

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: P1446873

Luminaire Tested: P3ART17R709827DE010 E3LDWW1LI

Issue Date: 5/8/2026

**Test Information**

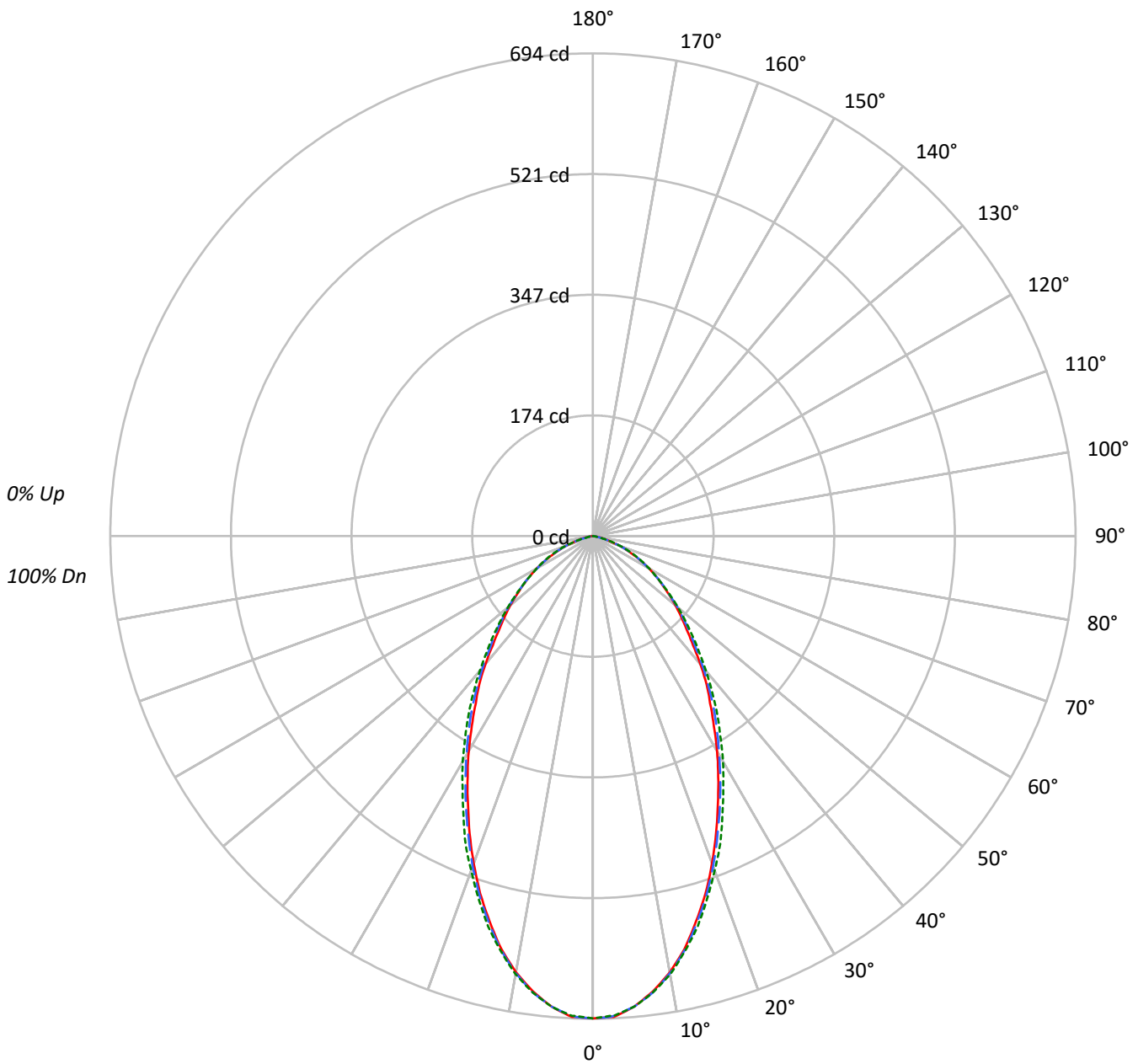
Test Method: LM-79-2019  
Report Number: P1446873  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R709827DE010 E3LDWW1LI  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3LDWW1LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 966.0 lumens  
Efficiency: N/A  
Efficacy: 47.4 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): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



— 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  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  | 97  | 95  | 94  | 94  | 92  | 91  | 89  | 89  | 89  |
| 2   | 103 | 97  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 87  | 84  | 88  | 85  | 82  | 85  | 83  | 80  | 78  | 78  | 78  |
| 3   | 96  | 87  | 81  | 75  | 94  | 86  | 80  | 75  | 83  | 78  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 69  | 69  | 69  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 61  | 61  | 61  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 57  | 66  | 61  | 57  | 55  | 55  | 55  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 50  | 50  | 50  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  | 57  | 52  | 47  | 56  | 51  | 47  | 45  | 45  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 49  | 44  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  | 41  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 38  | 38  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 47  | 41  | 37  | 47  | 41  | 37  | 46  | 40  | 37  | 35  | 35  | 35  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 152071 | 152071 | 152071 |
| 5°  | 149526 | 149526 | 149526 |
| 10° | 141770 | 142104 | 142460 |
| 15° | 130194 | 130897 | 131987 |
| 20° | 116863 | 117960 | 119454 |
| 25° | 102829 | 104353 | 106651 |
| 30° | 90394  | 92014  | 94799  |
| 35° | 78648  | 81191  | 83306  |
| 40° | 68729  | 70561  | 72364  |
| 45° | 59293  | 61247  | 62704  |
| 50° | 52808  | 53900  | 54446  |
| 55° | 46488  | 47100  | 47100  |
| 60° | 40874  | 40172  | 40874  |
| 65° | 33622  | 34452  | 35231  |
| 70° | 26351  | 26351  | 27376  |
| 75° | 17368  | 16097  | 16097  |
| 80° | 9976   | 7956   | 5935   |
| 85° | 4026   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 62704 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 63.5   | 6.6       |
| 10°-20°   | 161.1  | 16.7      |
| 20°-30°   | 198.6  | 20.6      |
| 30°-40°   | 189.3  | 19.6      |
| 40°-50°   | 153.1  | 15.9      |
| 50°-60°   | 110.3  | 11.4      |
| 60°-70°   | 66.1   | 6.8       |
| 70°-80°   | 22.1   | 2.3       |
| 80°-90°   | 1.9    | 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°    | 423.2  | 43.8      |
| 0°-40°    | 612.5  | 63.4      |
| 0°-60°    | 875.9  | 90.7      |
| 0°-90°    | 966.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 966.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 694 | 694   | 694 | 694   | 694 |      |
| 5°  | 679 | 679   | 679 | 680   | 679 | 63   |
| 15° | 574 | 575   | 577 | 579   | 581 | 160  |
| 25° | 425 | 428   | 431 | 438   | 441 | 196  |
| 35° | 294 | 296   | 303 | 309   | 311 | 185  |
| 45° | 191 | 194   | 198 | 201   | 202 | 149  |
| 55° | 122 | 122   | 123 | 123   | 123 | 109  |
| 65° | 65  | 66    | 66  | 68    | 68  | 65   |
| 75° | 20  | 20    | 19  | 19    | 19  | 23   |
| 85° | 2   | 2     | 0   | 0     | 0   | 3    |
| 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°    | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 |
| 2°    | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 690.4 |
| 2.5°  | 692.0 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 692.0 | 690.4 |
| 5°    | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 680.9 | 679.3 | 679.3 |
| 7.5°  | 660.4 | 660.4 | 660.4 | 660.4 | 661.9 | 661.9 | 661.9 | 661.9 | 663.5 | 663.5 | 661.9 |
| 10°   | 636.7 | 636.7 | 636.7 | 636.7 | 638.2 | 638.2 | 639.8 | 638.2 | 638.2 | 639.8 | 639.8 |
| 12.5° | 608.2 | 606.7 | 606.7 | 606.7 | 608.2 | 609.8 | 609.8 | 609.8 | 611.4 | 611.4 | 611.4 |
| 15°   | 573.5 | 573.5 | 573.5 | 575.1 | 575.1 | 576.6 | 578.2 | 578.2 | 579.8 | 579.8 | 581.4 |
| 17.5° | 538.7 | 538.7 | 537.1 | 538.7 | 540.3 | 541.9 | 543.5 | 545.0 | 546.6 | 546.6 | 546.6 |
| 20°   | 500.8 | 499.2 | 500.8 | 502.4 | 504.0 | 505.5 | 507.1 | 510.3 | 511.9 | 511.9 | 511.9 |
| 22.5° | 462.9 | 461.3 | 462.9 | 464.5 | 466.0 | 467.6 | 472.4 | 473.9 | 475.5 | 475.5 | 478.7 |
| 25°   | 425.0 | 425.0 | 426.6 | 428.1 | 429.7 | 431.3 | 434.5 | 437.6 | 439.2 | 440.8 | 440.8 |
| 27.5° | 390.2 | 390.2 | 390.2 | 390.2 | 393.4 | 396.5 | 399.7 | 402.9 | 404.4 | 406.0 | 406.0 |
| 30°   | 357.0 | 355.5 | 355.5 | 357.0 | 360.2 | 363.4 | 366.5 | 369.7 | 371.3 | 372.8 | 374.4 |
| 32.5° | 323.9 | 323.9 | 323.9 | 325.4 | 327.0 | 331.8 | 334.9 | 336.5 | 339.7 | 341.2 | 341.2 |
| 35°   | 293.8 | 293.8 | 293.8 | 297.0 | 300.2 | 303.3 | 304.9 | 308.1 | 311.2 | 311.2 | 311.2 |
| 37.5° | 268.6 | 270.2 | 273.3 | 271.7 | 271.7 | 273.3 | 274.9 | 278.0 | 281.2 | 281.2 | 281.2 |
| 40°   | 240.1 | 241.7 | 243.3 | 241.7 | 243.3 | 246.5 | 248.0 | 249.6 | 251.2 | 252.8 | 252.8 |
| 42.5° | 213.3 | 213.3 | 213.3 | 214.9 | 218.0 | 219.6 | 222.8 | 224.3 | 225.9 | 225.9 | 225.9 |
| 45°   | 191.2 | 191.2 | 192.7 | 194.3 | 195.9 | 197.5 | 199.1 | 200.6 | 202.2 | 202.2 | 202.2 |
| 47.5° | 172.2 | 172.2 | 173.8 | 173.8 | 175.4 | 176.9 | 178.5 | 178.5 | 180.1 | 181.7 | 180.1 |
| 50°   | 154.8 | 154.8 | 154.8 | 156.4 | 156.4 | 158.0 | 158.0 | 159.6 | 159.6 | 159.6 | 159.6 |
| 52.5° | 137.4 | 137.4 | 137.4 | 137.4 | 139.0 | 139.0 | 139.0 | 140.6 | 140.6 | 140.6 | 140.6 |
| 55°   | 121.6 | 121.6 | 121.6 | 121.6 | 121.6 | 123.2 | 123.2 | 123.2 | 123.2 | 123.2 | 123.2 |
| 57.5° | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 |
| 60°   | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  | 91.6  | 93.2  | 93.2  | 93.2  | 93.2  | 93.2  |
| 62.5° | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 80.6  | 80.6  | 80.6  | 80.6  |
| 65°   | 64.8  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 66.4  | 67.9  | 67.9  | 67.9  | 67.9  |
| 67.5° | 52.1  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 55.3  | 55.3  | 55.3  |
| 70°   | 41.1  | 41.1  | 41.1  | 41.1  | 41.1  | 41.1  | 41.1  | 41.1  | 41.1  | 41.1  | 42.7  |
| 72.5° | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  | 30.0  | 30.0  | 30.0  |
| 75°   | 20.5  | 20.5  | 20.5  | 20.5  | 19.0  | 19.0  | 19.0  | 19.0  | 19.0  | 19.0  | 19.0  |
| 77.5° | 14.2  | 14.2  | 14.2  | 12.6  | 12.6  | 11.1  | 11.1  | 11.1  | 11.1  | 11.1  | 9.5   |
| 80°   | 7.9   | 7.9   | 7.9   | 7.9   | 7.9   | 6.3   | 6.3   | 4.7   | 4.7   | 4.7   | 4.7   |
| 82.5° | 4.7   | 4.7   | 4.7   | 3.2   | 3.2   | 3.2   | 3.2   | 1.6   | 1.6   | 1.6   | 1.6   |
| 85°   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   | 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)