

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: P3ART20R709827D010 E3LDWW1H

Issue Date: 5/8/2026

**Test Information**

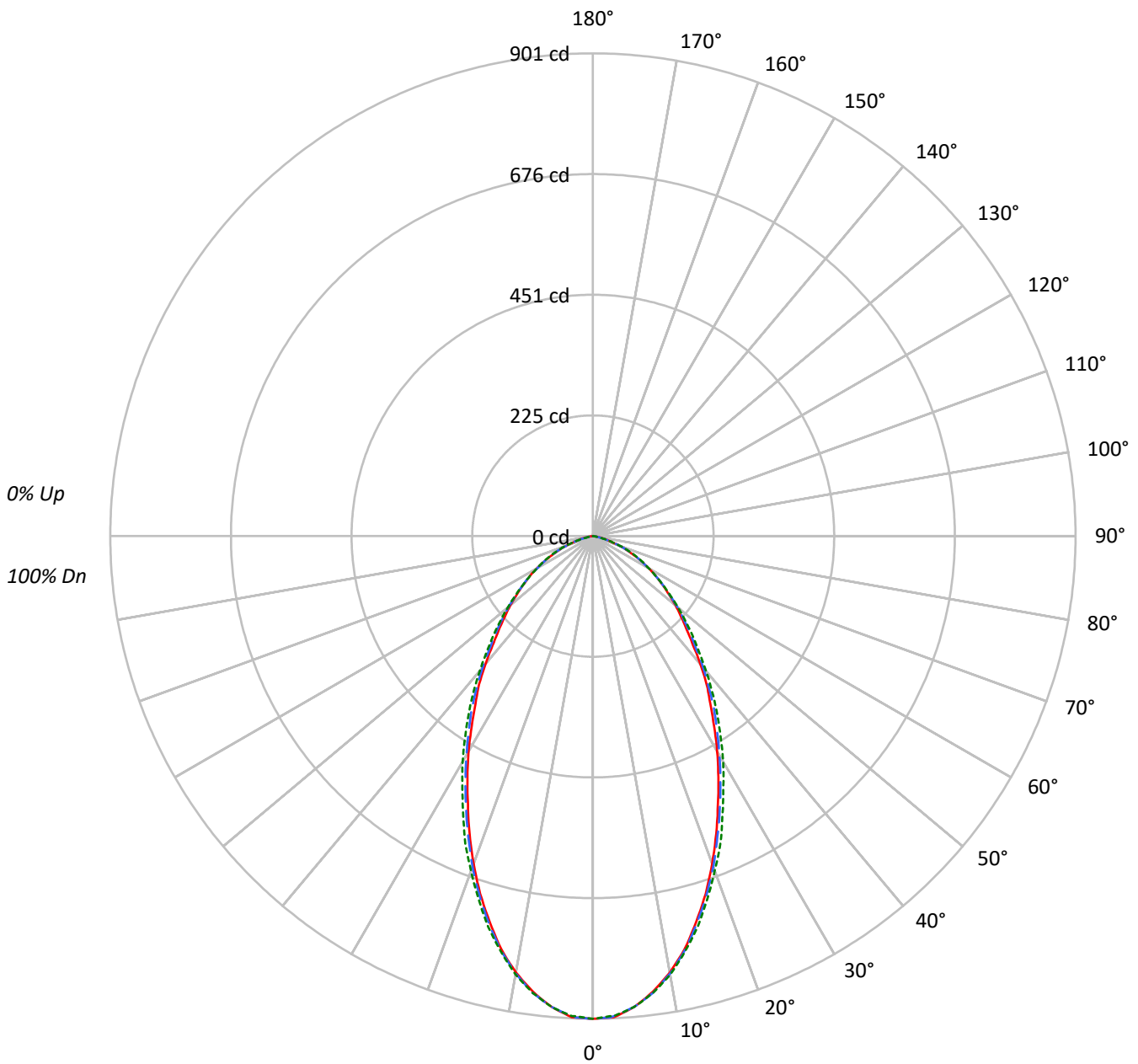
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART20R709827D010 E3LDWW1H  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LDWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1255.0 lumens  
Efficiency: N/A  
Efficacy: 45.8 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): 27.4  
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

TEST NUMBER: P#  
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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°  | 197572 | 197572 | 197572 |
| 5°  | 194276 | 194276 | 194276 |
| 10° | 184165 | 184633 | 185078 |
| 15° | 169127 | 170058 | 171465 |
| 20° | 151820 | 153267 | 155180 |
| 25° | 133580 | 135564 | 138540 |
| 30° | 117461 | 119537 | 123158 |
| 35° | 102205 | 105498 | 108228 |
| 40° | 89310  | 91657  | 94005  |
| 45° | 77000  | 79574  | 81466  |
| 50° | 68603  | 70002  | 70718  |
| 55° | 60404  | 61207  | 61207  |
| 60° | 53110  | 52189  | 53110  |
| 65° | 43688  | 44726  | 45816  |
| 70° | 34237  | 34237  | 35519  |
| 75° | 22621  | 20842  | 20842  |
| 80° | 13007  | 10355  | 7829   |
| 85° | 5284   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 81466 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.5   | 6.6       |
| 10°-20°   | 209.2  | 16.7      |
| 20°-30°   | 258.1  | 20.6      |
| 30°-40°   | 245.9  | 19.6      |
| 40°-50°   | 198.9  | 15.9      |
| 50°-60°   | 143.3  | 11.4      |
| 60°-70°   | 85.8   | 6.8       |
| 70°-80°   | 28.7   | 2.3       |
| 80°-90°   | 2.5    | 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°    | 549.9  | 43.8      |
| 0°-40°    | 795.8  | 63.4      |
| 0°-60°    | 1138.0 | 90.7      |
| 0°-90°    | 1255.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1255.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 901 | 901   | 901 | 901   | 901 |      |
| 5°  | 883 | 883   | 883 | 883   | 883 | 82   |
| 15° | 745 | 747   | 749 | 752   | 755 | 208  |
| 25° | 552 | 556   | 560 | 569   | 573 | 254  |
| 35° | 382 | 385   | 394 | 401   | 404 | 240  |
| 45° | 248 | 252   | 257 | 261   | 263 | 194  |
| 55° | 158 | 158   | 160 | 160   | 160 | 142  |
| 65° | 84  | 86    | 86  | 88    | 88  | 84   |
| 75° | 27  | 27    | 25  | 25    | 25  | 30   |
| 85° | 2   | 2     | 0   | 0     | 0   | 4    |
| 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°    | 901.0 | 901.0 | 901.0 | 901.0 | 901.0 | 901.0 | 901.0 | 901.0 | 901.0 | 901.0 | 901.0 |
| 2°    | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 899.0 | 896.9 |
| 2.5°  | 899.0 | 896.9 | 896.9 | 896.9 | 896.9 | 896.9 | 896.9 | 896.9 | 896.9 | 899.0 | 896.9 |
| 5°    | 882.6 | 882.6 | 882.6 | 882.6 | 882.6 | 882.6 | 882.6 | 882.6 | 884.6 | 882.6 | 882.6 |
| 7.5°  | 857.9 | 857.9 | 857.9 | 857.9 | 860.0 | 860.0 | 860.0 | 860.0 | 862.0 | 862.0 | 860.0 |
| 10°   | 827.1 | 827.1 | 827.1 | 827.1 | 829.2 | 829.2 | 831.2 | 829.2 | 829.2 | 831.2 | 831.2 |
| 12.5° | 790.2 | 788.1 | 788.1 | 788.1 | 790.2 | 792.3 | 792.3 | 792.3 | 794.3 | 794.3 | 794.3 |
| 15°   | 745.0 | 745.0 | 745.0 | 747.1 | 747.1 | 749.1 | 751.2 | 751.2 | 753.3 | 753.3 | 755.3 |
| 17.5° | 699.9 | 699.9 | 697.8 | 699.9 | 701.9 | 704.0 | 706.0 | 708.1 | 710.2 | 710.2 | 710.2 |
| 20°   | 650.6 | 648.6 | 650.6 | 652.7 | 654.7 | 656.8 | 658.8 | 662.9 | 665.0 | 665.0 | 665.0 |
| 22.5° | 601.4 | 599.3 | 601.4 | 603.4 | 605.5 | 607.5 | 613.7 | 615.7 | 617.8 | 617.8 | 621.9 |
| 25°   | 552.1 | 552.1 | 554.2 | 556.2 | 558.3 | 560.3 | 564.4 | 568.5 | 570.6 | 572.6 | 572.6 |
| 27.5° | 507.0 | 507.0 | 507.0 | 507.0 | 511.1 | 515.2 | 519.3 | 523.4 | 525.4 | 527.5 | 527.5 |
| 30°   | 463.9 | 461.8 | 461.8 | 463.9 | 468.0 | 472.1 | 476.2 | 480.3 | 482.3 | 484.4 | 486.4 |
| 32.5° | 420.8 | 420.8 | 420.8 | 422.8 | 424.9 | 431.0 | 435.1 | 437.2 | 441.3 | 443.3 | 443.3 |
| 35°   | 381.8 | 381.8 | 381.8 | 385.9 | 390.0 | 394.1 | 396.1 | 400.2 | 404.3 | 404.3 | 404.3 |
| 37.5° | 348.9 | 351.0 | 355.1 | 353.0 | 353.0 | 355.1 | 357.1 | 361.2 | 365.3 | 365.3 | 365.3 |
| 40°   | 312.0 | 314.0 | 316.1 | 314.0 | 316.1 | 320.2 | 322.2 | 324.3 | 326.3 | 328.4 | 328.4 |
| 42.5° | 277.1 | 277.1 | 277.1 | 279.1 | 283.2 | 285.3 | 289.4 | 291.4 | 293.5 | 293.5 | 293.5 |
| 45°   | 248.3 | 248.3 | 250.4 | 252.5 | 254.5 | 256.6 | 258.6 | 260.7 | 262.7 | 262.7 | 262.7 |
| 47.5° | 223.7 | 223.7 | 225.8 | 225.8 | 227.8 | 229.9 | 231.9 | 231.9 | 234.0 | 236.0 | 234.0 |
| 50°   | 201.1 | 201.1 | 201.1 | 203.2 | 203.2 | 205.2 | 205.2 | 207.3 | 207.3 | 207.3 | 207.3 |
| 52.5° | 178.6 | 178.6 | 178.6 | 178.6 | 180.6 | 180.6 | 180.6 | 182.7 | 182.7 | 182.7 | 182.7 |
| 55°   | 158.0 | 158.0 | 158.0 | 158.0 | 158.0 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 |
| 57.5° | 139.6 | 139.6 | 139.6 | 139.6 | 139.6 | 139.6 | 139.6 | 139.6 | 139.6 | 139.6 | 139.6 |
| 60°   | 121.1 | 121.1 | 121.1 | 121.1 | 121.1 | 119.0 | 121.1 | 121.1 | 121.1 | 121.1 | 121.1 |
| 62.5° | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 104.7 | 104.7 | 104.7 | 104.7 |
| 65°   | 84.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 88.3  | 88.3  | 88.3  | 88.3  |
| 67.5° | 67.7  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 69.8  | 71.8  | 71.8  | 71.8  |
| 70°   | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 53.4  | 55.4  |
| 72.5° | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 36.9  | 39.0  | 39.0  | 39.0  |
| 75°   | 26.7  | 26.7  | 26.7  | 26.7  | 24.6  | 24.6  | 24.6  | 24.6  | 24.6  | 24.6  | 24.6  |
| 77.5° | 18.5  | 18.5  | 18.5  | 16.4  | 16.4  | 14.4  | 14.4  | 14.4  | 14.4  | 14.4  | 12.3  |
| 80°   | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 8.2   | 8.2   | 6.2   | 6.2   | 6.2   | 6.2   |
| 82.5° | 6.2   | 6.2   | 6.2   | 4.1   | 4.1   | 4.1   | 4.1   | 2.1   | 2.1   | 2.1   | 2.1   |
| 85°   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 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)