

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: P3ART05R70W2N902765DE010 E3LDWW1MW\_3500K

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: P3ART05R70W2N902765DE010 E3LDWW1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,  
E3LDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 354.0 lumens  
Efficiency: N/A  
Efficacy: 60.0 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): 5.9  
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°  | 55741 | 55741 | 55741 |
| 5°  | 54787 | 54787 | 54787 |
| 10° | 51947 | 52081 | 52215 |
| 15° | 47719 | 47968 | 48377 |
| 20° | 42820 | 43240 | 43777 |
| 25° | 37672 | 38252 | 39075 |
| 30° | 33119 | 33727 | 34740 |
| 35° | 28830 | 29767 | 30544 |
| 40° | 25190 | 25848 | 26507 |
| 45° | 21739 | 22452 | 22979 |
| 50° | 19343 | 19752 | 19957 |
| 55° | 17051 | 17280 | 17280 |
| 60° | 14999 | 14736 | 14999 |
| 65° | 12297 | 12608 | 12920 |
| 70° | 9681  | 9681  | 10002 |
| 75° | 6354  | 5846  | 5846  |
| 80° | 3662  | 2904  | 2147  |
| 85° | 1510  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 22979 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.3   | 6.6       |
| 10°-20°   | 59.0   | 16.7      |
| 20°-30°   | 72.8   | 20.6      |
| 30°-40°   | 69.4   | 19.6      |
| 40°-50°   | 56.1   | 15.9      |
| 50°-60°   | 40.4   | 11.4      |
| 60°-70°   | 24.2   | 6.8       |
| 70°-80°   | 8.1    | 2.3       |
| 80°-90°   | 0.7    | 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°    | 155.1  | 43.8      |
| 0°-40°    | 224.5  | 63.4      |
| 0°-60°    | 321.0  | 90.7      |
| 0°-90°    | 354.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 354.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 254 | 254   | 254 | 254   | 254 |      |
| 5°  | 249 | 249   | 249 | 249   | 249 | 23   |
| 15° | 210 | 211   | 211 | 212   | 213 | 59   |
| 25° | 156 | 157   | 158 | 161   | 162 | 72   |
| 35° | 108 | 109   | 111 | 113   | 114 | 68   |
| 45° | 70  | 71    | 72  | 74    | 74  | 55   |
| 55° | 45  | 45    | 45  | 45    | 45  | 40   |
| 65° | 24  | 24    | 24  | 25    | 25  | 24   |
| 75° | 8   | 8     | 7   | 7     | 7   | 8    |
| 85° | 1   | 1     | 0   | 0     | 0   | 1    |
| 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°    | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 | 254.2 |
| 2°    | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.6 | 253.0 |
| 2.5°  | 253.6 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.0 | 253.6 | 253.0 |
| 5°    | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 248.9 | 249.5 | 248.9 | 248.9 |
| 7.5°  | 242.0 | 242.0 | 242.0 | 242.0 | 242.6 | 242.6 | 242.6 | 242.6 | 243.2 | 243.2 | 242.6 |
| 10°   | 233.3 | 233.3 | 233.3 | 233.3 | 233.9 | 233.9 | 234.5 | 233.9 | 233.9 | 234.5 | 234.5 |
| 12.5° | 222.9 | 222.3 | 222.3 | 222.3 | 222.9 | 223.5 | 223.5 | 223.5 | 224.1 | 224.1 | 224.1 |
| 15°   | 210.2 | 210.2 | 210.2 | 210.7 | 210.7 | 211.3 | 211.9 | 211.9 | 212.5 | 212.5 | 213.1 |
| 17.5° | 197.4 | 197.4 | 196.8 | 197.4 | 198.0 | 198.6 | 199.2 | 199.7 | 200.3 | 200.3 | 200.3 |
| 20°   | 183.5 | 182.9 | 183.5 | 184.1 | 184.7 | 185.3 | 185.8 | 187.0 | 187.6 | 187.6 | 187.6 |
| 22.5° | 169.6 | 169.1 | 169.6 | 170.2 | 170.8 | 171.4 | 173.1 | 173.7 | 174.3 | 174.3 | 175.4 |
| 25°   | 155.7 | 155.7 | 156.3 | 156.9 | 157.5 | 158.1 | 159.2 | 160.4 | 160.9 | 161.5 | 161.5 |
| 27.5° | 143.0 | 143.0 | 143.0 | 143.0 | 144.2 | 145.3 | 146.5 | 147.6 | 148.2 | 148.8 | 148.8 |
| 30°   | 130.8 | 130.3 | 130.3 | 130.8 | 132.0 | 133.2 | 134.3 | 135.5 | 136.1 | 136.6 | 137.2 |
| 32.5° | 118.7 | 118.7 | 118.7 | 119.3 | 119.8 | 121.6 | 122.7 | 123.3 | 124.5 | 125.1 | 125.1 |
| 35°   | 107.7 | 107.7 | 107.7 | 108.8 | 110.0 | 111.2 | 111.7 | 112.9 | 114.1 | 114.1 | 114.1 |
| 37.5° | 98.4  | 99.0  | 100.2 | 99.6  | 99.6  | 100.2 | 100.7 | 101.9 | 103.1 | 103.1 | 103.1 |
| 40°   | 88.0  | 88.6  | 89.2  | 88.6  | 89.2  | 90.3  | 90.9  | 91.5  | 92.1  | 92.6  | 92.6  |
| 42.5° | 78.2  | 78.2  | 78.2  | 78.7  | 79.9  | 80.5  | 81.6  | 82.2  | 82.8  | 82.8  | 82.8  |
| 45°   | 70.1  | 70.1  | 70.6  | 71.2  | 71.8  | 72.4  | 72.9  | 73.5  | 74.1  | 74.1  | 74.1  |
| 47.5° | 63.1  | 63.1  | 63.7  | 63.7  | 64.3  | 64.8  | 65.4  | 65.4  | 66.0  | 66.6  | 66.0  |
| 50°   | 56.7  | 56.7  | 56.7  | 57.3  | 57.3  | 57.9  | 57.9  | 58.5  | 58.5  | 58.5  | 58.5  |
| 52.5° | 50.4  | 50.4  | 50.4  | 50.4  | 50.9  | 50.9  | 50.9  | 51.5  | 51.5  | 51.5  | 51.5  |
| 55°   | 44.6  | 44.6  | 44.6  | 44.6  | 44.6  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  | 45.2  |
| 57.5° | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  |
| 60°   | 34.2  | 34.2  | 34.2  | 34.2  | 34.2  | 33.6  | 34.2  | 34.2  | 34.2  | 34.2  | 34.2  |
| 62.5° | 28.9  | 28.9  | 28.9  | 28.9  | 28.9  | 28.9  | 28.9  | 29.5  | 29.5  | 29.5  | 29.5  |
| 65°   | 23.7  | 24.3  | 24.3  | 24.3  | 24.3  | 24.3  | 24.3  | 24.9  | 24.9  | 24.9  | 24.9  |
| 67.5° | 19.1  | 19.7  | 19.7  | 19.7  | 19.7  | 19.7  | 19.7  | 19.7  | 20.3  | 20.3  | 20.3  |
| 70°   | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.6  |
| 72.5° | 10.4  | 10.4  | 10.4  | 10.4  | 10.4  | 10.4  | 10.4  | 10.4  | 11.0  | 11.0  | 11.0  |
| 75°   | 7.5   | 7.5   | 7.5   | 7.5   | 6.9   | 6.9   | 6.9   | 6.9   | 6.9   | 6.9   | 6.9   |
| 77.5° | 5.2   | 5.2   | 5.2   | 4.6   | 4.6   | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   | 3.5   |
| 80°   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.3   | 2.3   | 1.7   | 1.7   | 1.7   | 1.7   |
| 82.5° | 1.7   | 1.7   | 1.7   | 1.2   | 1.2   | 1.2   | 1.2   | 0.6   | 0.6   | 0.6   | 0.6   |
| 85°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 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)