

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: P1504158

Luminaire Tested: PRLX-SM6-03-LS-FS-D2W-XXXX-BRSS-XX-OT (4000K-750LM)

Issue Date: 7/28/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1504158  
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 (4000K-750LM)  
Description: PrentaLux Fluxyn SM6 SURFACE MOUNT, DISC, OPEN TAPERED, BRASS REFLECTOR  
LIGHT LEVEL 1 - 750 NOMINAL LUMENS  
Light Source: SELECTABLE CCT - 4000K CCT, 90 CRI - DIM TO WARM (1800K)  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

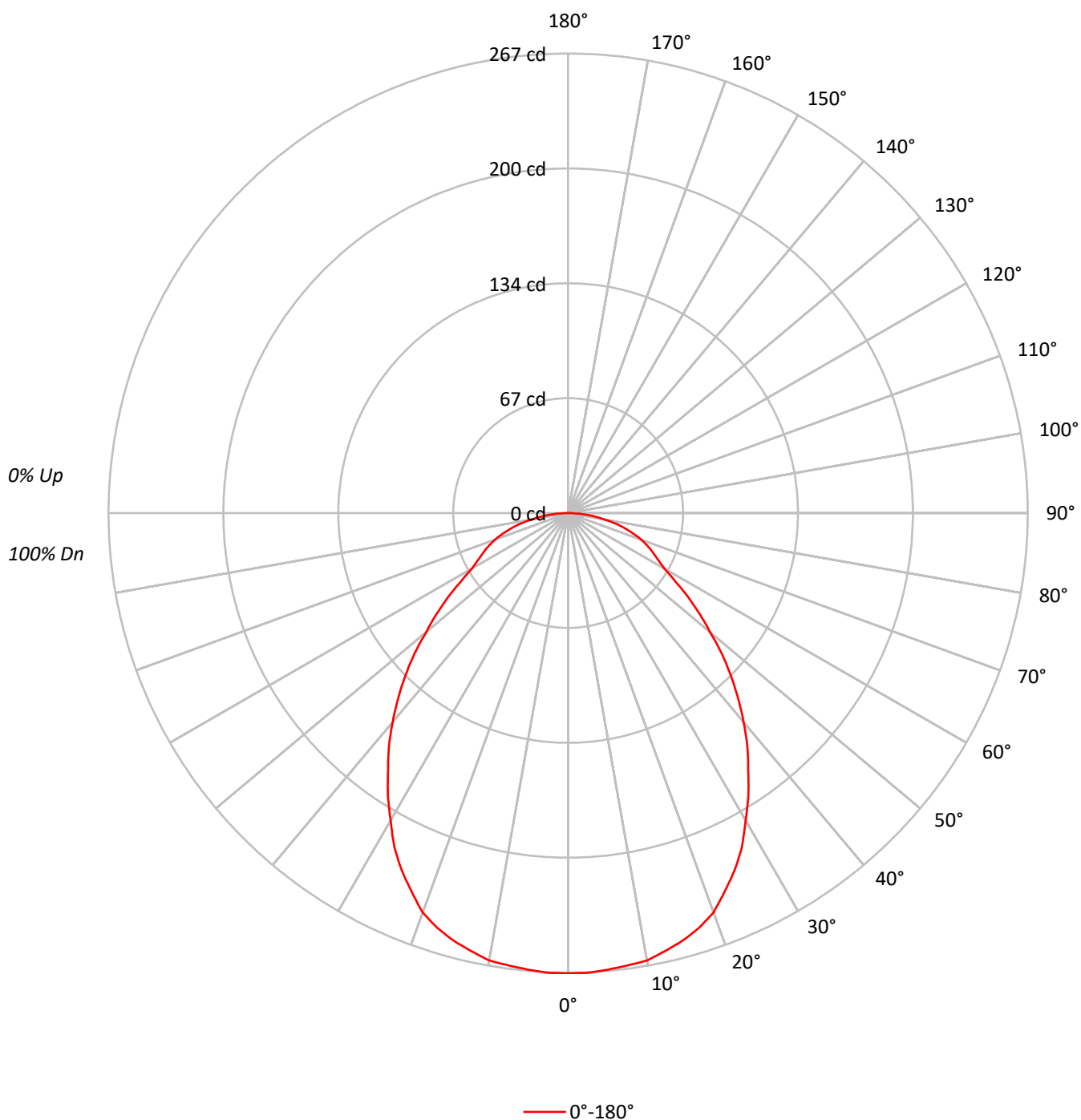
Lumens per Lamp: N/A  
Luminaire Lumens: 596.7 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.22  
Luminous Opening: Circular (Dia: 1.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
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  | 50  | 30 | 10 | 50 | 30 | 10 |  |  |
| 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°  | 2692 |
| 5°  | 2692 |
| 10° | 2699 |
| 15° | 2681 |
| 20° | 2647 |
| 25° | 2543 |
| 30° | 2397 |
| 35° | 2242 |
| 40° | 2085 |
| 45° | 1904 |
| 50° | 1686 |
| 55° | 1492 |
| 60° | 1301 |
| 65° | 1296 |
| 70° | 1334 |
| 75° | 1323 |
| 80° | 1247 |
| 85° | 1178 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle:  $0^\circ$ 

Vertical Angle:  $45^\circ$

Luminance: 1904 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 25.3   | 4.2       |
| 10°-20°   | 72.5   | 12.1      |
| 20°-30°   | 105.0  | 17.6      |
| 30°-40°   | 114.2  | 19.1      |
| 40°-50°   | 102.9  | 17.2      |
| 50°-60°   | 76.1   | 12.8      |
| 60°-70°   | 54.0   | 9.1       |
| 70°-80°   | 35.7   | 6.0       |
| 80°-90°   | 10.9   | 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°    | 202.8  | 34.0      |
| 0°-40°    | 317.0  | 53.1      |
| 0°-60°    | 496.0  | 83.1      |
| 0°-90°    | 596.7  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 596.7  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 267 |      |
| 5°  | 266 | 25   |
| 15° | 257 | 72   |
| 25° | 229 | 105  |
| 35° | 182 | 114  |
| 45° | 134 | 103  |
| 55° | 85  | 76   |
| 65° | 54  | 54   |
| 75° | 34  | 36   |
| 85° | 10  | 11   |
| 90° | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 267.4 |
| 2.5°  | 267.4 |
| 5°    | 266.3 |
| 7.5°  | 265.1 |
| 10°   | 264.0 |
| 12.5° | 260.6 |
| 15°   | 257.2 |
| 17.5° | 252.7 |
| 20°   | 247.0 |
| 22.5° | 237.9 |
| 25°   | 228.9 |
| 27.5° | 218.7 |
| 30°   | 206.2 |
| 32.5° | 194.9 |
| 35°   | 182.4 |
| 37.5° | 171.1 |
| 40°   | 158.6 |
| 42.5° | 146.2 |
| 45°   | 133.7 |
| 47.5° | 121.2 |
| 50°   | 107.6 |
| 52.5° | 96.3  |
| 55°   | 85.0  |
| 57.5° | 73.6  |
| 60°   | 64.6  |
| 62.5° | 58.9  |
| 65°   | 54.4  |
| 67.5° | 49.9  |
| 70°   | 45.3  |
| 72.5° | 39.7  |
| 75°   | 34.0  |
| 77.5° | 28.3  |
| 80°   | 21.5  |
| 82.5° | 15.9  |
| 85°   | 10.2  |
| 87.5° | 3.4   |
| 90°   | 0.0   |

(END OF REPORT)