

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: P1320761

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQCDR1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

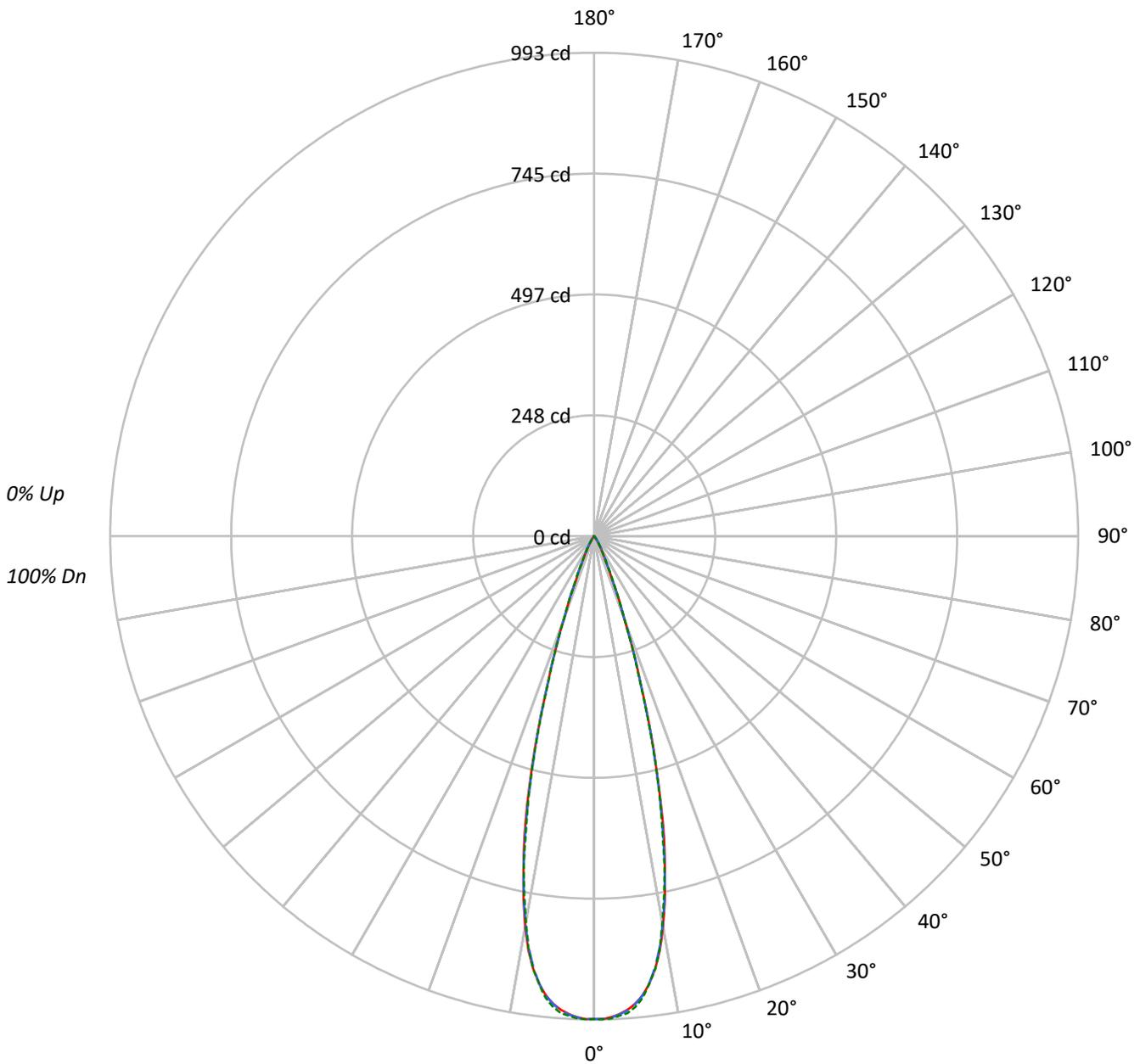
Test Method: LM-79-2019  
Report Number: P1320761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R30B2750DE010 3LSQCDR1MB\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB 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): 0.51 / 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



0% Up  
100% Dn

— 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   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 99  | 99  | 99  | 97  |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 95  | 94  | 94  | 94  |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 92  | 92  | 92  | 91  |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 89  | 89  | 89  | 88  |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 87  | 87  | 87  | 86  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 84  | 84  | 84  | 83  |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 82  | 82  | 82  | 81  |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 80  | 80  | 80  | 79  |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 78  | 78  | 78  | 77  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 76  | 76  | 76  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 170862 | 170862 | 170862 |
| 5°  | 166691 | 166899 | 167832 |
| 10° | 142369 | 141705 | 140883 |
| 15° | 87865  | 86831  | 87152  |
| 20° | 33210  | 33393  | 33356  |
| 25° | 10223  | 11193  | 10660  |
| 30° | 4117   | 5230   | 4276   |
| 35° | 1219   | 2229   | 1261   |
| 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°          | 87.5         | 34.2         |
| 10°-20°         | 129.6        | 50.6         |
| 20°-30°         | 32.1         | 12.6         |
| 30°-40°         | 6.0          | 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          |
| <b>0°-30°</b>   | <b>249.2</b> | <b>97.3</b>  |
| <b>0°-40°</b>   | <b>255.2</b> | <b>99.7</b>  |
| <b>0°-60°</b>   | <b>256.0</b> | <b>100.0</b> |
| <b>0°-90°</b>   | <b>256.0</b> | <b>100.0</b> |
| 90°-120°        | 0.0          | 0.0          |
| 90°-150°        | 0.0          | 0.0          |
| <b>90°-180°</b> | <b>0.0</b>   | <b>0.0</b>   |
| <b>0°-180°</b>  | <b>256.0</b> | <b>100.0</b> |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 992 | 992   | 992 | 992   | 992 |      |
| 5°  | 964 | 964   | 965 | 967   | 971 | 88   |
| 15° | 493 | 488   | 487 | 491   | 489 | 130  |
| 25° | 54  | 57    | 59  | 59    | 56  | 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°    | 992.1 | 992.1 | 992.1 | 992.1 | 992.1 |
| 1°    | 992.5 | 991.7 | 991.7 | 990.5 | 992.7 |
| 2°    | 988.9 | 988.1 | 989.5 | 988.5 | 991.3 |
| 3°    | 983.6 | 982.6 | 984.6 | 985.2 | 986.5 |
| 4°    | 975.6 | 974.8 | 977.0 | 978.2 | 982.0 |
| 5°    | 964.2 | 963.8 | 965.4 | 967.0 | 970.8 |
| 6°    | 948.7 | 948.1 | 949.1 | 951.1 | 953.5 |
| 7°    | 926.2 | 925.0 | 925.8 | 926.2 | 926.8 |
| 8°    | 897.7 | 896.0 | 895.0 | 897.1 | 898.3 |
| 9°    | 861.1 | 859.1 | 856.9 | 856.1 | 858.9 |
| 10°   | 814.1 | 811.1 | 810.3 | 808.4 | 805.6 |
| 11°   | 759.6 | 757.2 | 756.6 | 753.0 | 751.4 |
| 12°   | 697.1 | 695.9 | 697.3 | 695.1 | 694.3 |
| 13°   | 637.1 | 629.6 | 628.6 | 624.4 | 622.2 |
| 14°   | 566.2 | 559.3 | 559.1 | 556.9 | 559.9 |
| 15°   | 492.8 | 488.0 | 487.0 | 490.8 | 488.8 |
| 17.5° | 314.2 | 317.4 | 316.6 | 314.6 | 311.2 |
| 20°   | 181.2 | 179.0 | 182.2 | 183.0 | 182.0 |
| 22.5° | 96.6  | 97.4  | 98.0  | 100.3 | 101.9 |
| 25°   | 53.8  | 57.3  | 58.9  | 58.7  | 56.1  |
| 27.5° | 33.4  | 35.6  | 38.6  | 36.6  | 34.4  |
| 30°   | 20.7  | 22.5  | 26.3  | 22.7  | 21.5  |
| 32.5° | 11.1  | 14.1  | 16.9  | 14.1  | 11.5  |
| 35°   | 5.8   | 7.6   | 10.6  | 7.8   | 6.0   |
| 37.5° | 3.8   | 4.4   | 6.8   | 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)