

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: P1317290

Luminaire Tested: P3SQAS17R359830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317290  
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: P3SQAS17R359830DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

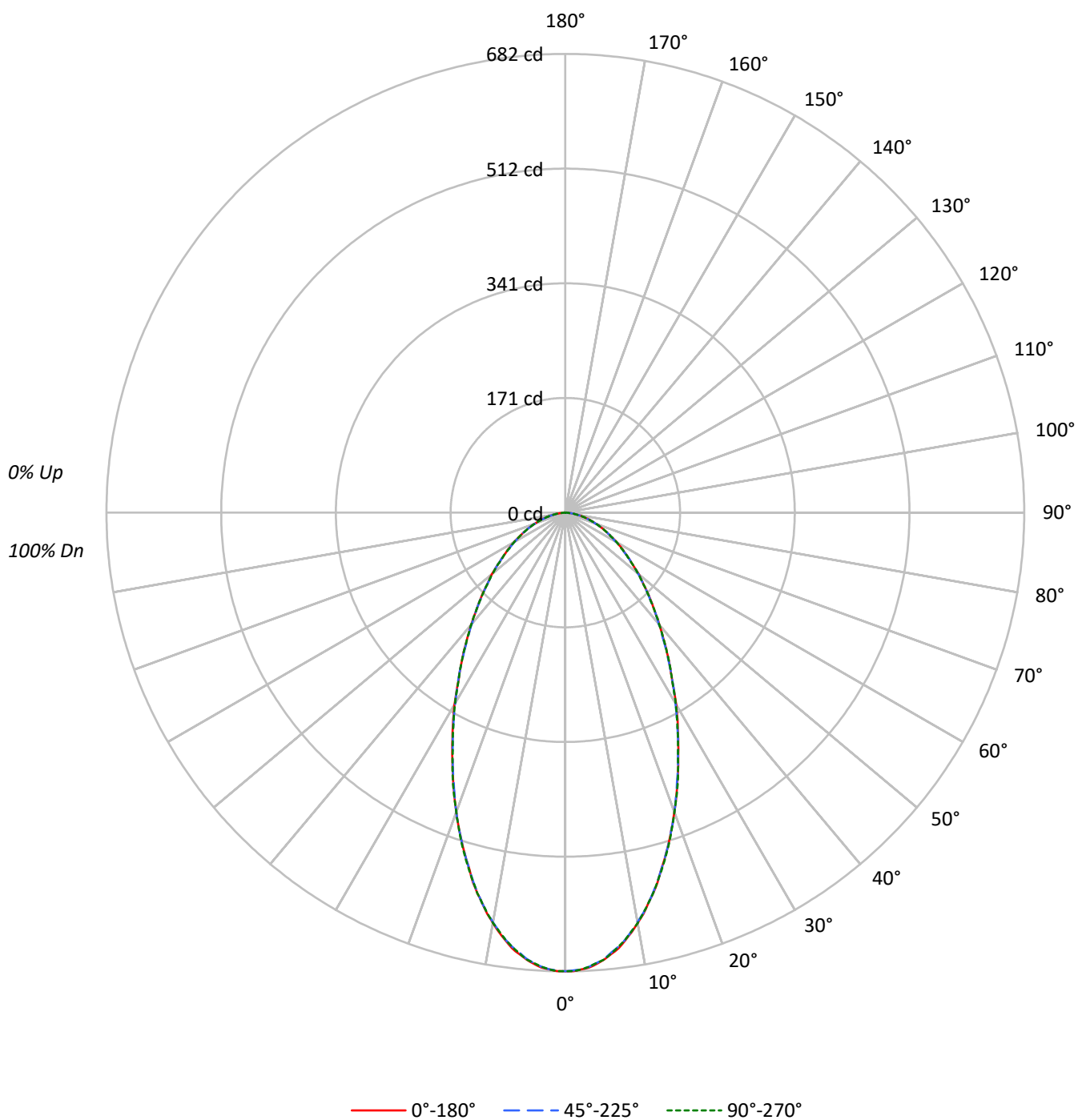
Lumens per Lamp: N/A  
Luminaire Lumens: 911.0 lumens  
Efficiency: N/A  
Efficacy: 44.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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°  | 117439 | 117439 | 117439 |
| 5°  | 115242 | 115052 | 115242 |
| 10° | 108355 | 108145 | 108355 |
| 15° | 98100  | 98100  | 98314  |
| 20° | 86836  | 86836  | 86836  |
| 25° | 75517  | 75289  | 75289  |
| 30° | 65467  | 65009  | 65228  |
| 35° | 56367  | 56114  | 56367  |
| 40° | 48899  | 48629  | 48899  |
| 45° | 42964  | 42672  | 42672  |
| 50° | 38127  | 37805  | 37805  |
| 55° | 33539  | 33539  | 33539  |
| 60° | 30380  | 29967  | 30380  |
| 65° | 27303  | 27303  | 27303  |
| 70° | 24271  | 24271  | 24271  |
| 75° | 21892  | 21094  | 21892  |
| 80° | 18646  | 18646  | 18646  |
| 85° | 11659  | 11659  | 11659  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42964 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 62.0   | 6.8       |
| 10°-20°   | 153.5  | 16.8      |
| 20°-30°   | 182.4  | 20.0      |
| 30°-40°   | 167.6  | 18.4      |
| 40°-50°   | 136.1  | 14.9      |
| 50°-60°   | 100.7  | 11.1      |
| 60°-70°   | 66.5   | 7.3       |
| 70°-80°   | 34.5   | 3.8       |
| 80°-90°   | 7.8    | 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°    | 397.9  | 43.7      |
| 0°-40°    | 565.5  | 62.1      |
| 0°-60°    | 802.2  | 88.1      |
| 0°-90°    | 911.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 911.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 682 | 682   | 682 | 682   | 682 |      |
| 5°  | 667 | 666   | 666 | 666   | 667 | 62   |
| 15° | 550 | 550   | 550 | 550   | 551 | 154  |
| 25° | 397 | 396   | 396 | 397   | 396 | 183  |
| 35° | 268 | 267   | 267 | 268   | 268 | 168  |
| 45° | 176 | 175   | 175 | 175   | 175 | 136  |
| 55° | 112 | 112   | 112 | 112   | 112 | 101  |
| 65° | 67  | 67    | 67  | 67    | 67  | 67   |
| 75° | 33  | 33    | 32  | 33    | 33  | 35   |
| 85° | 6   | 6     | 6   | 6     | 6   | 8    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 681.9 | 681.9 | 681.9 | 681.9 | 681.9 |
| 1°    | 681.9 | 680.7 | 680.7 | 680.7 | 681.9 |
| 2°    | 679.6 | 679.6 | 679.6 | 679.6 | 679.6 |
| 3°    | 677.2 | 676.0 | 676.0 | 676.0 | 676.0 |
| 4°    | 672.5 | 671.3 | 671.3 | 671.3 | 671.3 |
| 5°    | 666.6 | 665.5 | 665.5 | 665.5 | 666.6 |
| 6°    | 659.6 | 658.4 | 657.2 | 657.2 | 658.4 |
| 7°    | 652.5 | 650.2 | 650.2 | 650.2 | 650.2 |
| 8°    | 641.9 | 640.8 | 640.8 | 640.8 | 640.8 |
| 9°    | 631.4 | 629.0 | 630.2 | 630.2 | 630.2 |
| 10°   | 619.6 | 618.4 | 618.4 | 618.4 | 619.6 |
| 11°   | 607.8 | 606.7 | 606.7 | 605.5 | 606.7 |
| 12°   | 593.7 | 593.7 | 593.7 | 593.7 | 593.7 |
| 13°   | 580.8 | 579.6 | 579.6 | 579.6 | 580.8 |
| 14°   | 566.7 | 565.5 | 565.5 | 565.5 | 565.5 |
| 15°   | 550.2 | 550.2 | 550.2 | 550.2 | 551.4 |
| 17.5° | 512.6 | 511.4 | 512.6 | 512.6 | 513.8 |
| 20°   | 473.8 | 472.6 | 473.8 | 473.8 | 473.8 |
| 22.5° | 435.0 | 435.0 | 433.8 | 435.0 | 436.2 |
| 25°   | 397.4 | 396.2 | 396.2 | 397.4 | 396.2 |
| 27.5° | 362.1 | 360.9 | 360.9 | 360.9 | 360.9 |
| 30°   | 329.2 | 326.9 | 326.9 | 328.0 | 328.0 |
| 32.5° | 295.1 | 295.1 | 296.3 | 295.1 | 295.1 |
| 35°   | 268.1 | 266.9 | 266.9 | 268.1 | 268.1 |
| 37.5° | 241.0 | 239.8 | 239.8 | 241.0 | 241.0 |
| 40°   | 217.5 | 217.5 | 216.3 | 217.5 | 217.5 |
| 42.5° | 195.2 | 195.2 | 195.2 | 195.2 | 195.2 |
| 45°   | 176.4 | 175.2 | 175.2 | 175.2 | 175.2 |
| 47.5° | 157.5 | 157.5 | 157.5 | 156.4 | 157.5 |
| 50°   | 142.3 | 141.1 | 141.1 | 141.1 | 141.1 |
| 52.5° | 125.8 | 125.8 | 125.8 | 125.8 | 125.8 |
| 55°   | 111.7 | 111.7 | 111.7 | 111.7 | 111.7 |
| 57.5° | 99.9  | 98.8  | 98.8  | 98.8  | 98.8  |
| 60°   | 88.2  | 88.2  | 87.0  | 88.2  | 88.2  |
| 62.5° | 76.4  | 76.4  | 76.4  | 76.4  | 76.4  |
| 65°   | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  |
| 67.5° | 57.6  | 57.6  | 57.6  | 57.6  | 57.6  |
| 70°   | 48.2  | 48.2  | 48.2  | 48.2  | 48.2  |
| 72.5° | 41.2  | 40.0  | 40.0  | 40.0  | 40.0  |
| 75°   | 32.9  | 32.9  | 31.7  | 32.9  | 32.9  |
| 77.5° | 24.7  | 24.7  | 24.7  | 24.7  | 24.7  |
| 80°   | 18.8  | 18.8  | 18.8  | 17.6  | 18.8  |
| 82.5° | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 85°   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 87.5° | 1.2   | 1.2   | 1.2   | 2.4   | 2.4   |



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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)