

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: P1504134

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OC (2700K-750LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-24)  
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-BRSS-XX-OC (2700K-750LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, BRASS REFLECTOR  
LIGHT LEVEL 1 - 750 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

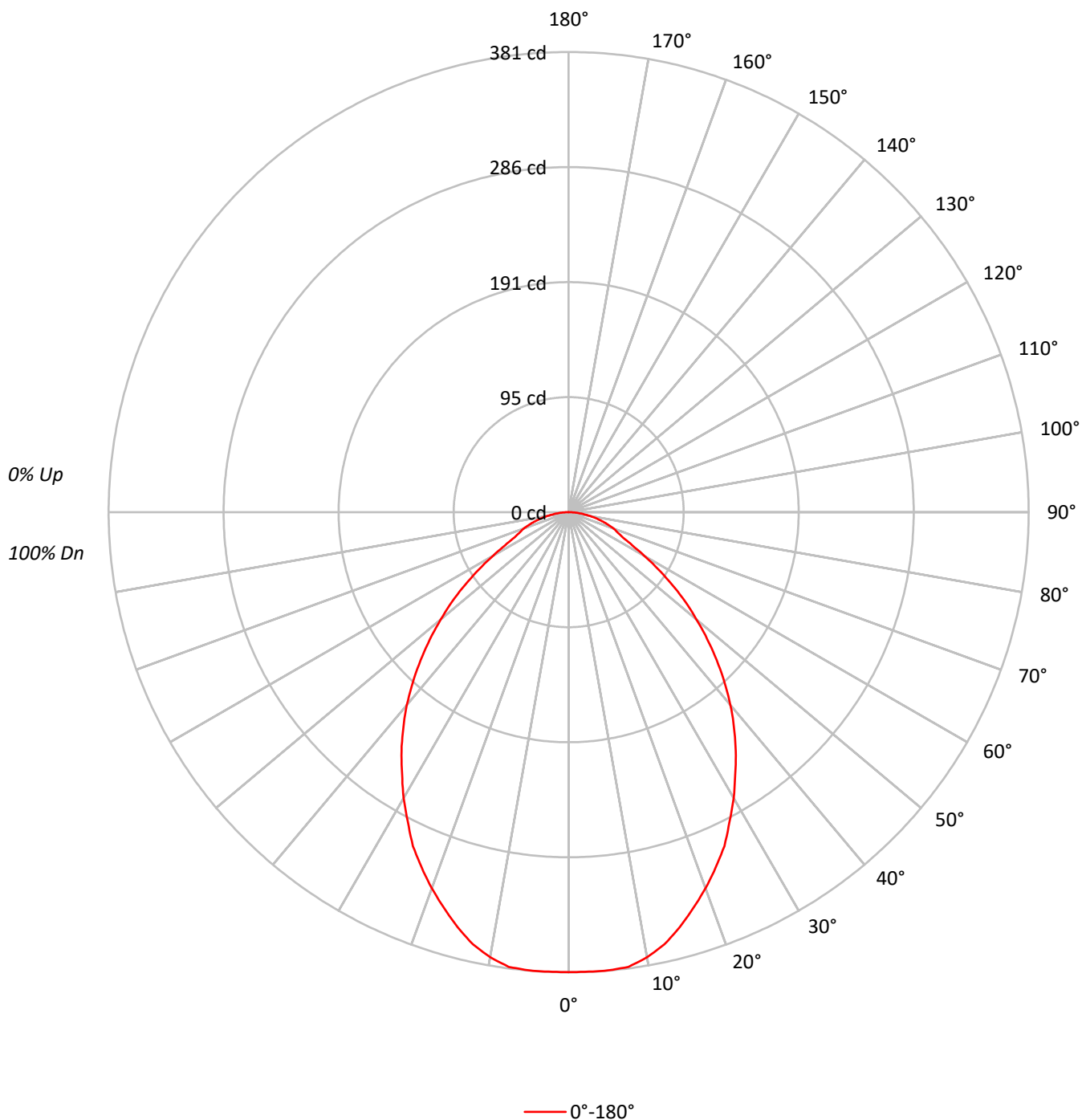
Lumens per Lamp: N/A  
Luminaire Lumens: 743.7 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.18  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.9  
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  |     |  |  |
| 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  | 92  | 91  | 89  | 87  |  |  |
| 2   | 102 | 95  | 89  | 84  | 99  | 93  | 87  | 83  | 89  | 85  | 81  | 86  | 82  | 79  | 83  | 80  | 77  | 75  |  |  |
| 3   | 94  | 85  | 77  | 72  | 92  | 83  | 76  | 71  | 80  | 75  | 70  | 78  | 73  | 69  | 75  | 71  | 68  | 66  |  |  |
| 4   | 87  | 76  | 68  | 62  | 85  | 75  | 68  | 62  | 72  | 66  | 61  | 70  | 65  | 60  | 68  | 63  | 60  | 58  |  |  |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 60  | 55  | 66  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 51  |  |  |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 54  | 49  | 60  | 53  | 48  | 59  | 52  | 48  | 57  | 52  | 47  | 45  |  |  |
| 7   | 70  | 57  | 49  | 44  | 68  | 57  | 49  | 44  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 41  |  |  |
| 8   | 65  | 53  | 45  | 40  | 64  | 52  | 45  | 39  | 51  | 44  | 39  | 50  | 44  | 39  | 49  | 43  | 39  | 37  |  |  |
| 9   | 61  | 49  | 41  | 36  | 60  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 36  | 45  | 40  | 35  | 34  |  |  |
| 10  | 58  | 45  | 38  | 33  | 56  | 45  | 38  | 33  | 44  | 37  | 33  | 43  | 37  | 33  | 42  | 37  | 33  | 31  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 3834 |
| 5°  | 3849 |
| 10° | 3826 |
| 15° | 3707 |
| 20° | 3551 |
| 25° | 3390 |
| 30° | 3178 |
| 35° | 2967 |
| 40° | 2741 |
| 45° | 2469 |
| 50° | 2166 |
| 55° | 1831 |
| 60° | 1458 |
| 65° | 1177 |
| 70° | 1163 |
| 75° | 1109 |
| 80° | 1021 |
| 85° | 890  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 2469 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.2   | 4.9       |
| 10°-20°   | 99.9   | 13.4      |
| 20°-30°   | 139.7  | 18.8      |
| 30°-40°   | 150.6  | 20.3      |
| 40°-50°   | 133.5  | 18.0      |
| 50°-60°   | 93.5   | 12.6      |
| 60°-70°   | 51.5   | 6.9       |
| 70°-80°   | 30.1   | 4.0       |
| 80°-90°   | 8.7    | 1.2       |
| 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°    | 275.8  | 37.1      |
| 0°-40°    | 426.4  | 57.3      |
| 0°-60°    | 653.4  | 87.9      |
| 0°-90°    | 743.7  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 743.7  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 381 |      |
| 5°  | 381 | 36   |
| 15° | 356 | 100  |
| 25° | 305 | 140  |
| 35° | 241 | 151  |
| 45° | 173 | 134  |
| 55° | 104 | 93   |
| 65° | 49  | 52   |
| 75° | 28  | 30   |
| 85° | 8   | 9    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 380.8 |
| 2.5°  | 380.8 |
| 5°    | 380.8 |
| 7.5°  | 379.7 |
| 10°   | 374.2 |
| 12.5° | 366.5 |
| 15°   | 355.6 |
| 17.5° | 343.5 |
| 20°   | 331.4 |
| 22.5° | 318.3 |
| 25°   | 305.1 |
| 27.5° | 288.6 |
| 30°   | 273.3 |
| 32.5° | 256.8 |
| 35°   | 241.4 |
| 37.5° | 225.0 |
| 40°   | 208.5 |
| 42.5° | 191.0 |
| 45°   | 173.4 |
| 47.5° | 155.8 |
| 50°   | 138.3 |
| 52.5° | 121.8 |
| 55°   | 104.3 |
| 57.5° | 87.8  |
| 60°   | 72.4  |
| 62.5° | 59.3  |
| 65°   | 49.4  |
| 67.5° | 43.9  |
| 70°   | 39.5  |
| 72.5° | 34.0  |
| 75°   | 28.5  |
| 77.5° | 23.0  |
| 80°   | 17.6  |
| 82.5° | 12.1  |
| 85°   | 7.7   |
| 87.5° | 3.3   |
| 90°   | 0.0   |

(END OF REPORT)