

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 E3LDWW1WH\_2700K

Issue Date: 5/8/2026

**Test Information**

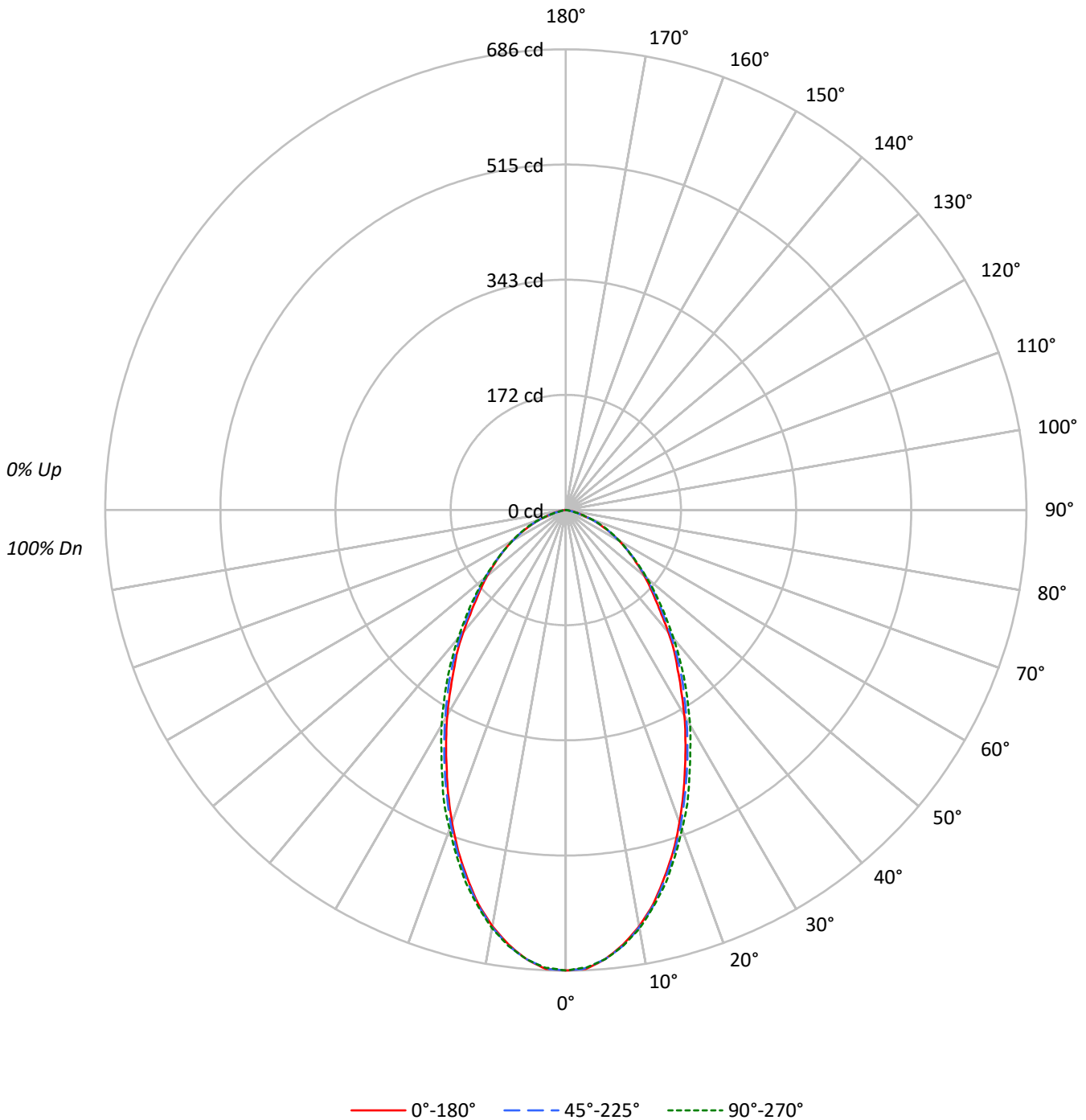
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902750DE010 E3LDWW1WH\_2700K  
Description: 3in 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: 955.0 lumens  
Efficiency: N/A  
Efficacy: 49.2 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  | 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°  | 150339 | 150339 | 150339 |
| 5°  | 147831 | 147831 | 147831 |
| 10° | 140144 | 140501 | 140835 |
| 15° | 128695 | 129422 | 130489 |
| 20° | 115533 | 116630 | 118077 |
| 25° | 101643 | 103167 | 105442 |
| 30° | 89381  | 90951  | 93736  |
| 35° | 77765  | 80281  | 82369  |
| 40° | 67956  | 69731  | 71534  |
| 45° | 58611  | 60533  | 61991  |
| 50° | 52229  | 53286  | 53798  |
| 55° | 45991  | 46565  | 46565  |
| 60° | 40392  | 39734  | 40392  |
| 65° | 33207  | 34037  | 34868  |
| 70° | 26030  | 26030  | 27056  |
| 75° | 17199  | 15843  | 15843  |
| 80° | 9850   | 7829   | 5935   |
| 85° | 4026   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 61991 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 62.8   | 6.6       |
| 10°-20°   | 159.2  | 16.7      |
| 20°-30°   | 196.4  | 20.6      |
| 30°-40°   | 187.1  | 19.6      |
| 40°-50°   | 151.4  | 15.9      |
| 50°-60°   | 109.0  | 11.4      |
| 60°-70°   | 65.3   | 6.8       |
| 70°-80°   | 21.9   | 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°    | 418.4  | 43.8      |
| 0°-40°    | 605.5  | 63.4      |
| 0°-60°    | 866.0  | 90.7      |
| 0°-90°    | 955.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 955.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 686 | 686   | 686 | 686   | 686 |      |
| 5°  | 672 | 672   | 672 | 672   | 672 | 63   |
| 15° | 567 | 568   | 570 | 572   | 575 | 158  |
| 25° | 420 | 423   | 426 | 433   | 436 | 193  |
| 35° | 290 | 293   | 300 | 305   | 308 | 183  |
| 45° | 189 | 192   | 195 | 199   | 200 | 147  |
| 55° | 120 | 120   | 122 | 122   | 122 | 108  |
| 65° | 64  | 66    | 66  | 67    | 67  | 64   |
| 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°    | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 | 685.6 |
| 2°    | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 684.1 | 682.5 |
| 2.5°  | 684.1 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 682.5 | 684.1 | 682.5 |
| 5°    | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 671.6 | 673.2 | 671.6 | 671.6 |
| 7.5°  | 652.8 | 652.8 | 652.8 | 652.8 | 654.4 | 654.4 | 654.4 | 654.4 | 656.0 | 656.0 | 654.4 |
| 10°   | 629.4 | 629.4 | 629.4 | 629.4 | 631.0 | 631.0 | 632.5 | 631.0 | 631.0 | 632.5 | 632.5 |
| 12.5° | 601.3 | 599.7 | 599.7 | 599.7 | 601.3 | 602.9 | 602.9 | 602.9 | 604.4 | 604.4 | 604.4 |
| 15°   | 566.9 | 566.9 | 566.9 | 568.5 | 568.5 | 570.1 | 571.6 | 571.6 | 573.2 | 573.2 | 574.8 |
| 17.5° | 532.6 | 532.6 | 531.0 | 532.6 | 534.1 | 535.7 | 537.3 | 538.8 | 540.4 | 540.4 | 540.4 |
| 20°   | 495.1 | 493.5 | 495.1 | 496.7 | 498.2 | 499.8 | 501.3 | 504.5 | 506.0 | 506.0 | 506.0 |
| 22.5° | 457.6 | 456.1 | 457.6 | 459.2 | 460.7 | 462.3 | 467.0 | 468.6 | 470.1 | 470.1 | 473.2 |
| 25°   | 420.1 | 420.1 | 421.7 | 423.3 | 424.8 | 426.4 | 429.5 | 432.6 | 434.2 | 435.8 | 435.8 |
| 27.5° | 385.8 | 385.8 | 385.8 | 385.8 | 388.9 | 392.0 | 395.1 | 398.3 | 399.8 | 401.4 | 401.4 |
| 30°   | 353.0 | 351.4 | 351.4 | 353.0 | 356.1 | 359.2 | 362.3 | 365.5 | 367.0 | 368.6 | 370.2 |
| 32.5° | 320.2 | 320.2 | 320.2 | 321.7 | 323.3 | 328.0 | 331.1 | 332.7 | 335.8 | 337.4 | 337.4 |
| 35°   | 290.5 | 290.5 | 290.5 | 293.6 | 296.7 | 299.9 | 301.4 | 304.6 | 307.7 | 307.7 | 307.7 |
| 37.5° | 265.5 | 267.1 | 270.2 | 268.6 | 268.6 | 270.2 | 271.8 | 274.9 | 278.0 | 278.0 | 278.0 |
| 40°   | 237.4 | 239.0 | 240.5 | 239.0 | 240.5 | 243.6 | 245.2 | 246.8 | 248.3 | 249.9 | 249.9 |
| 42.5° | 210.8 | 210.8 | 210.8 | 212.4 | 215.5 | 217.1 | 220.2 | 221.8 | 223.3 | 223.3 | 223.3 |
| 45°   | 189.0 | 189.0 | 190.5 | 192.1 | 193.7 | 195.2 | 196.8 | 198.4 | 199.9 | 199.9 | 199.9 |
| 47.5° | 170.2 | 170.2 | 171.8 | 171.8 | 173.4 | 174.9 | 176.5 | 176.5 | 178.0 | 179.6 | 178.0 |
| 50°   | 153.1 | 153.1 | 153.1 | 154.6 | 154.6 | 156.2 | 156.2 | 157.7 | 157.7 | 157.7 | 157.7 |
| 52.5° | 135.9 | 135.9 | 135.9 | 135.9 | 137.4 | 137.4 | 137.4 | 139.0 | 139.0 | 139.0 | 139.0 |
| 55°   | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 121.8 | 121.8 | 121.8 | 121.8 | 121.8 | 121.8 |
| 57.5° | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 |
| 60°   | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 90.6  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  |
| 62.5° | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 79.7  | 79.7  | 79.7  | 79.7  |
| 65°   | 64.0  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 67.2  | 67.2  | 67.2  | 67.2  |
| 67.5° | 51.5  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 53.1  | 54.7  | 54.7  | 54.7  |
| 70°   | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 40.6  | 42.2  |
| 72.5° | 28.1  | 28.1  | 28.1  | 28.1  | 28.1  | 28.1  | 28.1  | 28.1  | 29.7  | 29.7  | 29.7  |
| 75°   | 20.3  | 20.3  | 20.3  | 20.3  | 18.7  | 18.7  | 18.7  | 18.7  | 18.7  | 18.7  | 18.7  |
| 77.5° | 14.1  | 14.1  | 14.1  | 12.5  | 12.5  | 10.9  | 10.9  | 10.9  | 10.9  | 10.9  | 9.4   |
| 80°   | 7.8   | 7.8   | 7.8   | 7.8   | 7.8   | 6.2   | 6.2   | 4.7   | 4.7   | 4.7   | 4.7   |
| 82.5° | 4.7   | 4.7   | 4.7   | 3.1   | 3.1   | 3.1   | 3.1   | 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)