

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: P1504062

Luminaire Tested: PRLX-SM6-03-LS-FS-010-XXXX-WHTE-XX-OT (3000K-750LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-19)  
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-OT (3000K-750LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, WHITE REFLECTOR  
LIGHT LEVEL 1 - 750 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 3000K CCT, 90 CRI  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

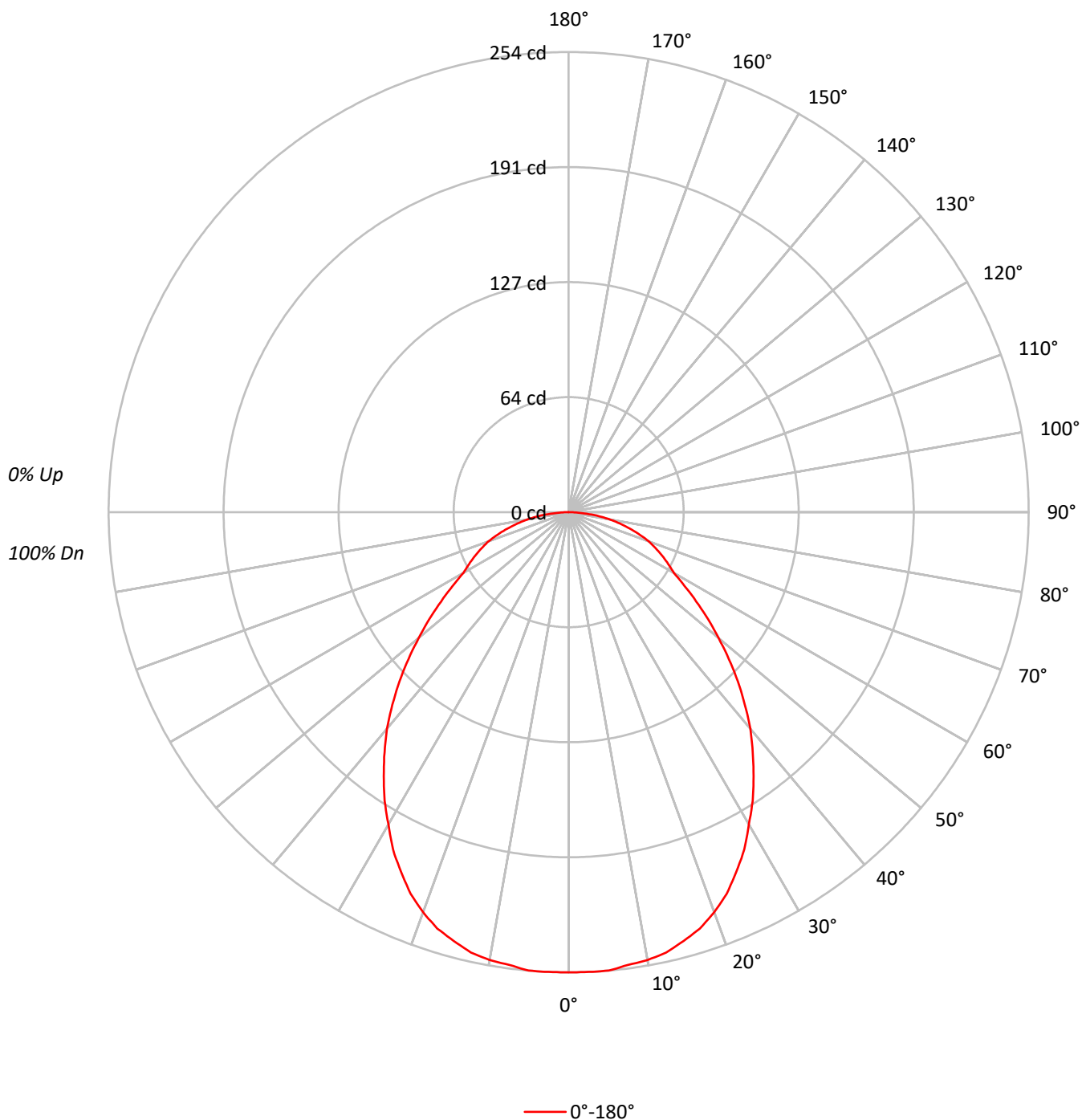
Lumens per Lamp: N/A  
Luminaire Lumens: 589.1 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.24  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
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  |     |     |  |  | 0  |
| 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 | 102 | 99  | 95  | 98  | 95  | 92  | 94  | 92  | 90  | 91  | 89  | 87  | 85  |  |  |    |
| 2   | 100 | 92  | 86  | 80  | 97  | 90  | 84  | 79  | 87  | 82  | 77  | 84  | 79  | 76  | 81  | 77  | 74  | 72  |  |  |    |
| 3   | 92  | 82  | 74  | 68  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 75  | 69  | 65  | 72  | 68  | 64  | 62  |  |  |    |
| 4   | 85  | 73  | 65  | 58  | 82  | 72  | 64  | 58  | 69  | 63  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 54  |  |  |    |
| 5   | 78  | 66  | 57  | 51  | 76  | 65  | 57  | 51  | 63  | 56  | 50  | 61  | 54  | 50  | 59  | 53  | 49  | 47  |  |  |    |
| 6   | 72  | 60  | 51  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 44  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |  |  |    |
| 7   | 67  | 54  | 46  | 40  | 66  | 54  | 46  | 40  | 52  | 45  | 40  | 51  | 44  | 39  | 49  | 44  | 39  | 37  |  |  |    |
| 8   | 63  | 50  | 42  | 36  | 61  | 49  | 41  | 36  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 35  | 34  |  |  |    |
| 9   | 59  | 46  | 38  | 33  | 58  | 45  | 38  | 33  | 44  | 37  | 33  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |  |  |    |
| 10  | 55  | 43  | 35  | 30  | 54  | 42  | 35  | 30  | 41  | 34  | 30  | 40  | 34  | 30  | 39  | 34  | 29  | 28  |  |  |    |

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

|     | 0°   |
|-----|------|
| 0°  | 2558 |
| 5°  | 2567 |
| 10° | 2566 |
| 15° | 2554 |
| 20° | 2518 |
| 25° | 2433 |
| 30° | 2314 |
| 35° | 2188 |
| 40° | 2050 |
| 45° | 1880 |
| 50° | 1692 |
| 55° | 1510 |
| 60° | 1349 |
| 65° | 1358 |
| 70° | 1384 |
| 75° | 1362 |
| 80° | 1334 |
| 85° | 1155 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 1880 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.1   | 4.1       |
| 10°-20°   | 69.1   | 11.7      |
| 20°-30°   | 100.6  | 17.1      |
| 30°-40°   | 111.2  | 18.9      |
| 40°-50°   | 101.7  | 17.3      |
| 50°-60°   | 77.4   | 13.1      |
| 60°-70°   | 56.5   | 9.6       |
| 70°-80°   | 36.9   | 6.3       |
| 80°-90°   | 11.6   | 2.0       |
| 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°    | 193.8  | 32.9      |
| 0°-40°    | 305.0  | 51.8      |
| 0°-60°    | 484.1  | 82.2      |
| 0°-90°    | 589.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 589.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 254 |      |
| 5°  | 254 | 24   |
| 15° | 245 | 69   |
| 25° | 219 | 101  |
| 35° | 178 | 111  |
| 45° | 132 | 102  |
| 55° | 86  | 77   |
| 65° | 57  | 56   |
| 75° | 35  | 37   |
| 85° | 10  | 12   |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°  |
|-------|-----|
| 0°    | 254 |
| 2.5°  | 254 |
| 5°    | 254 |
| 7.5°  | 252 |
| 10°   | 251 |
| 12.5° | 249 |
| 15°   | 245 |
| 17.5° | 241 |
| 20°   | 235 |
| 22.5° | 228 |
| 25°   | 219 |
| 27.5° | 210 |
| 30°   | 199 |
| 32.5° | 189 |
| 35°   | 178 |
| 37.5° | 167 |
| 40°   | 156 |
| 42.5° | 144 |
| 45°   | 132 |
| 47.5° | 120 |
| 50°   | 108 |
| 52.5° | 97  |
| 55°   | 86  |
| 57.5° | 76  |
| 60°   | 67  |
| 62.5° | 62  |
| 65°   | 57  |
| 67.5° | 52  |
| 70°   | 47  |
| 72.5° | 41  |
| 75°   | 35  |
| 77.5° | 29  |
| 80°   | 23  |
| 82.5° | 17  |
| 85°   | 10  |
| 87.5° | 4   |
| 90°   | 0   |

(END OF REPORT)