

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: P1320765

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQCDR1MMS\_2700K

Issue Date: 1/29/2026

**Test Information**

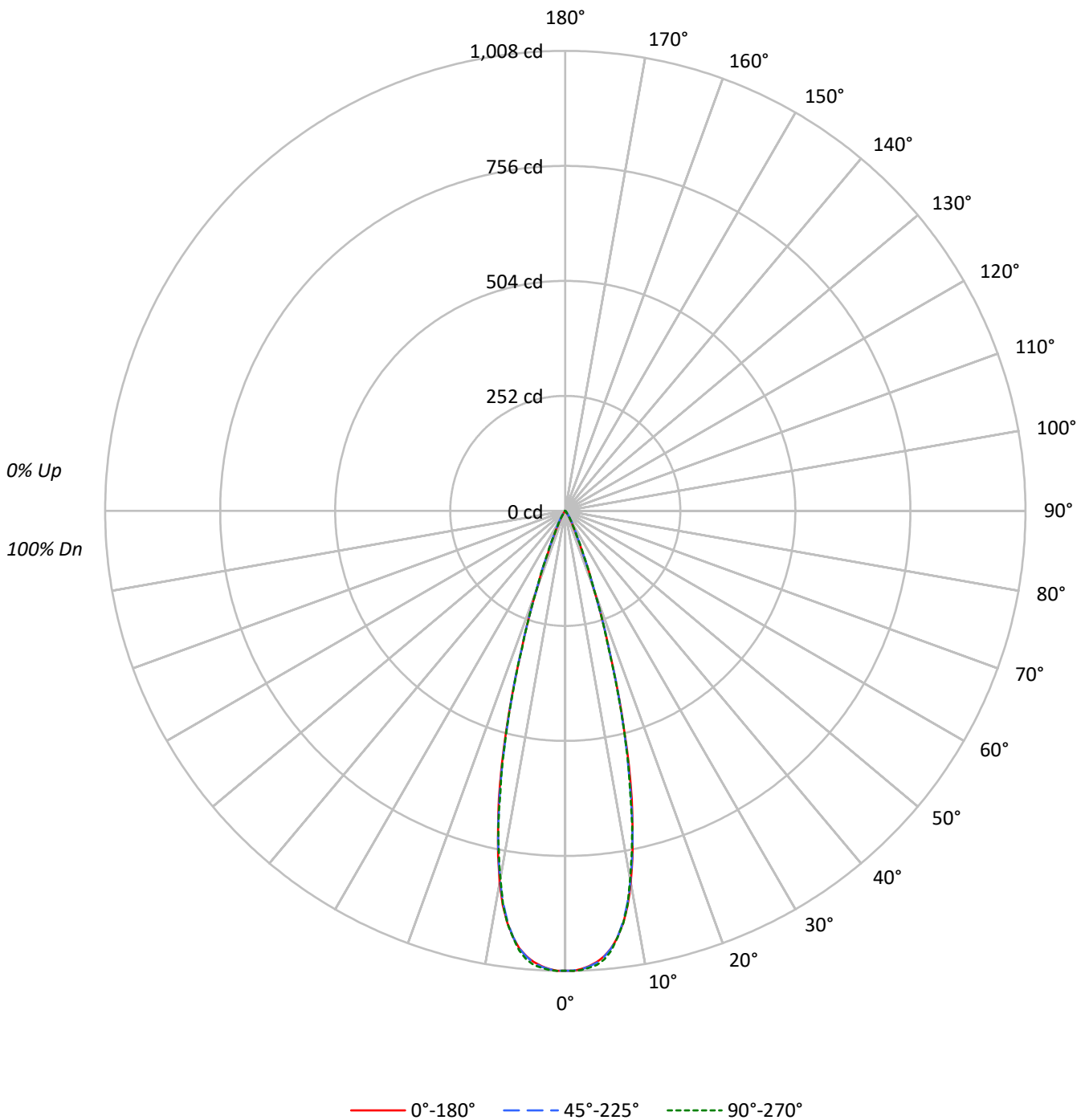
Test Method: LM-79-2019  
Report Number: P1320765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R30B2750DE010 3LSQCDR1MMS\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 260.0 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 94 | 94 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 91 | 91 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88 | 88 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 86 | 86 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 83 | 83 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 81  | 81 | 81 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 79 | 79 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 77 | 77 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 75 | 75 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 173532 | 173532 | 173532 |
| 5°  | 169302 | 169509 | 170460 |
| 10° | 144590 | 143926 | 143069 |
| 15° | 89238  | 88186  | 88507  |
| 20° | 33723  | 33906  | 33869  |
| 25° | 10375  | 11383  | 10832  |
| 30° | 4176   | 5310   | 4335   |
| 35° | 1240   | 2250   | 1282   |
| 40° | 495    | 899    | 495    |
| 45° | 97     | 292    | 97     |
| 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: 292 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.9   | 34.2      |
| 10°-20°   | 131.6  | 50.6      |
| 20°-30°   | 32.6   | 12.6      |
| 30°-40°   | 6.1    | 2.4       |
| 40°-50°   | 0.8    | 0.3       |
| 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°    | 253.1  | 97.3      |
| 0°-40°    | 259.2  | 99.7      |
| 0°-60°    | 260.0  | 100.0     |
| 0°-90°    | 260.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 260.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1008 | 1008  | 1008 | 1008  | 1008 |      |
| 5°  | 979  | 979   | 980  | 982   | 986  | 89   |
| 15° | 500  | 496   | 495  | 498   | 496  | 132  |
| 25° | 55   | 58    | 60   | 60    | 57   | 31   |
| 35° | 6    | 8     | 11   | 8     | 6    | 5    |
| 45° | 0    | 1     | 1    | 1     | 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°    | 1007.6 | 1007.6 | 1007.6 | 1007.6 | 1007.6 |
| 1°    | 1008.0 | 1007.2 | 1007.2 | 1006.0 | 1008.2 |
| 2°    | 1004.4 | 1003.6 | 1005.0 | 1004.0 | 1006.8 |
| 3°    | 998.9  | 997.9  | 999.9  | 1000.5 | 1002.0 |
| 4°    | 990.8  | 990.0  | 992.3  | 993.5  | 997.3  |
| 5°    | 979.3  | 978.9  | 980.5  | 982.1  | 986.0  |
| 6°    | 963.5  | 962.9  | 963.9  | 966.0  | 968.4  |
| 7°    | 940.7  | 939.5  | 940.3  | 940.7  | 941.3  |
| 8°    | 911.8  | 910.0  | 908.9  | 911.2  | 912.4  |
| 9°    | 874.6  | 872.5  | 870.3  | 869.5  | 872.3  |
| 10°   | 826.8  | 823.8  | 823.0  | 821.0  | 818.1  |
| 11°   | 771.4  | 769.0  | 768.4  | 764.8  | 763.1  |
| 12°   | 707.9  | 706.7  | 708.1  | 705.9  | 705.1  |
| 13°   | 647.1  | 639.4  | 638.4  | 634.1  | 631.9  |
| 14°   | 575.1  | 568.0  | 567.8  | 565.6  | 568.6  |
| 15°   | 500.5  | 495.6  | 494.6  | 498.5  | 496.4  |
| 17.5° | 319.1  | 322.3  | 321.5  | 319.5  | 316.1  |
| 20°   | 184.0  | 181.8  | 185.0  | 185.8  | 184.8  |
| 22.5° | 98.1   | 98.9   | 99.5   | 101.9  | 103.5  |
| 25°   | 54.6   | 58.2   | 59.9   | 59.7   | 57.0   |
| 27.5° | 34.0   | 36.2   | 39.2   | 37.2   | 35.0   |
| 30°   | 21.0   | 22.8   | 26.7   | 23.1   | 21.8   |
| 32.5° | 11.3   | 14.4   | 17.2   | 14.4   | 11.7   |
| 35°   | 5.9    | 7.7    | 10.7   | 7.9    | 6.1    |
| 37.5° | 3.8    | 4.4    | 6.9    | 4.4    | 3.8    |
| 40°   | 2.2    | 2.8    | 4.0    | 2.8    | 2.2    |
| 42.5° | 1.0    | 1.6    | 2.2    | 1.6    | 1.0    |
| 45°   | 0.4    | 0.6    | 1.2    | 0.8    | 0.4    |
| 47.5° | 0.0    | 0.2    | 0.6    | 0.2    | 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)