

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: P1504160

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OT (5000K-1200LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504160  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-21)  
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-OT (5000K-1200LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR  
LIGHT LEVEL 3 - 1200 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 5000K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

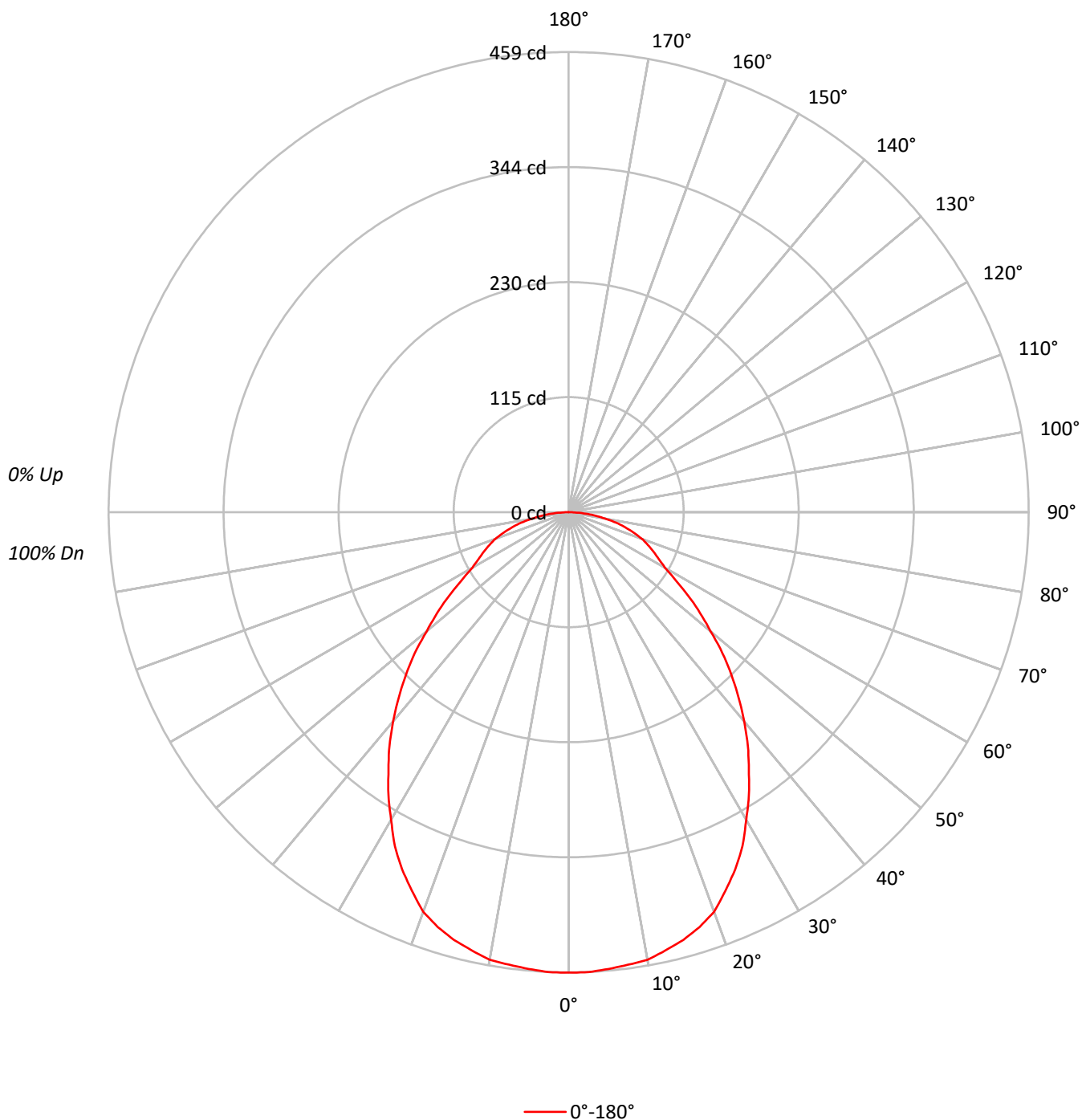
Lumens per Lamp: N/A  
Luminaire Lumens: 1024.7 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 13.9  
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   | 109 | 105 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 96  | 93  | 95  | 92  | 90  | 91  | 89  | 87  | 85  |  |  |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 82  | 78  | 84  | 80  | 76  | 81  | 78  | 75  | 73  |  |  |
| 3   | 92  | 82  | 75  | 69  | 90  | 81  | 74  | 68  | 78  | 72  | 67  | 75  | 70  | 66  | 73  | 68  | 65  | 62  |  |  |
| 4   | 85  | 74  | 65  | 59  | 83  | 72  | 65  | 59  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 54  |  |  |
| 5   | 79  | 66  | 58  | 52  | 77  | 65  | 57  | 51  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 48  |  |  |
| 6   | 73  | 60  | 52  | 46  | 71  | 59  | 51  | 46  | 58  | 51  | 45  | 56  | 50  | 45  | 54  | 49  | 44  | 42  |  |  |
| 7   | 68  | 55  | 47  | 41  | 66  | 54  | 46  | 41  | 53  | 46  | 41  | 51  | 45  | 40  | 50  | 44  | 40  | 38  |  |  |
| 8   | 64  | 51  | 42  | 37  | 62  | 50  | 42  | 37  | 49  | 42  | 37  | 47  | 41  | 36  | 46  | 40  | 36  | 34  |  |  |
| 9   | 60  | 47  | 39  | 34  | 58  | 46  | 39  | 33  | 45  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 31  |  |  |
| 10  | 56  | 43  | 36  | 31  | 55  | 43  | 35  | 31  | 42  | 35  | 30  | 41  | 35  | 30  | 40  | 34  | 30  | 28  |  |  |

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

|     | 0°   |
|-----|------|
| 0°  | 4624 |
| 5°  | 4622 |
| 10° | 4636 |
| 15° | 4604 |
| 20° | 4545 |
| 25° | 4367 |
| 30° | 4118 |
| 35° | 3851 |
| 40° | 3580 |
| 45° | 3269 |
| 50° | 2896 |
| 55° | 2561 |
| 60° | 2233 |
| 65° | 2225 |
| 70° | 2290 |
| 75° | 2272 |
| 80° | 2145 |
| 85° | 2022 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 3269 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 43.5   | 4.2       |
| 10°-20°   | 124.5  | 12.1      |
| 20°-30°   | 180.3  | 17.6      |
| 30°-40°   | 196.1  | 19.1      |
| 40°-50°   | 176.7  | 17.2      |
| 50°-60°   | 130.7  | 12.8      |
| 60°-70°   | 92.7   | 9.1       |
| 70°-80°   | 61.3   | 6.0       |
| 80°-90°   | 18.8   | 1.8       |
| 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°    | 348.3  | 34.0      |
| 0°-40°    | 544.4  | 53.1      |
| 0°-60°    | 851.9  | 83.1      |
| 0°-90°    | 1024.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1024.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 459 |      |
| 5°  | 457 | 44   |
| 15° | 442 | 124  |
| 25° | 393 | 180  |
| 35° | 313 | 196  |
| 45° | 230 | 177  |
| 55° | 146 | 131  |
| 65° | 93  | 93   |
| 75° | 58  | 61   |
| 85° | 18  | 19   |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 459.2 |
| 2.5°  | 459.2 |
| 5°    | 457.3 |
| 7.5°  | 455.3 |
| 10°   | 453.4 |
| 12.5° | 447.6 |
| 15°   | 441.7 |
| 17.5° | 433.9 |
| 20°   | 424.2 |
| 22.5° | 408.6 |
| 25°   | 393.1 |
| 27.5° | 375.6 |
| 30°   | 354.2 |
| 32.5° | 334.7 |
| 35°   | 313.3 |
| 37.5° | 293.8 |
| 40°   | 272.4 |
| 42.5° | 251.0 |
| 45°   | 229.6 |
| 47.5° | 208.2 |
| 50°   | 184.9 |
| 52.5° | 165.4 |
| 55°   | 145.9 |
| 57.5° | 126.5 |
| 60°   | 110.9 |
| 62.5° | 101.2 |
| 65°   | 93.4  |
| 67.5° | 85.6  |
| 70°   | 77.8  |
| 72.5° | 68.1  |
| 75°   | 58.4  |
| 77.5° | 48.6  |
| 80°   | 37.0  |
| 82.5° | 27.2  |
| 85°   | 17.5  |
| 87.5° | 5.8   |
| 90°   | 0.0   |

(END OF REPORT)