

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: P1504123

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-ND (3000K-900LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-18)  
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-ND (3000K-900LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR  
LIGHT LEVEL 2 - 900 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

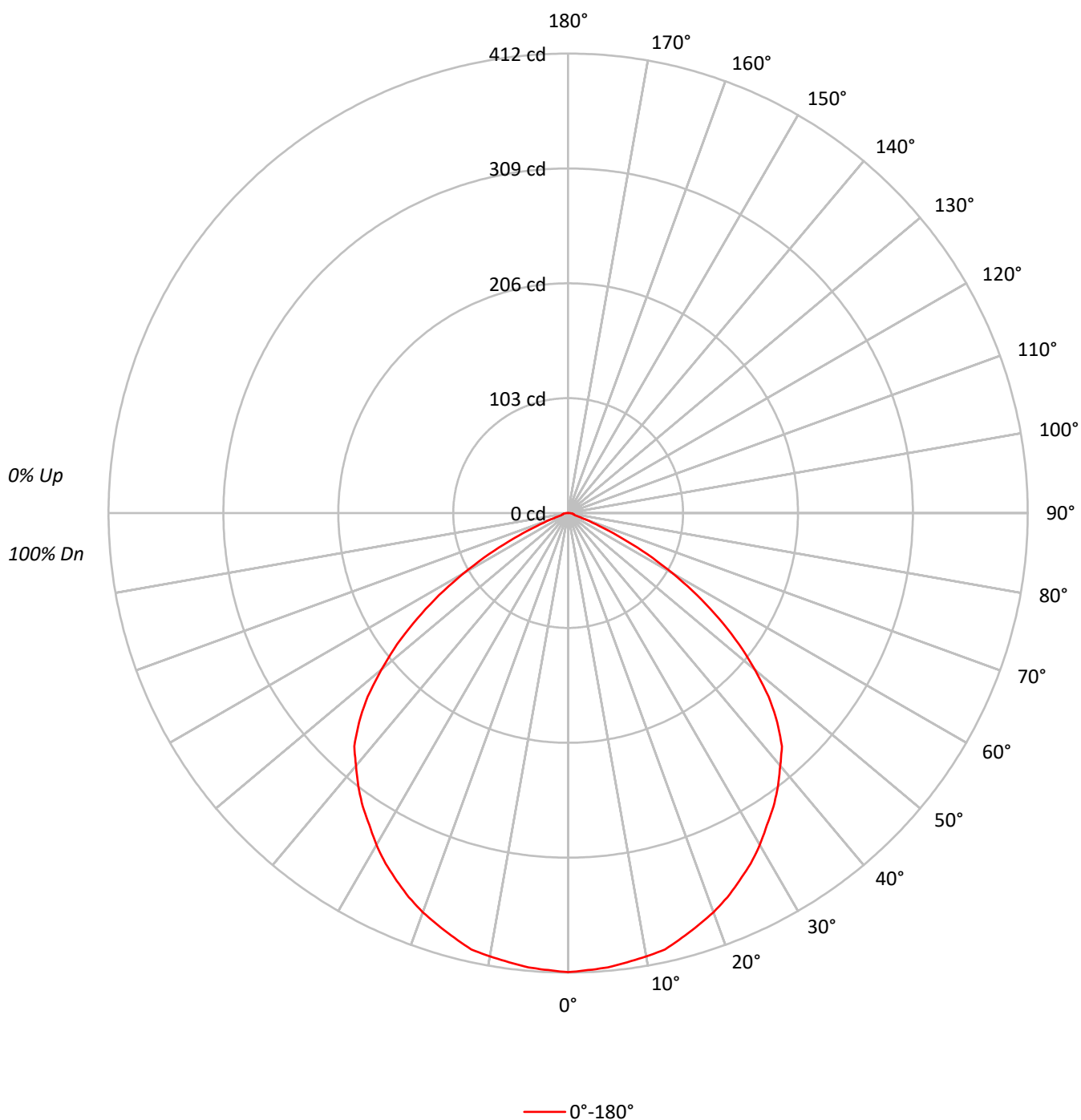
Lumens per Lamp: N/A  
Luminaire Lumens: 932.2 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.6  
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  |     |  |  |
| 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   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |  |  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  | 87  | 84  | 81  | 85  | 82  | 79  | 77  |  |  |
| 3   | 95  | 86  | 79  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  |  |  |
| 4   | 87  | 77  | 69  | 63  | 85  | 76  | 68  | 63  | 73  | 67  | 62  | 71  | 66  | 61  | 69  | 64  | 60  | 58  |  |  |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 61  | 55  | 66  | 60  | 54  | 64  | 58  | 54  | 63  | 57  | 53  | 51  |  |  |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 54  | 49  | 60  | 53  | 48  | 58  | 52  | 48  | 57  | 52  | 47  | 45  |  |  |
| 7   | 70  | 57  | 49  | 43  | 68  | 56  | 49  | 43  | 55  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 42  | 40  |  |  |
| 8   | 65  | 52  | 44  | 39  | 63  | 52  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 38  | 48  | 42  | 38  | 36  |  |  |
| 9   | 61  | 48  | 40  | 35  | 59  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |  |  |
| 10  | 57  | 44  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 36  | 32  | 42  | 36  | 32  | 41  | 36  | 31  | 30  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 4144 |
| 5°  | 4133 |
| 10° | 4127 |
| 15° | 4109 |
| 20° | 4081 |
| 25° | 4040 |
| 30° | 3995 |
| 35° | 3946 |
| 40° | 3887 |
| 45° | 3774 |
| 50° | 3421 |
| 55° | 2900 |
| 60° | 2173 |
| 65° | 1270 |
| 70° | 392  |
| 75° | 206  |
| 80° | 232  |
| 85° | 312  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 3774 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.8   | 4.2       |
| 10°-20°   | 111.3  | 11.9      |
| 20°-30°   | 167.6  | 18.0      |
| 30°-40°   | 200.6  | 21.5      |
| 40°-50°   | 202.4  | 21.7      |
| 50°-60°   | 146.8  | 15.7      |
| 60°-70°   | 55.1   | 5.9       |
| 70°-80°   | 6.8    | 0.7       |
| 80°-90°   | 2.7    | 0.3       |
| 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°    | 317.7  | 34.1      |
| 0°-40°    | 518.4  | 55.6      |
| 0°-60°    | 867.5  | 93.1      |
| 0°-90°    | 932.2  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 932.2  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 412 |      |
| 5°  | 409 | 39   |
| 15° | 394 | 111  |
| 25° | 364 | 168  |
| 35° | 321 | 201  |
| 45° | 265 | 202  |
| 55° | 165 | 147  |
| 65° | 53  | 55   |
| 75° | 5   | 7    |
| 85° | 3   | 3    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 411.6 |
| 2.5°  | 410.2 |
| 5°    | 408.9 |
| 7.5°  | 406.2 |
| 10°   | 403.6 |
| 12.5° | 400.9 |
| 15°   | 394.2 |
| 17.5° | 387.6 |
| 20°   | 380.9 |
| 22.5° | 372.9 |
| 25°   | 363.6 |
| 27.5° | 354.3 |
| 30°   | 343.6 |
| 32.5° | 331.6 |
| 35°   | 321.0 |
| 37.5° | 309.0 |
| 40°   | 295.7 |
| 42.5° | 283.7 |
| 45°   | 265.0 |
| 47.5° | 243.7 |
| 50°   | 218.4 |
| 52.5° | 193.1 |
| 55°   | 165.2 |
| 57.5° | 137.2 |
| 60°   | 107.9 |
| 62.5° | 79.9  |
| 65°   | 53.3  |
| 67.5° | 30.6  |
| 70°   | 13.3  |
| 72.5° | 6.7   |
| 75°   | 5.3   |
| 77.5° | 5.3   |
| 80°   | 4.0   |
| 82.5° | 4.0   |
| 85°   | 2.7   |
| 87.5° | 1.3   |
| 90°   | 0.0   |

(END OF REPORT)