

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: IRiS

Report Number: P#

Luminaire Tested: P3ART09R709030D2WDE010 E3CLDWW1MB

Issue Date: 5/8/2026

**Test Information**

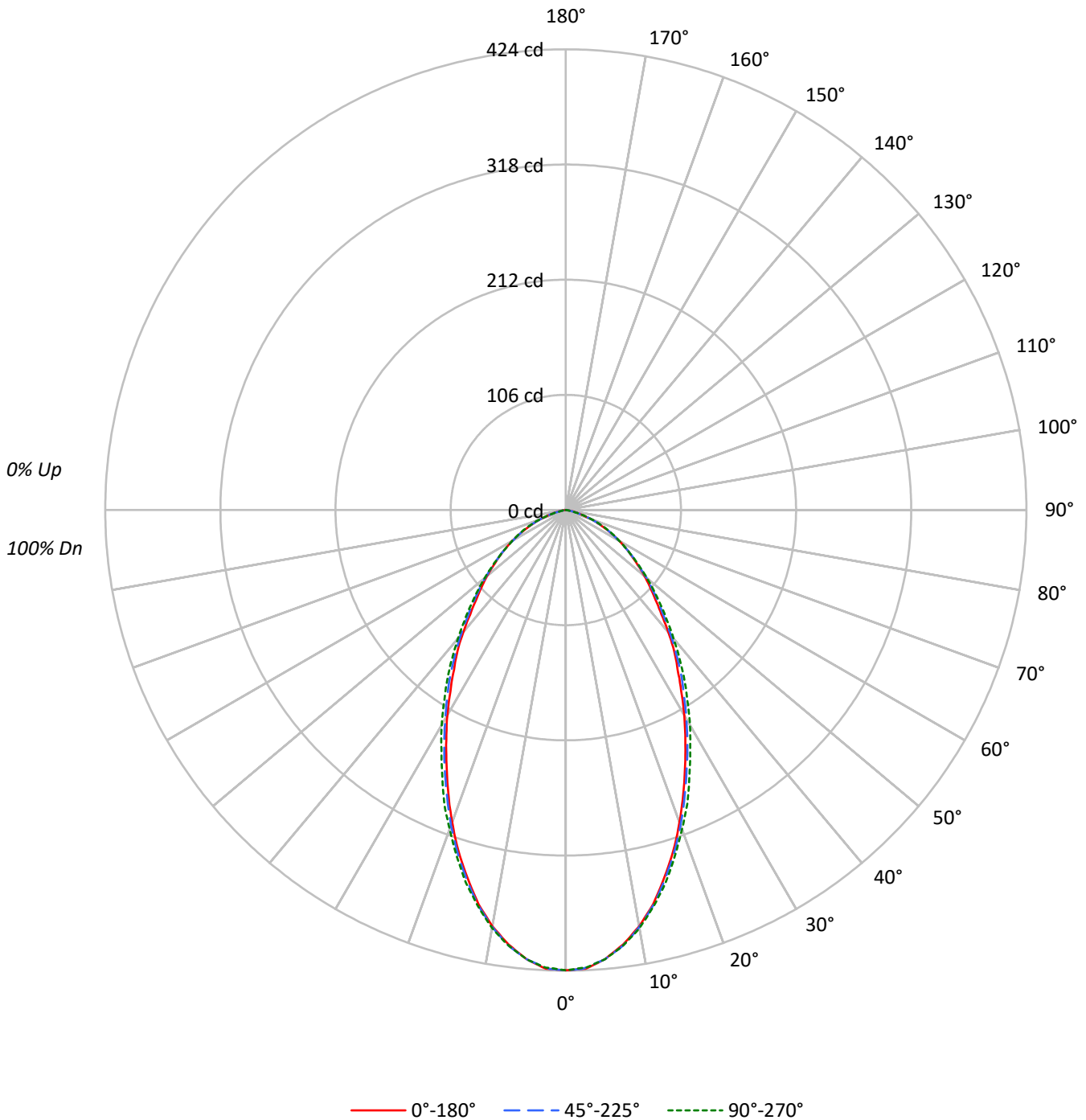
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R709030D2WDE010 E3CLDWW1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 590.0 lumens  
Efficiency: N/A  
Efficacy: 40.1 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.7  
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  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  | 97  | 95  | 94  | 94  | 92  | 91  | 89  |
| 2   | 103 | 97  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 87  | 84  | 88  | 85  | 82  | 85  | 83  | 80  | 78  |
| 3   | 96  | 87  | 81  | 75  | 94  | 86  | 80  | 75  | 83  | 78  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 69  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 61  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 57  | 66  | 61  | 57  | 55  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 50  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  | 57  | 52  | 47  | 56  | 51  | 47  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 49  | 44  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 47  | 41  | 37  | 47  | 41  | 37  | 46  | 40  | 37  | 35  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 92887 | 92887 | 92887 |
| 5°  | 91327 | 91327 | 91327 |
| 10° | 86594 | 86794 | 87017 |
| 15° | 79524 | 79955 | 80613 |
| 20° | 71383 | 72060 | 72946 |
| 25° | 62810 | 63729 | 65133 |
| 30° | 55224 | 56186 | 57908 |
| 35° | 48051 | 49603 | 50888 |
| 40° | 41993 | 43081 | 44197 |
| 45° | 36221 | 37399 | 38299 |
| 50° | 32272 | 32920 | 33261 |
| 55° | 28405 | 28788 | 28788 |
| 60° | 24954 | 24559 | 24954 |
| 65° | 20547 | 21014 | 21533 |
| 70° | 16092 | 16092 | 16734 |
| 75° | 10590 | 9828  | 9828  |
| 80° | 6061  | 4925  | 3662  |
| 85° | 2516  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 38299 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.8   | 6.6       |
| 10°-20°   | 98.4   | 16.7      |
| 20°-30°   | 121.3  | 20.6      |
| 30°-40°   | 115.6  | 19.6      |
| 40°-50°   | 93.5   | 15.9      |
| 50°-60°   | 67.4   | 11.4      |
| 60°-70°   | 40.3   | 6.8       |
| 70°-80°   | 13.5   | 2.3       |
| 80°-90°   | 1.2    | 0.2       |
| 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°    | 258.5  | 43.8      |
| 0°-40°    | 374.1  | 63.4      |
| 0°-60°    | 535.0  | 90.7      |
| 0°-90°    | 590.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 590.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 424 | 424   | 424 | 424   | 424 |      |
| 5°  | 415 | 415   | 415 | 415   | 415 | 39   |
| 15° | 350 | 351   | 352 | 353   | 355 | 98   |
| 25° | 260 | 261   | 263 | 268   | 269 | 119  |
| 35° | 180 | 181   | 185 | 189   | 190 | 113  |
| 45° | 117 | 118   | 121 | 123   | 124 | 91   |
| 55° | 74  | 74    | 75  | 75    | 75  | 67   |
| 65° | 40  | 40    | 40  | 42    | 42  | 40   |
| 75° | 12  | 12    | 12  | 12    | 12  | 14   |
| 85° | 1   | 1     | 0   | 0     | 0   | 2    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 423.6 | 423.6 | 423.6 | 423.6 | 423.6 | 423.6 | 423.6 | 423.6 | 423.6 | 423.6 | 423.6 |
| 2°    | 422.6 | 422.6 | 422.6 | 422.6 | 422.6 | 422.6 | 422.6 | 422.6 | 422.6 | 422.6 | 421.7 |
| 2.5°  | 422.6 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 421.7 | 422.6 | 421.7 |
| 5°    | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 414.9 | 415.9 | 414.9 | 414.9 |
| 7.5°  | 403.3 | 403.3 | 403.3 | 403.3 | 404.3 | 404.3 | 404.3 | 404.3 | 405.3 | 405.3 | 404.3 |
| 10°   | 388.9 | 388.9 | 388.9 | 388.9 | 389.8 | 389.8 | 390.8 | 389.8 | 389.8 | 390.8 | 390.8 |
| 12.5° | 371.5 | 370.5 | 370.5 | 370.5 | 371.5 | 372.5 | 372.5 | 372.5 | 373.4 | 373.4 | 373.4 |
| 15°   | 350.3 | 350.3 | 350.3 | 351.2 | 351.2 | 352.2 | 353.2 | 353.2 | 354.1 | 354.1 | 355.1 |
| 17.5° | 329.0 | 329.0 | 328.1 | 329.0 | 330.0 | 331.0 | 331.9 | 332.9 | 333.9 | 333.9 | 333.9 |
| 20°   | 305.9 | 304.9 | 305.9 | 306.8 | 307.8 | 308.8 | 309.7 | 311.7 | 312.6 | 312.6 | 312.6 |
| 22.5° | 282.7 | 281.8 | 282.7 | 283.7 | 284.6 | 285.6 | 288.5 | 289.5 | 290.4 | 290.4 | 292.4 |
| 25°   | 259.6 | 259.6 | 260.5 | 261.5 | 262.5 | 263.4 | 265.3 | 267.3 | 268.2 | 269.2 | 269.2 |
| 27.5° | 238.3 | 238.3 | 238.3 | 238.3 | 240.3 | 242.2 | 244.1 | 246.1 | 247.0 | 248.0 | 248.0 |
| 30°   | 218.1 | 217.1 | 217.1 | 218.1 | 220.0 | 221.9 | 223.9 | 225.8 | 226.8 | 227.7 | 228.7 |
| 32.5° | 197.8 | 197.8 | 197.8 | 198.8 | 199.7 | 202.6 | 204.6 | 205.5 | 207.5 | 208.4 | 208.4 |
| 35°   | 179.5 | 179.5 | 179.5 | 181.4 | 183.3 | 185.3 | 186.2 | 188.2 | 190.1 | 190.1 | 190.1 |
| 37.5° | 164.0 | 165.0 | 166.9 | 166.0 | 166.0 | 166.9 | 167.9 | 169.8 | 171.8 | 171.8 | 171.8 |
| 40°   | 146.7 | 147.6 | 148.6 | 147.6 | 148.6 | 150.5 | 151.5 | 152.5 | 153.4 | 154.4 | 154.4 |
| 42.5° | 130.3 | 130.3 | 130.3 | 131.2 | 133.2 | 134.1 | 136.1 | 137.0 | 138.0 | 138.0 | 138.0 |
| 45°   | 116.8 | 116.8 | 117.7 | 118.7 | 119.6 | 120.6 | 121.6 | 122.5 | 123.5 | 123.5 | 123.5 |
| 47.5° | 105.2 | 105.2 | 106.1 | 106.1 | 107.1 | 108.1 | 109.0 | 109.0 | 110.0 | 111.0 | 110.0 |
| 50°   | 94.6  | 94.6  | 94.6  | 95.5  | 95.5  | 96.5  | 96.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| 52.5° | 83.9  | 83.9  | 83.9  | 83.9  | 84.9  | 84.9  | 84.9  | 85.9  | 85.9  | 85.9  | 85.9  |
| 55°   | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  | 75.3  |
| 57.5° | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  |
| 60°   | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  | 56.0  | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  |
| 62.5° | 48.2  | 48.2  | 48.2  | 48.2  | 48.2  | 48.2  | 48.2  | 49.2  | 49.2  | 49.2  | 49.2  |
| 65°   | 39.6  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 40.5  | 41.5  | 41.5  | 41.5  | 41.5  |
| 67.5° | 31.8  | 32.8  | 32.8  | 32.8  | 32.8  | 32.8  | 32.8  | 32.8  | 33.8  | 33.8  | 33.8  |
| 70°   | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 25.1  | 26.1  |
| 72.5° | 17.4  | 17.4  | 17.4  | 17.4  | 17.4  | 17.4  | 17.4  | 17.4  | 18.3  | 18.3  | 18.3  |
| 75°   | 12.5  | 12.5  | 12.5  | 12.5  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  | 11.6  |
| 77.5° | 8.7   | 8.7   | 8.7   | 7.7   | 7.7   | 6.8   | 6.8   | 6.8   | 6.8   | 6.8   | 5.8   |
| 80°   | 4.8   | 4.8   | 4.8   | 4.8   | 4.8   | 3.9   | 3.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 82.5° | 2.9   | 2.9   | 2.9   | 1.9   | 1.9   | 1.9   | 1.9   | 1.0   | 1.0   | 1.0   | 1.0   |
| 85°   | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)