

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: P1504184

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3500K-1200LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/28/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PrentaLux  
Catalog Number: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3500K-1200LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR  
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 3500K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

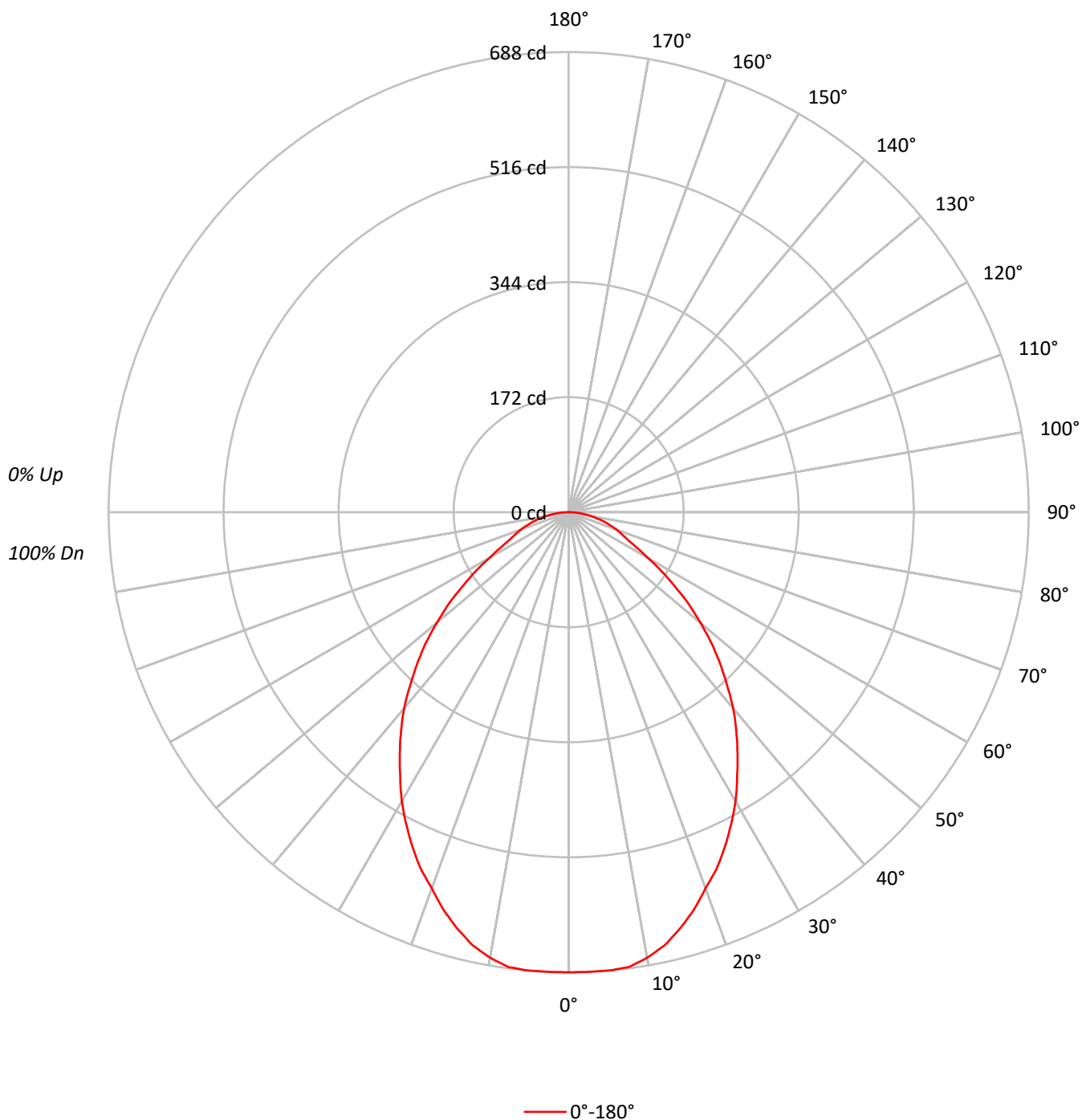
Lumens per Lamp: N/A  
Luminaire Lumens: 1372.0 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.1  
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: P1504184

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3500K-1200LM)

### Luminous Intensity Polar Plot





TEST NUMBER: P1504184

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3500K-1200LM)

### 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 | 102 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 94  | 91  | 92  | 90  | 89  | 87  |  |  |
| 2   | 102 | 94  | 88  | 83  | 99  | 92  | 87  | 82  | 89  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 77  | 75  |  |  |
| 3   | 94  | 84  | 77  | 71  | 91  | 83  | 76  | 71  | 80  | 74  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 65  |  |  |
| 4   | 87  | 76  | 68  | 62  | 84  | 74  | 67  | 61  | 72  | 66  | 61  | 70  | 64  | 60  | 68  | 63  | 59  | 57  |  |  |
| 5   | 80  | 69  | 60  | 54  | 78  | 67  | 60  | 54  | 65  | 59  | 53  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |  |  |
| 6   | 75  | 62  | 54  | 48  | 73  | 61  | 54  | 48  | 60  | 53  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 45  |  |  |
| 7   | 70  | 57  | 49  | 43  | 68  | 56  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 42  | 40  |  |  |
| 8   | 65  | 52  | 45  | 39  | 64  | 52  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 38  | 37  |  |  |
| 9   | 61  | 48  | 41  | 36  | 60  | 48  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |  |  |
| 10  | 57  | 45  | 38  | 33  | 56  | 44  | 37  | 32  | 43  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 6926 |
| 5°  | 6953 |
| 10° | 6917 |
| 15° | 6714 |
| 20° | 6412 |
| 25° | 6139 |
| 30° | 5805 |
| 35° | 5411 |
| 40° | 5034 |
| 45° | 4558 |
| 50° | 4030 |
| 55° | 3413 |
| 60° | 2763 |
| 65° | 2316 |
| 70° | 2243 |
| 75° | 2151 |
| 80° | 1989 |
| 85° | 1756 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 4558 cd/sqm

TEST NUMBER: P1504184

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3500K-1200LM)

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 65.4   | 4.8       |
| 10°-20°   | 180.8  | 13.2      |
| 20°-30°   | 253.8  | 18.5      |
| 30°-40°   | 275.3  | 20.1      |
| 40°-50°   | 246.6  | 18.0      |
| 50°-60°   | 174.9  | 12.7      |
| 60°-70°   | 99.9   | 7.3       |
| 70°-80°   | 57.8   | 4.2       |
| 80°-90°   | 17.6   | 1.3       |
| 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°    | 500.0  | 36.4      |
| 0°-40°    | 775.2  | 56.5      |
| 0°-60°    | 1196.7 | 87.2      |
| 0°-90°    | 1372.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1372.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 688 |      |
| 5°  | 688 | 65   |
| 15° | 644 | 181  |
| 25° | 553 | 254  |
| 35° | 440 | 275  |
| 45° | 320 | 247  |
| 55° | 194 | 175  |
| 65° | 97  | 100  |
| 75° | 55  | 58   |
| 85° | 15  | 18   |
| 90° | 0   |      |

TEST NUMBER: P1504184

CATALOG NUMBER: PRLX-SM6-03-LS-FS-D2W-XXXX-WHTE-XX-OC (3500K-1200LM)

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 687.9 |
| 2.5°  | 687.9 |
| 5°    | 687.9 |
| 7.5°  | 686.0 |
| 10°   | 676.5 |
| 12.5° | 663.2 |
| 15°   | 644.1 |
| 17.5° | 623.1 |
| 20°   | 598.4 |
| 22.5° | 577.4 |
| 25°   | 552.6 |
| 27.5° | 526.0 |
| 30°   | 499.3 |
| 32.5° | 468.8 |
| 35°   | 440.2 |
| 37.5° | 411.6 |
| 40°   | 383.0 |
| 42.5° | 350.6 |
| 45°   | 320.1 |
| 47.5° | 289.7 |
| 50°   | 257.3 |
| 52.5° | 226.8 |
| 55°   | 194.4 |
| 57.5° | 165.8 |
| 60°   | 137.2 |
| 62.5° | 114.3 |
| 65°   | 97.2  |
| 67.5° | 85.8  |
| 70°   | 76.2  |
| 72.5° | 64.8  |
| 75°   | 55.3  |
| 77.5° | 43.8  |
| 80°   | 34.3  |
| 82.5° | 24.8  |
| 85°   | 15.2  |
| 87.5° | 7.6   |
| 90°   | 0.0   |

(END OF REPORT)