

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: P3ART17R70W2N902750DE010 E3LDWW1GPH\_4000K

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: P3ART17R70W2N902750DE010 E3LDWW1GPH\_4000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,  
E3LDWW1GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1069.9 lumens  
Efficiency: N/A  
Efficacy: 55.2 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): 19.4  
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

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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  | 44  | 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°  | 168451 | 168451 | 168451 |
| 5°  | 165639 | 165639 | 165639 |
| 10° | 157022 | 157423 | 157802 |
| 15° | 144201 | 144995 | 146198 |
| 20° | 129441 | 130678 | 132312 |
| 25° | 113886 | 115579 | 118120 |
| 30° | 100142 | 101914 | 105003 |
| 35° | 87134  | 89945  | 92274  |
| 40° | 76143  | 78146  | 80150  |
| 45° | 65650  | 67821  | 69465  |
| 50° | 58506  | 59700  | 60279  |
| 55° | 51496  | 52185  | 52185  |
| 60° | 45260  | 44514  | 45260  |
| 65° | 37202  | 38136  | 39018  |
| 70° | 29172  | 29172  | 30262  |
| 75° | 19232  | 17792  | 17792  |
| 80° | 10986  | 8840   | 6566   |
| 85° | 4277   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 69465 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 70.4   | 6.6       |
| 10°-20°   | 178.4  | 16.7      |
| 20°-30°   | 220.0  | 20.6      |
| 30°-40°   | 209.7  | 19.6      |
| 40°-50°   | 169.6  | 15.9      |
| 50°-60°   | 122.2  | 11.4      |
| 60°-70°   | 73.1   | 6.8       |
| 70°-80°   | 24.5   | 2.3       |
| 80°-90°   | 2.1    | 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°    | 468.8  | 43.8      |
| 0°-40°    | 678.5  | 63.4      |
| 0°-60°    | 970.2  | 90.7      |
| 0°-90°    | 1069.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1069.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 768 | 768   | 768 | 768   | 768 |      |
| 5°  | 752 | 752   | 752 | 753   | 752 | 70   |
| 15° | 635 | 637   | 639 | 641   | 644 | 177  |
| 25° | 471 | 474   | 478 | 485   | 488 | 217  |
| 35° | 326 | 328   | 336 | 342   | 345 | 205  |
| 45° | 212 | 215   | 219 | 223   | 224 | 165  |
| 55° | 135 | 135   | 136 | 136   | 136 | 121  |
| 65° | 72  | 74    | 74  | 75    | 75  | 72   |
| 75° | 23  | 23    | 21  | 21    | 21  | 26   |
| 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°    | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 | 768.2 |
| 2°    | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 | 764.7 |
| 2.5°  | 766.5 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 764.7 | 766.5 | 764.7 |
| 5°    | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 752.5 | 754.2 | 752.5 | 752.5 |
| 7.5°  | 731.5 | 731.5 | 731.5 | 731.5 | 733.2 | 733.2 | 733.2 | 733.2 | 735.0 | 735.0 | 733.2 |
| 10°   | 705.2 | 705.2 | 705.2 | 705.2 | 707.0 | 707.0 | 708.7 | 707.0 | 707.0 | 708.7 | 708.7 |
| 12.5° | 673.7 | 672.0 | 672.0 | 672.0 | 673.7 | 675.5 | 675.5 | 675.5 | 677.2 | 677.2 | 677.2 |
| 15°   | 635.2 | 635.2 | 635.2 | 637.0 | 637.0 | 638.7 | 640.5 | 640.5 | 642.2 | 642.2 | 644.0 |
| 17.5° | 596.7 | 596.7 | 595.0 | 596.7 | 598.5 | 600.2 | 602.0 | 603.7 | 605.5 | 605.5 | 605.5 |
| 20°   | 554.7 | 553.0 | 554.7 | 556.5 | 558.2 | 560.0 | 561.7 | 565.2 | 567.0 | 567.0 | 567.0 |
| 22.5° | 512.7 | 511.0 | 512.7 | 514.5 | 516.2 | 518.0 | 523.2 | 525.0 | 526.7 | 526.7 | 530.2 |
| 25°   | 470.7 | 470.7 | 472.5 | 474.2 | 476.0 | 477.7 | 481.2 | 484.7 | 486.5 | 488.2 | 488.2 |
| 27.5° | 432.2 | 432.2 | 432.2 | 432.2 | 435.7 | 439.2 | 442.7 | 446.2 | 448.0 | 449.7 | 449.7 |
| 30°   | 395.5 | 393.7 | 393.7 | 395.5 | 399.0 | 402.5 | 406.0 | 409.5 | 411.2 | 413.0 | 414.7 |
| 32.5° | 358.7 | 358.7 | 358.7 | 360.5 | 362.2 | 367.5 | 371.0 | 372.7 | 376.2 | 378.0 | 378.0 |
| 35°   | 325.5 | 325.5 | 325.5 | 329.0 | 332.5 | 336.0 | 337.7 | 341.2 | 344.7 | 344.7 | 344.7 |
| 37.5° | 297.5 | 299.2 | 302.7 | 301.0 | 301.0 | 302.7 | 304.5 | 308.0 | 311.5 | 311.5 | 311.5 |
| 40°   | 266.0 | 267.7 | 269.5 | 267.7 | 269.5 | 273.0 | 274.7 | 276.5 | 278.2 | 280.0 | 280.0 |
| 42.5° | 236.2 | 236.2 | 236.2 | 238.0 | 241.5 | 243.2 | 246.7 | 248.5 | 250.2 | 250.2 | 250.2 |
| 45°   | 211.7 | 211.7 | 213.5 | 215.2 | 217.0 | 218.7 | 220.5 | 222.2 | 224.0 | 224.0 | 224.0 |
| 47.5° | 190.7 | 190.7 | 192.5 | 192.5 | 194.2 | 196.0 | 197.7 | 197.7 | 199.5 | 201.2 | 199.5 |
| 50°   | 171.5 | 171.5 | 171.5 | 173.2 | 173.2 | 175.0 | 175.0 | 176.7 | 176.7 | 176.7 | 176.7 |
| 52.5° | 152.2 | 152.2 | 152.2 | 152.2 | 154.0 | 154.0 | 154.0 | 155.7 | 155.7 | 155.7 | 155.7 |
| 55°   | 134.7 | 134.7 | 134.7 | 134.7 | 134.7 | 136.5 | 136.5 | 136.5 | 136.5 | 136.5 | 136.5 |
| 57.5° | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 | 119.0 |
| 60°   | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 | 101.5 | 103.2 | 103.2 | 103.2 | 103.2 | 103.2 |
| 62.5° | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 89.2  | 89.2  | 89.2  | 89.2  |
| 65°   | 71.7  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 75.2  | 75.2  | 75.2  | 75.2  |
| 67.5° | 57.7  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 61.2  | 61.2  | 61.2  |
| 70°   | 45.5  | 45.5  | 45.5  | 45.5  | 45.5  | 45.5  | 45.5  | 45.5  | 45.5  | 45.5  | 47.2  |
| 72.5° | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 33.2  | 33.2  | 33.2  |
| 75°   | 22.7  | 22.7  | 22.7  | 22.7  | 21.0  | 21.0  | 21.0  | 21.0  | 21.0  | 21.0  | 21.0  |
| 77.5° | 15.7  | 15.7  | 15.7  | 14.0  | 14.0  | 12.2  | 12.2  | 12.2  | 12.2  | 12.2  | 10.5  |
| 80°   | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   | 7.0   | 7.0   | 5.2   | 5.2   | 5.2   | 5.2   |
| 82.5° | 5.2   | 5.2   | 5.2   | 3.5   | 3.5   | 3.5   | 3.5   | 1.7   | 1.7   | 1.7   | 1.7   |
| 85°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 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)