

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: P1299090

Luminaire Tested: P3A13R70W2N902765DE010 E3LDWW1H\_2700K

Issue Date: 1/29/2026

**Test Information**

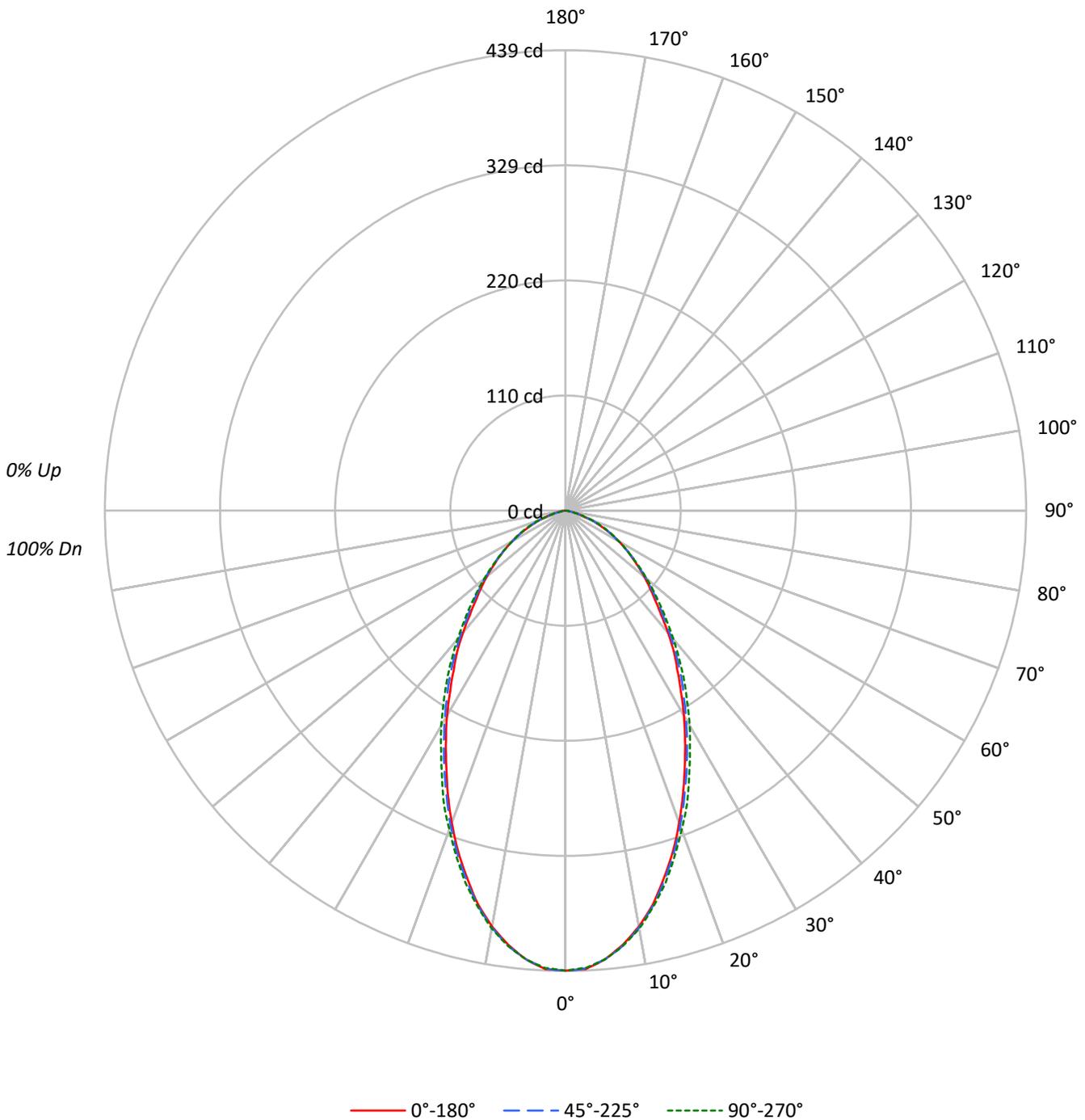
Test Method: LM-79-2019  
Report Number: P1299090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R70W2N902765DE010 E3LDWW1H\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,  
E3LDWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 611.0 lumens  
Efficiency: N/A  
Efficacy: 49.7 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): 12.3  
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  | 75  | 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°  | 96198 | 96198 | 96198 |
| 5°  | 94585 | 94585 | 94585 |
| 10° | 89667 | 89889 | 90112 |
| 15° | 82339 | 82793 | 83474 |
| 20° | 73926 | 74626 | 75560 |
| 25° | 65036 | 66004 | 67456 |
| 30° | 57173 | 58186 | 59959 |
| 35° | 49764 | 51370 | 52709 |
| 40° | 43481 | 44626 | 45771 |
| 45° | 37492 | 38733 | 39663 |
| 50° | 33398 | 34080 | 34421 |
| 55° | 29399 | 29781 | 29781 |
| 60° | 25875 | 25437 | 25875 |
| 65° | 21273 | 21792 | 22311 |
| 70° | 16669 | 16669 | 17311 |
| 75° | 11014 | 10167 | 10167 |
| 80° | 6314  | 5051  | 3788  |
| 85° | 2516  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 39663 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.2   | 6.6       |
| 10°-20°   | 101.9  | 16.7      |
| 20°-30°   | 125.6  | 20.6      |
| 30°-40°   | 119.7  | 19.6      |
| 40°-50°   | 96.9   | 15.9      |
| 50°-60°   | 69.7   | 11.4      |
| 60°-70°   | 41.8   | 6.8       |
| 70°-80°   | 14.0   | 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°    | 267.7  | 43.8      |
| 0°-40°    | 387.4  | 63.4      |
| 0°-60°    | 554.0  | 90.7      |
| 0°-90°    | 611.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 611.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 439 | 439   | 439 | 439   | 439 |      |
| 5°  | 430 | 430   | 430 | 430   | 430 | 40   |
| 15° | 363 | 363   | 365 | 366   | 368 | 101  |
| 25° | 269 | 271   | 273 | 277   | 279 | 124  |
| 35° | 186 | 187   | 192 | 195   | 197 | 117  |
| 45° | 121 | 123   | 125 | 127   | 128 | 94   |
| 55° | 77  | 77    | 78  | 78    | 78  | 69   |
| 65° | 41  | 42    | 42  | 43    | 43  | 41   |
| 75° | 13  | 13    | 12  | 12    | 12  | 15   |
| 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°    | 438.7 | 438.7 | 438.7 | 438.7 | 438.7 | 438.7 | 438.7 | 438.7 | 438.7 | 438.7 | 438.7 |
| 2°    | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 437.7 | 436.7 |
| 2.5°  | 437.7 | 436.7 | 436.7 | 436.7 | 436.7 | 436.7 | 436.7 | 436.7 | 436.7 | 437.7 | 436.7 |
| 5°    | 429.7 | 429.7 | 429.7 | 429.7 | 429.7 | 429.7 | 429.7 | 429.7 | 430.7 | 429.7 | 429.7 |
| 7.5°  | 417.7 | 417.7 | 417.7 | 417.7 | 418.7 | 418.7 | 418.7 | 418.7 | 419.7 | 419.7 | 418.7 |
| 10°   | 402.7 | 402.7 | 402.7 | 402.7 | 403.7 | 403.7 | 404.7 | 403.7 | 403.7 | 404.7 | 404.7 |
| 12.5° | 384.7 | 383.7 | 383.7 | 383.7 | 384.7 | 385.7 | 385.7 | 385.7 | 386.7 | 386.7 | 386.7 |
| 15°   | 362.7 | 362.7 | 362.7 | 363.7 | 363.7 | 364.7 | 365.7 | 365.7 | 366.7 | 366.7 | 367.7 |
| 17.5° | 340.7 | 340.7 | 339.7 | 340.7 | 341.7 | 342.7 | 343.7 | 344.7 | 345.7 | 345.7 | 345.7 |
| 20°   | 316.8 | 315.8 | 316.8 | 317.8 | 318.8 | 319.8 | 320.8 | 322.8 | 323.8 | 323.8 | 323.8 |
| 22.5° | 292.8 | 291.8 | 292.8 | 293.8 | 294.8 | 295.8 | 298.8 | 299.8 | 300.8 | 300.8 | 302.8 |
| 25°   | 268.8 | 268.8 | 269.8 | 270.8 | 271.8 | 272.8 | 274.8 | 276.8 | 277.8 | 278.8 | 278.8 |
| 27.5° | 246.8 | 246.8 | 246.8 | 246.8 | 248.8 | 250.8 | 252.8 | 254.8 | 255.8 | 256.8 | 256.8 |
| 30°   | 225.8 | 224.8 | 224.8 | 225.8 | 227.8 | 229.8 | 231.8 | 233.8 | 234.8 | 235.8 | 236.8 |
| 32.5° | 204.8 | 204.8 | 204.8 | 205.8 | 206.8 | 209.8 | 211.8 | 212.8 | 214.8 | 215.8 | 215.8 |
| 35°   | 185.9 | 185.9 | 185.9 | 187.9 | 189.9 | 191.9 | 192.9 | 194.9 | 196.9 | 196.9 | 196.9 |
| 37.5° | 169.9 | 170.9 | 172.9 | 171.9 | 171.9 | 172.9 | 173.9 | 175.9 | 177.9 | 177.9 | 177.9 |
| 40°   | 151.9 | 152.9 | 153.9 | 152.9 | 153.9 | 155.9 | 156.9 | 157.9 | 158.9 | 159.9 | 159.9 |
| 42.5° | 134.9 | 134.9 | 134.9 | 135.9 | 137.9 | 138.9 | 140.9 | 141.9 | 142.9 | 142.9 | 142.9 |
| 45°   | 120.9 | 120.9 | 121.9 | 122.9 | 123.9 | 124.9 | 125.9 | 126.9 | 127.9 | 127.9 | 127.9 |
| 47.5° | 108.9 | 108.9 | 109.9 | 109.9 | 110.9 | 111.9 | 112.9 | 112.9 | 113.9 | 114.9 | 113.9 |
| 50°   | 97.9  | 97.9  | 97.9  | 98.9  | 98.9  | 99.9  | 99.9  | 100.9 | 100.9 | 100.9 | 100.9 |
| 52.5° | 86.9  | 86.9  | 86.9  | 86.9  | 87.9  | 87.9  | 87.9  | 88.9  | 88.9  | 88.9  | 88.9  |
| 55°   | 76.9  | 76.9  | 76.9  | 76.9  | 76.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  |
| 57.5° | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  |
| 60°   | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  | 58.0  | 59.0  | 59.0  | 59.0  | 59.0  | 59.0  |
| 62.5° | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 51.0  | 51.0  | 51.0  | 51.0  |
| 65°   | 41.0  | 42.0  | 42.0  | 42.0  | 42.0  | 42.0  | 42.0  | 43.0  | 43.0  | 43.0  | 43.0  |
| 67.5° | 33.0  | 34.0  | 34.0  | 34.0  | 34.0  | 34.0  | 34.0  | 34.0  | 35.0  | 35.0  | 35.0  |
| 70°   | 26.0  | 26.0  | 26.0  | 26.0  | 26.0  | 26.0  | 26.0  | 26.0  | 26.0  | 26.0  | 27.0  |
| 72.5° | 18.0  | 18.0  | 18.0  | 18.0  | 18.0  | 18.0  | 18.0  | 18.0  | 19.0  | 19.0  | 19.0  |
| 75°   | 13.0  | 13.0  | 13.0  | 13.0  | 12.0  | 12.0  | 12.0  | 12.0  | 12.0  | 12.0  | 12.0  |
| 77.5° | 9.0   | 9.0   | 9.0   | 8.0   | 8.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 6.0   |
| 80°   | 5.0   | 5.0   | 5.0   | 5.0   | 5.0   | 4.0   | 4.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 82.5° | 3.0   | 3.0   | 3.0   | 2.0   | 2.0   | 2.0   | 2.0   | 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)