

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: P1179725

Luminaire Tested: LDA2B208035R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1179725  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/17/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDA2B208035R2050D010 2LBDC1MMS  
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

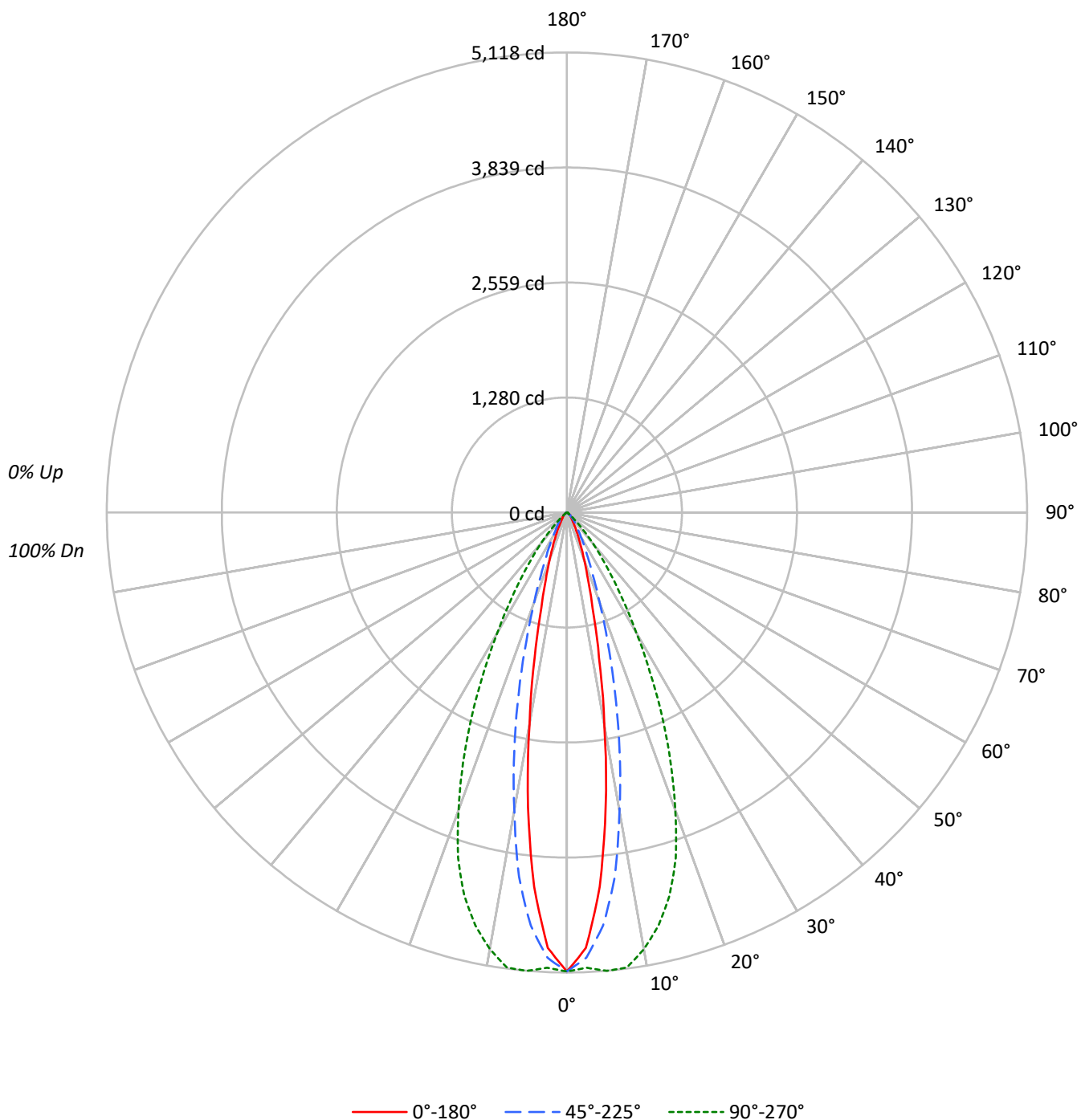
Lumens per Lamp: N/A  
Luminaire Lumens: 1835.2 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 90  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 91  | 87  | 84  |  | 89  | 85  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 80  | 86  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 6   | 92  | 85  | 80  | 76  | 91  | 84  | 79  | 76  | 83  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 7   | 89  | 81  | 76  | 72  | 88  | 80  | 75  | 72  | 79  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 8   | 85  | 77  | 72  | 69  | 84  | 77  | 72  | 69  | 76  | 71  | 68  |  | 75  | 71  | 68  |  | 74  |
| 9   | 82  | 74  | 69  | 66  | 81  | 74  | 69  | 66  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 63  |  | 69  | 65  | 62  |  | 69  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2518809 | 2518809 | 2518809 |
| 5°  | 2070823 | 2284869 | 2534770 |
| 10° | 1202034 | 1688428 | 2471298 |
| 15° | 560055  | 1051564 | 2252119 |
| 20° | 295116  | 554426  | 1851079 |
| 25° | 163418  | 300163  | 1365266 |
| 30° | 95821   | 175862  | 882955  |
| 35° | 61553   | 117987  | 523143  |
| 40° | 47981   | 79539   | 290719  |
| 45° | 41584   | 47515   | 129218  |
| 50° | 37609   | 32697   | 47357   |
| 55° | 25632   | 23826   | 21934   |
| 60° | 18945   | 16774   | 16774   |
| 65° | 14943   | 12374   | 14943   |
| 70° | 12261   | 12261   | 12261   |
| 75° | 12200   | 12200   | 12200   |
| 80° | 12217   | 12217   | 12217   |
| 85° | 11887   | 11887   | 11887   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 129218 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 406.5  | 22.2      |
| 10°-20°   | 665.6  | 36.3      |
| 20°-30°   | 444.0  | 24.2      |
| 30°-40°   | 200.2  | 10.9      |
| 40°-50°   | 73.3   | 4.0       |
| 50°-60°   | 25.6   | 1.4       |
| 60°-70°   | 12.0   | 0.7       |
| 70°-80°   | 6.3    | 0.3       |
| 80°-90°   | 1.7    | 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°    | 1516.1 | 82.6      |
| 0°-40°    | 1716.3 | 93.5      |
| 0°-60°    | 1815.2 | 98.9      |
| 0°-90°    | 1835.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1835.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5105 | 5105  | 5105 | 5105  | 5105 |      |
| 5°  | 4181 | 4311  | 4614 | 4950  | 5118 | 341  |
| 15° | 1096 | 1288  | 2059 | 3479  | 4409 | 328  |
| 25° | 300  | 349   | 551  | 1503  | 2508 | 145  |
| 35° | 102  | 115   | 196  | 424   | 869  | 68   |
| 45° | 60   | 60    | 68   | 106   | 185  | 47   |
| 55° | 30   | 28    | 28   | 23    | 26   | 28   |
| 65° | 13   | 13    | 11   | 11    | 13   | 13   |
| 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°    | 5105.4 | 5105.4 | 5105.4 | 5105.4 | 5105.4 |
| 2.5°  | 4847.8 | 4898.9 | 4958.5 | 5020.3 | 5069.3 |
| 5°    | 4181.4 | 4311.3 | 4613.6 | 4950.0 | 5118.2 |
| 7.5°  | 3306.4 | 3498.0 | 4085.6 | 4749.9 | 5105.4 |
| 10°   | 2399.4 | 2644.3 | 3370.3 | 4402.9 | 4933.0 |
| 12.5° | 1650.0 | 1879.9 | 2703.9 | 3964.3 | 4705.2 |
| 15°   | 1096.5 | 1288.1 | 2058.8 | 3478.9 | 4409.3 |
| 17.5° | 772.8  | 902.7  | 1496.7 | 2948.7 | 4028.2 |
| 20°   | 562.1  | 649.4  | 1056.0 | 2429.2 | 3525.7 |
| 22.5° | 408.8  | 474.8  | 751.6  | 1941.7 | 3016.9 |
| 25°   | 300.2  | 349.2  | 551.4  | 1503.1 | 2508.0 |
| 27.5° | 223.5  | 261.9  | 413.0  | 1141.2 | 1999.2 |
| 30°   | 168.2  | 200.1  | 308.7  | 841.0  | 1549.9 |
| 32.5° | 129.9  | 151.2  | 236.3  | 600.4  | 1173.1 |
| 35°   | 102.2  | 115.0  | 195.9  | 423.7  | 868.6  |
| 37.5° | 85.2   | 93.7   | 161.8  | 295.9  | 636.6  |
| 40°   | 74.5   | 80.9   | 123.5  | 210.8  | 451.4  |
| 42.5° | 66.0   | 70.3   | 89.4   | 151.2  | 293.8  |
| 45°   | 59.6   | 59.6   | 68.1   | 106.5  | 185.2  |
| 47.5° | 55.4   | 49.0   | 53.2   | 74.5   | 108.6  |
| 50°   | 49.0   | 40.5   | 42.6   | 51.1   | 61.7   |
| 52.5° | 38.3   | 34.1   | 34.1   | 34.1   | 36.2   |
| 55°   | 29.8   | 27.7   | 27.7   | 23.4   | 25.5   |
| 57.5° | 23.4   | 23.4   | 21.3   | 19.2   | 21.3   |
| 60°   | 19.2   | 19.2   | 17.0   | 14.9   | 17.0   |
| 62.5° | 14.9   | 14.9   | 12.8   | 12.8   | 14.9   |
| 65°   | 12.8   | 12.8   | 10.6   | 10.6   | 12.8   |
| 67.5° | 10.6   | 10.6   | 10.6   | 8.5    | 10.6   |
| 70°   | 8.5    | 8.5    | 8.5    | 8.5    | 8.5    |
| 72.5° | 6.4    | 6.4    | 8.5    | 6.4    | 6.4    |
| 75°   | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    |
| 77.5° | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 80°   | 4.3    | 4.3    | 4.3    | 4.3    | 4.3    |
| 82.5° | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 85°   | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 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)