

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: P1503889

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-OT (4000K-800LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-12)  
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-BRSS-XX-OT (4000K-800LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR  
LIGHT LEVEL 2 - 800 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

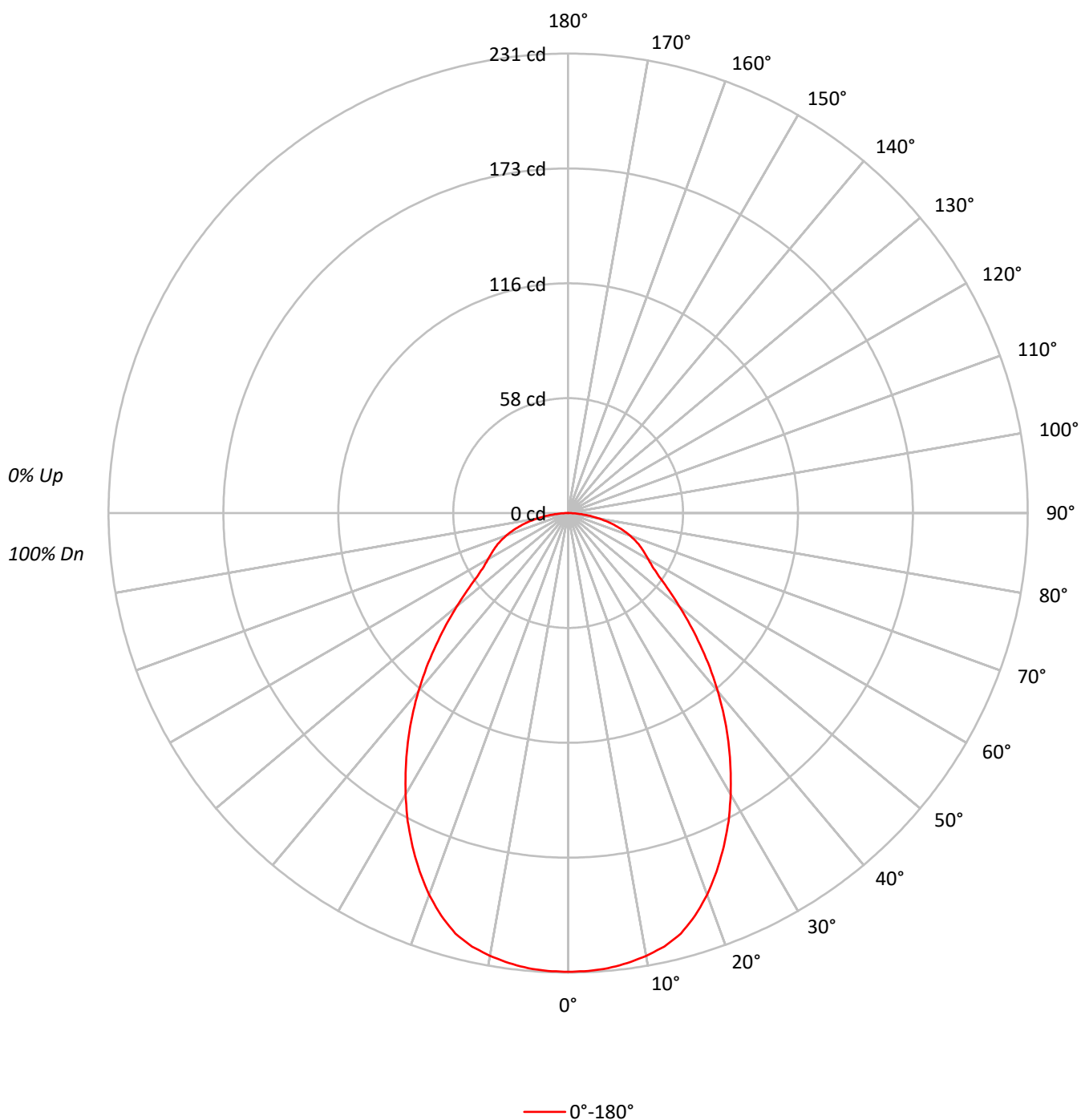
Lumens per Lamp: N/A  
Luminaire Lumens: 452.8 lumens  
Efficiency: N/A  
Efficacy: 51.5 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.14  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.8  
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   | 110 | 105 | 101 | 98  | 107 | 103 | 100 | 96  | 99  | 96  | 93  | 95  | 93  | 90  | 91  | 90  | 88  | 86  |  |  |
| 2   | 101 | 93  | 87  | 82  | 98  | 92  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 79  | 76  | 74  |  |  |
| 3   | 93  | 83  | 76  | 70  | 91  | 82  | 75  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 74  | 69  | 66  | 64  |  |  |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 60  | 71  | 65  | 59  | 69  | 63  | 59  | 67  | 62  | 58  | 56  |  |  |
| 5   | 80  | 68  | 60  | 53  | 78  | 67  | 59  | 53  | 65  | 58  | 53  | 63  | 57  | 52  | 61  | 56  | 52  | 50  |  |  |
| 6   | 74  | 62  | 54  | 48  | 72  | 61  | 53  | 47  | 59  | 52  | 47  | 58  | 51  | 47  | 56  | 51  | 46  | 44  |  |  |
| 7   | 69  | 57  | 48  | 43  | 68  | 56  | 48  | 43  | 54  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 40  |  |  |
| 8   | 65  | 52  | 44  | 39  | 63  | 51  | 44  | 39  | 50  | 43  | 38  | 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  | 42  | 36  | 32  | 30  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 7111 |
| 5°  | 7110 |
| 10° | 7077 |
| 15° | 6988 |
| 20° | 6701 |
| 25° | 6294 |
| 30° | 5815 |
| 35° | 5285 |
| 40° | 4714 |
| 45° | 4091 |
| 50° | 3497 |
| 55° | 3000 |
| 60° | 2868 |
| 65° | 2933 |
| 70° | 2975 |
| 75° | 2955 |
| 80° | 2788 |
| 85° | 2371 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 4091 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.8   | 4.8       |
| 10°-20°   | 61.3   | 13.5      |
| 20°-30°   | 84.9   | 18.7      |
| 30°-40°   | 87.6   | 19.3      |
| 40°-50°   | 72.6   | 16.0      |
| 50°-60°   | 51.3   | 11.3      |
| 60°-70°   | 39.6   | 8.8       |
| 70°-80°   | 26.0   | 5.7       |
| 80°-90°   | 7.7    | 1.7       |
| 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°    | 168.0  | 37.1      |
| 0°-40°    | 255.6  | 56.4      |
| 0°-60°    | 379.4  | 83.8      |
| 0°-90°    | 452.8  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 452.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 231 |      |
| 5°  | 230 | 22   |
| 15° | 219 | 61   |
| 25° | 185 | 85   |
| 35° | 140 | 88   |
| 45° | 94  | 73   |
| 55° | 56  | 51   |
| 65° | 40  | 40   |
| 75° | 25  | 26   |
| 85° | 7   | 8    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 230.6 |
| 2.5°  | 230.4 |
| 5°    | 229.7 |
| 7.5°  | 228.2 |
| 10°   | 226.0 |
| 12.5° | 223.2 |
| 15°   | 218.9 |
| 17.5° | 212.2 |
| 20°   | 204.2 |
| 22.5° | 195.0 |
| 25°   | 185.0 |
| 27.5° | 174.6 |
| 30°   | 163.3 |
| 32.5° | 151.9 |
| 35°   | 140.4 |
| 37.5° | 128.7 |
| 40°   | 117.1 |
| 42.5° | 105.4 |
| 45°   | 93.8  |
| 47.5° | 83.1  |
| 50°   | 72.9  |
| 52.5° | 63.9  |
| 55°   | 55.8  |
| 57.5° | 50.2  |
| 60°   | 46.5  |
| 62.5° | 43.3  |
| 65°   | 40.2  |
| 67.5° | 36.8  |
| 70°   | 33.0  |
| 72.5° | 29.1  |
| 75°   | 24.8  |
| 77.5° | 20.4  |
| 80°   | 15.7  |
| 82.5° | 11.2  |
| 85°   | 6.7   |
| 87.5° | 2.6   |
| 90°   | 0.0   |

(END OF REPORT)