

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: P1179766

Luminaire Tested: LDA2B208040R2060D010 2LBD1GPH

Issue Date: 1/17/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1179766  
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: LDA2B208040R2060D010 2LBD1GPH  
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

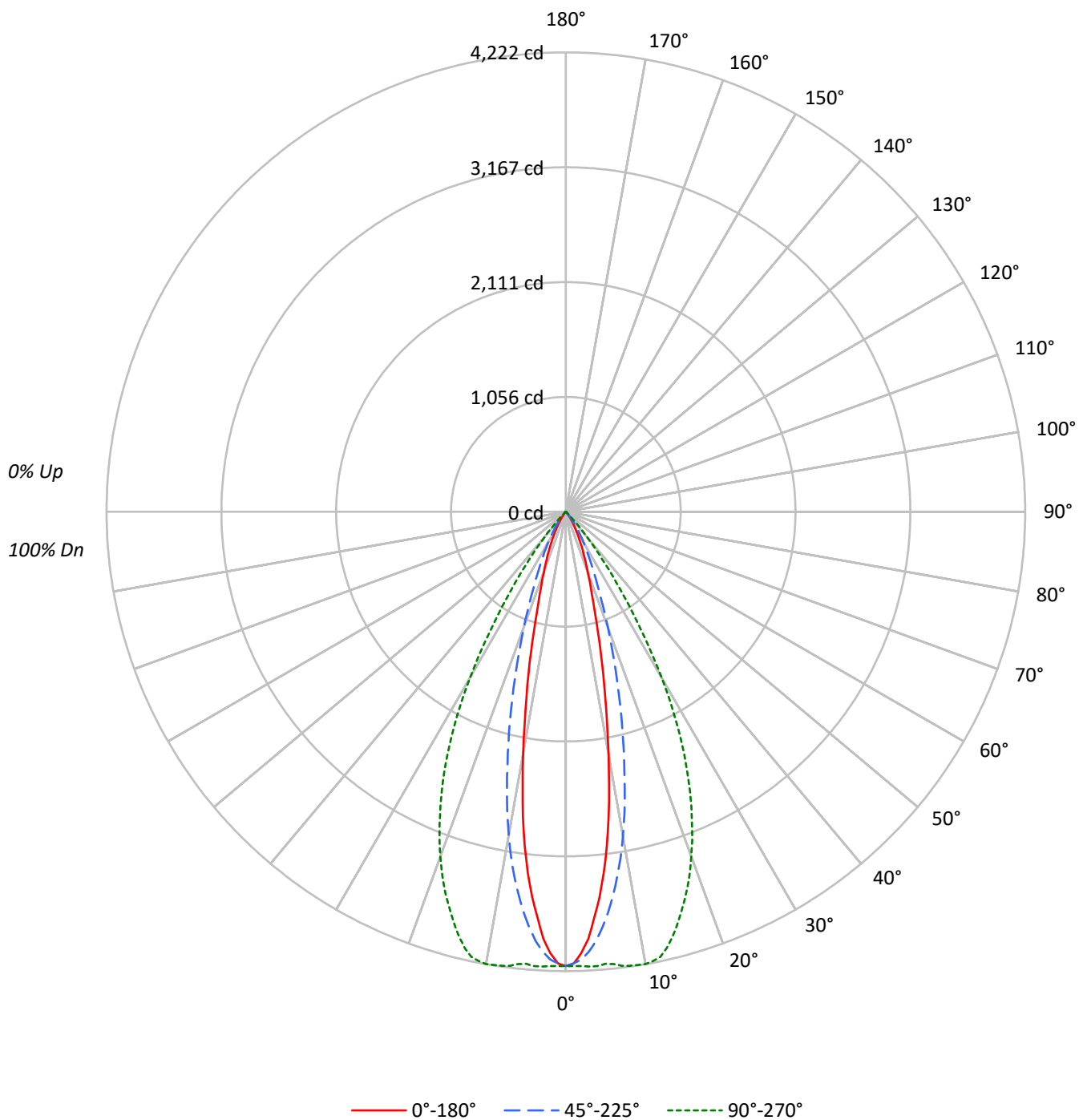
Lumens per Lamp: N/A  
Luminaire Lumens: 1662.9 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.6  
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  | 82  | 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°  | 2059835 | 2059835 | 2059835 |
| 5°  | 1759016 | 1901350 | 2065722 |
| 10° | 1132499 | 1515743 | 2114956 |
| 15° | 580945  | 1010959 | 2012621 |
| 20° | 310290  | 590758  | 1770226 |
| 25° | 172945  | 323897  | 1439899 |
| 30° | 92232   | 184464  | 1003045 |
| 35° | 40233   | 88957   | 522903  |
| 40° | 11721   | 26084   | 198106  |
| 45° | 2791    | 7047    | 29653   |
| 50° | 1535    | 1535    | 3070    |
| 55° | 1720    | 1720    | 1720    |
| 60° | 0       | 1973    | 1973    |
| 65° | 0       | 2335    | 2335    |
| 70° | 0       | 2885    | 2885    |
| 75° | 0       | 3812    | 3812    |
| 80° | 0       | 5682    | 5682    |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 29653 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 344.6  | 20.7      |
| 10°-20°   | 627.3  | 37.7      |
| 20°-30°   | 475.5  | 28.6      |
| 30°-40°   | 190.2  | 11.4      |
| 40°-50°   | 19.3   | 1.2       |
| 50°-60°   | 2.0    | 0.1       |
| 60°-70°   | 1.7    | 0.1       |
| 70°-80°   | 1.8    | 0.1       |
| 80°-90°   | 0.5    | 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°    | 1447.4 | 87.0      |
| 0°-40°    | 1637.7 | 98.5      |
| 0°-60°    | 1658.9 | 99.8      |
| 0°-90°    | 1662.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1662.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4175 | 4175  | 4175 | 4175  | 4175 |      |
| 5°  | 3552 | 3631  | 3839 | 4062  | 4171 | 297  |
| 15° | 1137 | 1320  | 1979 | 3258  | 3940 | 326  |
| 25° | 318  | 370   | 595  | 1700  | 2645 | 151  |
| 35° | 67   | 83    | 148  | 449   | 868  | 46   |
| 45° | 4    | 6     | 10   | 20    | 42   | 5    |
| 55° | 2    | 2     | 2    | 2     | 2    | 1    |
| 65° | 0    | 2     | 2    | 2     | 2    | 0    |
| 75° | 0    | 2     | 2    | 2     | 2    | 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°    | 4175.1 | 4175.1 | 4175.1 | 4175.1 | 4175.1 |
| 1°    | 4152.9 | 4154.9 | 4150.9 | 4156.9 | 4177.2 |
| 2°    | 4059.8 | 4090.1 | 4116.5 | 4142.8 | 4177.2 |
| 3°    | 3930.3 | 3966.7 | 4049.7 | 4132.6 | 4185.3 |
| 4°    | 3740.0 | 3814.9 | 3956.6 | 4108.4 | 4185.3 |
| 5°    | 3551.8 | 3630.7 | 3839.2 | 4061.8 | 4171.1 |
| 6°    | 3337.3 | 3450.6 | 3703.6 | 4017.3 | 4179.2 |
| 7°    | 3094.4 | 3234.1 | 3553.8 | 3989.0 | 4203.5 |
| 8°    | 2831.3 | 2989.2 | 3389.9 | 3928.2 | 4213.6 |
| 9°    | 2539.9 | 2732.2 | 3215.9 | 3855.4 | 4217.6 |
| 10°   | 2260.6 | 2463.0 | 3025.6 | 3772.4 | 4221.7 |
| 11°   | 1981.3 | 2191.8 | 2819.2 | 3691.5 | 4205.5 |
| 12°   | 1744.5 | 1944.9 | 2602.6 | 3606.5 | 4181.2 |
| 13°   | 1526.0 | 1720.3 | 2388.1 | 3505.3 | 4118.5 |
| 14°   | 1323.6 | 1513.8 | 2181.7 | 3387.9 | 4035.5 |
| 15°   | 1137.4 | 1319.5 | 1979.3 | 3258.4 | 3940.4 |
| 16°   | 969.4  | 1139.4 | 1785.0 | 3114.7 | 3835.1 |
| 17°   | 848.0  | 983.6  | 1602.9 | 2962.9 | 3731.9 |
| 18°   | 752.9  | 854.1  | 1430.8 | 2813.1 | 3622.6 |
| 19°   | 667.9  | 748.8  | 1271.0 | 2657.3 | 3501.2 |
| 20°   | 591.0  | 663.8  | 1125.2 | 2495.4 | 3371.7 |
| 21°   | 526.2  | 588.9  | 989.6  | 2335.5 | 3240.1 |
| 22°   | 469.5  | 524.2  | 868.2  | 2177.6 | 3096.5 |
| 23°   | 416.9  | 465.5  | 765.0  | 2017.8 | 2952.8 |
| 24°   | 366.3  | 418.9  | 673.9  | 1855.8 | 2803.0 |
| 25°   | 317.7  | 370.4  | 595.0  | 1700.0 | 2645.1 |
| 26°   | 279.3  | 327.9  | 528.2  | 1548.2 | 2481.2 |
| 27°   | 240.8  | 291.4  | 469.5  | 1402.5 | 2315.3 |
| 28°   | 210.5  | 257.0  | 416.9  | 1262.9 | 2135.1 |
| 29°   | 182.1  | 226.7  | 368.3  | 1125.2 | 1951.0 |
| 30°   | 161.9  | 196.3  | 323.8  | 995.7  | 1760.7 |
| 32.5° | 111.3  | 131.5  | 226.7  | 700.2  | 1285.1 |
| 35°   | 66.8   | 83.0   | 147.7  | 449.3  | 868.2  |
| 37.5° | 36.4   | 44.5   | 85.0   | 269.2  | 546.4  |
| 40°   | 18.2   | 22.3   | 40.5   | 131.5  | 307.6  |
| 42.5° | 8.1    | 10.1   | 18.2   | 50.6   | 131.5  |
| 45°   | 4.0    | 6.1    | 10.1   | 20.2   | 42.5   |
| 47.5° | 2.0    | 4.0    | 4.0    | 8.1    | 12.1   |
| 50°   | 2.0    | 2.0    | 2.0    | 4.0    | 4.0    |
| 52.5° | 2.0    | 2.0    | 2.0    | 4.0    | 4.0    |
| 55°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 57.5° | 0.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 60°   | 0.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 62.5° | 0.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 65°   | 0.0    | 2.0    | 2.0    | 2.0    | 2.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 22.5° | 45° | 67.5° | 90° |
|-------|-----|-------|-----|-------|-----|
| 67.5° | 0.0 | 2.0   | 2.0 | 2.0   | 2.0 |
| 70°   | 0.0 | 2.0   | 2.0 | 2.0   | 2.0 |
| 72.5° | 0.0 | 2.0   | 2.0 | 2.0   | 2.0 |
| 75°   | 0.0 | 2.0   | 2.0 | 2.0   | 2.0 |
| 77.5° | 0.0 | 2.0   | 2.0 | 2.0   | 2.0 |
| 80°   | 0.0 | 0.0   | 2.0 | 2.0   | 2.0 |
| 82.5° | 0.0 | 0.0   | 2.0 | 2.0   | 2.0 |
| 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)