

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: P1320809

Luminaire Tested: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW\_5000K

Issue Date: 1/29/2026

**Test Information**

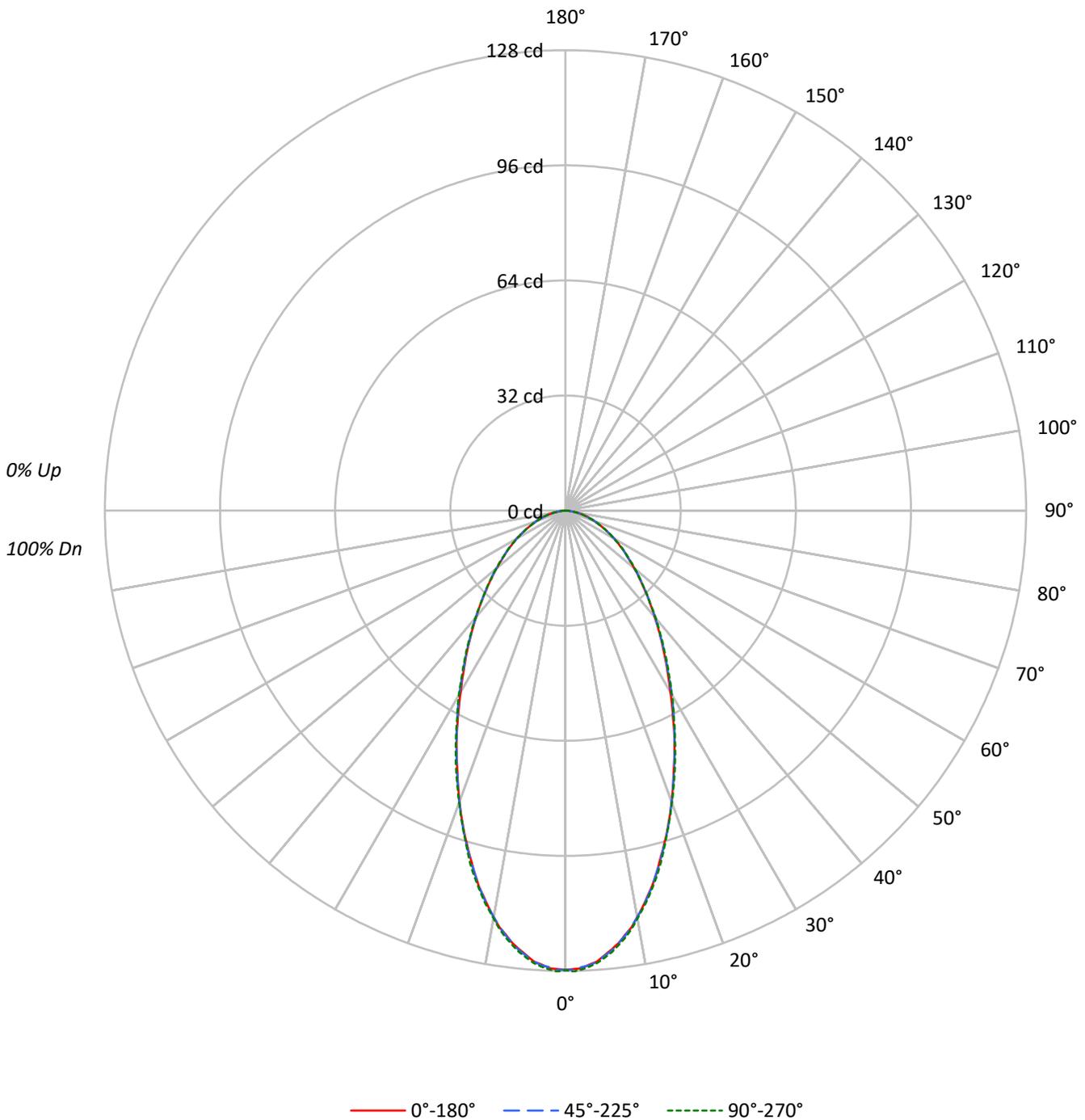
Test Method: LM-79-2019  
Report Number: P1320809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R30B2750DE010 3LSQPHRLD1MW\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 164.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  | 87  | 84  | 81  | 85  | 82  | 79  | 77  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 61  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 54  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 49  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 21993 | 21993 | 21993 |
| 5°  | 21454 | 21489 | 21575 |
| 10° | 20076 | 20076 | 20146 |
| 15° | 18008 | 18044 | 18169 |
| 20° | 15798 | 15798 | 15835 |
| 25° | 13625 | 13625 | 13701 |
| 30° | 11594 | 11733 | 11773 |
| 35° | 10008 | 10071 | 10113 |
| 40° | 8678  | 8723  | 8768  |
| 45° | 7575  | 7623  | 7623  |
| 50° | 6698  | 6698  | 6752  |
| 55° | 6005  | 6005  | 6005  |
| 60° | 5408  | 5408  | 5408  |
| 65° | 4809  | 4809  | 4809  |
| 70° | 4330  | 4330  | 4330  |
| 75° | 3926  | 3793  | 3793  |
| 80° | 3372  | 3174  | 3174  |
| 85° | 2174  | 2174  | 2174  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7623 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.6   | 7.1       |
| 10°-20°   | 28.2   | 17.2      |
| 20°-30°   | 32.9   | 20.1      |
| 30°-40°   | 30.0   | 18.3      |
| 40°-50°   | 24.2   | 14.8      |
| 50°-60°   | 17.9   | 10.9      |
| 60°-70°   | 11.8   | 7.2       |
| 70°-80°   | 6.1    | 3.7       |
| 80°-90°   | 1.4    | 0.8       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 72.7   | 44.3      |
| 0°-40°    | 102.7  | 62.6      |
| 0°-60°    | 144.8  | 88.3      |
| 0°-90°    | 164.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 164.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 128 | 128   | 128 | 128   | 128 |      |
| 5°  | 124 | 124   | 124 | 124   | 125 | 12   |
| 15° | 101 | 101   | 101 | 101   | 102 | 28   |
| 25° | 72  | 72    | 72  | 72    | 72  | 33   |
| 35° | 48  | 47    | 48  | 48    | 48  | 30   |
| 45° | 31  | 31    | 31  | 31    | 31  | 24   |
| 55° | 20  | 20    | 20  | 20    | 20  | 18   |
| 65° | 12  | 12    | 12  | 12    | 12  | 12   |
| 75° | 6   | 6     | 6   | 6     | 6   | 6    |
| 85° | 1   | 1     | 1   | 1     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 127.7 | 127.7 | 127.7 | 127.7 | 127.7 |
| 1°    | 127.5 | 127.5 | 127.7 | 127.5 | 128.2 |
| 2°    | 127.3 | 127.0 | 127.0 | 127.0 | 127.7 |
| 3°    | 126.4 | 126.4 | 126.6 | 126.4 | 127.0 |
| 4°    | 125.7 | 125.5 | 125.7 | 125.5 | 126.1 |
| 5°    | 124.1 | 124.1 | 124.3 | 124.3 | 124.8 |
| 6°    | 122.7 | 122.7 | 123.0 | 122.7 | 123.4 |
| 7°    | 121.1 | 121.1 | 121.1 | 121.1 | 121.6 |
| 8°    | 119.1 | 119.1 | 119.3 | 119.3 | 119.8 |
| 9°    | 117.3 | 117.1 | 117.1 | 117.1 | 117.7 |
| 10°   | 114.8 | 114.8 | 114.8 | 114.8 | 115.2 |
| 11°   | 112.3 | 112.3 | 112.3 | 112.3 | 112.7 |
| 12°   | 109.6 | 109.6 | 109.8 | 109.6 | 110.3 |
| 13°   | 107.1 | 107.1 | 107.1 | 107.1 | 107.5 |
| 14°   | 104.1 | 103.9 | 104.1 | 104.1 | 104.8 |
| 15°   | 101.0 | 101.2 | 101.2 | 101.2 | 101.9 |
| 17.5° | 93.7  | 93.7  | 93.9  | 93.5  | 93.9  |
| 20°   | 86.2  | 86.0  | 86.2  | 86.2  | 86.4  |
| 22.5° | 78.5  | 78.7  | 78.7  | 78.7  | 79.2  |
| 25°   | 71.7  | 71.5  | 71.7  | 71.7  | 72.1  |
| 27.5° | 64.7  | 64.9  | 65.1  | 64.9  | 65.3  |
| 30°   | 58.3  | 58.8  | 59.0  | 58.5  | 59.2  |
| 32.5° | 52.6  | 52.6  | 52.9  | 53.1  | 53.3  |
| 35°   | 47.6  | 47.4  | 47.9  | 47.9  | 48.1  |
| 37.5° | 42.9  | 42.9  | 42.9  | 43.1  | 43.3  |
| 40°   | 38.6  | 38.6  | 38.8  | 38.8  | 39.0  |
| 42.5° | 34.7  | 34.5  | 34.7  | 34.7  | 34.7  |
| 45°   | 31.1  | 31.3  | 31.3  | 31.3  | 31.3  |
| 47.5° | 27.9  | 27.9  | 28.1  | 27.9  | 28.1  |
| 50°   | 25.0  | 25.0  | 25.0  | 25.0  | 25.2  |
| 52.5° | 22.2  | 22.2  | 22.2  | 22.2  | 22.5  |
| 55°   | 20.0  | 19.7  | 20.0  | 19.7  | 20.0  |
| 57.5° | 17.7  | 17.7  | 17.7  | 17.7  | 17.7  |
| 60°   | 15.7  | 15.4  | 15.7  | 15.4  | 15.7  |
| 62.5° | 13.6  | 13.6  | 13.6  | 13.6  | 13.6  |
| 65°   | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 67.5° | 10.2  | 10.2  | 10.2  | 10.0  | 10.0  |
| 70°   | 8.6   | 8.6   | 8.6   | 8.6   | 8.6   |
| 72.5° | 7.3   | 7.0   | 7.0   | 7.0   | 7.0   |
| 75°   | 5.9   | 5.7   | 5.7   | 5.7   | 5.7   |
| 77.5° | 4.5   | 4.5   | 4.3   | 4.3   | 4.5   |
| 80°   | 3.4   | 3.2   | 3.2   | 3.2   | 3.2   |
| 82.5° | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 85°   | 1.1   | 1.1   | 1.1   | 1.1   | 1.1   |
| 87.5° | 0.2   | 0.2   | 0.2   | 0.5   | 0.5   |



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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)