

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: P1320786

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHR1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320786  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHR1MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

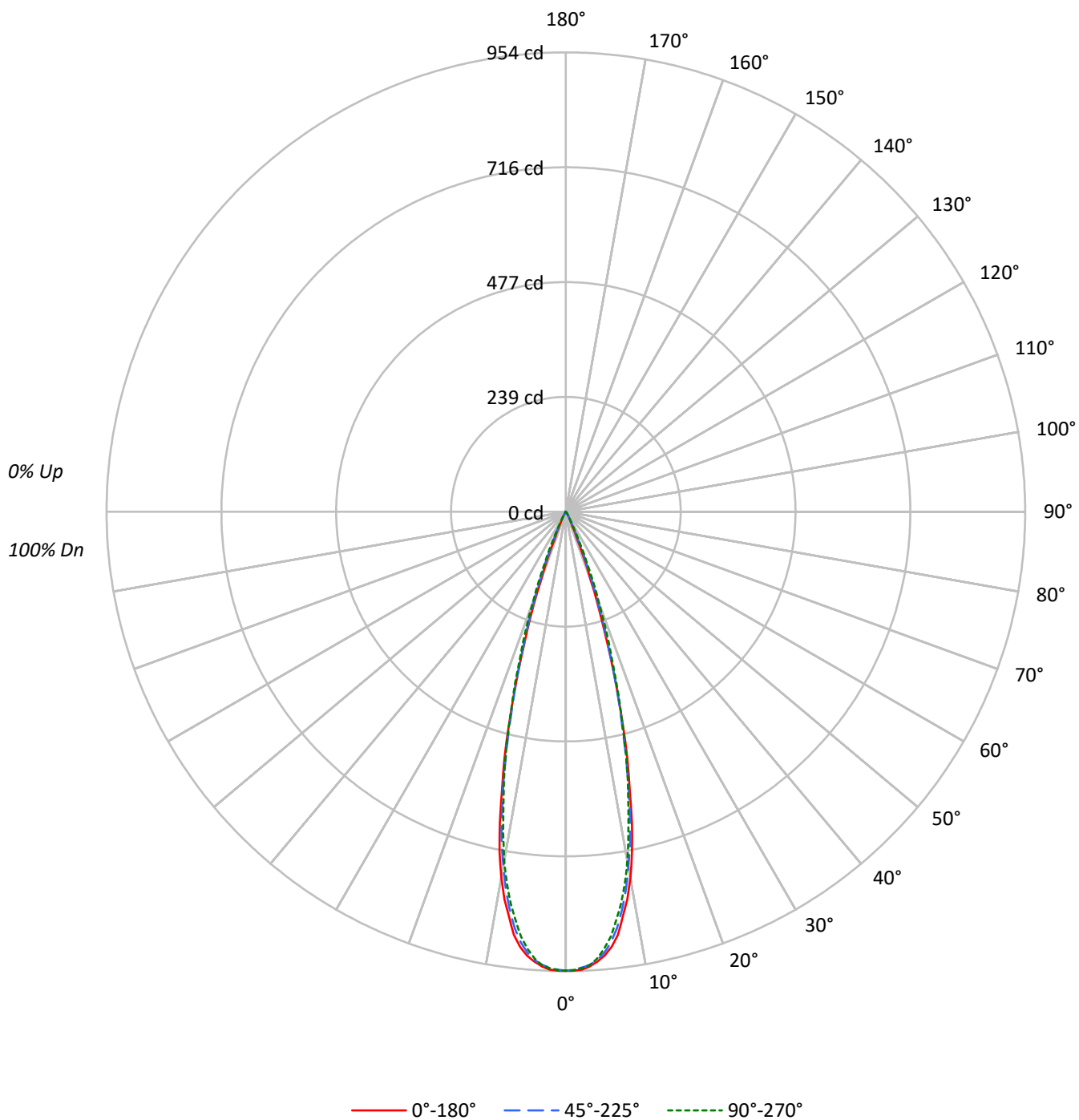
Lumens per Lamp: N/A  
Luminaire Lumens: 231.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |     |     | 0   |     |     |     | 0   |     |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 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 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 97  |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 94  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 93  | 93  | 93  | 93  | 93  | 93  | 93  | 93  | 93  | 93  | 93  | 92  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 89  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 88  | 88  | 88  | 88  | 88  | 88  | 88  | 88  | 88  | 88  | 88  | 87  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 84  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 83  | 83  | 83  | 83  | 83  | 83  | 83  | 83  | 83  | 83  | 83  | 82  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 81  | 80  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 78  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 76  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 164180 | 164180 | 164180 |
| 5°  | 159966 | 158860 | 157546 |
| 10° | 134989 | 130845 | 128729 |
| 15° | 81357  | 79075  | 80537  |
| 20° | 27601  | 31872  | 36747  |
| 25° | 5074   | 7943   | 9387   |
| 30° | 1750   | 1949   | 2188   |
| 35° | 505    | 631    | 673    |
| 40° | 135    | 225    | 180    |
| 45° | 49     | 49     | 49     |
| 50° | 54     | 0      | 54     |
| 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: 0°  
Vertical Angle: 52.5°  
Luminance: 57 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.4   | 35.7      |
| 10°-20°   | 120.5  | 52.2      |
| 20°-30°   | 25.5   | 11.0      |
| 30°-40°   | 2.4    | 1.0       |
| 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°    | 228.4  | 98.9      |
| 0°-40°    | 230.8  | 99.9      |
| 0°-60°    | 231.0  | 100.0     |
| 0°-90°    | 231.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 231.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 953 | 953   | 953 | 953   | 953 |      |
| 5°  | 925 | 924   | 919 | 916   | 911 | 84   |
| 15° | 456 | 455   | 444 | 454   | 452 | 120  |
| 25° | 27  | 30    | 42  | 49    | 49  | 19   |
| 35° | 2   | 3     | 3   | 4     | 3   | 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°    | 953.3 | 953.3 | 953.3 | 953.3 | 953.3 |
| 1°    | 953.5 | 952.5 | 951.2 | 953.1 | 951.8 |
| 2°    | 951.6 | 949.2 | 947.2 | 949.2 | 948.6 |
| 3°    | 945.6 | 943.6 | 942.2 | 943.2 | 943.2 |
| 4°    | 936.6 | 934.4 | 933.2 | 933.4 | 930.4 |
| 5°    | 925.3 | 923.5 | 918.9 | 916.1 | 911.3 |
| 6°    | 908.5 | 904.2 | 898.6 | 894.0 | 887.8 |
| 7°    | 885.8 | 879.1 | 871.1 | 863.1 | 855.4 |
| 8°    | 849.4 | 846.2 | 835.4 | 830.1 | 822.3 |
| 9°    | 815.1 | 807.4 | 795.8 | 787.1 | 782.9 |
| 10°   | 771.9 | 760.4 | 748.2 | 741.2 | 736.1 |
| 11°   | 720.7 | 709.0 | 699.2 | 689.1 | 681.1 |
| 12°   | 660.6 | 650.6 | 639.5 | 632.7 | 623.3 |
| 13°   | 589.3 | 587.9 | 575.4 | 573.2 | 572.0 |
| 14°   | 528.2 | 522.6 | 510.2 | 513.6 | 514.4 |
| 15°   | 456.3 | 454.7 | 443.5 | 453.9 | 451.7 |
| 17.5° | 285.8 | 286.4 | 293.4 | 309.7 | 314.9 |
| 20°   | 150.6 | 155.1 | 173.9 | 193.6 | 200.5 |
| 22.5° | 60.9  | 71.1  | 90.2  | 103.6 | 112.5 |
| 25°   | 26.7  | 29.9  | 41.8  | 49.2  | 49.4  |
| 27.5° | 15.1  | 15.3  | 20.1  | 20.9  | 21.3  |
| 30°   | 8.8   | 9.0   | 9.8   | 10.4  | 11.0  |
| 32.5° | 4.8   | 5.2   | 5.4   | 6.2   | 6.2   |
| 35°   | 2.4   | 3.0   | 3.0   | 3.6   | 3.2   |
| 37.5° | 1.4   | 1.6   | 1.8   | 1.8   | 1.6   |
| 40°   | 0.6   | 0.8   | 1.0   | 1.0   | 0.8   |
| 42.5° | 0.2   | 0.4   | 0.4   | 0.4   | 0.6   |
| 45°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 47.5° | 0.2   | 0.2   | 0.0   | 0.2   | 0.2   |
| 50°   | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 52.5° | 0.2   | 0.0   | 0.0   | 0.0   | 0.2   |
| 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)