

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: P1265107

Luminaire Tested: P3A13R359730DE010 E3PHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1265107  
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: P3A13R359730DE010 E3PHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3PHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

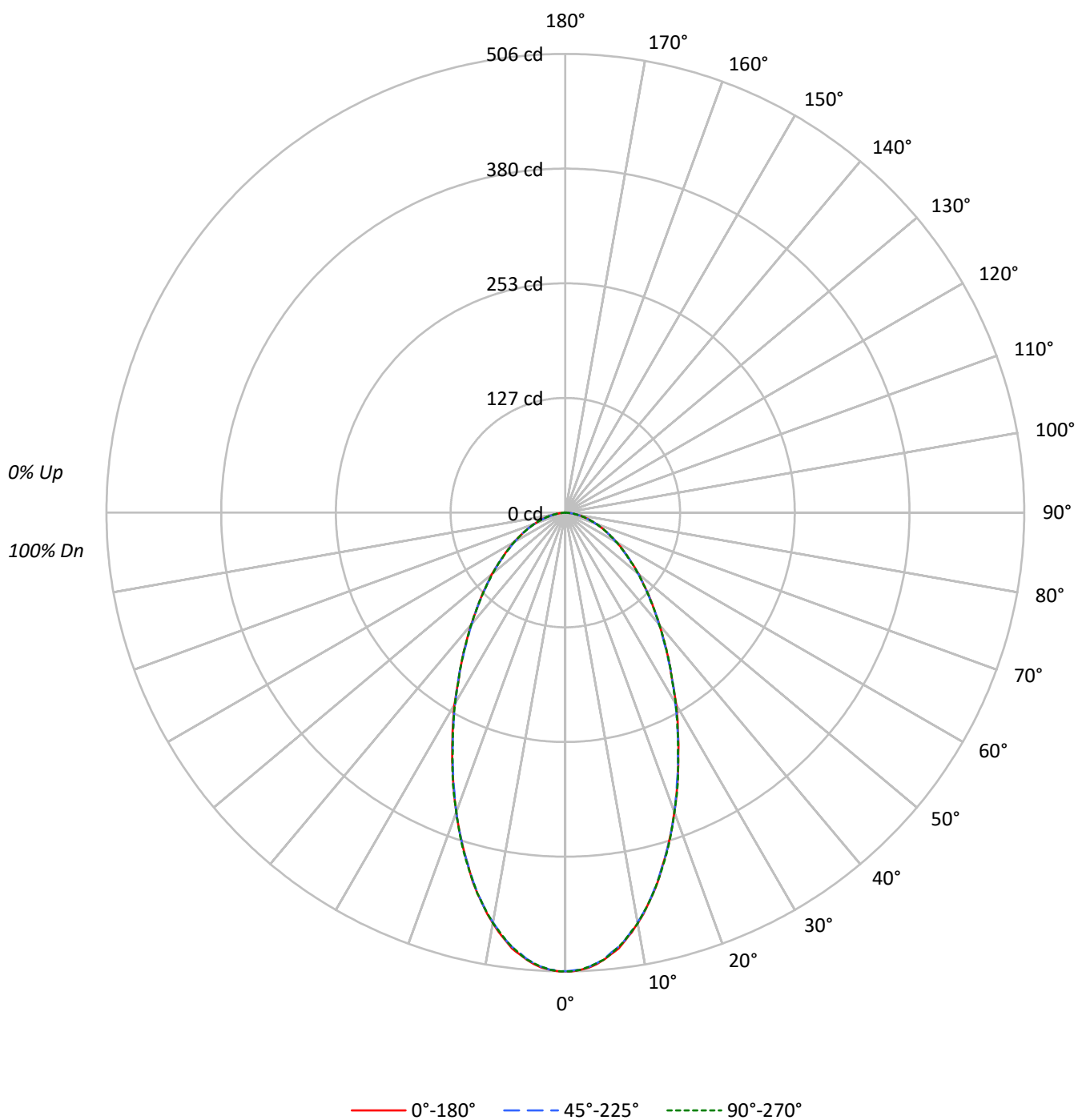
Lumens per Lamp: N/A  
Luminaire Lumens: 676.0 lumens  
Efficiency: N/A  
Efficacy: 46.3 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  |  | 87  | 84  | 81  |  | 84  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  |  | 66  | 61  | 56  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  |  | 49  | 44  | 39  |  | 48  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  |  | 46  | 41  | 36  |  | 45  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 110956 | 110956 | 110956 |
| 5°  | 108893 | 108694 | 108893 |
| 10° | 102381 | 102180 | 102381 |
| 15° | 92691  | 92691  | 92895  |
| 20° | 82047  | 82047  | 82047  |
| 25° | 71351  | 71133  | 71133  |
| 30° | 61858  | 61402  | 61630  |
| 35° | 53244  | 53003  | 53244  |
| 40° | 46201  | 45943  | 46201  |
| 45° | 40593  | 40314  | 40314  |
| 50° | 36024  | 35717  | 35717  |
| 55° | 31693  | 31693  | 31693  |
| 60° | 28682  | 28331  | 28682  |
| 65° | 25787  | 25787  | 25787  |
| 70° | 22953  | 22953  | 22953  |
| 75° | 20673  | 19995  | 20673  |
| 80° | 17679  | 17679  | 17679  |
| 85° | 11070  | 11070  | 11070  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40593 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.0   | 6.8       |
| 10°-20°   | 113.9  | 16.8      |
| 20°-30°   | 135.3  | 20.0      |
| 30°-40°   | 124.4  | 18.4      |
| 40°-50°   | 101.0  | 14.9      |
| 50°-60°   | 74.7   | 11.1      |
| 60°-70°   | 49.3   | 7.3       |
| 70°-80°   | 25.6   | 3.8       |
| 80°-90°   | 5.8    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 295.2  | 43.7      |
| 0°-40°    | 419.6  | 62.1      |
| 0°-60°    | 595.3  | 88.1      |
| 0°-90°    | 676.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 676.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 506 | 506   | 506 | 506   | 506 |      |
| 5°  | 495 | 494   | 494 | 494   | 495 | 46   |
| 15° | 408 | 408   | 408 | 408   | 409 | 114  |
| 25° | 295 | 294   | 294 | 295   | 294 | 136  |
| 35° | 199 | 198   | 198 | 199   | 199 | 125  |
| 45° | 131 | 130   | 130 | 130   | 130 | 101  |
| 55° | 83  | 83    | 83  | 83    | 83  | 75   |
| 65° | 50  | 50    | 50  | 50    | 50  | 49   |
| 75° | 24  | 24    | 24  | 24    | 24  | 26   |
| 85° | 4   | 4     | 4   | 4     | 4   | 6    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 506.0 | 506.0 | 506.0 | 506.0 | 506.0 |
| 1°    | 506.0 | 505.1 | 505.1 | 505.1 | 506.0 |
| 2°    | 504.3 | 504.3 | 504.3 | 504.3 | 504.3 |
| 3°    | 502.5 | 501.6 | 501.6 | 501.6 | 501.6 |
| 4°    | 499.0 | 498.2 | 498.2 | 498.2 | 498.2 |
| 5°    | 494.7 | 493.8 | 493.8 | 493.8 | 494.7 |
| 6°    | 489.4 | 488.6 | 487.7 | 487.7 | 488.6 |
| 7°    | 484.2 | 482.5 | 482.5 | 482.5 | 482.5 |
| 8°    | 476.3 | 475.5 | 475.5 | 475.5 | 475.5 |
| 9°    | 468.5 | 466.8 | 467.6 | 467.6 | 467.6 |
| 10°   | 459.8 | 458.9 | 458.9 | 458.9 | 459.8 |
| 11°   | 451.0 | 450.2 | 450.2 | 449.3 | 450.2 |
| 12°   | 440.6 | 440.6 | 440.6 | 440.6 | 440.6 |
| 13°   | 431.0 | 430.1 | 430.1 | 430.1 | 431.0 |
| 14°   | 420.5 | 419.6 | 419.6 | 419.6 | 419.6 |
| 15°   | 408.3 | 408.3 | 408.3 | 408.3 | 409.2 |
| 17.5° | 380.4 | 379.5 | 380.4 | 380.4 | 381.3 |
| 20°   | 351.6 | 350.7 | 351.6 | 351.6 | 351.6 |
| 22.5° | 322.8 | 322.8 | 321.9 | 322.8 | 323.7 |
| 25°   | 294.9 | 294.0 | 294.0 | 294.9 | 294.0 |
| 27.5° | 268.7 | 267.8 | 267.8 | 267.8 | 267.8 |
| 30°   | 244.3 | 242.5 | 242.5 | 243.4 | 243.4 |
| 32.5° | 219.0 | 219.0 | 219.9 | 219.0 | 219.0 |
| 35°   | 198.9 | 198.0 | 198.0 | 198.9 | 198.9 |
| 37.5° | 178.8 | 178.0 | 178.0 | 178.8 | 178.8 |
| 40°   | 161.4 | 161.4 | 160.5 | 161.4 | 161.4 |
| 42.5° | 144.8 | 144.8 | 144.8 | 144.8 | 144.8 |
| 45°   | 130.9 | 130.0 | 130.0 | 130.0 | 130.0 |
| 47.5° | 116.9 | 116.9 | 116.9 | 116.0 | 116.9 |
| 50°   | 105.6 | 104.7 | 104.7 | 104.7 | 104.7 |
| 52.5° | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  |
| 55°   | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  |
| 57.5° | 74.2  | 73.3  | 73.3  | 73.3  | 73.3  |
| 60°   | 65.4  | 65.4  | 64.6  | 65.4  | 65.4  |
| 62.5° | 56.7  | 56.7  | 56.7  | 56.7  | 56.7  |
| 65°   | 49.7  | 49.7  | 49.7  | 49.7  | 49.7  |
| 67.5° | 42.7  | 42.7  | 42.7  | 42.7  | 42.7  |
| 70°   | 35.8  | 35.8  | 35.8  | 35.8  | 35.8  |
| 72.5° | 30.5  | 29.7  | 29.7  | 29.7  | 29.7  |
| 75°   | 24.4  | 24.4  | 23.6  | 24.4  | 24.4  |
| 77.5° | 18.3  | 18.3  | 18.3  | 18.3  | 18.3  |
| 80°   | 14.0  | 14.0  | 14.0  | 13.1  | 14.0  |
| 82.5° | 8.7   | 8.7   | 8.7   | 8.7   | 8.7   |
| 85°   | 4.4   | 4.4   | 4.4   | 4.4   | 4.4   |
| 87.5° | 0.9   | 0.9   | 0.9   | 1.7   | 1.7   |



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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)