

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: P1319300

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPH1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319300  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R15B2750DE010 E3SQPH1MB\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

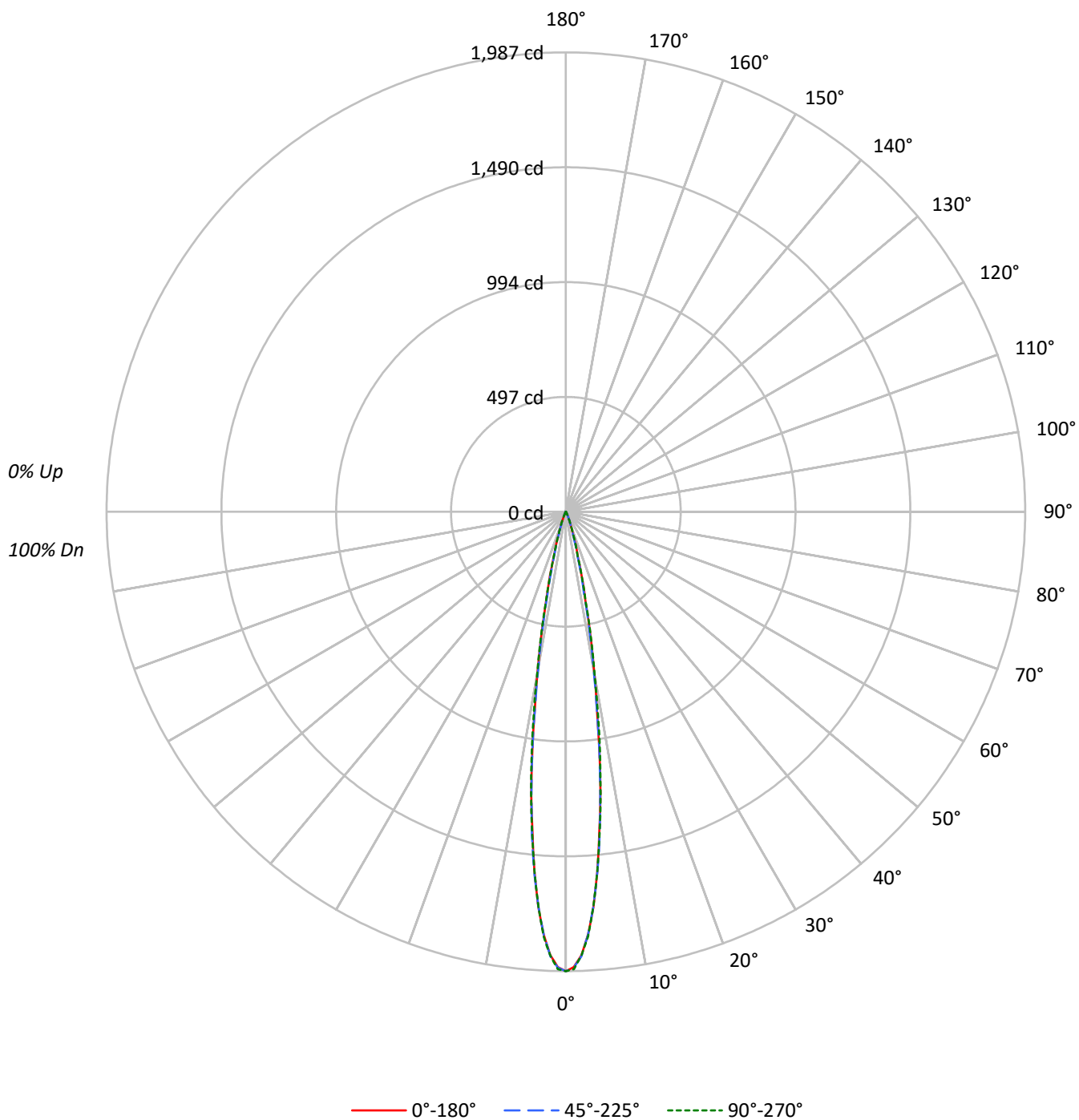
Lumens per Lamp: N/A  
Luminaire Lumens: 199.0 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 104 | 103 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 104 | 102 | 102 | 101 | 100 | 100 | 99  | 98  | 98  | 98  | 97  |
| 3   | 110 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 103 | 101 | 99  | 101 | 99  | 97  | 99  | 97  | 96  | 96  | 96  | 95  |
| 4   | 108 | 104 | 100 | 98  | 106 | 103 | 100 | 98  | 101 | 98  | 96  | 99  | 97  | 95  | 97  | 96  | 94  | 94  | 94  | 93  |
| 5   | 106 | 101 | 98  | 95  | 104 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 95  | 94  | 96  | 94  | 93  | 93  | 93  | 92  |
| 6   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 91  |
| 7   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 93  | 91  | 94  | 92  | 90  | 94  | 92  | 90  | 90  | 90  | 89  |
| 8   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 89  | 89  | 89  | 88  |
| 9   | 98  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  | 92  | 89  | 88  | 91  | 89  | 87  | 87  | 87  | 87  |
| 10  | 97  | 92  | 89  | 87  | 96  | 92  | 89  | 87  | 91  | 88  | 87  | 90  | 88  | 86  | 90  | 88  | 86  | 86  | 86  | 86  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 342275 | 342275 | 342275 |
| 5°  | 269987 | 270714 | 269745 |
| 10° | 123517 | 120282 | 126123 |
| 15° | 36729  | 32789  | 35981  |
| 20° | 10905  | 10575  | 11455  |
| 25° | 3097   | 4010   | 3592   |
| 30° | 1114   | 1193   | 1074   |
| 35° | 420    | 378    | 378    |
| 40° | 180    | 90     | 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: 47.5°

Luminance: 102 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.1  | 60.3      |
| 10°-20°   | 66.7   | 33.5      |
| 20°-30°   | 10.6   | 5.3       |
| 30°-40°   | 1.4    | 0.7       |
| 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°    | 197.4  | 99.2      |
| 0°-40°    | 198.8  | 99.9      |
| 0°-60°    | 199.0  | 100.0     |
| 0°-90°    | 199.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 199.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1987 | 1987  | 1987 | 1987  | 1987 |      |
| 5°  | 1562 | 1575  | 1566 | 1559  | 1560 | 120  |
| 15° | 206  | 203   | 184  | 195   | 202  | 68   |
| 25° | 16   | 18    | 21   | 21    | 19   | 10   |
| 35° | 2    | 2     | 2    | 2     | 2    | 1    |
| 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    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 | 1987.4 |
| 1°    | 1970.3 | 1972.5 | 1975.3 | 1972.7 | 1970.3 | 1972.5 | 1969.5 | 1969.9 | 1967.5 | 1972.7 | 1978.4 |
| 2°    | 1920.1 | 1922.9 | 1921.3 | 1917.7 | 1923.3 | 1923.7 | 1917.5 | 1914.6 | 1914.2 | 1919.3 | 1921.3 |
| 3°    | 1831.4 | 1837.7 | 1837.9 | 1836.7 | 1835.0 | 1831.4 | 1825.0 | 1829.2 | 1823.4 | 1819.8 | 1840.1 |
| 4°    | 1713.4 | 1718.9 | 1725.5 | 1721.1 | 1708.0 | 1709.2 | 1713.4 | 1699.2 | 1700.0 | 1708.2 | 1708.8 |
| 5°    | 1561.7 | 1578.6 | 1579.4 | 1573.2 | 1562.9 | 1565.9 | 1562.9 | 1558.9 | 1560.3 | 1565.5 | 1560.3 |
| 6°    | 1383.2 | 1402.3 | 1388.2 | 1401.7 | 1398.7 | 1402.5 | 1403.5 | 1399.3 | 1402.3 | 1399.1 | 1398.1 |
| 7°    | 1228.9 | 1214.4 | 1216.4 | 1210.8 | 1216.8 | 1220.8 | 1223.2 | 1216.0 | 1221.8 | 1230.9 | 1233.5 |
| 8°    | 1037.7 | 1033.5 | 1029.3 | 1039.3 | 1036.5 | 1041.3 | 1044.3 | 1052.2 | 1051.8 | 1054.6 | 1063.8 |
| 9°    | 855.6  | 861.8  | 865.5  | 856.8  | 864.3  | 849.6  | 854.8  | 876.1  | 870.5  | 876.1  | 892.4  |
| 10°   | 706.3  | 711.3  | 705.7  | 705.5  | 697.6  | 687.8  | 687.2  | 695.2  | 711.9  | 725.0  | 721.2  |
| 12.5° | 389.7  | 394.1  | 394.7  | 394.3  | 379.9  | 363.8  | 366.8  | 373.2  | 383.5  | 387.9  | 395.1  |
| 15°   | 206.0  | 205.8  | 208.0  | 201.8  | 194.2  | 183.9  | 184.7  | 193.4  | 201.2  | 203.2  | 201.8  |
| 17.5° | 105.7  | 106.1  | 107.7  | 106.1  | 98.1   | 99.1   | 101.3  | 102.3  | 106.9  | 108.7  | 107.7  |
| 20°   | 59.5   | 59.7   | 59.5   | 60.1   | 56.9   | 57.7   | 60.5   | 60.7   | 61.7   | 62.7   | 62.5   |
| 22.5° | 34.0   | 34.2   | 35.4   | 35.0   | 34.2   | 35.2   | 35.8   | 36.8   | 37.2   | 36.8   | 38.0   |
| 25°   | 16.3   | 16.5   | 16.5   | 18.9   | 20.1   | 21.1   | 21.5   | 21.1   | 20.7   | 19.1   | 18.9   |
| 27.5° | 9.4    | 9.4    | 9.8    | 10.0   | 10.3   | 12.1   | 11.9   | 10.0   | 8.4    | 8.4    | 8.6    |
| 30°   | 5.6    | 5.4    | 5.4    | 5.6    | 5.8    | 6.0    | 5.6    | 5.4    | 5.4    | 5.6    | 5.4    |
| 32.5° | 3.4    | 3.4    | 3.4    | 3.2    | 3.2    | 3.0    | 3.0    | 3.4    | 3.4    | 3.4    | 3.4    |
| 35°   | 2.0    | 2.0    | 2.0    | 2.0    | 1.8    | 1.8    | 1.8    | 2.0    | 2.0    | 1.8    | 1.8    |
| 37.5° | 1.2    | 1.2    | 1.2    | 1.0    | 1.0    | 0.8    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 40°   | 0.8    | 0.8    | 0.6    | 0.6    | 0.4    | 0.4    | 0.4    | 0.6    | 0.6    | 0.6    | 0.6    |
| 42.5° | 0.6    | 0.6    | 0.4    | 0.4    | 0.2    | 0.2    | 0.2    | 0.4    | 0.4    | 0.4    | 0.4    |
| 45°   | 0.4    | 0.4    | 0.4    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.4    | 0.4    |
| 47.5° | 0.4    | 0.4    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    | 0.2    |
| 55°   | 0.2    | 0.2    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    | 0.2    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)