

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: P1504057

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OC (5000K-900LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504057  
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-010-XXXX-WHTE-XX-OC (5000K-900LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN CYLINDER, WHITE REFLECTOR  
LIGHT LEVEL 2 - 900 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

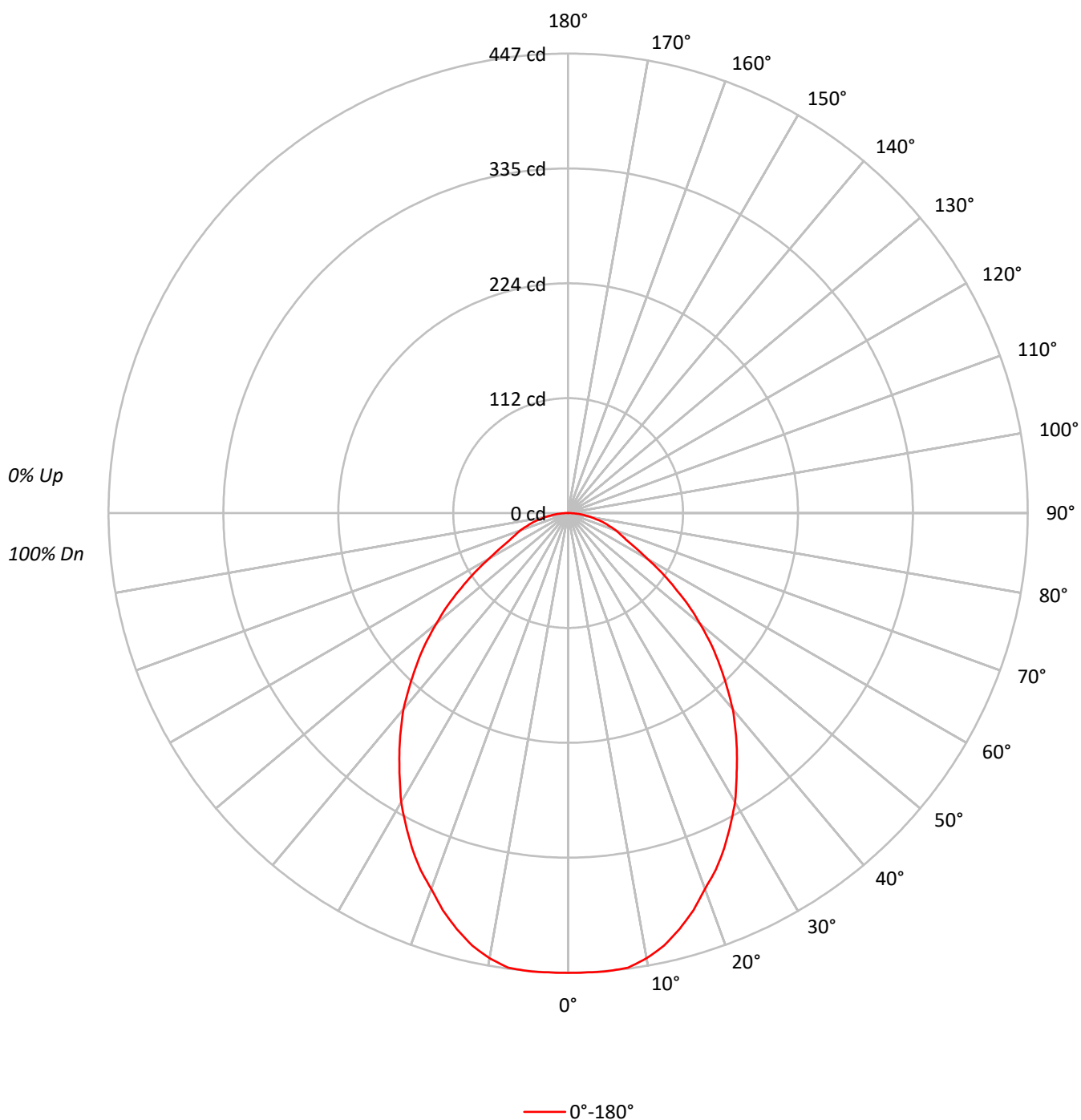
Lumens per Lamp: N/A  
Luminaire Lumens: 892.0 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.19  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.4  
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 | 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°  | 4504 |
| 5°  | 4521 |
| 10° | 4497 |
| 15° | 4366 |
| 20° | 4168 |
| 25° | 3992 |
| 30° | 3774 |
| 35° | 3518 |
| 40° | 3273 |
| 45° | 2963 |
| 50° | 2621 |
| 55° | 2219 |
| 60° | 1796 |
| 65° | 1506 |
| 70° | 1460 |
| 75° | 1397 |
| 80° | 1293 |
| 85° | 1144 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 2963 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.5   | 4.8       |
| 10°-20°   | 117.6  | 13.2      |
| 20°-30°   | 165.0  | 18.5      |
| 30°-40°   | 179.0  | 20.1      |
| 40°-50°   | 160.3  | 18.0      |
| 50°-60°   | 113.7  | 12.7      |
| 60°-70°   | 64.9   | 7.3       |
| 70°-80°   | 37.6   | 4.2       |
| 80°-90°   | 11.5   | 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°    | 325.0  | 36.4      |
| 0°-40°    | 504.0  | 56.5      |
| 0°-60°    | 778.0  | 87.2      |
| 0°-90°    | 892.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 892.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 447 |      |
| 5°  | 447 | 42   |
| 15° | 419 | 118  |
| 25° | 359 | 165  |
| 35° | 286 | 179  |
| 45° | 208 | 160  |
| 55° | 126 | 114  |
| 65° | 63  | 65   |
| 75° | 36  | 38   |
| 85° | 10  | 11   |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 447.3 |
| 2.5°  | 447.3 |
| 5°    | 447.3 |
| 7.5°  | 446.0 |
| 10°   | 439.8 |
| 12.5° | 431.1 |
| 15°   | 418.8 |
| 17.5° | 405.1 |
| 20°   | 389.0 |
| 22.5° | 375.4 |
| 25°   | 359.3 |
| 27.5° | 341.9 |
| 30°   | 324.6 |
| 32.5° | 304.8 |
| 35°   | 286.2 |
| 37.5° | 267.6 |
| 40°   | 249.0 |
| 42.5° | 228.0 |
| 45°   | 208.1 |
| 47.5° | 188.3 |
| 50°   | 167.3 |
| 52.5° | 147.4 |
| 55°   | 126.4 |
| 57.5° | 107.8 |
| 60°   | 89.2  |
| 62.5° | 74.3  |
| 65°   | 63.2  |
| 67.5° | 55.8  |
| 70°   | 49.6  |
| 72.5° | 42.1  |
| 75°   | 35.9  |
| 77.5° | 28.5  |
| 80°   | 22.3  |
| 82.5° | 16.1  |
| 85°   | 9.9   |
| 87.5° | 5.0   |
| 90°   | 0.0   |

(END OF REPORT)