

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: P1504076

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRNZ-XX-ND (3000K-1200LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-17)  
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-BRNZ-XX-ND (3000K-1200LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, NO DIFFUSER, BRONZE REFLECTOR  
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

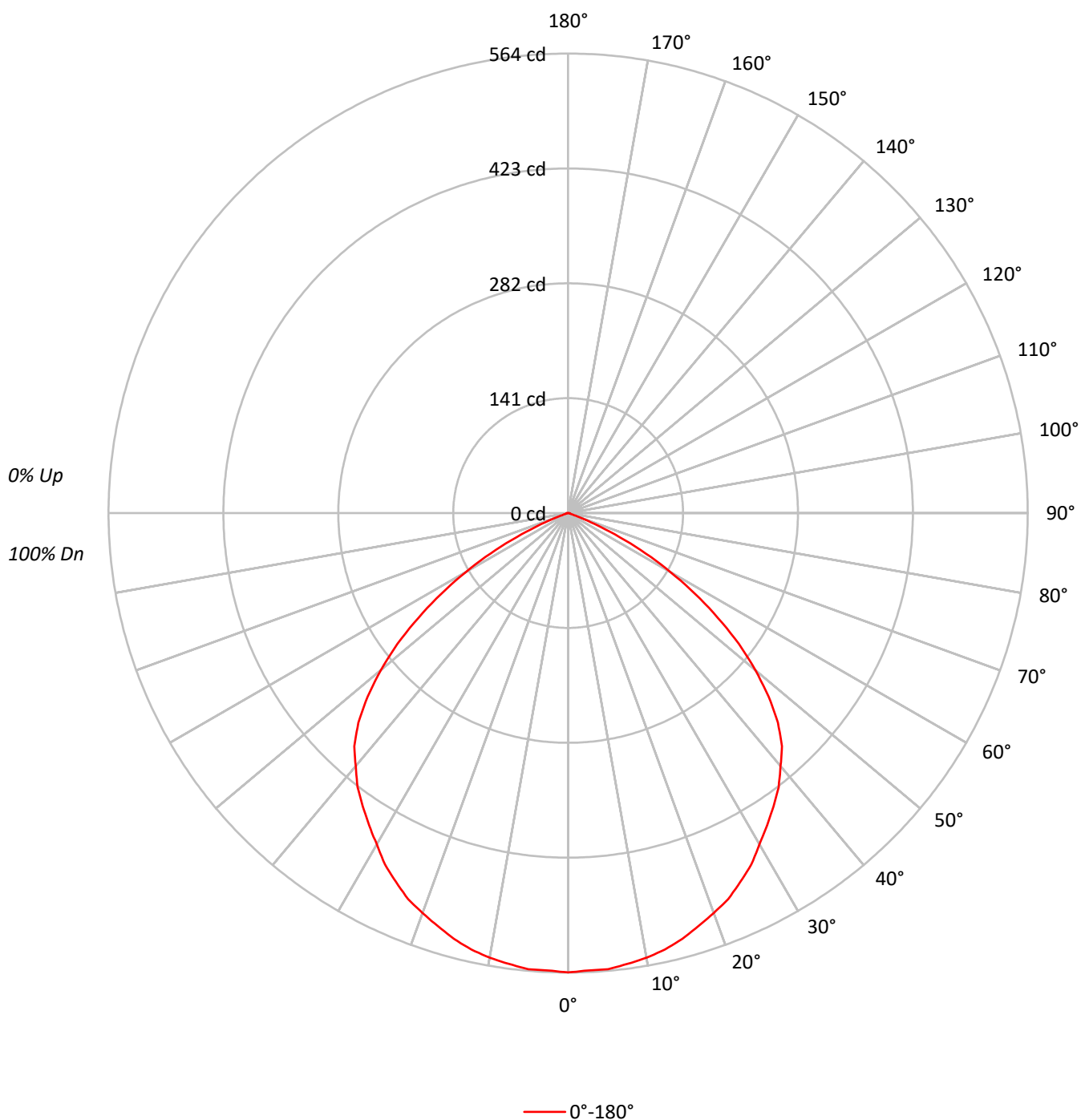
Lumens per Lamp: N/A  
Luminaire Lumens: 1264.4 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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  |     |    |    | 0 |  |  |  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  | 97  | 95  | 94  | 94  | 92  | 91  | 89  |    |    |   |  |  |  |
| 2   | 103 | 96  | 91  | 86  | 101 | 94  | 89  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 78  |    |    |   |  |  |  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 69  | 68  |    |    |   |  |  |  |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 63  | 74  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 59  |    |    |   |  |  |  |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 61  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 52  |    |    |   |  |  |  |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 55  | 49  | 60  | 54  | 49  | 59  | 53  | 48  | 57  | 52  | 48  | 46  |    |    |   |  |  |  |
| 7   | 70  | 57  | 49  | 44  | 68  | 57  | 49  | 44  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 41  |    |    |   |  |  |  |
| 8   | 65  | 53  | 45  | 39  | 64  | 52  | 44  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 38  | 37  |    |    |   |  |  |  |
| 9   | 61  | 48  | 41  | 35  | 60  | 48  | 40  | 35  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 33  |    |    |   |  |  |  |
| 10  | 57  | 45  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 41  | 36  | 32  | 30  |    |    |   |  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 5677 |
| 5°  | 5679 |
| 10° | 5667 |
| 15° | 5641 |
| 20° | 5597 |
| 25° | 5552 |
| 30° | 5459 |
| 35° | 5400 |
| 40° | 5329 |
| 45° | 5182 |
| 50° | 4696 |
| 55° | 3939 |
| 60° | 2924 |
| 65° | 1663 |
| 70° | 333  |
| 75° | 74   |
| 80° | 110  |
| 85° | 220  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 5182 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 53.3   | 4.2       |
| 10°-20°   | 152.6  | 12.1      |
| 20°-30°   | 230.1  | 18.2      |
| 30°-40°   | 274.9  | 21.7      |
| 40°-50°   | 277.4  | 21.9      |
| 50°-60°   | 199.6  | 15.8      |
| 60°-70°   | 71.4   | 5.6       |
| 70°-80°   | 3.7    | 0.3       |
| 80°-90°   | 1.3    | 0.1       |
| 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°    | 436.1  | 34.5      |
| 0°-40°    | 711.0  | 56.2      |
| 0°-60°    | 1187.9 | 94.0      |
| 0°-90°    | 1264.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1264.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 564 |      |
| 5°  | 562 | 53   |
| 15° | 541 | 153  |
| 25° | 500 | 230  |
| 35° | 439 | 275  |
| 45° | 364 | 277  |
| 55° | 224 | 200  |
| 65° | 70  | 71   |
| 75° | 2   | 4    |
| 85° | 2   | 1    |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 563.8 |
| 2.5°  | 561.9 |
| 5°    | 561.9 |
| 7.5°  | 558.1 |
| 10°   | 554.3 |
| 12.5° | 548.7 |
| 15°   | 541.1 |
| 17.5° | 531.7 |
| 20°   | 522.3 |
| 22.5° | 512.9 |
| 25°   | 499.7 |
| 27.5° | 486.5 |
| 30°   | 469.5 |
| 32.5° | 454.4 |
| 35°   | 439.3 |
| 37.5° | 424.2 |
| 40°   | 405.4 |
| 42.5° | 388.4 |
| 45°   | 363.9 |
| 47.5° | 333.7 |
| 50°   | 299.8 |
| 52.5° | 264.0 |
| 55°   | 224.4 |
| 57.5° | 184.8 |
| 60°   | 145.2 |
| 62.5° | 107.5 |
| 65°   | 69.8  |
| 67.5° | 35.8  |
| 70°   | 11.3  |
| 72.5° | 3.8   |
| 75°   | 1.9   |
| 77.5° | 1.9   |
| 80°   | 1.9   |
| 82.5° | 1.9   |
| 85°   | 1.9   |
| 87.5° | 0.0   |
| 90°   | 0.0   |

(END OF REPORT)