

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: P1178695

Luminaire Tested: LDA2B108035R2040D010 2LBD1B

Issue Date: 1/17/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1178695  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/17/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDA2B108035R2040D010 2LBD1B  
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

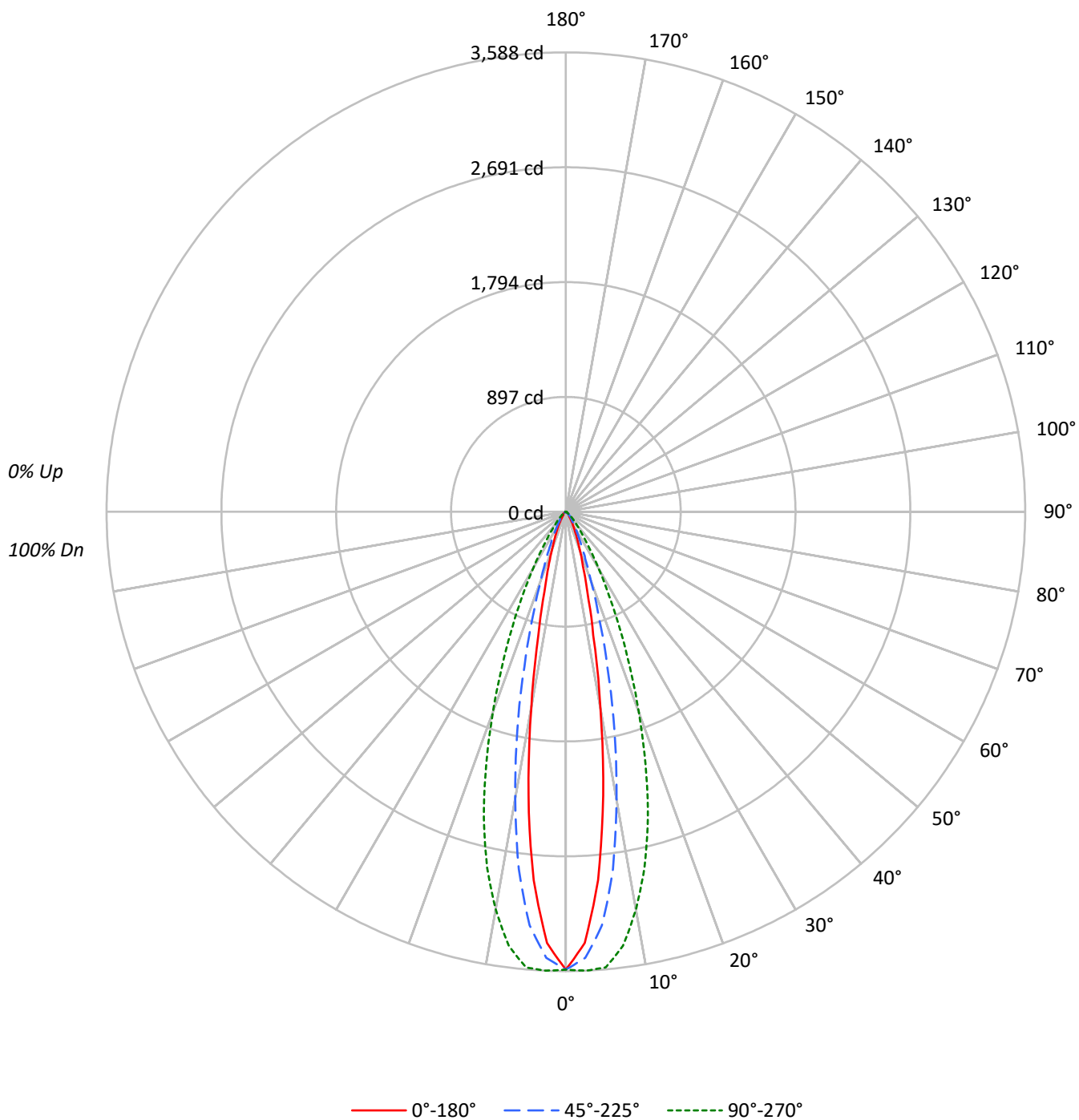
Lumens per Lamp: N/A  
Luminaire Lumens: 1007.9 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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

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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  | 94  | 92  | 92  | 92  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 88  | 88  | 87  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 84  | 84  | 83  |
| 5   | 98  | 91  | 86  | 83  | 97  | 90  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 81  | 86  | 83  | 81  | 81  | 81  | 79  |
| 6   | 94  | 87  | 83  | 79  | 93  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 77  | 77  | 77  | 76  |
| 7   | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 75  | 82  | 78  | 75  | 81  | 77  | 75  | 80  | 77  | 74  | 74  | 74  | 73  |
| 8   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 72  | 79  | 75  | 72  | 78  | 75  | 72  | 77  | 74  | 72  | 72  | 72  | 70  |
| 9   | 85  | 78  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 68  |
| 10  | 83  | 75  | 70  | 67  | 82  | 75  | 70  | 67  | 74  | 70  | 67  | 73  | 70  | 67  | 73  | 69  | 67  | 67  | 67  | 66  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1764212 | 1764212 | 1764212 |
| 5°  | 1430024 | 1606133 | 1768822 |
| 10° | 777510  | 1140364 | 1579517 |
| 15° | 328831  | 639938  | 1264298 |
| 20° | 167850  | 300892  | 874219  |
| 25° | 92923   | 153946  | 532824  |
| 30° | 52069   | 85510   | 290596  |
| 35° | 30114   | 51736   | 148041  |
| 40° | 22413   | 39222   | 81922   |
| 45° | 19745   | 26583   | 48561   |
| 50° | 20877   | 17500   | 25866   |
| 55° | 14967   | 12128   | 14020   |
| 60° | 9670    | 8584    | 8584    |
| 65° | 7588    | 7588    | 7588    |
| 70° | 6347    | 6347    | 6347    |
| 75° | 6290    | 6290    | 6290    |
| 80° | 6251    | 6251    | 6251    |
| 85° | 6227    | 6227    | 6227    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48561 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 278.6  | 27.6      |
| 10°-20°   | 394.0  | 39.1      |
| 20°-30°   | 203.0  | 20.1      |
| 30°-40°   | 74.7   | 7.4       |
| 40°-50°   | 32.8   | 3.3       |
| 50°-60°   | 14.4   | 1.4       |
| 60°-70°   | 6.3    | 0.6       |
| 70°-80°   | 3.2    | 0.3       |
| 80°-90°   | 0.9    | 0.1       |
| 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°    | 875.6  | 86.9      |
| 0°-40°    | 950.3  | 94.3      |
| 0°-60°    | 997.5  | 99.0      |
| 0°-90°    | 1007.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1007.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3576 | 3576  | 3576 | 3576  | 3576 |      |
| 5°  | 2888 | 2985  | 3243 | 3473  | 3572 | 232  |
| 15° | 644  | 748   | 1253 | 2090  | 2475 | 197  |
| 25° | 171  | 191   | 283  | 649   | 979  | 82   |
| 35° | 50   | 58    | 86   | 150   | 246  | 34   |
| 45° | 28   | 33    | 38   | 46    | 70   | 23   |
| 55° | 17   | 15    | 14   | 15    | 16   | 16   |
| 65° | 6    | 6     | 6    | 5     | 6    | 7    |
| 75° | 3    | 3     | 3    | 3     | 3    | 3    |
| 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°    | 3575.9 | 3575.9 | 3575.9 | 3575.9 | 3575.9 |
| 2.5°  | 3371.5 | 3411.7 | 3486.8 | 3558.5 | 3587.9 |
| 5°    | 2887.5 | 2985.4 | 3243.1 | 3472.6 | 3571.6 |
| 7.5°  | 2236.0 | 2397.0 | 2814.6 | 3244.2 | 3420.4 |
| 10°   | 1552.0 | 1715.1 | 2276.3 | 2894.0 | 3152.9 |
| 12.5° | 989.7  | 1148.5 | 1754.3 | 2505.8 | 2841.8 |
| 15°   | 643.8  | 748.2  | 1252.9 | 2090.3 | 2475.3 |
| 17.5° | 447.0  | 520.9  | 852.7  | 1649.8 | 2069.6 |
| 20°   | 319.7  | 371.9  | 573.1  | 1258.3 | 1665.1 |
| 22.5° | 231.7  | 267.5  | 398.1  | 919.0  | 1294.2 |
| 25°   | 170.7  | 191.4  | 282.8  | 649.3  | 978.8  |
| 27.5° | 126.2  | 139.2  | 204.5  | 448.1  | 715.6  |
| 30°   | 91.4   | 102.2  | 150.1  | 307.8  | 510.1  |
| 32.5° | 66.3   | 76.1   | 112.0  | 213.2  | 355.6  |
| 35°   | 50.0   | 57.6   | 85.9   | 150.1  | 245.8  |
| 37.5° | 41.3   | 45.7   | 70.7   | 108.8  | 174.0  |
| 40°   | 34.8   | 39.2   | 60.9   | 80.5   | 127.2  |
| 42.5° | 30.5   | 35.9   | 50.0   | 59.8   | 95.7   |
| 45°   | 28.3   | 32.6   | 38.1   | 45.7   | 69.6   |
| 47.5° | 28.3   | 27.2   | 29.4   | 34.8   | 48.9   |
| 50°   | 27.2   | 22.8   | 22.8   | 27.2   | 33.7   |
| 52.5° | 22.8   | 18.5   | 18.5   | 19.6   | 22.8   |
| 55°   | 17.4   | 15.2   | 14.1   | 15.2   | 16.3   |
| 57.5° | 13.1   | 13.1   | 12.0   | 10.9   | 12.0   |
| 60°   | 9.8    | 9.8    | 8.7    | 8.7    | 8.7    |
| 62.5° | 7.6    | 7.6    | 7.6    | 6.5    | 7.6    |
| 65°   | 6.5    | 6.5    | 6.5    | 5.4    | 6.5    |
| 67.5° | 5.4    | 5.4    | 4.4    | 5.4    | 5.4    |
| 70°   | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    |
| 72.5° | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    |
| 75°   | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    |
| 77.5° | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    |
| 80°   | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    |
| 82.5° | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 85°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 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)