| 35° | 1626 |
| 40° | 1510 |
| 45° | 1225 |
| 50° | 844  |
| 55° | 462  |
| 60° | 327  |
| 65° | 299  |
| 70° | 279  |
| 75° | 310  |
| 80° | 320  |
| 85° | 354  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 1225 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.1    | 3.2       |
| 10°-20°   | 9.7    | 10.2      |
| 20°-30°   | 18.5   | 19.4      |
| 30°-40°   | 26.4   | 27.6      |
| 40°-50°   | 21.4   | 22.4      |
| 50°-60°   | 8.7    | 9.0       |
| 60°-70°   | 4.1    | 4.3       |
| 70°-80°   | 2.7    | 2.8       |
| 80°-90°   | 1.1    | 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°    | 31.4   | 32.8      |
| 0°-40°    | 57.7   | 60.4      |
| 0°-60°    | 87.8   | 91.8      |
| 0°-90°    | 95.6   | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 95.6   | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0° | Flux |
|-----|----|------|
| 0°  | 33 |      |
| 5°  | 32 | 3    |
| 15° | 34 | 10   |
| 25° | 40 | 19   |
| 35° | 43 | 26   |
| 45° | 28 | 21   |
| 55° | 9  | 9    |
| 65° | 4  | 4    |
| 75° | 3  | 3    |
| 85° | 1  | 1    |
| 90° | 0  |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°   |
|-------|------|
| 0°    | 32.8 |
| 2.5°  | 32.7 |
| 5°    | 32.5 |
| 7.5°  | 32.3 |
| 10°   | 32.0 |
| 12.5° | 32.8 |
| 15°   | 34.0 |
| 17.5° | 35.2 |
| 20°   | 36.6 |
| 22.5° | 38.2 |
| 25°   | 40.0 |
| 27.5° | 41.5 |
| 30°   | 42.9 |
| 32.5° | 44.1 |
| 35°   | 43.2 |
| 37.5° | 41.0 |
| 40°   | 37.5 |
| 42.5° | 33.2 |
| 45°   | 28.1 |
| 47.5° | 22.8 |
| 50°   | 17.6 |
| 52.5° | 12.6 |
| 55°   | 8.6  |
| 57.5° | 6.4  |
| 60°   | 5.3  |
| 62.5° | 4.6  |
| 65°   | 4.1  |
| 67.5° | 3.6  |
| 70°   | 3.1  |
| 72.5° | 2.8  |
| 75°   | 2.6  |
| 77.5° | 2.3  |
| 80°   | 1.8  |
| 82.5° | 1.7  |
| 85°   | 1.0  |
| 87.5° | 0.3  |
| 90°   | 0.0  |

(END OF REPORT)