

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: P1504024

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-BRSS-XX-OT (4000K-900LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504024  
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-010-XXXX-BRSS-XX-OT (4000K-900LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR  
LIGHT LEVEL 2 - 900 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

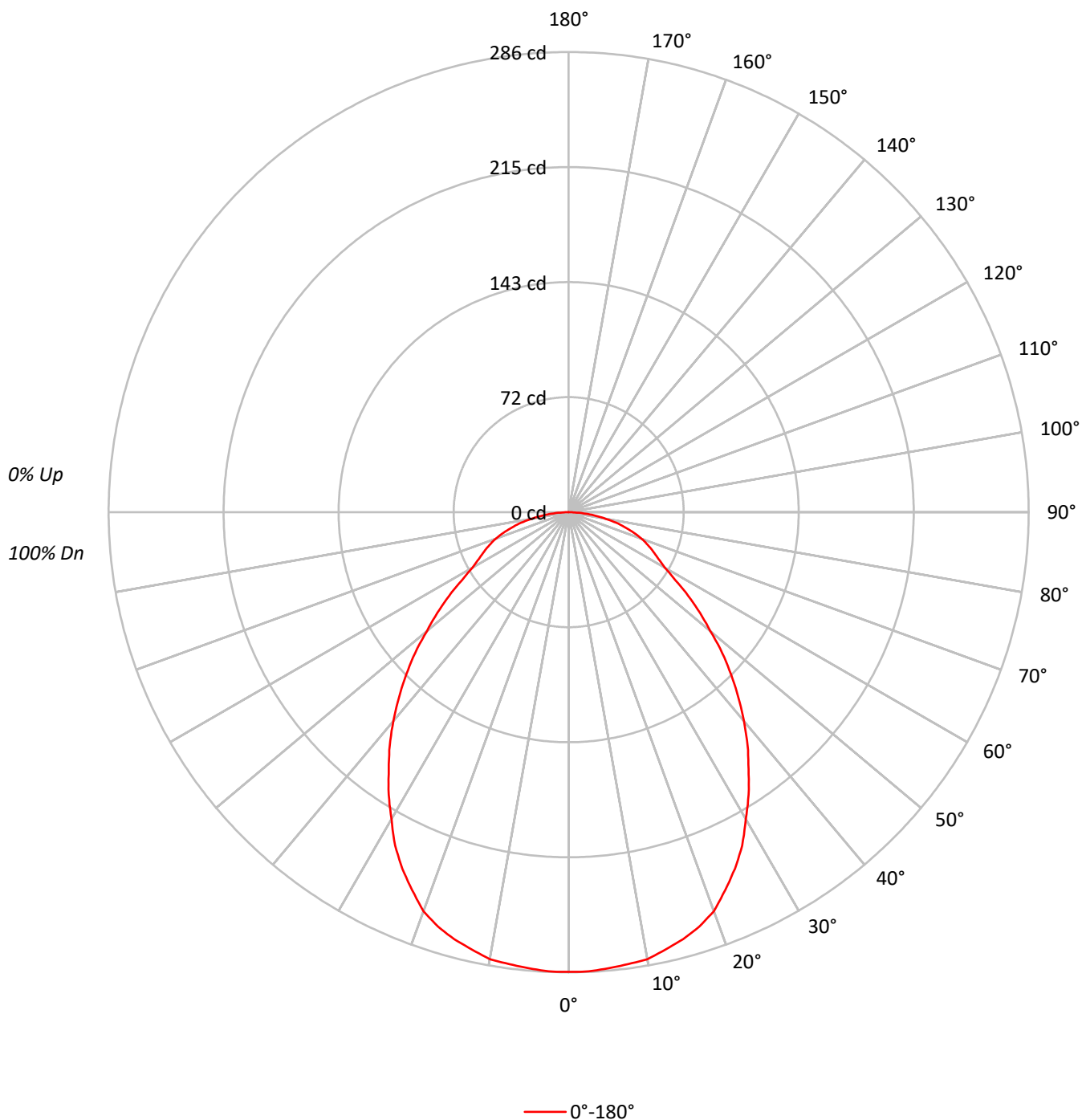
Lumens per Lamp: N/A  
Luminaire Lumens: 637.5 lumens  
Efficiency: N/A  
Efficacy: 75.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.5  
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°  | 2877 |
| 5°  | 2876 |
| 10° | 2884 |
| 15° | 2865 |
| 20° | 2828 |
| 25° | 2716 |
| 30° | 2561 |
| 35° | 2396 |
| 40° | 2228 |
| 45° | 2033 |
| 50° | 1801 |
| 55° | 1594 |
| 60° | 1390 |
| 65° | 1384 |
| 70° | 1425 |
| 75° | 1412 |
| 80° | 1334 |
| 85° | 1259 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 2033 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 27.1   | 4.2       |
| 10°-20°   | 77.4   | 12.1      |
| 20°-30°   | 112.2  | 17.6      |
| 30°-40°   | 122.0  | 19.1      |
| 40°-50°   | 109.9  | 17.2      |
| 50°-60°   | 81.3   | 12.8      |
| 60°-70°   | 57.7   | 9.1       |
| 70°-80°   | 38.2   | 6.0       |
| 80°-90°   | 11.7   | 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°    | 216.7  | 34.0      |
| 0°-40°    | 338.7  | 53.1      |
| 0°-60°    | 530.0  | 83.1      |
| 0°-90°    | 637.5  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 637.5  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 286 |      |
| 5°  | 284 | 27   |
| 15° | 275 | 77   |
| 25° | 244 | 112  |
| 35° | 195 | 122  |
| 45° | 143 | 110  |
| 55° | 91  | 81   |
| 65° | 58  | 58   |
| 75° | 36  | 38   |
| 85° | 11  | 12   |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 285.7 |
| 2.5°  | 285.7 |
| 5°    | 284.5 |
| 7.5°  | 283.3 |
| 10°   | 282.1 |
| 12.5° | 278.4 |
| 15°   | 274.8 |
| 17.5° | 270.0 |
| 20°   | 263.9 |
| 22.5° | 254.2 |
| 25°   | 244.5 |
| 27.5° | 233.6 |
| 30°   | 220.3 |
| 32.5° | 208.2 |
| 35°   | 194.9 |
| 37.5° | 182.8 |
| 40°   | 169.5 |
| 42.5° | 156.2 |
| 45°   | 142.8 |
| 47.5° | 129.5 |
| 50°   | 115.0 |
| 52.5° | 102.9 |
| 55°   | 90.8  |
| 57.5° | 78.7  |
| 60°   | 69.0  |
| 62.5° | 62.9  |
| 65°   | 58.1  |
| 67.5° | 53.3  |
| 70°   | 48.4  |
| 72.5° | 42.4  |
| 75°   | 36.3  |
| 77.5° | 30.3  |
| 80°   | 23.0  |
| 82.5° | 16.9  |
| 85°   | 10.9  |
| 87.5° | 3.6   |
| 90°   | 0.0   |

(END OF REPORT)