

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: P1314190

Luminaire Tested: P3SQAS09R209735DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314190  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R209735DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

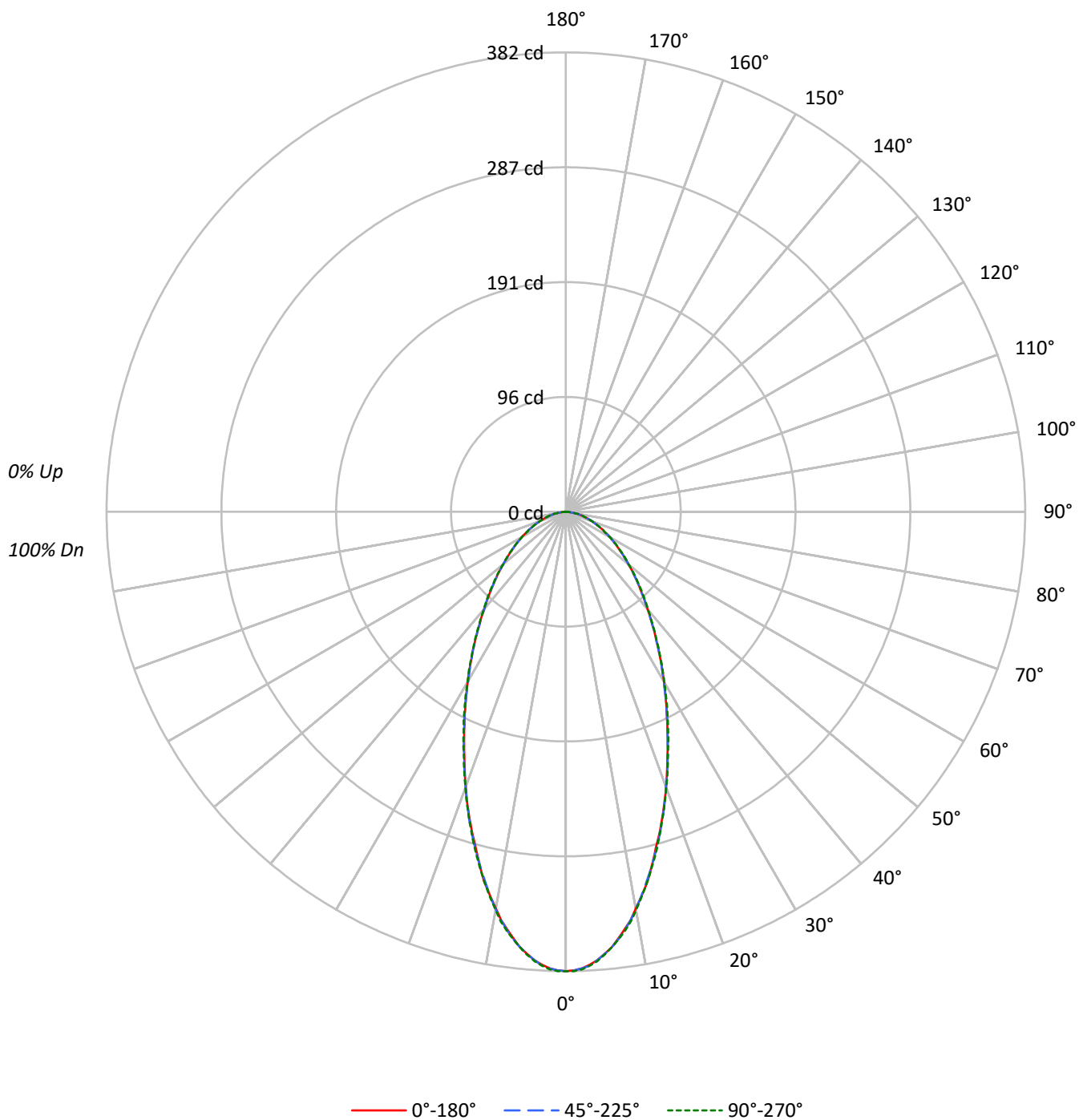
Lumens per Lamp: N/A  
Luminaire Lumens: 457.0 lumens  
Efficiency: N/A  
Efficacy: 41.2 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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



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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 | 104 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 91  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 96  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  |  | 80  | 75  | 72  |  | 77  |
| 4   | 89  | 79  | 71  | 66  | 87  | 78  | 71  | 65  | 75  | 69  | 65  |  | 73  | 68  | 64  |  | 71  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 58  | 69  | 63  | 58  |  | 67  | 62  | 57  |  | 65  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 54  | 48  | 71  | 60  | 53  | 48  | 59  | 53  | 48  |  | 58  | 52  | 48  |  | 56  |
| 8   | 69  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 49  | 44  |  | 54  | 48  | 44  |  | 53  |
| 9   | 65  | 53  | 46  | 41  | 63  | 52  | 46  | 41  | 51  | 45  | 41  |  | 50  | 45  | 40  |  | 49  |
| 10  | 61  | 50  | 43  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 38  |  | 47  | 42  | 38  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 65806 | 65806 | 65806 |
| 5°  | 63810 | 63810 | 63931 |
| 10° | 58585 | 58707 | 58829 |
| 15° | 51582 | 51813 | 51938 |
| 20° | 44646 | 44646 | 44774 |
| 25° | 37986 | 37986 | 38252 |
| 30° | 32435 | 32296 | 32554 |
| 35° | 27689 | 27689 | 27836 |
| 40° | 23786 | 23786 | 23921 |
| 45° | 20776 | 20776 | 20946 |
| 50° | 18273 | 18273 | 18273 |
| 55° | 16184 | 16184 | 16394 |
| 60° | 14570 | 14570 | 14570 |
| 65° | 13081 | 13081 | 13081 |
| 70° | 11682 | 11682 | 11682 |
| 75° | 10447 | 9981  | 10447 |
| 80° | 8827  | 8827  | 8827  |
| 85° | 5335  | 5335  | 6719  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20946 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 34.2   | 7.5       |
| 10°-20°   | 80.9   | 17.7      |
| 20°-30°   | 92.1   | 20.2      |
| 30°-40°   | 82.7   | 18.1      |
| 40°-50°   | 66.3   | 14.5      |
| 50°-60°   | 48.7   | 10.7      |
| 60°-70°   | 31.8   | 7.0       |
| 70°-80°   | 16.5   | 3.6       |
| 80°-90°   | 3.8    | 0.8       |
| 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°    | 207.2  | 45.3      |
| 0°-40°    | 289.9  | 63.4      |
| 0°-60°    | 404.8  | 88.6      |
| 0°-90°    | 457.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 457.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 382 | 382   | 382 | 382   | 382 |      |
| 5°  | 369 | 369   | 369 | 369   | 370 | 34   |
| 15° | 289 | 289   | 291 | 291   | 291 | 81   |
| 25° | 200 | 200   | 200 | 201   | 201 | 92   |
| 35° | 132 | 132   | 132 | 132   | 132 | 83   |
| 45° | 85  | 85    | 85  | 85    | 86  | 66   |
| 55° | 54  | 54    | 54  | 54    | 55  | 49   |
| 65° | 32  | 31    | 32  | 32    | 32  | 32   |
| 75° | 16  | 15    | 15  | 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°    | 382.1 | 382.1 | 382.1 | 382.1 | 382.1 |
| 1°    | 381.4 | 380.7 | 381.4 | 381.4 | 382.1 |
| 2°    | 380.0 | 380.0 | 380.0 | 379.3 | 380.7 |
| 3°    | 377.3 | 377.3 | 378.0 | 377.3 | 378.0 |
| 4°    | 373.9 | 373.9 | 373.9 | 373.2 | 374.6 |
| 5°    | 369.1 | 369.1 | 369.1 | 369.1 | 369.8 |
| 6°    | 364.3 | 363.7 | 364.3 | 363.7 | 364.3 |
| 7°    | 357.5 | 357.5 | 358.2 | 357.5 | 358.2 |
| 8°    | 350.7 | 350.0 | 351.4 | 350.7 | 352.1 |
| 9°    | 343.9 | 343.2 | 343.9 | 343.2 | 345.2 |
| 10°   | 335.0 | 335.7 | 335.7 | 335.7 | 336.4 |
| 12.5° | 314.5 | 313.2 | 313.2 | 313.2 | 314.5 |
| 15°   | 289.3 | 289.3 | 290.6 | 290.6 | 291.3 |
| 17.5° | 266.8 | 266.1 | 267.5 | 267.5 | 267.5 |
| 20°   | 243.6 | 242.9 | 243.6 | 243.6 | 244.3 |
| 22.5° | 220.4 | 221.1 | 221.1 | 221.1 | 221.7 |
| 25°   | 199.9 | 199.9 | 199.9 | 200.6 | 201.3 |
| 27.5° | 180.8 | 180.1 | 180.8 | 181.5 | 182.2 |
| 30°   | 163.1 | 162.4 | 162.4 | 163.1 | 163.7 |
| 32.5° | 146.7 | 146.0 | 146.7 | 146.7 | 147.4 |
| 35°   | 131.7 | 131.7 | 131.7 | 131.7 | 132.4 |
| 37.5° | 118.0 | 118.0 | 118.0 | 118.7 | 118.7 |
| 40°   | 105.8 | 105.8 | 105.8 | 106.4 | 106.4 |
| 42.5° | 94.8  | 94.8  | 94.8  | 95.5  | 96.2  |
| 45°   | 85.3  | 85.3  | 85.3  | 85.3  | 86.0  |
| 47.5° | 76.4  | 76.4  | 76.4  | 77.1  | 77.1  |
| 50°   | 68.2  | 67.5  | 68.2  | 68.9  | 68.2  |
| 52.5° | 60.7  | 60.7  | 60.7  | 60.7  | 61.4  |
| 55°   | 53.9  | 53.9  | 53.9  | 53.9  | 54.6  |
| 57.5° | 47.8  | 47.8  | 47.8  | 48.4  | 48.4  |
| 60°   | 42.3  | 42.3  | 42.3  | 42.3  | 42.3  |
| 62.5° | 36.8  | 36.8  | 36.8  | 36.8  | 36.8  |
| 65°   | 32.1  | 31.4  | 32.1  | 32.1  | 32.1  |
| 67.5° | 27.3  | 27.3  | 27.3  | 27.3  | 27.3  |
| 70°   | 23.2  | 23.2  | 23.2  | 23.2  | 23.2  |
| 72.5° | 19.1  | 19.1  | 19.1  | 19.1  | 19.1  |
| 75°   | 15.7  | 15.0  | 15.0  | 15.7  | 15.7  |
| 77.5° | 12.3  | 11.6  | 12.3  | 12.3  | 12.3  |
| 80°   | 8.9   | 8.9   | 8.9   | 8.9   | 8.9   |
| 82.5° | 5.5   | 5.5   | 5.5   | 6.1   | 6.1   |
| 85°   | 2.7   | 2.7   | 2.7   | 3.4   | 3.4   |
| 87.5° | 0.7   | 0.7   | 0.7   | 1.4   | 1.4   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)