

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: P1179076

Luminaire Tested: LDA2B109727R2060D010 2LBD1WH

Issue Date: 1/17/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1179076  
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: LDA2B109727R2060D010 2LBD1WH  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

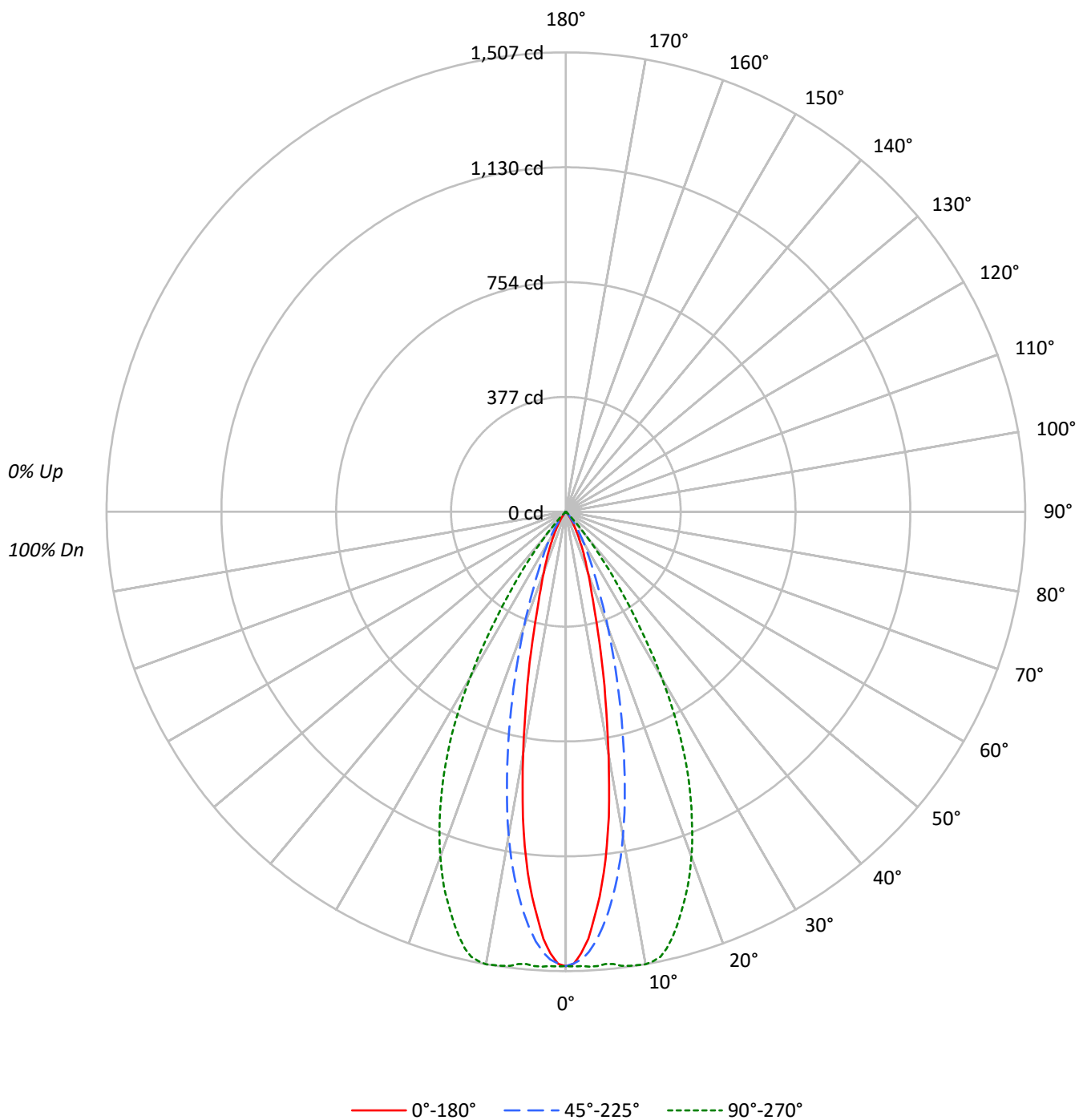
Lumens per Lamp: N/A  
Luminaire Lumens: 593.7 lumens  
Efficiency: N/A  
Efficacy: 59.4 lumens/watt  
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 10  
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

TEST NUMBER: P1179076

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WH

### Luminous Intensity Polar Plot



TEST NUMBER: P1179076

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WH

**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°  | 735504 | 735504 | 735504 |
| 5°  | 628071 | 678884 | 737620 |
| 10° | 404385 | 541201 | 755166 |
| 15° | 207422 | 360958 | 718647 |
| 20° | 110780 | 210955 | 632077 |
| 25° | 61785  | 115677 | 514152 |
| 30° | 32928  | 65856  | 358161 |
| 35° | 14334  | 31801  | 186708 |
| 40° | 4186   | 9339   | 70715  |
| 45° | 977    | 2512   | 10605  |
| 50° | 537    | 537    | 1075   |
| 55° | 602    | 602    | 602    |
| 60° | 0      | 691    | 691    |
| 65° | 0      | 817    | 817    |
| 70° | 0      | 1010   | 1010   |
| 75° | 0      | 1334   | 1334   |
| 80° | 0      | 1989   | 1989   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10605 cd/sqm

TEST NUMBER: P1179076

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 123.0  | 20.7      |
| 10°-20°   | 224.0  | 37.7      |
| 20°-30°   | 169.8  | 28.6      |
| 30°-40°   | 67.9   | 11.4      |
| 40°-50°   | 6.9    | 1.2       |
| 50°-60°   | 0.7    | 0.1       |
| 60°-70°   | 0.6    | 0.1       |
| 70°-80°   | 0.6    | 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       |
| 0°-30°    | 516.8  | 87.0      |
| 0°-40°    | 584.8  | 98.5      |
| 0°-60°    | 592.3  | 99.8      |
| 0°-90°    | 593.7  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 593.7  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1491 | 1491  | 1491 | 1491  | 1491 |      |
| 5°  | 1268 | 1296  | 1371 | 1450  | 1489 | 106  |
| 15° | 406  | 471   | 707  | 1163  | 1407 | 116  |
| 25° | 114  | 132   | 212  | 607   | 944  | 54   |
| 35° | 24   | 30    | 53   | 160   | 310  | 16   |
| 45° | 1    | 2     | 4    | 7     | 15   | 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    |

TEST NUMBER: P1179076

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1490.8 | 1490.8 | 1490.8 | 1490.8 | 1490.8 |
| 1°    | 1482.9 | 1483.6 | 1482.1 | 1484.3 | 1491.5 |
| 2°    | 1449.6 | 1460.5 | 1469.8 | 1479.2 | 1491.5 |
| 3°    | 1403.4 | 1416.4 | 1446.0 | 1475.6 | 1494.4 |
| 4°    | 1335.4 | 1362.2 | 1412.8 | 1467.0 | 1494.4 |
| 5°    | 1268.2 | 1296.4 | 1370.8 | 1450.3 | 1489.4 |
| 6°    | 1191.6 | 1232.1 | 1322.4 | 1434.4 | 1492.2 |
| 7°    | 1104.9 | 1154.8 | 1269.0 | 1424.3 | 1500.9 |
| 8°    | 1011.0 | 1067.3 | 1210.4 | 1402.6 | 1504.5 |
| 9°    | 906.9  | 975.6  | 1148.3 | 1376.6 | 1506.0 |
| 10°   | 807.2  | 879.5  | 1080.3 | 1347.0 | 1507.4 |
| 11°   | 707.5  | 782.6  | 1006.6 | 1318.1 | 1501.6 |
| 12°   | 622.9  | 694.5  | 929.3  | 1287.7 | 1493.0 |
| 13°   | 544.9  | 614.2  | 852.7  | 1251.6 | 1470.6 |
| 14°   | 472.6  | 540.5  | 779.0  | 1209.7 | 1440.9 |
| 15°   | 406.1  | 471.2  | 706.7  | 1163.4 | 1407.0 |
| 16°   | 346.1  | 406.8  | 637.4  | 1112.1 | 1369.4 |
| 17°   | 302.8  | 351.2  | 572.3  | 1057.9 | 1332.5 |
| 18°   | 268.8  | 305.0  | 510.9  | 1004.5 | 1293.5 |
| 19°   | 238.5  | 267.4  | 453.8  | 948.8  | 1250.2 |
| 20°   | 211.0  | 237.0  | 401.8  | 891.0  | 1203.9 |
| 21°   | 187.9  | 210.3  | 353.4  | 833.9  | 1156.9 |
| 22°   | 167.7  | 187.2  | 310.0  | 777.6  | 1105.6 |
| 23°   | 148.9  | 166.2  | 273.2  | 720.5  | 1054.3 |
| 24°   | 130.8  | 149.6  | 240.6  | 662.7  | 1000.9 |
| 25°   | 113.5  | 132.2  | 212.5  | 607.0  | 944.5  |
| 26°   | 99.7   | 117.1  | 188.6  | 552.8  | 886.0  |
| 27°   | 86.0   | 104.1  | 167.7  | 500.8  | 826.7  |
| 28°   | 75.2   | 91.8   | 148.9  | 450.9  | 762.4  |
| 29°   | 65.0   | 80.9   | 131.5  | 401.8  | 696.6  |
| 30°   | 57.8   | 70.1   | 115.6  | 355.5  | 628.7  |
| 32.5° | 39.7   | 47.0   | 80.9   | 250.0  | 458.9  |
| 35°   | 23.8   | 29.6   | 52.8   | 160.4  | 310.0  |
| 37.5° | 13.0   | 15.9   | 30.4   | 96.1   | 195.1  |
| 40°   | 6.5    | 7.9    | 14.5   | 47.0   | 109.8  |
| 42.5° | 2.9    | 3.6    | 6.5    | 18.1   | 47.0   |
| 45°   | 1.4    | 2.2    | 3.6    | 7.2    | 15.2   |
| 47.5° | 0.7    | 1.4    | 1.4    | 2.9    | 4.3    |
| 50°   | 0.7    | 0.7    | 0.7    | 1.4    | 1.4    |
| 52.5° | 0.7    | 0.7    | 0.7    | 1.4    | 1.4    |
| 55°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 57.5° | 0.0    | 0.7    | 0.7    | 0.7    | 0.7    |
| 60°   | 0.0    | 0.7    | 0.7    | 0.7    | 0.7    |
| 62.5° | 0.0    | 0.7    | 0.7    | 0.7    | 0.7    |
| 65°   | 0.0    | 0.7    | 0.7    | 0.7    | 0.7    |



TEST NUMBER: P1179076

CATALOG NUMBER: LDA2B109727R2060D010 2LBD1WH

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 22.5° | 45° | 67.5° | 90° |
|-------|-----|-------|-----|-------|-----|
| 67.5° | 0.0 | 0.7   | 0.7 | 0.7   | 0.7 |
| 70°   | 0.0 | 0.7   | 0.7 | 0.7   | 0.7 |
| 72.5° | 0.0 | 0.7   | 0.7 | 0.7   | 0.7 |
| 75°   | 0.0 | 0.7   | 0.7 | 0.7   | 0.7 |
| 77.5° | 0.0 | 0.7   | 0.7 | 0.7   | 0.7 |
| 80°   | 0.0 | 0.0   | 0.7 | 0.7   | 0.7 |
| 82.5° | 0.0 | 0.0   | 0.7 | 0.7   | 0.7 |
| 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)