

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: P1283285

Luminaire Tested: P3AS09R35B2750DE010 E3PHLD1MW\_4000K

Issue Date: 1/29/2026

**Test Information**

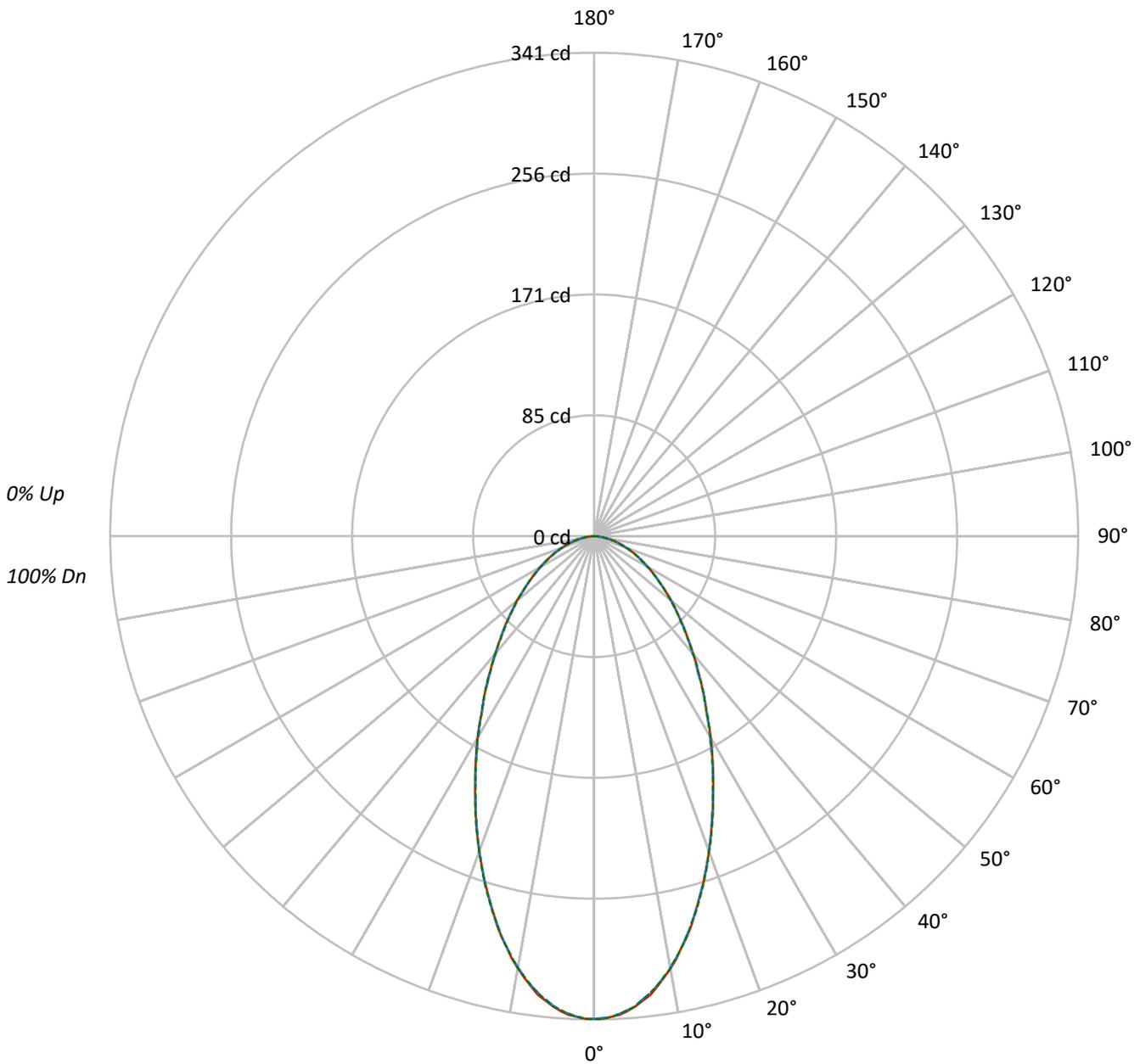
Test Method: LM-79-2019  
Report Number: P1283285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3AS09R35B2750DE010 E3PHLD1MW\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 80CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 455.0 lumens  
Efficiency: N/A  
Efficacy: 34.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 13.1  
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



— 0°-180°    - - - 45°-225°    - · - · - 90°-270°



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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 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  | 97  | 95  | 93  | 93  | 91  | 90  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 84  | 81  | 79  | 77  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 62  | 60  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  | 66  | 61  | 56  | 65  | 60  | 56  | 54  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 46  | 55  | 50  | 46  | 44  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  | 49  | 44  | 39  | 48  | 43  | 39  | 38  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 45  | 40  | 36  | 35  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 74687 | 74687 | 74687 |
| 5°  | 73299 | 73167 | 73299 |
| 10° | 68914 | 68781 | 68914 |
| 15° | 62384 | 62384 | 62520 |
| 20° | 55211 | 55211 | 55211 |
| 25° | 48027 | 47882 | 47882 |
| 30° | 41627 | 41323 | 41475 |
| 35° | 35844 | 35683 | 35844 |
| 40° | 31087 | 30915 | 31087 |
| 45° | 27321 | 27135 | 27135 |
| 50° | 24255 | 24050 | 24050 |
| 55° | 21333 | 21333 | 21333 |
| 60° | 19297 | 19077 | 19297 |
| 65° | 17382 | 17382 | 17382 |
| 70° | 15451 | 15451 | 15451 |
| 75° | 13895 | 13471 | 13895 |
| 80° | 11870 | 11870 | 11870 |
| 85° | 7296  | 7296  | 7296  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 27321 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.0   | 6.8       |
| 10°-20°   | 76.7   | 16.8      |
| 20°-30°   | 91.1   | 20.0      |
| 30°-40°   | 83.7   | 18.4      |
| 40°-50°   | 68.0   | 14.9      |
| 50°-60°   | 50.3   | 11.1      |
| 60°-70°   | 33.3   | 7.3       |
| 70°-80°   | 17.2   | 3.8       |
| 80°-90°   | 3.9    | 0.9       |
| 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°    | 198.7  | 43.7      |
| 0°-40°    | 282.4  | 62.1      |
| 0°-60°    | 400.7  | 88.1      |
| 0°-90°    | 455.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 455.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 341 | 341   | 341 | 341   | 341 |      |
| 5°  | 333 | 332   | 332 | 332   | 333 | 31   |
| 15° | 275 | 275   | 275 | 275   | 275 | 77   |
| 25° | 198 | 198   | 198 | 198   | 198 | 91   |
| 35° | 134 | 133   | 133 | 134   | 134 | 84   |
| 45° | 88  | 88    | 88  | 88    | 88  | 68   |
| 55° | 56  | 56    | 56  | 56    | 56  | 50   |
| 65° | 34  | 34    | 34  | 34    | 34  | 33   |
| 75° | 16  | 16    | 16  | 16    | 16  | 17   |
| 85° | 3   | 3     | 3   | 3     | 3   | 4    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 340.6 | 340.6 | 340.6 | 340.6 | 340.6 |
| 1°    | 340.6 | 340.0 | 340.0 | 340.0 | 340.6 |
| 2°    | 339.4 | 339.4 | 339.4 | 339.4 | 339.4 |
| 3°    | 338.2 | 337.6 | 337.6 | 337.6 | 337.6 |
| 4°    | 335.9 | 335.3 | 335.3 | 335.3 | 335.3 |
| 5°    | 333.0 | 332.4 | 332.4 | 332.4 | 333.0 |
| 6°    | 329.4 | 328.8 | 328.3 | 328.3 | 328.8 |
| 7°    | 325.9 | 324.7 | 324.7 | 324.7 | 324.7 |
| 8°    | 320.6 | 320.0 | 320.0 | 320.0 | 320.0 |
| 9°    | 315.3 | 314.2 | 314.7 | 314.7 | 314.7 |
| 10°   | 309.5 | 308.9 | 308.9 | 308.9 | 309.5 |
| 11°   | 303.6 | 303.0 | 303.0 | 302.4 | 303.0 |
| 12°   | 296.5 | 296.5 | 296.5 | 296.5 | 296.5 |
| 13°   | 290.1 | 289.5 | 289.5 | 289.5 | 290.1 |
| 14°   | 283.0 | 282.5 | 282.5 | 282.5 | 282.5 |
| 15°   | 274.8 | 274.8 | 274.8 | 274.8 | 275.4 |
| 17.5° | 256.0 | 255.4 | 256.0 | 256.0 | 256.6 |
| 20°   | 236.6 | 236.1 | 236.6 | 236.6 | 236.6 |
| 22.5° | 217.3 | 217.3 | 216.7 | 217.3 | 217.9 |
| 25°   | 198.5 | 197.9 | 197.9 | 198.5 | 197.9 |
| 27.5° | 180.9 | 180.3 | 180.3 | 180.3 | 180.3 |
| 30°   | 164.4 | 163.2 | 163.2 | 163.8 | 163.8 |
| 32.5° | 147.4 | 147.4 | 148.0 | 147.4 | 147.4 |
| 35°   | 133.9 | 133.3 | 133.3 | 133.9 | 133.9 |
| 37.5° | 120.4 | 119.8 | 119.8 | 120.4 | 120.4 |
| 40°   | 108.6 | 108.6 | 108.0 | 108.6 | 108.6 |
| 42.5° | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| 45°   | 88.1  | 87.5  | 87.5  | 87.5  | 87.5  |
| 47.5° | 78.7  | 78.7  | 78.7  | 78.1  | 78.7  |
| 50°   | 71.1  | 70.5  | 70.5  | 70.5  | 70.5  |
| 52.5° | 62.8  | 62.8  | 62.8  | 62.8  | 62.8  |
| 55°   | 55.8  | 55.8  | 55.8  | 55.8  | 55.8  |
| 57.5° | 49.9  | 49.3  | 49.3  | 49.3  | 49.3  |
| 60°   | 44.0  | 44.0  | 43.5  | 44.0  | 44.0  |
| 62.5° | 38.2  | 38.2  | 38.2  | 38.2  | 38.2  |
| 65°   | 33.5  | 33.5  | 33.5  | 33.5  | 33.5  |
| 67.5° | 28.8  | 28.8  | 28.8  | 28.8  | 28.8  |
| 70°   | 24.1  | 24.1  | 24.1  | 24.1  | 24.1  |
| 72.5° | 20.6  | 20.0  | 20.0  | 20.0  | 20.0  |
| 75°   | 16.4  | 16.4  | 15.9  | 16.4  | 16.4  |
| 77.5° | 12.3  | 12.3  | 12.3  | 12.3  | 12.3  |
| 80°   | 9.4   | 9.4   | 9.4   | 8.8   | 9.4   |
| 82.5° | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 85°   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 87.5° | 0.6   | 0.6   | 0.6   | 1.2   | 1.2   |



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**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)