

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: P1247313

Luminaire Tested: P3A17R359024DE010 E3PH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1247313  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A17R359024DE010 E3PH1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

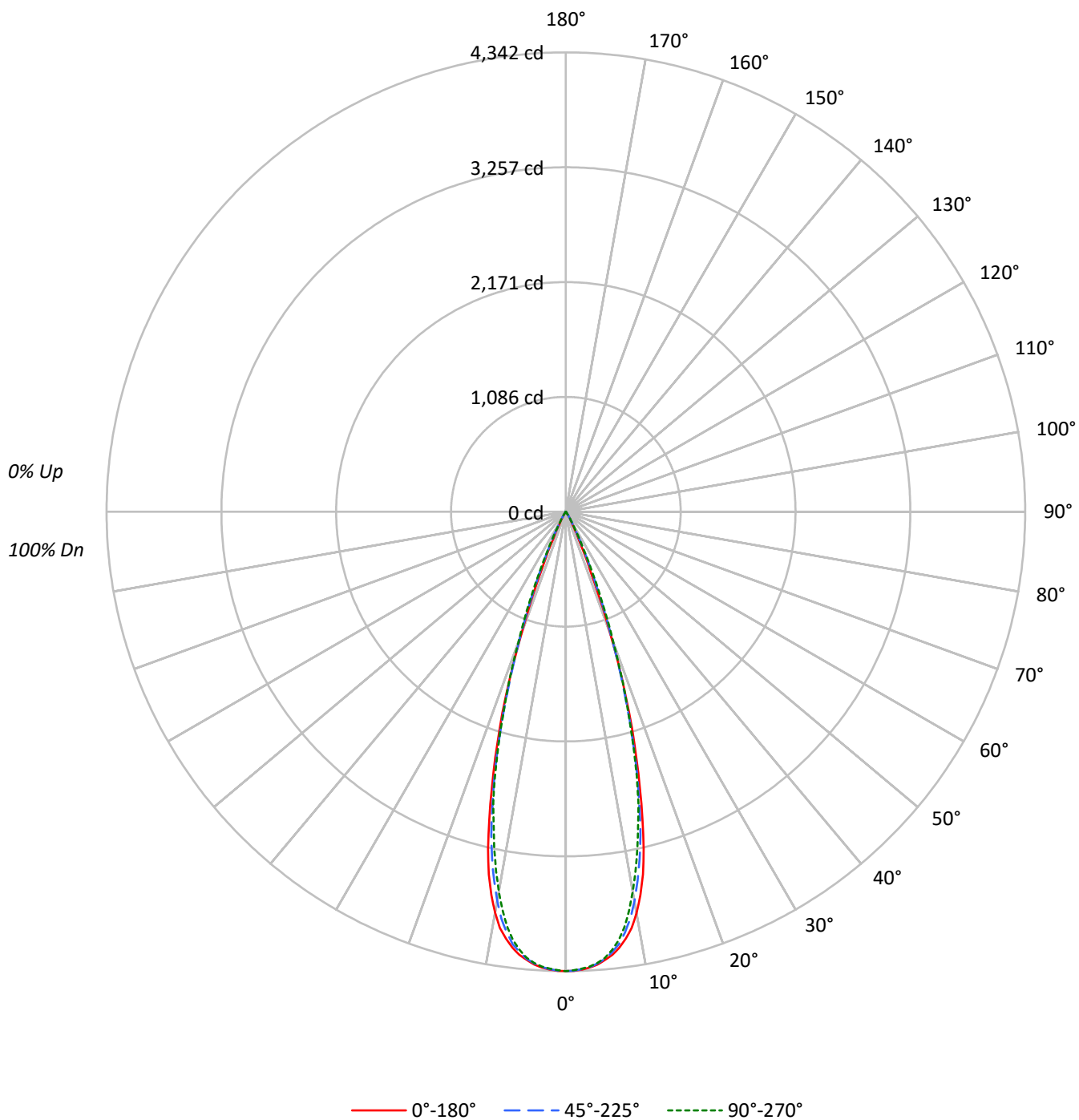
Lumens per Lamp: N/A  
Luminaire Lumens: 1318.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 952204 | 952204 | 952204 |
| 5°  | 935833 | 933852 | 931849 |
| 10° | 857677 | 831893 | 811675 |
| 15° | 614147 | 594555 | 587336 |
| 20° | 284785 | 294586 | 304923 |
| 25° | 67576  | 96127  | 100264 |
| 30° | 19826  | 22712  | 25574  |
| 35° | 4551   | 7281   | 6692   |
| 40° | 973    | 1947   | 1288   |
| 45° | 341    | 341    | 341    |
| 50° | 375    | 0      | 375    |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 396 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 389.9  | 29.6      |
| 10°-20°   | 696.9  | 52.9      |
| 20°-30°   | 209.7  | 15.9      |
| 30°-40°   | 20.0   | 1.5       |
| 40°-50°   | 1.4    | 0.1       |
| 50°-60°   | 0.1    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1296.5 | 98.4      |
| 0°-40°    | 1316.5 | 99.9      |
| 0°-60°    | 1318.0 | 100.0     |
| 0°-90°    | 1318.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1318.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4342 | 4342  | 4342 | 4342  | 4342 |      |
| 5°  | 4252 | 4250  | 4242 | 4237  | 4233 | 394  |
| 15° | 2705 | 2685  | 2619 | 2608  | 2587 | 715  |
| 25° | 279  | 308   | 397  | 414   | 414  | 180  |
| 35° | 17   | 23    | 27   | 30    | 25   | 16   |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4342.4 | 4342.4 | 4342.4 | 4342.4 | 4342.4 |
| 1°    | 4340.1 | 4340.1 | 4337.8 | 4337.8 | 4333.3 |
| 2°    | 4329.9 | 4331.0 | 4326.5 | 4325.3 | 4321.9 |
| 3°    | 4314.0 | 4310.6 | 4310.6 | 4308.3 | 4306.0 |
| 4°    | 4289.0 | 4282.2 | 4279.9 | 4281.1 | 4276.5 |
| 5°    | 4251.5 | 4250.4 | 4242.5 | 4236.8 | 4233.4 |
| 6°    | 4210.7 | 4202.7 | 4185.7 | 4170.9 | 4167.5 |
| 7°    | 4149.4 | 4132.3 | 4117.6 | 4086.9 | 4082.4 |
| 8°    | 4074.4 | 4047.2 | 4015.4 | 3972.3 | 3970.0 |
| 9°    | 3982.5 | 3938.2 | 3893.9 | 3836.0 | 3815.6 |
| 10°   | 3851.9 | 3811.1 | 3736.1 | 3685.0 | 3645.3 |
| 11°   | 3689.6 | 3638.5 | 3551.1 | 3489.8 | 3456.9 |
| 12°   | 3505.7 | 3458.0 | 3355.8 | 3300.2 | 3253.6 |
| 13°   | 3269.5 | 3229.8 | 3134.4 | 3073.1 | 3036.8 |
| 14°   | 2995.9 | 2966.4 | 2875.6 | 2848.4 | 2835.9 |
| 15°   | 2705.3 | 2684.9 | 2619.0 | 2607.7 | 2587.2 |
| 17.5° | 1991.2 | 1957.2 | 1919.7 | 1926.5 | 1933.3 |
| 20°   | 1220.4 | 1268.1 | 1262.4 | 1287.4 | 1306.7 |
| 22.5° | 608.5  | 669.8  | 741.3  | 784.5  | 806.0  |
| 25°   | 279.3  | 307.7  | 397.3  | 414.4  | 414.4  |
| 27.5° | 140.8  | 147.6  | 187.3  | 190.7  | 199.8  |
| 30°   | 78.3   | 84.0   | 89.7   | 99.9   | 101.0  |
| 32.5° | 39.7   | 46.5   | 48.8   | 54.5   | 52.2   |
| 35°   | 17.0   | 22.7   | 27.2   | 29.5   | 25.0   |
| 37.5° | 7.9    | 10.2   | 14.8   | 13.6   | 10.2   |
| 40°   | 3.4    | 4.5    | 6.8    | 5.7    | 4.5    |
| 42.5° | 2.3    | 2.3    | 3.4    | 2.3    | 2.3    |
| 45°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 47.5° | 1.1    | 1.1    | 0.0    | 1.1    | 1.1    |
| 50°   | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 52.5° | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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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)