

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1319454

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPH1MB\_2700K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R25B2750DE010 E3SQPH1MB\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

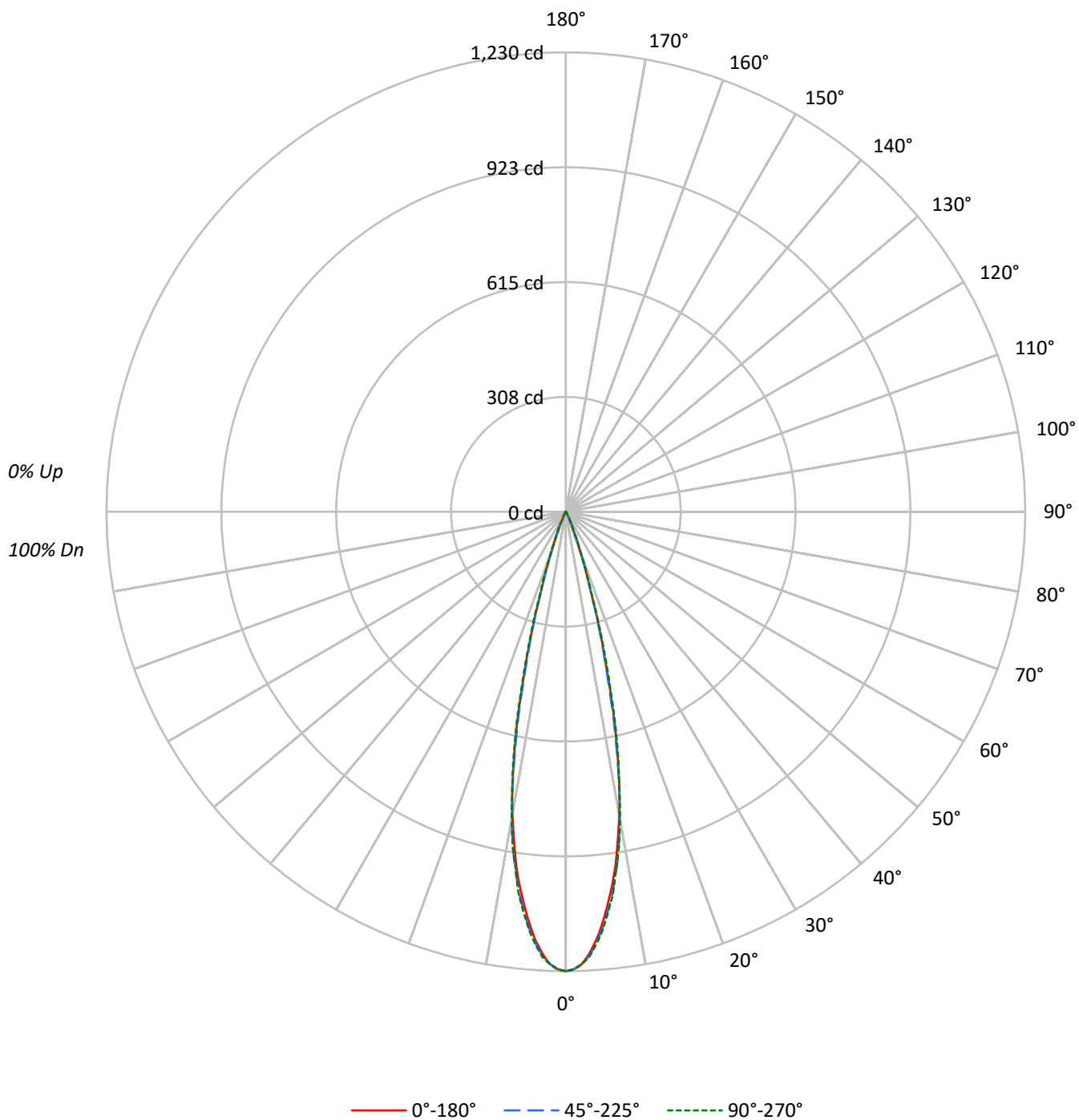
Lumens per Lamp: N/A  
Luminaire Lumens: 227.0 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 2.9  
Input Voltage (V): NR  
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  | 0   |  |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |  |  |   |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  |  |  |   |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  |  |  |   |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  |  |  |   |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  |  |  |   |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  |  |  |   |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  |  |  |   |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  |  |  |   |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  |  |  |   |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  |  |  |   |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  |  |  |   |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 211834 | 211834 | 211834 |
| 5°  | 191967 | 193713 | 194663 |
| 10° | 144311 | 145342 | 146007 |
| 15° | 71462  | 69322  | 73940  |
| 20° | 20179  | 20509  | 20728  |
| 25° | 3496   | 6613   | 4162   |
| 30° | 1372   | 1412   | 1452   |
| 35° | 420    | 463    | 463    |
| 40° | 135    | 180    | 135    |
| 45° | 97     | 49     | 97     |
| 50° | 54     | 0      | 54     |
| 55° | 60     | 0      | 60     |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 97 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 97.7   | 43.0      |
| 10°-20°   | 110.2  | 48.5      |
| 20°-30°   | 17.1   | 7.5       |
| 30°-40°   | 1.7    | 0.8       |
| 40°-50°   | 0.2    | 0.1       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 225.0  | 99.1      |
| 0°-40°    | 226.7  | 99.9      |
| 0°-60°    | 227.0  | 100.0     |
| 0°-90°    | 227.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 227.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1230 | 1230  | 1230 | 1230  | 1230 |      |
| 5°  | 1110 | 1112  | 1120 | 1125  | 1126 | 97   |
| 15° | 401  | 398   | 389  | 406   | 415  | 110  |
| 25° | 18   | 27    | 35   | 26    | 22   | 15   |
| 35° | 2    | 2     | 2    | 2     | 2    | 2    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1230.0 | 1230.0 | 1230.0 | 1230.0 | 1230.0 |
| 1°    | 1224.9 | 1226.6 | 1224.7 | 1226.8 | 1226.6 |
| 2°    | 1212.2 | 1213.8 | 1211.6 | 1212.8 | 1212.8 |
| 3°    | 1186.1 | 1189.5 | 1191.5 | 1193.0 | 1194.2 |
| 4°    | 1151.7 | 1155.5 | 1158.6 | 1162.2 | 1162.2 |
| 5°    | 1110.4 | 1112.4 | 1120.5 | 1125.0 | 1126.0 |
| 6°    | 1061.2 | 1069.3 | 1075.4 | 1084.3 | 1078.8 |
| 7°    | 1012.0 | 1018.7 | 1027.2 | 1028.6 | 1032.5 |
| 8°    | 956.2  | 963.2  | 971.1  | 969.7  | 966.5  |
| 9°    | 888.1  | 898.5  | 907.8  | 904.7  | 908.8  |
| 10°   | 825.2  | 831.5  | 831.1  | 828.0  | 834.9  |
| 11°   | 752.1  | 753.5  | 745.7  | 758.0  | 750.5  |
| 12°   | 665.5  | 666.7  | 656.6  | 668.7  | 676.4  |
| 13°   | 582.5  | 579.7  | 565.7  | 581.7  | 591.4  |
| 14°   | 487.0  | 488.0  | 470.2  | 501.2  | 498.7  |
| 15°   | 400.8  | 397.9  | 388.8  | 406.2  | 414.7  |
| 17.5° | 213.5  | 215.4  | 213.1  | 221.8  | 227.3  |
| 20°   | 110.1  | 113.1  | 111.9  | 115.6  | 113.1  |
| 22.5° | 57.1   | 61.3   | 62.5   | 59.7   | 52.0   |
| 25°   | 18.4   | 27.3   | 34.8   | 26.5   | 21.9   |
| 27.5° | 11.1   | 10.9   | 17.0   | 11.7   | 11.9   |
| 30°   | 6.9    | 6.7    | 7.1    | 7.1    | 7.3    |
| 32.5° | 3.8    | 4.0    | 3.8    | 4.3    | 4.0    |
| 35°   | 2.0    | 2.2    | 2.2    | 2.4    | 2.2    |
| 37.5° | 1.2    | 1.4    | 1.4    | 1.4    | 1.2    |
| 40°   | 0.6    | 0.8    | 0.8    | 0.6    | 0.6    |
| 42.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 45°   | 0.4    | 0.2    | 0.2    | 0.2    | 0.4    |
| 47.5° | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 55°   | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)