

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: P3ART05R70B2750DE010 E3LDWW1B\_2700K

Issue Date: 5/8/2026

**Test Information**

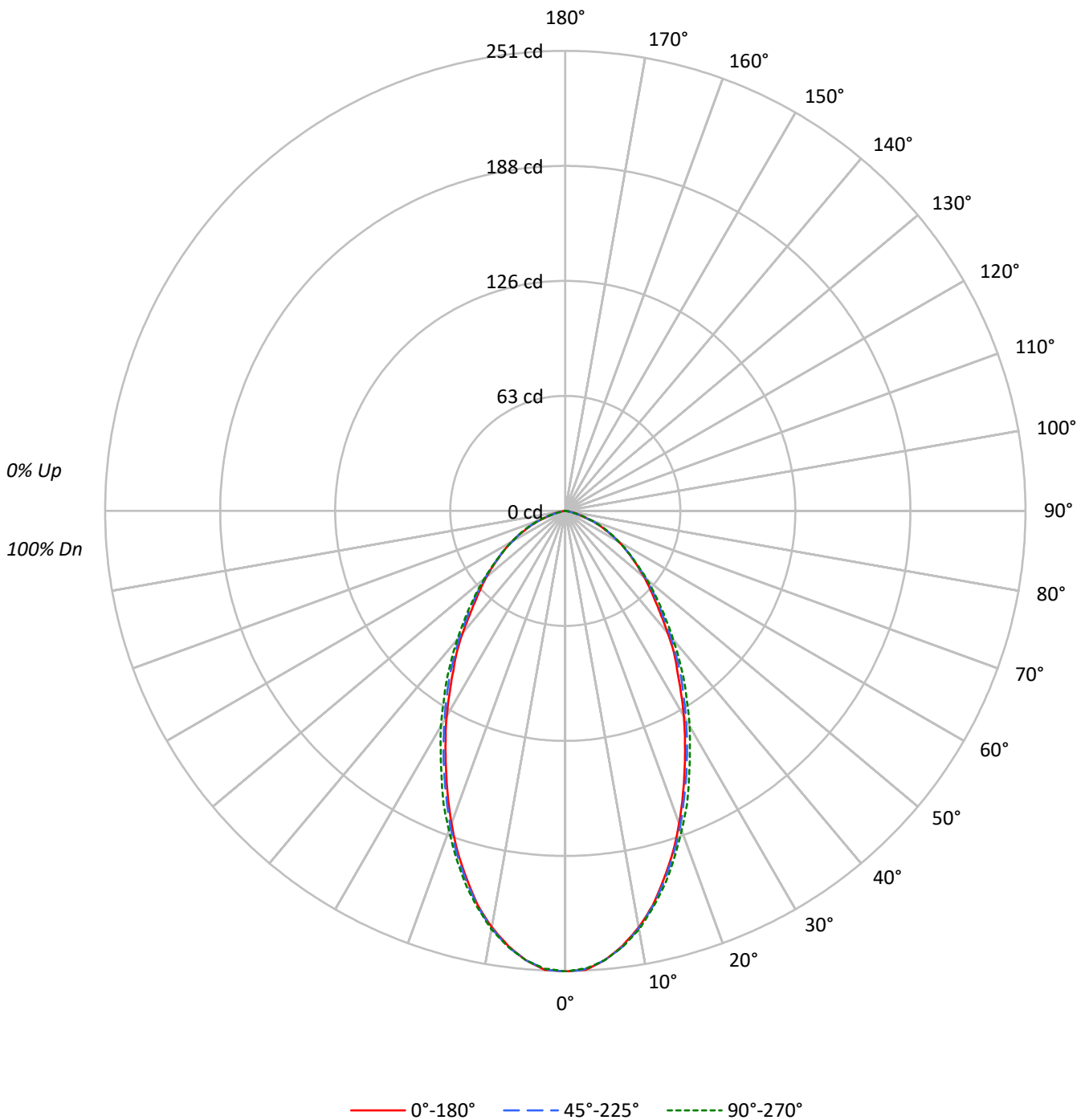
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART05R70B2750DE010 E3LDWW1B\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LDWW1B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 350.0 lumens  
Efficiency: N/A  
Efficacy: 59.3 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  | 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°  | 55105 | 55105 | 55105 |
| 5°  | 54171 | 54171 | 54171 |
| 10° | 51368 | 51480 | 51613 |
| 15° | 47174 | 47424 | 47810 |
| 20° | 42354 | 42750 | 43287 |
| 25° | 37260 | 37817 | 38639 |
| 30° | 32765 | 33347 | 34360 |
| 35° | 28509 | 29419 | 30196 |
| 40° | 24904 | 25562 | 26221 |
| 45° | 21491 | 22204 | 22731 |
| 50° | 19138 | 19513 | 19718 |
| 55° | 16860 | 17051 | 17051 |
| 60° | 14823 | 14560 | 14823 |
| 65° | 12193 | 12453 | 12764 |
| 70° | 9553  | 9553  | 9938  |
| 75° | 6270  | 5846  | 5846  |
| 80° | 3662  | 2904  | 2147  |
| 85° | 1510  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 22731 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.0   | 6.6       |
| 10°-20°   | 58.4   | 16.7      |
| 20°-30°   | 72.0   | 20.6      |
| 30°-40°   | 68.6   | 19.6      |
| 40°-50°   | 55.5   | 15.9      |
| 50°-60°   | 40.0   | 11.4      |
| 60°-70°   | 23.9   | 6.8       |
| 70°-80°   | 8.0    | 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°    | 153.3  | 43.8      |
| 0°-40°    | 221.9  | 63.4      |
| 0°-60°    | 317.4  | 90.7      |
| 0°-90°    | 350.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 350.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 251 | 251   | 251 | 251   | 251 |      |
| 5°  | 246 | 246   | 246 | 246   | 246 | 23   |
| 15° | 208 | 208   | 209 | 210   | 211 | 58   |
| 25° | 154 | 155   | 156 | 159   | 160 | 71   |
| 35° | 106 | 107   | 110 | 112   | 113 | 67   |
| 45° | 69  | 70    | 72  | 73    | 73  | 54   |
| 55° | 44  | 44    | 45  | 45    | 45  | 40   |
| 65° | 24  | 24    | 24  | 25    | 25  | 24   |
| 75° | 7   | 7     | 7   | 7     | 7   | 8    |
| 85° | 1   | 1     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P#  
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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 251.3 | 251.3 | 251.3 | 251.3 | 251.3 | 251.3 | 251.3 | 251.3 | 251.3 | 251.3 | 251.3 |
| 2°    | 250.7 | 250.7 | 250.7 | 250.7 | 250.7 | 250.7 | 250.7 | 250.7 | 250.7 | 250.7 | 250.1 |
| 2.5°  | 250.7 | 250.1 | 250.1 | 250.1 | 250.1 | 250.1 | 250.1 | 250.1 | 250.1 | 250.7 | 250.1 |
| 5°    | 246.1 | 246.1 | 246.1 | 246.1 | 246.1 | 246.1 | 246.1 | 246.1 | 246.7 | 246.1 | 246.1 |
| 7.5°  | 239.3 | 239.3 | 239.3 | 239.3 | 239.8 | 239.8 | 239.8 | 239.8 | 240.4 | 240.4 | 239.8 |
| 10°   | 230.7 | 230.7 | 230.7 | 230.7 | 231.2 | 231.2 | 231.8 | 231.2 | 231.2 | 231.8 | 231.8 |
| 12.5° | 220.4 | 219.8 | 219.8 | 219.8 | 220.4 | 220.9 | 220.9 | 220.9 | 221.5 | 221.5 | 221.5 |
| 15°   | 207.8 | 207.8 | 207.8 | 208.4 | 208.4 | 208.9 | 209.5 | 209.5 | 210.1 | 210.1 | 210.6 |
| 17.5° | 195.2 | 195.2 | 194.6 | 195.2 | 195.8 | 196.3 | 196.9 | 197.5 | 198.1 | 198.1 | 198.1 |
| 20°   | 181.5 | 180.9 | 181.5 | 182.0 | 182.6 | 183.2 | 183.7 | 184.9 | 185.5 | 185.5 | 185.5 |
| 22.5° | 167.7 | 167.1 | 167.7 | 168.3 | 168.9 | 169.4 | 171.1 | 171.7 | 172.3 | 172.3 | 173.4 |
| 25°   | 154.0 | 154.0 | 154.5 | 155.1 | 155.7 | 156.3 | 157.4 | 158.6 | 159.1 | 159.7 | 159.7 |
| 27.5° | 141.4 | 141.4 | 141.4 | 141.4 | 142.5 | 143.7 | 144.8 | 146.0 | 146.5 | 147.1 | 147.1 |
| 30°   | 129.4 | 128.8 | 128.8 | 129.4 | 130.5 | 131.7 | 132.8 | 133.9 | 134.5 | 135.1 | 135.7 |
| 32.5° | 117.3 | 117.3 | 117.3 | 117.9 | 118.5 | 120.2 | 121.3 | 121.9 | 123.1 | 123.6 | 123.6 |
| 35°   | 106.5 | 106.5 | 106.5 | 107.6 | 108.8 | 109.9 | 110.5 | 111.6 | 112.8 | 112.8 | 112.8 |
| 37.5° | 97.3  | 97.9  | 99.0  | 98.5  | 98.5  | 99.0  | 99.6  | 100.7 | 101.9 | 101.9 | 101.9 |
| 40°   | 87.0  | 87.6  | 88.1  | 87.6  | 88.1  | 89.3  | 89.9  | 90.4  | 91.0  | 91.6  | 91.6  |
| 42.5° | 77.3  | 77.3  | 77.3  | 77.8  | 79.0  | 79.6  | 80.7  | 81.3  | 81.9  | 81.9  | 81.9  |
| 45°   | 69.3  | 69.3  | 69.8  | 70.4  | 71.0  | 71.6  | 72.1  | 72.7  | 73.3  | 73.3  | 73.3  |
| 47.5° | 62.4  | 62.4  | 63.0  | 63.0  | 63.5  | 64.1  | 64.7  | 64.7  | 65.3  | 65.8  | 65.3  |
| 50°   | 56.1  | 56.1  | 56.1  | 56.7  | 56.7  | 57.2  | 57.2  | 57.8  | 57.8  | 57.8  | 57.8  |
| 52.5° | 49.8  | 49.8  | 49.8  | 49.8  | 50.4  | 50.4  | 50.4  | 50.9  | 50.9  | 50.9  | 50.9  |
| 55°   | 44.1  | 44.1  | 44.1  | 44.1  | 44.1  | 44.6  | 44.6  | 44.6  | 44.6  | 44.6  | 44.6  |
| 57.5° | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  |
| 60°   | 33.8  | 33.8  | 33.8  | 33.8  | 33.8  | 33.2  | 33.8  | 33.8  | 33.8  | 33.8  | 33.8  |
| 62.5° | 28.6  | 28.6  | 28.6  | 28.6  | 28.6  | 28.6  | 28.6  | 29.2  | 29.2  | 29.2  | 29.2  |
| 65°   | 23.5  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.0  | 24.6  | 24.6  | 24.6  | 24.6  |
| 67.5° | 18.9  | 19.5  | 19.5  | 19.5  | 19.5  | 19.5  | 19.5  | 19.5  | 20.0  | 20.0  | 20.0  |
| 70°   | 14.9  | 14.9  | 14.9  | 14.9  | 14.9  | 14.9  | 14.9  | 14.9  | 14.9  | 14.9  | 15.5  |
| 72.5° | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.9  | 10.9  | 10.9  |
| 75°   | 7.4   | 7.4   | 7.4   | 7.4   | 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   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   | 3.4   |
| 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   | 1.1   | 1.1   | 1.1   | 1.1   | 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)