

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: P3ART02R70B2750DE010 E3LDWW1WH\_2700K

Issue Date: 5/8/2026

**Test Information**

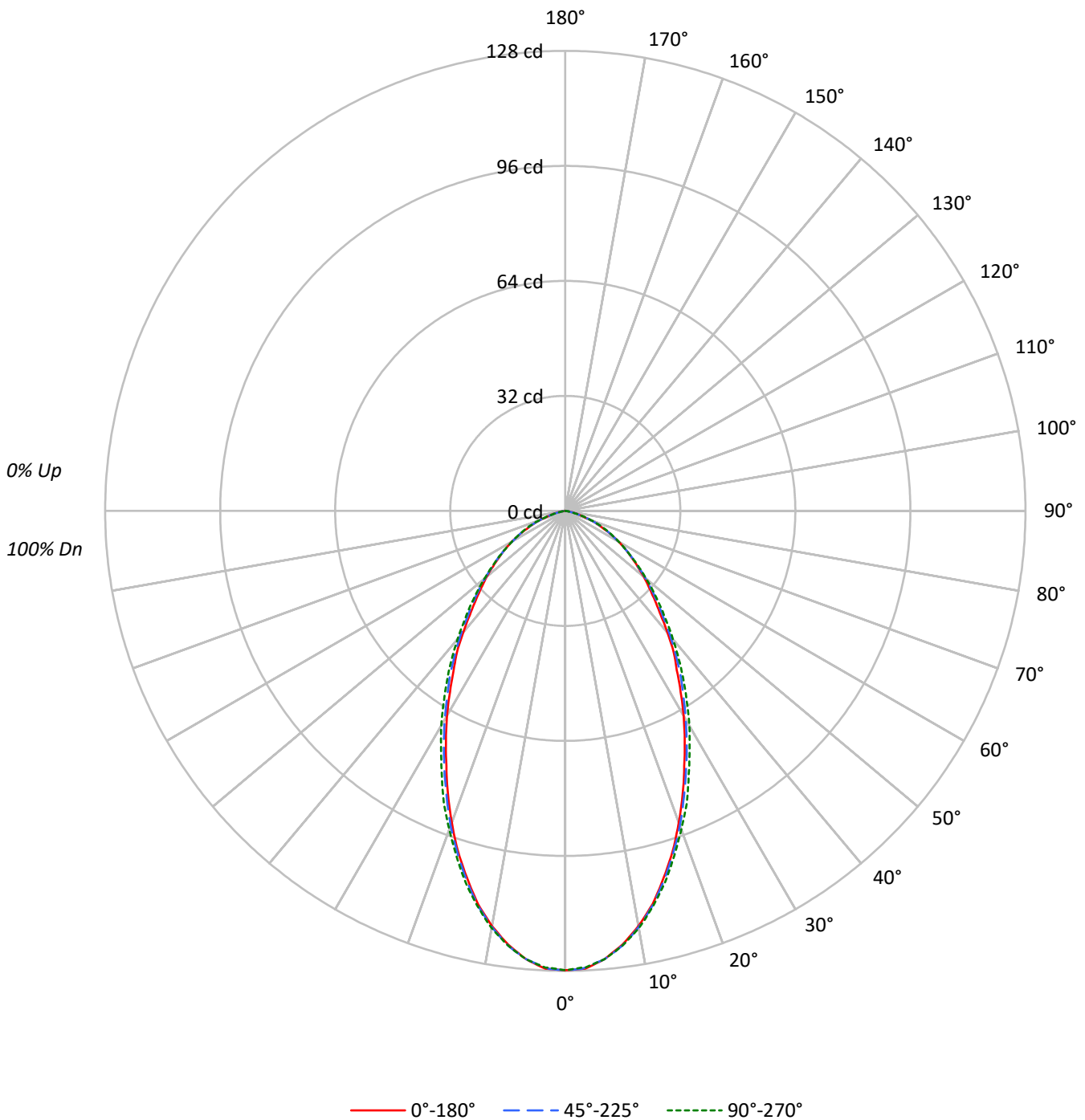
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R70B2750DE010 E3LDWW1WH\_2700K  
Description: 3in Adjustable Boosted Cyan 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: 178.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 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): 2.9  
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  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  | 97  | 95  | 94  | 94  | 92  | 91  | 91  | 91  | 91  | 89  |
| 2   | 103 | 97  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 87  | 84  | 88  | 85  | 82  | 85  | 83  | 80  | 80  | 80  | 80  | 78  |
| 3   | 96  | 87  | 81  | 75  | 94  | 86  | 80  | 75  | 83  | 78  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 71  | 71  | 71  | 69  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 63  | 61  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 57  | 66  | 61  | 57  | 57  | 57  | 57  | 55  |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 51  | 51  | 51  | 50  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  | 57  | 52  | 47  | 56  | 51  | 47  | 47  | 47  | 47  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 49  | 44  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 43  | 43  | 43  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 40  | 40  | 40  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 47  | 41  | 37  | 47  | 41  | 37  | 46  | 40  | 37  | 37  | 37  | 37  | 35  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 28024 | 28024 | 28024 |
| 5°  | 27559 | 27559 | 27559 |
| 10° | 26118 | 26185 | 26252 |
| 15° | 23996 | 24132 | 24313 |
| 20° | 21539 | 21749 | 22005 |
| 25° | 18945 | 19235 | 19646 |
| 30° | 16661 | 16965 | 17471 |
| 35° | 14482 | 14964 | 15339 |
| 40° | 12652 | 12996 | 13339 |
| 45° | 10916 | 11288 | 11567 |
| 50° | 9722  | 9927  | 10030 |
| 55° | 8564  | 8678  | 8678  |
| 60° | 7543  | 7412  | 7543  |
| 65° | 6174  | 6330  | 6486  |
| 70° | 4873  | 4873  | 5065  |
| 75° | 3219  | 2965  | 2965  |
| 80° | 1894  | 1515  | 1137  |
| 85° | 755   | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 11567 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 11.7   | 6.6       |
| 10°-20°   | 29.7   | 16.7      |
| 20°-30°   | 36.6   | 20.6      |
| 30°-40°   | 34.9   | 19.6      |
| 40°-50°   | 28.2   | 15.9      |
| 50°-60°   | 20.3   | 11.4      |
| 60°-70°   | 12.2   | 6.8       |
| 70°-80°   | 4.1    | 2.3       |
| 80°-90°   | 0.4    | 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°    | 78.0   | 43.8      |
| 0°-40°    | 112.9  | 63.4      |
| 0°-60°    | 161.4  | 90.7      |
| 0°-90°    | 178.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 178.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 128 | 128   | 128 | 128   | 128 |      |
| 5°  | 125 | 125   | 125 | 125   | 125 | 12   |
| 15° | 106 | 106   | 106 | 107   | 107 | 30   |
| 25° | 78  | 79    | 80  | 81    | 81  | 36   |
| 35° | 54  | 55    | 56  | 57    | 57  | 34   |
| 45° | 35  | 36    | 36  | 37    | 37  | 27   |
| 55° | 22  | 22    | 23  | 23    | 23  | 20   |
| 65° | 12  | 12    | 12  | 12    | 12  | 12   |
| 75° | 4   | 4     | 4   | 4     | 4   | 4    |
| 85° | 0   | 0     | 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°    | 127.8 | 127.8 | 127.8 | 127.8 | 127.8 | 127.8 | 127.8 | 127.8 | 127.8 | 127.8 | 127.8 |
| 2°    | 127.5 | 127.5 | 127.5 | 127.5 | 127.5 | 127.5 | 127.5 | 127.5 | 127.5 | 127.5 | 127.2 |
| 2.5°  | 127.5 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.2 | 127.5 | 127.2 |
| 5°    | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 | 125.2 | 125.5 | 125.2 | 125.2 |
| 7.5°  | 121.7 | 121.7 | 121.7 | 121.7 | 122.0 | 122.0 | 122.0 | 122.0 | 122.3 | 122.3 | 122.0 |
| 10°   | 117.3 | 117.3 | 117.3 | 117.3 | 117.6 | 117.6 | 117.9 | 117.6 | 117.6 | 117.9 | 117.9 |
| 12.5° | 112.1 | 111.8 | 111.8 | 111.8 | 112.1 | 112.4 | 112.4 | 112.4 | 112.7 | 112.7 | 112.7 |
| 15°   | 105.7 | 105.7 | 105.7 | 106.0 | 106.0 | 106.3 | 106.5 | 106.5 | 106.8 | 106.8 | 107.1 |
| 17.5° | 99.3  | 99.3  | 99.0  | 99.3  | 99.6  | 99.8  | 100.1 | 100.4 | 100.7 | 100.7 | 100.7 |
| 20°   | 92.3  | 92.0  | 92.3  | 92.6  | 92.9  | 93.2  | 93.4  | 94.0  | 94.3  | 94.3  | 94.3  |
| 22.5° | 85.3  | 85.0  | 85.3  | 85.6  | 85.9  | 86.2  | 87.0  | 87.3  | 87.6  | 87.6  | 88.2  |
| 25°   | 78.3  | 78.3  | 78.6  | 78.9  | 79.2  | 79.5  | 80.1  | 80.6  | 80.9  | 81.2  | 81.2  |
| 27.5° | 71.9  | 71.9  | 71.9  | 71.9  | 72.5  | 73.1  | 73.6  | 74.2  | 74.5  | 74.8  | 74.8  |
| 30°   | 65.8  | 65.5  | 65.5  | 65.8  | 66.4  | 67.0  | 67.5  | 68.1  | 68.4  | 68.7  | 69.0  |
| 32.5° | 59.7  | 59.7  | 59.7  | 60.0  | 60.3  | 61.1  | 61.7  | 62.0  | 62.6  | 62.9  | 62.9  |
| 35°   | 54.1  | 54.1  | 54.1  | 54.7  | 55.3  | 55.9  | 56.2  | 56.8  | 57.3  | 57.3  | 57.3  |
| 37.5° | 49.5  | 49.8  | 50.4  | 50.1  | 50.1  | 50.4  | 50.7  | 51.2  | 51.8  | 51.8  | 51.8  |
| 40°   | 44.2  | 44.5  | 44.8  | 44.5  | 44.8  | 45.4  | 45.7  | 46.0  | 46.3  | 46.6  | 46.6  |
| 42.5° | 39.3  | 39.3  | 39.3  | 39.6  | 40.2  | 40.5  | 41.0  | 41.3  | 41.6  | 41.6  | 41.6  |
| 45°   | 35.2  | 35.2  | 35.5  | 35.8  | 36.1  | 36.4  | 36.7  | 37.0  | 37.3  | 37.3  | 37.3  |
| 47.5° | 31.7  | 31.7  | 32.0  | 32.0  | 32.3  | 32.6  | 32.9  | 32.9  | 33.2  | 33.5  | 33.2  |
| 50°   | 28.5  | 28.5  | 28.5  | 28.8  | 28.8  | 29.1  | 29.1  | 29.4  | 29.4  | 29.4  | 29.4  |
| 52.5° | 25.3  | 25.3  | 25.3  | 25.3  | 25.6  | 25.6  | 25.6  | 25.9  | 25.9  | 25.9  | 25.9  |
| 55°   | 22.4  | 22.4  | 22.4  | 22.4  | 22.4  | 22.7  | 22.7  | 22.7  | 22.7  | 22.7  | 22.7  |
| 57.5° | 19.8  | 19.8  | 19.8  | 19.8  | 19.8  | 19.8  | 19.8  | 19.8  | 19.8  | 19.8  | 19.8  |
| 60°   | 17.2  | 17.2  | 17.2  | 17.2  | 17.2  | 16.9  | 17.2  | 17.2  | 17.2  | 17.2  | 17.2  |
| 62.5° | 14.6  | 14.6  | 14.6  | 14.6  | 14.6  | 14.6  | 14.6  | 14.8  | 14.8  | 14.8  | 14.8  |
| 65°   | 11.9  | 12.2  | 12.2  | 12.2  | 12.2  | 12.2  | 12.2  | 12.5  | 12.5  | 12.5  | 12.5  |
| 67.5° | 9.6   | 9.9   | 9.9   | 9.9   | 9.9   | 9.9   | 9.9   | 9.9   | 10.2  | 10.2  | 10.2  |
| 70°   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.6   | 7.9   |
| 72.5° | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.5   | 5.5   | 5.5   |
| 75°   | 3.8   | 3.8   | 3.8   | 3.8   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 77.5° | 2.6   | 2.6   | 2.6   | 2.3   | 2.3   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 1.7   |
| 80°   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.2   | 1.2   | 0.9   | 0.9   | 0.9   | 0.9   |
| 82.5° | 0.9   | 0.9   | 0.9   | 0.6   | 0.6   | 0.6   | 0.6   | 0.3   | 0.3   | 0.3   | 0.3   |
| 85°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   | 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)