

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: PORTFOLIO

Report Number: P1320528

Luminaire Tested: LDSQA3D02R15B2750DE010 3LSQCDR1MMS\_4000K

Issue Date: 1/29/2026

**Test Information**

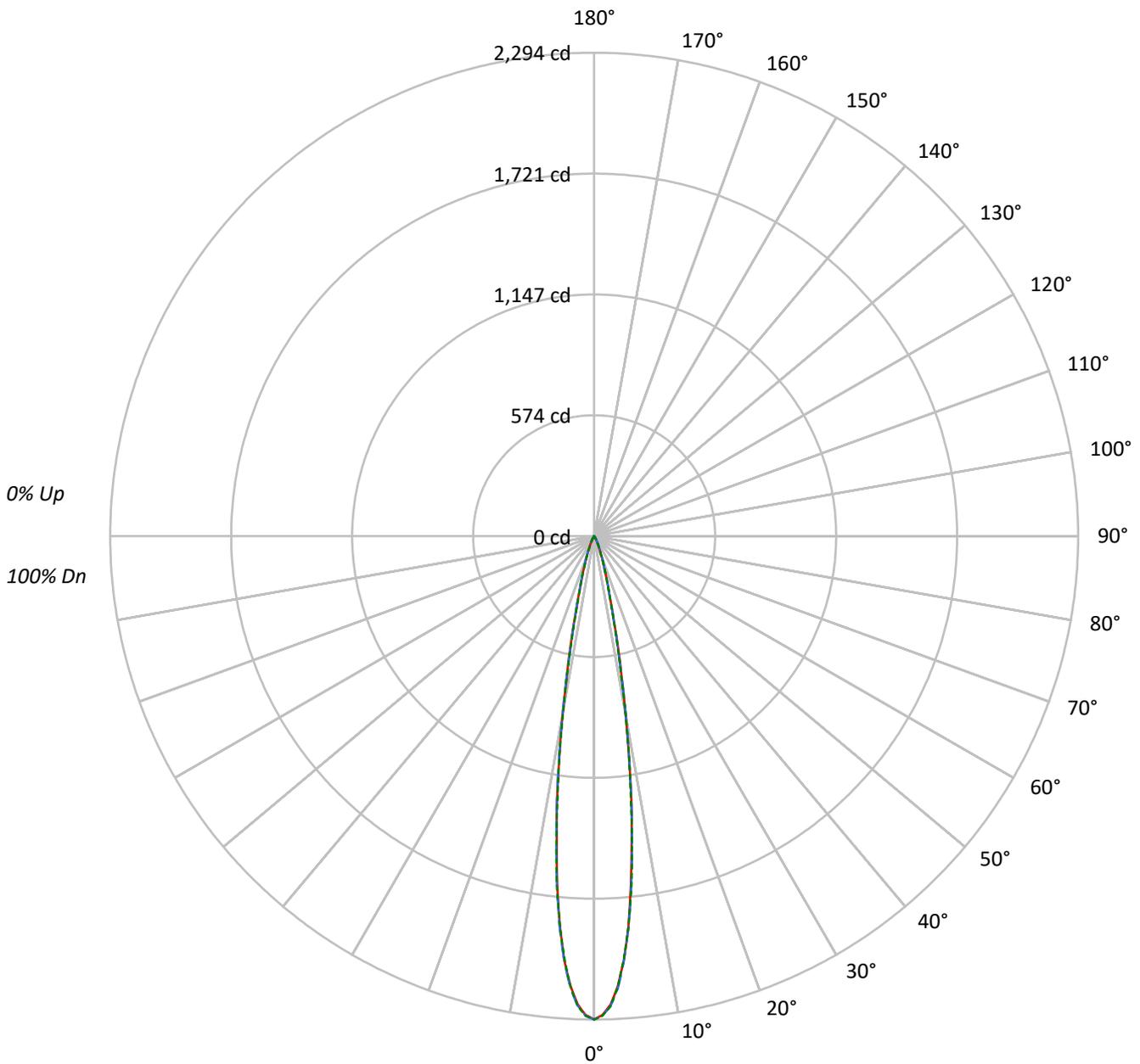
Test Method: LM-79-2019  
Report Number: P1320528  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R15B2750DE010 3LSQCDR1MMS\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 256.0 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
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



— 0°-180°    - - 45°-225°    ···· 90°-270°



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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  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 84  | 84  | 84  | 83  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 395044 | 395044 | 395044 |
| 5°  | 321627 | 322681 | 322059 |
| 10° | 150029 | 151376 | 149469 |
| 15° | 47106  | 47516  | 47231  |
| 20° | 18657  | 19409  | 18071  |
| 25° | 7544   | 9121   | 7278   |
| 30° | 3023   | 4156   | 2864   |
| 35° | 904    | 1829   | 841    |
| 40° | 270    | 674    | 225    |
| 45° | 49     | 146    | 49     |
| 50° | 0      | 54     | 0      |
| 55° | 0      | 0      | 0      |
| 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: 45°

Vertical Angle: 45°

Luminance: 146 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 143.6  | 56.1      |
| 10°-20°   | 85.9   | 33.6      |
| 20°-30°   | 21.7   | 8.5       |
| 30°-40°   | 4.4    | 1.7       |
| 40°-50°   | 0.4    | 0.2       |
| 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°    | 251.2  | 98.1      |
| 0°-40°    | 255.6  | 99.8      |
| 0°-60°    | 256.0  | 100.0     |
| 0°-90°    | 256.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 256.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2294 | 2294  | 2294 | 2294  | 2294 |      |
| 5°  | 1860 | 1857  | 1866 | 1862  | 1863 | 143  |
| 15° | 264  | 266   | 266  | 263   | 265  | 86   |
| 25° | 40   | 43    | 48   | 42    | 38   | 20   |
| 35° | 4    | 6     | 9    | 6     | 4    | 4    |
| 45° | 0    | 0     | 1    | 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°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2293.8 | 2293.8 | 2293.8 | 2293.8 | 2293.8 |
| 1°    | 2273.1 | 2280.8 | 2276.7 | 2280.0 | 2276.3 |
| 2°    | 2223.9 | 2234.2 | 2231.0 | 2230.0 | 2232.8 |
| 3°    | 2137.2 | 2149.2 | 2148.8 | 2145.7 | 2140.9 |
| 4°    | 2019.0 | 2014.1 | 2021.6 | 2020.8 | 2012.5 |
| 5°    | 1860.4 | 1857.0 | 1866.5 | 1861.9 | 1862.9 |
| 6°    | 1666.5 | 1681.4 | 1678.2 | 1678.6 | 1682.4 |
| 7°    | 1458.1 | 1466.2 | 1473.1 | 1478.7 | 1470.9 |
| 8°    | 1266.7 | 1264.7 | 1265.3 | 1271.8 | 1249.9 |
| 9°    | 1052.5 | 1065.1 | 1057.0 | 1044.0 | 1052.3 |
| 10°   | 857.9  | 865.6  | 865.6  | 854.3  | 854.7  |
| 11°   | 684.0  | 690.3  | 685.8  | 688.7  | 670.8  |
| 12°   | 551.4  | 535.8  | 532.1  | 535.0  | 534.8  |
| 13°   | 421.0  | 422.0  | 421.0  | 420.8  | 418.7  |
| 14°   | 330.1  | 335.3  | 333.1  | 327.6  | 325.2  |
| 15°   | 264.2  | 266.5  | 266.5  | 262.6  | 264.9  |
| 17.5° | 158.7  | 161.4  | 162.0  | 159.4  | 159.4  |
| 20°   | 101.8  | 103.1  | 105.9  | 102.1  | 98.6   |
| 22.5° | 62.8   | 65.4   | 70.3   | 64.6   | 61.8   |
| 25°   | 39.7   | 43.3   | 48.0   | 42.5   | 38.3   |
| 27.5° | 24.9   | 27.9   | 32.0   | 26.7   | 24.1   |
| 30°   | 15.2   | 17.2   | 20.9   | 16.8   | 14.4   |
| 32.5° | 8.5    | 10.1   | 13.2   | 9.7    | 8.1    |
| 35°   | 4.3    | 5.7    | 8.7    | 5.5    | 4.0    |
| 37.5° | 2.4    | 3.0    | 5.5    | 2.6    | 2.2    |
| 40°   | 1.2    | 1.6    | 3.0    | 1.6    | 1.0    |
| 42.5° | 0.4    | 0.8    | 1.2    | 0.8    | 0.4    |
| 45°   | 0.2    | 0.4    | 0.6    | 0.4    | 0.2    |
| 47.5° | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)