

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: P1503665

Luminaire Tested: PRLX-SM4-02-LS-FS-D2W-XXXX-WHTE-XX (5000K-1000LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/28/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-SM4-02-LS-FS-D2W-XXXX-WHITE-XX (5000K-1000LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, RING, WHITE REFLECTOR  
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

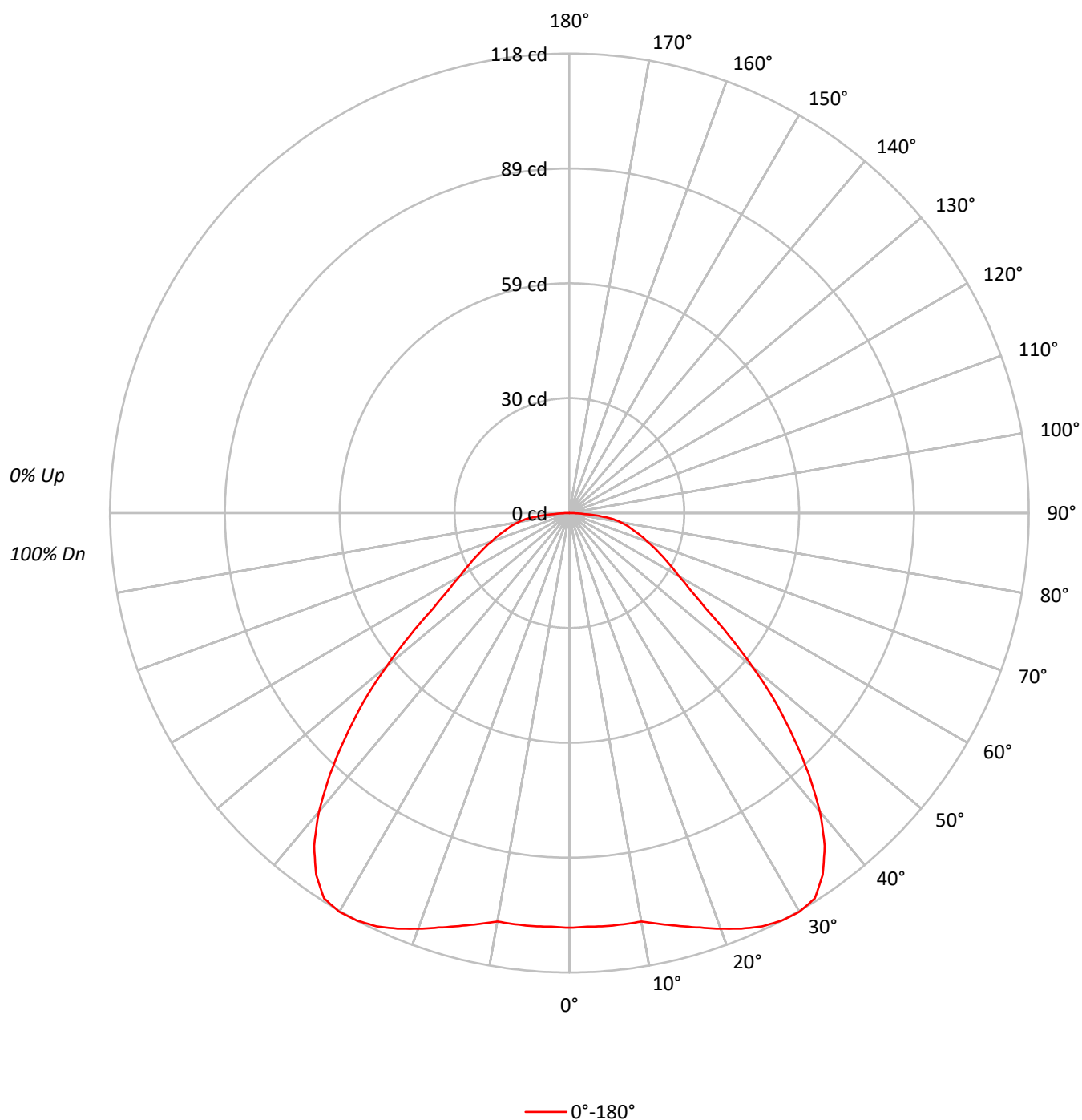
Lumens per Lamp: N/A  
Luminaire Lumens: 319.5 lumens  
Efficiency: N/A  
Efficacy: 27.8 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 1.54 / 1.45  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.5  
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  |     |     |    |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 |    |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |
| 1   | 109 | 105 | 101 | 97  | 107 | 102 | 99  | 95  | 98  | 95  | 92  | 94  | 92  | 90  | 91  | 89  | 87  | 85  |    |    |    |
| 2   | 100 | 92  | 86  | 80  | 98  | 90  | 84  | 79  | 87  | 82  | 78  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |    |    |    |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 75  | 69  | 65  | 72  | 68  | 64  | 62  |    |    |    |
| 4   | 84  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 53  |    |    |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 64  | 56  | 50  | 62  | 55  | 50  | 60  | 54  | 49  | 59  | 53  | 49  | 47  |    |    |    |
| 6   | 72  | 59  | 51  | 44  | 70  | 58  | 50  | 44  | 57  | 49  | 44  | 55  | 48  | 44  | 53  | 48  | 43  | 41  |    |    |    |
| 7   | 67  | 54  | 45  | 39  | 65  | 53  | 45  | 39  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 38  | 37  |    |    |    |
| 8   | 62  | 49  | 41  | 35  | 61  | 49  | 41  | 35  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 34  | 33  |    |    |    |
| 9   | 58  | 45  | 37  | 32  | 57  | 45  | 37  | 32  | 43  | 36  | 31  | 42  | 36  | 31  | 41  | 35  | 31  | 29  |    |    |    |
| 10  | 55  | 42  | 34  | 29  | 53  | 41  | 34  | 29  | 40  | 33  | 29  | 39  | 33  | 28  | 38  | 32  | 28  | 27  |    |    |    |

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

|     | 0°   |
|-----|------|
| 0°  | 3284 |
| 5°  | 3297 |
| 10° | 3335 |
| 15° | 3505 |
| 20° | 3728 |
| 25° | 3984 |
| 30° | 4209 |
| 35° | 4269 |
| 40° | 4029 |
| 45° | 3545 |
| 50° | 2946 |
| 55° | 2301 |
| 60° | 2011 |
| 65° | 1926 |
| 70° | 1920 |
| 75° | 2025 |
| 80° | 2362 |
| 85° | 2441 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 3545 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.2   | 3.2       |
| 10°-20°   | 31.3   | 9.8       |
| 20°-30°   | 54.0   | 16.9      |
| 30°-40°   | 70.1   | 21.9      |
| 40°-50°   | 62.5   | 19.6      |
| 50°-60°   | 39.7   | 12.4      |
| 60°-70°   | 26.3   | 8.2       |
| 70°-80°   | 18.2   | 5.7       |
| 80°-90°   | 7.2    | 2.3       |
| 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°    | 95.5   | 29.9      |
| 0°-40°    | 165.5  | 51.8      |
| 0°-60°    | 267.7  | 83.8      |
| 0°-90°    | 319.5  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 319.5  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 106 |      |
| 5°  | 106 | 10   |
| 15° | 110 | 31   |
| 25° | 117 | 54   |
| 35° | 113 | 70   |
| 45° | 81  | 62   |
| 55° | 43  | 40   |
| 65° | 26  | 26   |
| 75° | 17  | 18   |
| 85° | 7   | 7    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 106.5 |
| 2.5°  | 106.3 |
| 5°    | 106.5 |
| 7.5°  | 106.5 |
| 10°   | 106.5 |
| 12.5° | 108.1 |
| 15°   | 109.8 |
| 17.5° | 111.6 |
| 20°   | 113.6 |
| 22.5° | 115.5 |
| 25°   | 117.1 |
| 27.5° | 118.0 |
| 30°   | 118.2 |
| 32.5° | 117.3 |
| 35°   | 113.4 |
| 37.5° | 107.7 |
| 40°   | 100.1 |
| 42.5° | 91.0  |
| 45°   | 81.3  |
| 47.5° | 71.7  |
| 50°   | 61.4  |
| 52.5° | 51.6  |
| 55°   | 42.8  |
| 57.5° | 36.9  |
| 60°   | 32.6  |
| 62.5° | 29.3  |
| 65°   | 26.4  |
| 67.5° | 23.8  |
| 70°   | 21.3  |
| 72.5° | 19.2  |
| 75°   | 17.0  |
| 77.5° | 15.3  |
| 80°   | 13.3  |
| 82.5° | 11.0  |
| 85°   | 6.9   |
| 87.5° | 2.0   |
| 90°   | 0.0   |

(END OF REPORT)