

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: P1178224

Luminaire Tested: LDA2B058035R2060D010 2LBDC1MB

Issue Date: 1/17/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1178224  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/17/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDA2B058035R2060D010 2LBDC1MB  
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

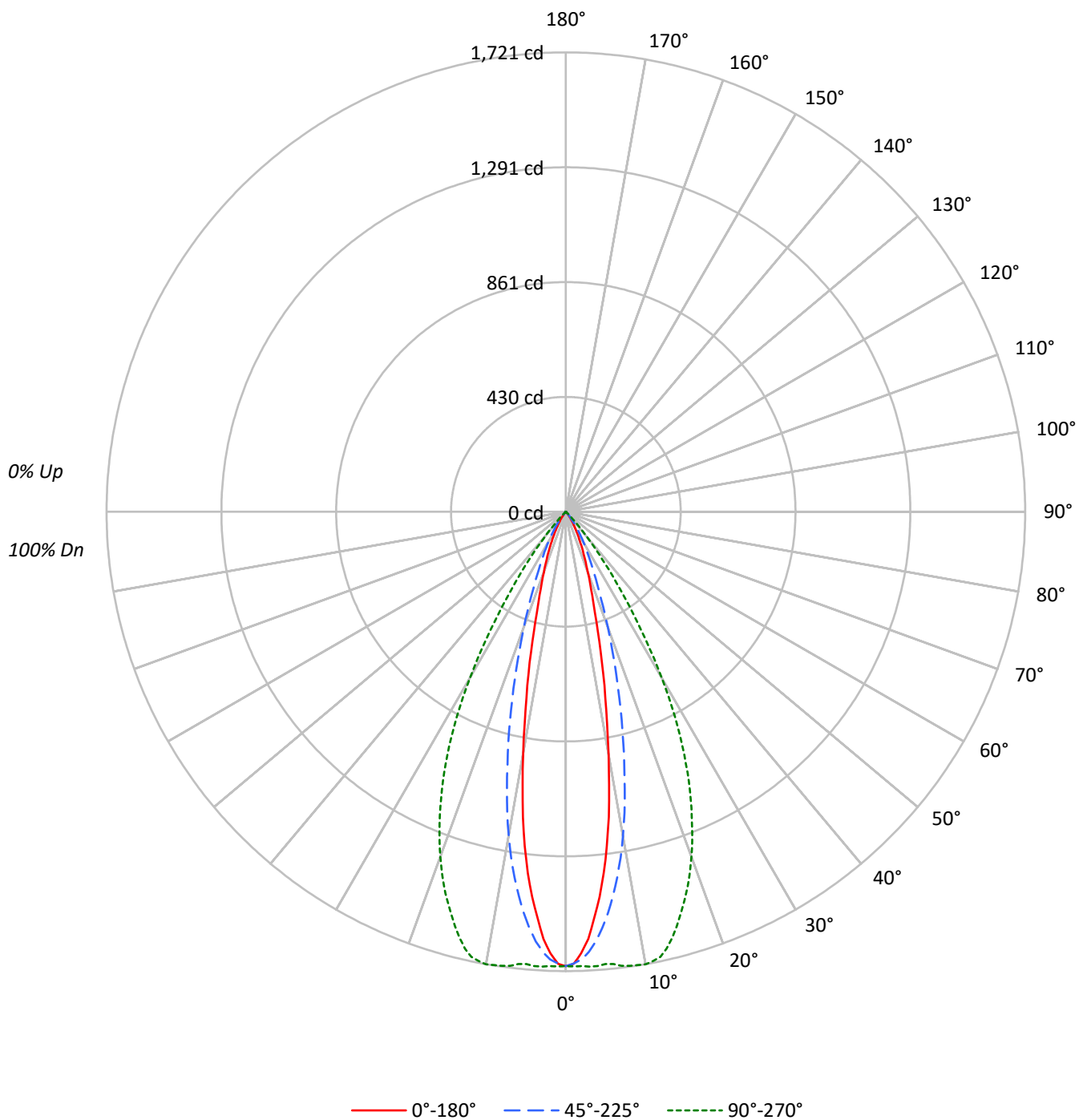
Lumens per Lamp: N/A  
Luminaire Lumens: 678.0 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7  
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  |
| 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 | 102 | 102 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97  | 97  | 95  |
| 2   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 93  | 92  | 92  | 92  | 90  |
| 3   | 105 | 100 | 96  | 92  | 103 | 99  | 95  | 92  | 96  | 93  | 90  | 94  | 91  | 89  | 91  | 89  | 87  | 87  | 87  | 86  |
| 4   | 101 | 95  | 90  | 87  | 99  | 94  | 89  | 86  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 83  | 83  | 83  | 82  |
| 5   | 97  | 90  | 85  | 82  | 96  | 89  | 85  | 81  | 88  | 84  | 81  | 86  | 83  | 80  | 85  | 82  | 79  | 79  | 79  | 78  |
| 6   | 93  | 86  | 81  | 77  | 92  | 85  | 81  | 77  | 84  | 80  | 77  | 83  | 79  | 76  | 81  | 78  | 76  | 76  | 76  | 74  |
| 7   | 90  | 82  | 77  | 74  | 89  | 81  | 77  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 72  | 72  | 72  | 71  |
| 8   | 86  | 79  | 74  | 70  | 85  | 78  | 73  | 70  | 77  | 73  | 70  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 68  |
| 9   | 83  | 75  | 70  | 67  | 82  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 72  | 69  | 66  | 66  | 66  | 65  |
| 10  | 80  | 72  | 67  | 64  | 79  | 72  | 67  | 64  | 71  | 67  | 64  | 70  | 66  | 64  | 70  | 66  | 64  | 64  | 64  | 62  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 839899 | 839899 | 839899 |
| 5°  | 717216 | 775259 | 842315 |
| 10° | 461797 | 618050 | 862374 |
| 15° | 236893 | 412239 | 820647 |
| 20° | 126531 | 240881 | 721804 |
| 25° | 70550  | 132063 | 587097 |
| 30° | 37599  | 75198  | 408977 |
| 35° | 16382  | 36257  | 213208 |
| 40° | 4766   | 10627  | 80762  |
| 45° | 1186   | 2861   | 12071  |
| 50° | 614    | 614    | 1305   |
| 55° | 688    | 688    | 688    |
| 60° | 0      | 789    | 789    |
| 65° | 0      | 934    | 934    |
| 70° | 0      | 1154   | 1154   |
| 75° | 0      | 1525   | 1525   |
| 80° | 0      | 2273   | 2273   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12071 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 140.5  | 20.7      |
| 10°-20°   | 255.8  | 37.7      |
| 20°-30°   | 193.9  | 28.6      |
| 30°-40°   | 77.6   | 11.4      |
| 40°-50°   | 7.9    | 1.2       |
| 50°-60°   | 0.8    | 0.1       |
| 60°-70°   | 0.7    | 0.1       |
| 70°-80°   | 0.7    | 0.1       |
| 80°-90°   | 0.2    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 590.2  | 87.0      |
| 0°-40°    | 667.8  | 98.5      |
| 0°-60°    | 676.4  | 99.8      |
| 0°-90°    | 678.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 678.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1702 | 1702  | 1702 | 1702  | 1702 |      |
| 5°  | 1448 | 1480  | 1565 | 1656  | 1701 | 121  |
| 15° | 464  | 538   | 807  | 1329  | 1607 | 133  |
| 25° | 130  | 151   | 243  | 693   | 1078 | 61   |
| 35° | 27   | 34    | 60   | 183   | 354  | 19   |
| 45° | 2    | 2     | 4    | 8     | 17   | 2    |
| 55° | 1    | 1     | 1    | 1     | 1    | 0    |
| 65° | 0    | 1     | 1    | 1     | 1    | 0    |
| 75° | 0    | 1     | 1    | 1     | 1    | 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°    | 1702.4 | 1702.4 | 1702.4 | 1702.4 | 1702.4 |
| 1°    | 1693.3 | 1694.1 | 1692.5 | 1695.0 | 1703.2 |
| 2°    | 1655.4 | 1667.7 | 1678.5 | 1689.2 | 1703.2 |
| 3°    | 1602.6 | 1617.4 | 1651.2 | 1685.1 | 1706.5 |
| 4°    | 1525.0 | 1555.5 | 1613.3 | 1675.2 | 1706.5 |
| 5°    | 1448.2 | 1480.4 | 1565.4 | 1656.2 | 1700.8 |
| 6°    | 1360.8 | 1407.0 | 1510.1 | 1638.0 | 1704.1 |
| 7°    | 1261.7 | 1318.7 | 1449.1 | 1626.5 | 1714.0 |
| 8°    | 1154.5 | 1218.8 | 1382.2 | 1601.7 | 1718.1 |
| 9°    | 1035.6 | 1114.0 | 1311.3 | 1572.0 | 1719.7 |
| 10°   | 921.8  | 1004.3 | 1233.7 | 1538.2 | 1721.4 |
| 11°   | 807.9  | 893.7  | 1149.5 | 1505.2 | 1714.8 |
| 12°   | 711.3  | 793.0  | 1061.2 | 1470.5 | 1704.9 |
| 13°   | 622.2  | 701.4  | 973.7  | 1429.3 | 1679.3 |
| 14°   | 539.7  | 617.3  | 889.6  | 1381.4 | 1645.5 |
| 15°   | 463.8  | 538.0  | 807.1  | 1328.6 | 1606.7 |
| 16°   | 395.3  | 464.6  | 727.8  | 1270.0 | 1563.8 |
| 17°   | 345.8  | 401.1  | 653.6  | 1208.1 | 1521.7 |
| 18°   | 307.0  | 348.2  | 583.4  | 1147.0 | 1477.1 |
| 19°   | 272.3  | 305.3  | 518.2  | 1083.5 | 1427.6 |
| 20°   | 241.0  | 270.7  | 458.8  | 1017.5 | 1374.8 |
| 21°   | 214.6  | 240.1  | 403.5  | 952.3  | 1321.2 |
| 22°   | 191.4  | 213.7  | 354.0  | 887.9  | 1262.6 |
| 23°   | 170.0  | 189.8  | 311.9  | 822.7  | 1204.0 |
| 24°   | 149.4  | 170.8  | 274.8  | 756.7  | 1142.9 |
| 25°   | 129.6  | 151.0  | 242.6  | 693.2  | 1078.5 |
| 26°   | 113.9  | 133.7  | 215.4  | 631.3  | 1011.7 |
| 27°   | 98.2   | 118.8  | 191.4  | 571.9  | 944.0  |
| 28°   | 85.8   | 104.8  | 170.0  | 514.9  | 870.6  |
| 29°   | 74.3   | 92.4   | 150.2  | 458.8  | 795.5  |
| 30°   | 66.0   | 80.0   | 132.0  | 406.0  | 717.9  |
| 32.5° | 45.4   | 53.6   | 92.4   | 285.5  | 524.0  |
| 35°   | 27.2   | 33.8   | 60.2   | 183.2  | 354.0  |
| 37.5° | 14.9   | 18.2   | 34.7   | 109.8  | 222.8  |
| 40°   | 7.4    | 9.1    | 16.5   | 53.6   | 125.4  |
| 42.5° | 3.3    | 4.1    | 7.4    | 20.6   | 53.6   |
| 45°   | 1.7    | 2.5    | 4.1    | 8.3    | 17.3   |
| 47.5° | 0.8    | 1.7    | 1.7    | 3.3    | 5.0    |
| 50°   | 0.8    | 0.8    | 0.8    | 1.7    | 1.7    |
| 52.5° | 0.8    | 0.8    | 0.8    | 1.7    | 1.7    |
| 55°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 57.5° | 0.0    | 0.8    | 0.8    | 0.8    | 0.8    |
| 60°   | 0.0    | 0.8    | 0.8    | 0.8    | 0.8    |
| 62.5° | 0.0    | 0.8    | 0.8    | 0.8    | 0.8    |
| 65°   | 0.0    | 0.8    | 0.8    | 0.8    | 0.8    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 22.5° | 45° | 67.5° | 90° |
|-------|-----|-------|-----|-------|-----|
| 67.5° | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 |
| 70°   | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 |
| 72.5° | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 |
| 75°   | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 |
| 77.5° | 0.0 | 0.8   | 0.8 | 0.8   | 0.8 |
| 80°   | 0.0 | 0.0   | 0.8 | 0.8   | 0.8 |
| 82.5° | 0.0 | 0.0   | 0.8 | 0.8   | 0.8 |
| 85°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 87.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 90°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)