

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: P1503940

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-ND (2700K-900LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1503940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/28/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-SM6-03-LS-FS-010-XXXX-BRNZ-XX-ND (2700K-900LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR  
LIGHT LEVEL 2 - 900 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

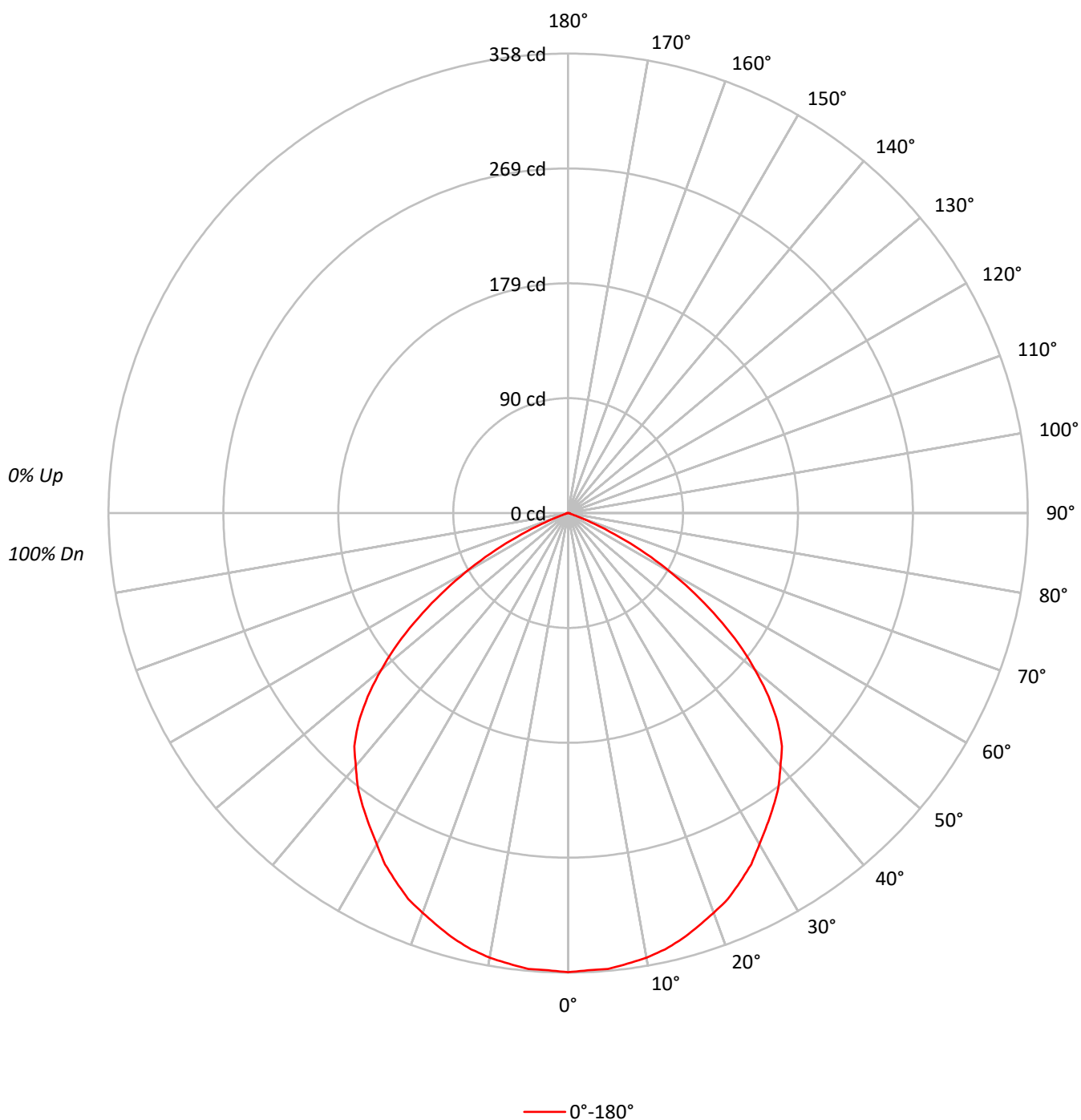
Lumens per Lamp: N/A  
Luminaire Lumens: 802.3 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.6  
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 | 0 |  |  |  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |   |  |  |  |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  | 97  | 95  | 94  | 94  | 92  | 91  | 89  |    |    |   |  |  |  |
| 2   | 103 | 96  | 91  | 86  | 101 | 94  | 89  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 78  |    |    |   |  |  |  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 69  | 68  |    |    |   |  |  |  |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 63  | 74  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 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  | 41  | 35  | 60  | 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  | 41  | 36  | 32  | 30  |    |    |   |  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 3602 |
| 5°  | 3603 |
| 10° | 3596 |
| 15° | 3580 |
| 20° | 3551 |
| 25° | 3522 |
| 30° | 3464 |
| 35° | 3427 |
| 40° | 3381 |
| 45° | 3288 |
| 50° | 2979 |
| 55° | 2500 |
| 60° | 1855 |
| 65° | 1055 |
| 70° | 212  |
| 75° | 47   |
| 80° | 70   |
| 85° | 139  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 3288 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.8   | 4.2       |
| 10°-20°   | 96.8   | 12.1      |
| 20°-30°   | 146.0  | 18.2      |
| 30°-40°   | 174.4  | 21.7      |
| 40°-50°   | 176.0  | 21.9      |
| 50°-60°   | 126.6  | 15.8      |
| 60°-70°   | 45.3   | 5.6       |
| 70°-80°   | 2.4    | 0.3       |
| 80°-90°   | 0.8    | 0.1       |
| 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°    | 276.7  | 34.5      |
| 0°-40°    | 451.1  | 56.2      |
| 0°-60°    | 753.8  | 94.0      |
| 0°-90°    | 802.3  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 802.3  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 358 |      |
| 5°  | 356 | 34   |
| 15° | 343 | 97   |
| 25° | 317 | 146  |
| 35° | 279 | 174  |
| 45° | 231 | 176  |
| 55° | 142 | 127  |
| 65° | 44  | 45   |
| 75° | 1   | 2    |
| 85° | 1   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 357.7 |
| 2.5°  | 356.5 |
| 5°    | 356.5 |
| 7.5°  | 354.1 |
| 10°   | 351.7 |
| 12.5° | 348.2 |
| 15°   | 343.4 |
| 17.5° | 337.4 |
| 20°   | 331.4 |
| 22.5° | 325.4 |
| 25°   | 317.0 |
| 27.5° | 308.7 |
| 30°   | 297.9 |
| 32.5° | 288.3 |
| 35°   | 278.8 |
| 37.5° | 269.2 |
| 40°   | 257.2 |
| 42.5° | 246.5 |
| 45°   | 230.9 |
| 47.5° | 211.8 |
| 50°   | 190.2 |
| 52.5° | 167.5 |
| 55°   | 142.4 |
| 57.5° | 117.2 |
| 60°   | 92.1  |
| 62.5° | 68.2  |
| 65°   | 44.3  |
| 67.5° | 22.7  |
| 70°   | 7.2   |
| 72.5° | 2.4   |
| 75°   | 1.2   |
| 77.5° | 1.2   |
| 80°   | 1.2   |
| 82.5° | 1.2   |
| 85°   | 1.2   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)