

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: P1503925

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-WHTE-XX-OT (2700K-800LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503925  
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-WHITE-XX-OT (2700K-800LM)  
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR  
LIGHT LEVEL 2 - 800 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

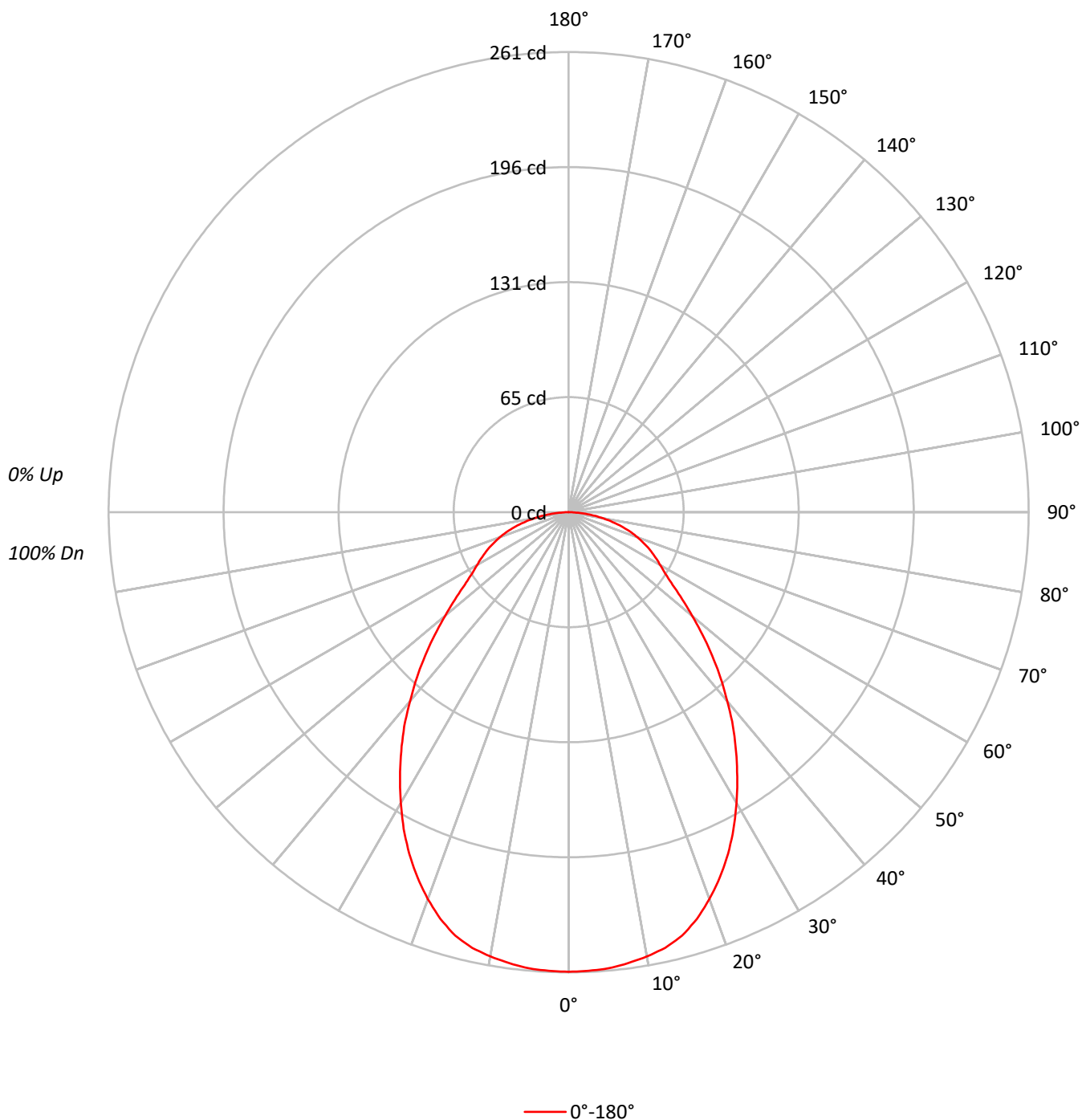
Lumens per Lamp: N/A  
Luminaire Lumens: 543.0 lumens  
Efficiency: N/A  
Efficacy: 61.7 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |     |  |  | 0 |
| 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 | 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°  | 8039 |
| 5°  | 8039 |
| 10° | 8013 |
| 15° | 7940 |
| 20° | 7662 |
| 25° | 7278 |
| 30° | 6783 |
| 35° | 6234 |
| 40° | 5636 |
| 45° | 5019 |
| 50° | 4385 |
| 55° | 3871 |
| 60° | 3700 |
| 65° | 3729 |
| 70° | 3742 |
| 75° | 3693 |
| 80° | 3481 |
| 85° | 3007 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 5019 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.7   | 4.5       |
| 10°-20°   | 69.7   | 12.8      |
| 20°-30°   | 98.1   | 18.1      |
| 30°-40°   | 103.4  | 19.0      |
| 40°-50°   | 88.8   | 16.4      |
| 50°-60°   | 65.7   | 12.1      |
| 60°-70°   | 50.4   | 9.3       |
| 70°-80°   | 32.5   | 6.0       |
| 80°-90°   | 9.7    | 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°    | 192.5  | 35.4      |
| 0°-40°    | 295.8  | 54.5      |
| 0°-60°    | 450.3  | 82.9      |
| 0°-90°    | 543.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 543.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 261 |      |
| 5°  | 260 | 25   |
| 15° | 249 | 70   |
| 25° | 214 | 98   |
| 35° | 166 | 103  |
| 45° | 115 | 89   |
| 55° | 72  | 66   |
| 65° | 51  | 50   |
| 75° | 31  | 33   |
| 85° | 8   | 10   |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 260.7 |
| 2.5°  | 260.4 |
| 5°    | 259.7 |
| 7.5°  | 258.0 |
| 10°   | 255.9 |
| 12.5° | 253.1 |
| 15°   | 248.7 |
| 17.5° | 241.9 |
| 20°   | 233.5 |
| 22.5° | 224.2 |
| 25°   | 213.9 |
| 27.5° | 202.6 |
| 30°   | 190.5 |
| 32.5° | 178.0 |
| 35°   | 165.6 |
| 37.5° | 153.2 |
| 40°   | 140.0 |
| 42.5° | 127.6 |
| 45°   | 115.1 |
| 47.5° | 103.1 |
| 50°   | 91.4  |
| 52.5° | 81.3  |
| 55°   | 72.0  |
| 57.5° | 65.0  |
| 60°   | 60.0  |
| 62.5° | 55.4  |
| 65°   | 51.1  |
| 67.5° | 46.3  |
| 70°   | 41.5  |
| 72.5° | 36.5  |
| 75°   | 31.0  |
| 77.5° | 25.3  |
| 80°   | 19.6  |
| 82.5° | 14.1  |
| 85°   | 8.5   |
| 87.5° | 3.3   |
| 90°   | 0.0   |

(END OF REPORT)