Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P3ART09R70W2N902750DE010 E3LDWW1WH_2700K

Issue Date: 5/8/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**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: | P3ART09R70W2N902750DE010 E3LDWW1WH_2700K |
| Description: | 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LDWW1WH TRIM |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 466.0 lumens |
| Efficiency: | N/A |
| Efficacy: | 51.8 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 |

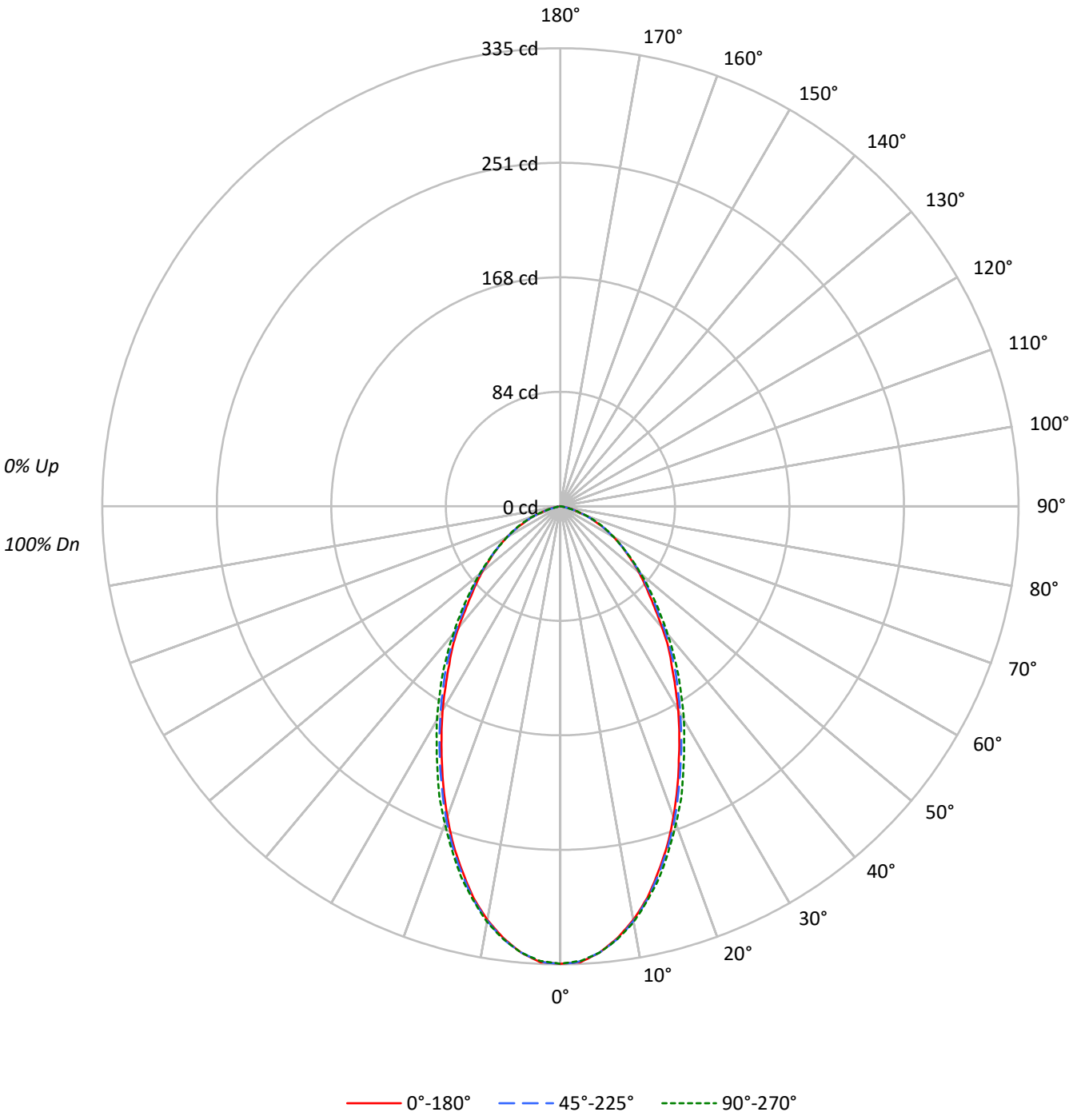
| | |
|---|---|
| Input Watts (W): | 9 |
| Input Voltage (V): | NR |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | NR |
| Total Harmonic Distortion (THDi): | NR |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 24 FT |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LDWW1WH_2700K

## Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LDWW1WH_2700K

## COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 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° | 73371 | 73371 | 73371 |
| 5° | 72133 | 72133 | 72133 |
| 10° | 68380 | 68558 | 68736 |
| 15° | 62793 | 63156 | 63678 |
| 20° | 56378 | 56915 | 57615 |
| 25° | 49600 | 50350 | 51438 |
| 30° | 43602 | 44387 | 45729 |
| 35° | 37959 | 39163 | 40181 |
| 40° | 33148 | 34035 | 34894 |
| 45° | 28592 | 29553 | 30267 |
| 50° | 25483 | 25995 | 26268 |
| 55° | 22441 | 22709 | 22709 |
| 60° | 19735 | 19384 | 19735 |
| 65° | 16189 | 16604 | 17019 |
| 70° | 12694 | 12694 | 13207 |
| 75° | 8388 | 7710 | 7710 |
| 80° | 4799 | 3788 | 2904 |
| 85° | 2013 | 0 | 0 |

## MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
Vertical Angle: 45°
Luminance: 30267 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LDWW1WH_2700K

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 30.7 | 6.6 |
| 10°-20° | 77.7 | 16.7 |
| 20°-30° | 95.8 | 20.6 |
| 30°-40° | 91.3 | 19.6 |
| 40°-50° | 73.9 | 15.9 |
| 50°-60° | 53.2 | 11.4 |
| 60°-70° | 31.9 | 6.8 |
| 70°-80° | 10.7 | 2.3 |
| 80°-90° | 0.9 | 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° | 204.2 | 43.8 |
| 0°-40° | 295.5 | 63.4 |
| 0°-60° | 422.6 | 90.7 |
| 0°-90° | 466.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 466.0 | 100.0 |

**CANDELA DISTRIBUTION:**

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|---|---|---|---|---|---|---|
| 0° | 335 | 335 | 335 | 335 | 335 | |
| 5° | 328 | 328 | 328 | 328 | 328 | 31 |
| 15° | 277 | 277 | 278 | 279 | 280 | 77 |
| 25° | 205 | 206 | 208 | 211 | 213 | 94 |
| 35° | 142 | 143 | 146 | 149 | 150 | 89 |
| 45° | 92 | 94 | 95 | 97 | 98 | 72 |
| 55° | 59 | 59 | 59 | 59 | 59 | 53 |
| 65° | 31 | 32 | 32 | 33 | 33 | 31 |
| 75° | 10 | 10 | 9 | 9 | 9 | 11 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P#
CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LDWW1WH_2700K

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 334.6 | 334.6 | 334.6 | 334.6 | 334.6 | 334.6 | 334.6 | 334.6 | 334.6 | 334.6 | 334.6 |
| 2° | 333.8 | 333.8 | 333.8 | 333.8 | 333.8 | 333.8 | 333.8 | 333.8 | 333.8 | 333.8 | 333.0 |
| 2.5° | 333.8 | 333.0 | 333.0 | 333.0 | 333.0 | 333.0 | 333.0 | 333.0 | 333.0 | 333.8 | 333.0 |
| 5° | 327.7 | 327.7 | 327.7 | 327.7 | 327.7 | 327.7 | 327.7 | 327.7 | 328.5 | 327.7 | 327.7 |
| 7.5° | 318.6 | 318.6 | 318.6 | 318.6 | 319.3 | 319.3 | 319.3 | 319.3 | 320.1 | 320.1 | 319.3 |
| 10° | 307.1 | 307.1 | 307.1 | 307.1 | 307.9 | 307.9 | 308.7 | 307.9 | 307.9 | 308.7 | 308.7 |
| 12.5° | 293.4 | 292.7 | 292.7 | 292.7 | 293.4 | 294.2 | 294.2 | 294.2 | 294.9 | 294.9 | 294.9 |
| 15° | 276.6 | 276.6 | 276.6 | 277.4 | 277.4 | 278.2 | 278.9 | 278.9 | 279.7 | 279.7 | 280.5 |
| 17.5° | 259.9 | 259.9 | 259.1 | 259.9 | 260.6 | 261.4 | 262.2 | 262.9 | 263.7 | 263.7 | 263.7 |
| 20° | 241.6 | 240.8 | 241.6 | 242.4 | 243.1 | 243.9 | 244.6 | 246.2 | 246.9 | 246.9 | 246.9 |
| 22.5° | 223.3 | 222.5 | 223.3 | 224.1 | 224.8 | 225.6 | 227.9 | 228.6 | 229.4 | 229.4 | 230.9 |
| 25° | 205.0 | 205.0 | 205.8 | 206.5 | 207.3 | 208.1 | 209.6 | 211.1 | 211.9 | 212.6 | 212.6 |
| 27.5° | 188.2 | 188.2 | 188.2 | 188.2 | 189.8 | 191.3 | 192.8 | 194.3 | 195.1 | 195.9 | 195.9 |
| 30° | 172.2 | 171.5 | 171.5 | 172.2 | 173.8 | 175.3 | 176.8 | 178.3 | 179.1 | 179.9 | 180.6 |
| 32.5° | 156.2 | 156.2 | 156.2 | 157.0 | 157.8 | 160.0 | 161.6 | 162.3 | 163.9 | 164.6 | 164.6 |
| 35° | 141.8 | 141.8 | 141.8 | 143.3 | 144.8 | 146.3 | 147.1 | 148.6 | 150.1 | 150.1 | 150.1 |
| 37.5° | 129.6 | 130.3 | 131.8 | 131.1 | 131.1 | 131.8 | 132.6 | 134.1 | 135.7 | 135.7 | 135.7 |
| 40° | 115.8 | 116.6 | 117.4 | 116.6 | 117.4 | 118.9 | 119.7 | 120.4 | 121.2 | 121.9 | 121.9 |
| 42.5° | 102.9 | 102.9 | 102.9 | 103.6 | 105.2 | 105.9 | 107.5 | 108.2 | 109.0 | 109.0 | 109.0 |
| 45° | 92.2 | 92.2 | 93.0 | 93.7 | 94.5 | 95.3 | 96.0 | 96.8 | 97.6 | 97.6 | 97.6 |
| 47.5° | 83.1 | 83.1 | 83.8 | 83.8 | 84.6 | 85.4 | 86.1 | 86.1 | 86.9 | 87.6 | 86.9 |
| 50° | 74.7 | 74.7 | 74.7 | 75.4 | 75.4 | 76.2 | 76.2 | 77.0 | 77.0 | 77.0 | 77.0 |
| 52.5° | 66.3 | 66.3 | 66.3 | 66.3 | 67.1 | 67.1 | 67.1 | 67.8 | 67.8 | 67.8 | 67.8 |
| 55° | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| 57.5° | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 60° | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 44.2 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 62.5° | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.9 | 38.9 | 38.9 | 38.9 |
| 65° | 31.2 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.8 | 32.8 | 32.8 | 32.8 |
| 67.5° | 25.1 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 | 26.7 | 26.7 | 26.7 |
| 70° | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 19.8 | 20.6 |
| 72.5° | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 13.7 | 14.5 | 14.5 | 14.5 |
| 75° | 9.9 | 9.9 | 9.9 | 9.9 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 77.5° | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 4.6 |
| 80° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.0 | 3.0 | 2.3 | 2.3 | 2.3 | 2.3 |
| 82.5° | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 1.5 | 1.5 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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)