

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: P1179707

Luminaire Tested: LDA2B208035R2040D010 2LBD1MMS

Issue Date: 1/17/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1179707  
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: LDA2B208035R2040D010 2LBD1MMS  
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

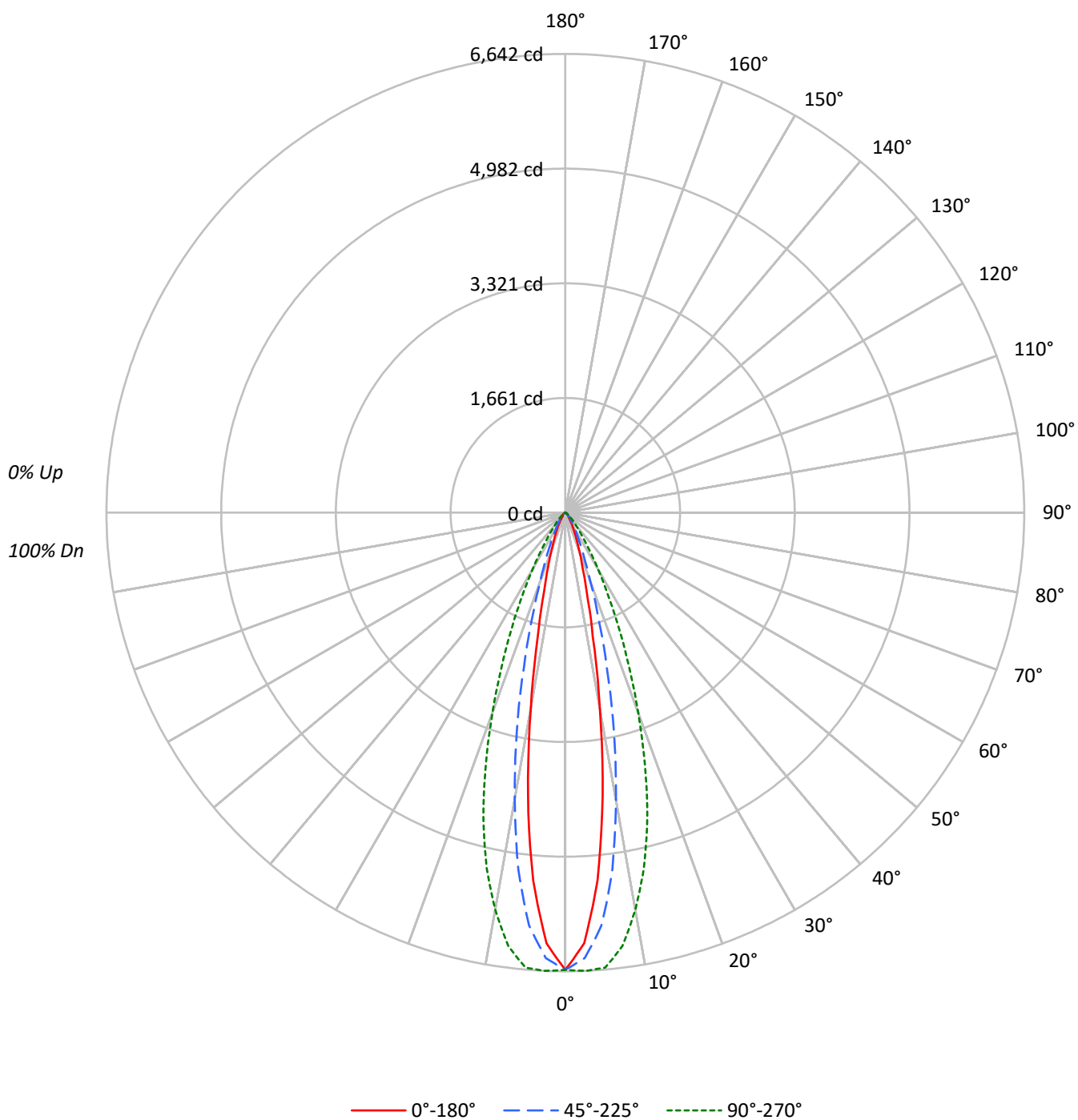
Lumens per Lamp: N/A  
Luminaire Lumens: 1865.6 lumens  
Efficiency: N/A  
Efficacy: 90.6 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  | 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  | 88  | 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°  | 3265858 | 3265858 | 3265858 |
| 5°  | 2647191 | 2973211 | 3274321 |
| 10° | 1439244 | 2110949 | 2923877 |
| 15° | 608731  | 1184619 | 2340431 |
| 20° | 310762  | 557051  | 1618283 |
| 25° | 172074  | 284920  | 986334  |
| 30° | 96334   | 158259  | 537897  |
| 35° | 55771   | 95763   | 274039  |
| 40° | 41476   | 72583   | 151671  |
| 45° | 36491   | 49189   | 89866   |
| 50° | 38607   | 32467   | 47894   |
| 55° | 27697   | 22536   | 25977   |
| 60° | 17860   | 15886   | 15886   |
| 65° | 14125   | 14125   | 14125   |
| 70° | 11684   | 11684   | 11684   |
| 75° | 11437   | 11437   | 11437   |
| 80° | 11365   | 11365   | 11365   |
| 85° | 11321   | 11321   | 11321   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 89866 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 515.8  | 27.6      |
| 10°-20°   | 729.4  | 39.1      |
| 20°-30°   | 375.7  | 20.1      |
| 30°-40°   | 138.3  | 7.4       |
| 40°-50°   | 60.7   | 3.3       |
| 50°-60°   | 26.6   | 1.4       |
| 60°-70°   | 11.7   | 0.6       |
| 70°-80°   | 5.8    | 0.3       |
| 80°-90°   | 1.6    | 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       |
| 0°-30°    | 1620.9 | 86.9      |
| 0°-40°    | 1759.1 | 94.3      |
| 0°-60°    | 1846.5 | 99.0      |
| 0°-90°    | 1865.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1865.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6620 | 6620  | 6620 | 6620  | 6620 |      |
| 5°  | 5345 | 5526  | 6004 | 6428  | 6612 | 430  |
| 15° | 1192 | 1385  | 2319 | 3870  | 4582 | 364  |
| 25° | 316  | 354   | 523  | 1202  | 1812 | 152  |
| 35° | 93   | 107   | 159  | 278   | 455  | 63   |
| 45° | 52   | 60    | 70   | 85    | 129  | 42   |
| 55° | 32   | 28    | 26   | 28    | 30   | 30   |
| 65° | 12   | 12    | 12   | 10    | 12   | 12   |
| 75° | 6    | 6     | 6    | 6     | 6    | 6    |
| 85° | 2    | 2     | 2    | 2     | 2    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 6619.6 | 6619.6 | 6619.6 | 6619.6 | 6619.6 |
| 2.5°  | 6241.1 | 6315.6 | 6454.5 | 6587.3 | 6641.7 |
| 5°    | 5345.2 | 5526.4 | 6003.5 | 6428.3 | 6611.5 |
| 7.5°  | 4139.2 | 4437.2 | 5210.3 | 6005.5 | 6331.7 |
| 10°   | 2872.9 | 3174.9 | 4213.7 | 5357.3 | 5836.4 |
| 12.5° | 1832.1 | 2126.0 | 3247.4 | 4638.5 | 5260.6 |
| 15°   | 1191.8 | 1385.1 | 2319.3 | 3869.5 | 4582.2 |
| 17.5° | 827.4  | 964.3  | 1578.4 | 3054.1 | 3831.2 |
| 20°   | 591.9  | 688.5  | 1061.0 | 2329.3 | 3082.3 |
| 22.5° | 428.8  | 495.3  | 736.8  | 1701.2 | 2395.8 |
| 25°   | 316.1  | 354.3  | 523.4  | 1201.9 | 1811.9 |
| 27.5° | 233.5  | 257.7  | 378.5  | 829.5  | 1324.7 |
| 30°   | 169.1  | 189.2  | 277.8  | 569.7  | 944.2  |
| 32.5° | 122.8  | 140.9  | 207.4  | 394.6  | 658.3  |
| 35°   | 92.6   | 106.7  | 159.0  | 277.8  | 455.0  |
| 37.5° | 76.5   | 84.6   | 130.9  | 201.3  | 322.1  |
| 40°   | 64.4   | 72.5   | 112.7  | 149.0  | 235.5  |
| 42.5° | 56.4   | 66.4   | 92.6   | 110.7  | 177.2  |
| 45°   | 52.3   | 60.4   | 70.5   | 84.6   | 128.8  |
| 47.5° | 52.3   | 50.3   | 54.4   | 64.4   | 90.6   |
| 50°   | 50.3   | 42.3   | 42.3   | 50.3   | 62.4   |
| 52.5° | 42.3   | 34.2   | 34.2   | 36.2   | 42.3   |
| 55°   | 32.2   | 28.2   | 26.2   | 28.2   | 30.2   |
| 57.5° | 24.2   | 24.2   | 22.1   | 20.1   | 22.1   |
| 60°   | 18.1   | 18.1   | 16.1   | 16.1   | 16.1   |
| 62.5° | 14.1   | 14.1   | 14.1   | 12.1   | 14.1   |
| 65°   | 12.1   | 12.1   | 12.1   | 10.1   | 12.1   |
| 67.5° | 10.1   | 10.1   | 8.1    | 10.1   | 10.1   |
| 70°   | 8.1    | 8.1    | 8.1    | 8.1    | 8.1    |
| 72.5° | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 75°   | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 77.5° | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 80°   | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 82.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 85°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 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)