

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: P1504030

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

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-16)  
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-WHTE-XX-ND (2700K-900LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, WHITE REFLECTOR  
LIGHT LEVEL 2 - 900 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

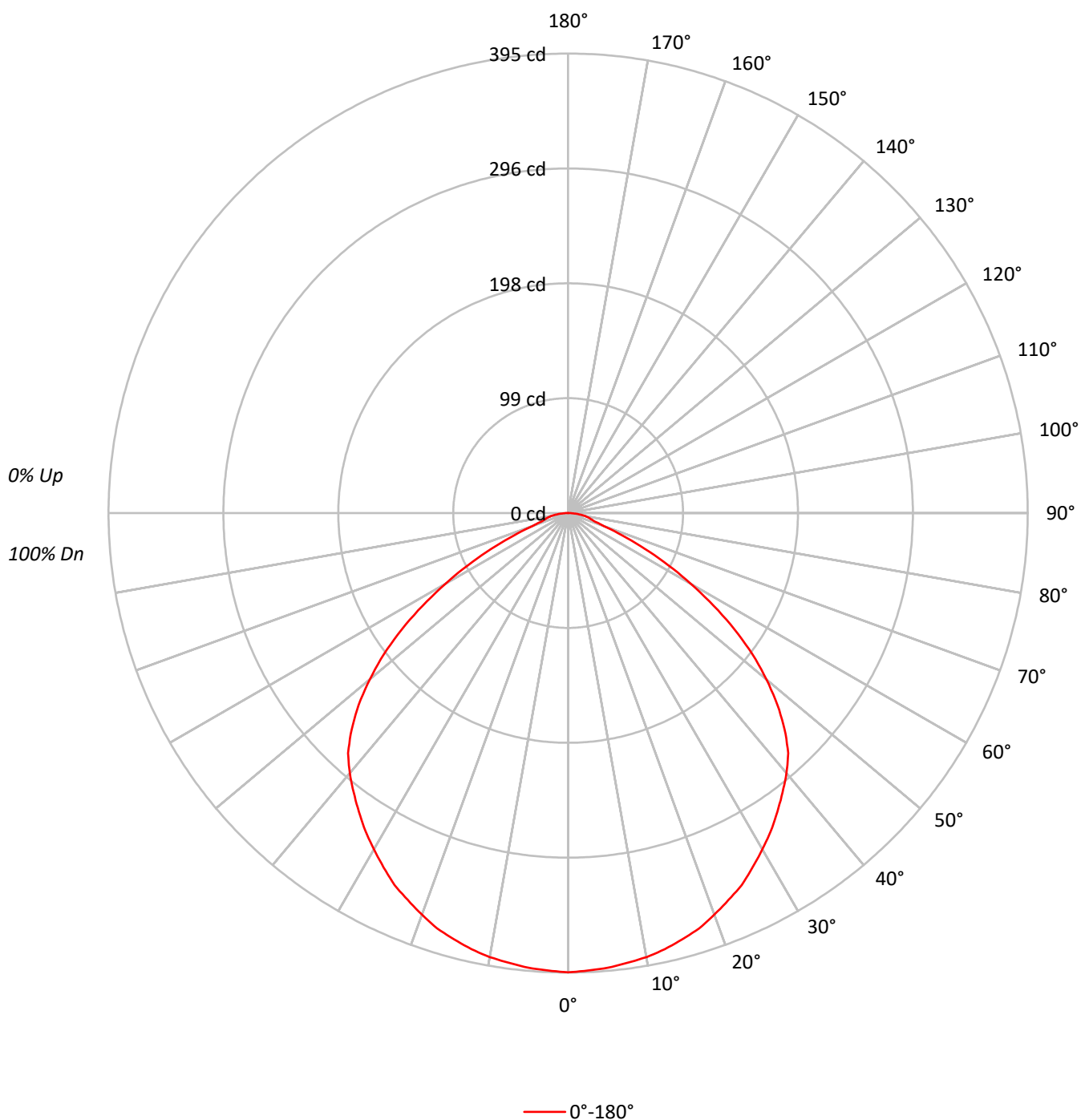
Lumens per Lamp: N/A  
Luminaire Lumens: 962.8 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1504030

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (2700K-900LM)

### Luminous Intensity Polar Plot





TEST NUMBER: P1504030

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (2700K-900LM)

### 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 | 106 | 103 | 99  | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 93  | 91  | 89  | 87  |  |  |
| 2   | 102 | 94  | 88  | 83  | 99  | 93  | 87  | 82  | 89  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 77  | 75  |  |  |
| 3   | 93  | 84  | 77  | 71  | 91  | 82  | 76  | 70  | 79  | 74  | 69  | 77  | 72  | 68  | 74  | 70  | 67  | 65  |  |  |
| 4   | 86  | 75  | 67  | 61  | 84  | 74  | 66  | 60  | 71  | 65  | 60  | 69  | 63  | 59  | 67  | 62  | 58  | 56  |  |  |
| 5   | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 49  |  |  |
| 6   | 73  | 61  | 52  | 46  | 72  | 60  | 52  | 46  | 58  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 43  |  |  |
| 7   | 68  | 55  | 47  | 41  | 66  | 55  | 47  | 41  | 53  | 46  | 41  | 52  | 45  | 40  | 50  | 45  | 40  | 38  |  |  |
| 8   | 63  | 51  | 42  | 37  | 62  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 36  | 46  | 40  | 36  | 34  |  |  |
| 9   | 59  | 46  | 39  | 33  | 58  | 46  | 38  | 33  | 45  | 38  | 33  | 44  | 37  | 33  | 43  | 37  | 33  | 31  |  |  |
| 10  | 56  | 43  | 35  | 30  | 54  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 40  | 34  | 30  | 28  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 3975 |
| 5°  | 3966 |
| 10° | 3963 |
| 15° | 3954 |
| 20° | 3936 |
| 25° | 3921 |
| 30° | 3881 |
| 35° | 3854 |
| 40° | 3837 |
| 45° | 3748 |
| 50° | 3485 |
| 55° | 3067 |
| 60° | 2457 |
| 65° | 1739 |
| 70° | 951  |
| 75° | 790  |
| 80° | 835  |
| 85° | 832  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 3748 cd/sqm

TEST NUMBER: P1504030

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (2700K-900LM)

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.3   | 3.9       |
| 10°-20°   | 107.1  | 11.1      |
| 20°-30°   | 162.4  | 16.9      |
| 30°-40°   | 196.3  | 20.4      |
| 40°-50°   | 201.5  | 20.9      |
| 50°-60°   | 155.0  | 16.1      |
| 60°-70°   | 73.2   | 7.6       |
| 70°-80°   | 22.5   | 2.3       |
| 80°-90°   | 7.5    | 0.8       |
| 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°    | 306.7  | 31.9      |
| 0°-40°    | 503.0  | 52.2      |
| 0°-60°    | 859.6  | 89.3      |
| 0°-90°    | 962.8  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 962.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 395 |      |
| 5°  | 392 | 37   |
| 15° | 379 | 107  |
| 25° | 353 | 162  |
| 35° | 314 | 196  |
| 45° | 263 | 201  |
| 55° | 175 | 155  |
| 65° | 73  | 73   |
| 75° | 20  | 23   |
| 85° | 7   | 8    |
| 90° | 0   |      |

TEST NUMBER: P1504030

CATALOG NUMBER: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-ND (2700K-900LM)

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 394.8 |
| 2.5°  | 393.6 |
| 5°    | 392.4 |
| 7.5°  | 390.0 |
| 10°   | 387.6 |
| 12.5° | 384.0 |
| 15°   | 379.3 |
| 17.5° | 374.5 |
| 20°   | 367.3 |
| 22.5° | 360.1 |
| 25°   | 352.9 |
| 27.5° | 343.4 |
| 30°   | 333.8 |
| 32.5° | 324.2 |
| 35°   | 313.5 |
| 37.5° | 302.7 |
| 40°   | 291.9 |
| 42.5° | 280.0 |
| 45°   | 263.2 |
| 47.5° | 244.1 |
| 50°   | 222.5 |
| 52.5° | 199.8 |
| 55°   | 174.7 |
| 57.5° | 148.4 |
| 60°   | 122.0 |
| 62.5° | 96.9  |
| 65°   | 73.0  |
| 67.5° | 50.2  |
| 70°   | 32.3  |
| 72.5° | 23.9  |
| 75°   | 20.3  |
| 77.5° | 17.9  |
| 80°   | 14.4  |
| 82.5° | 10.8  |
| 85°   | 7.2   |
| 87.5° | 2.4   |
| 90°   | 0.0   |

(END OF REPORT)