

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: P1315162

Luminaire Tested: P3SQAS09R209740DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315162  
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: P3SQAS09R209740DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

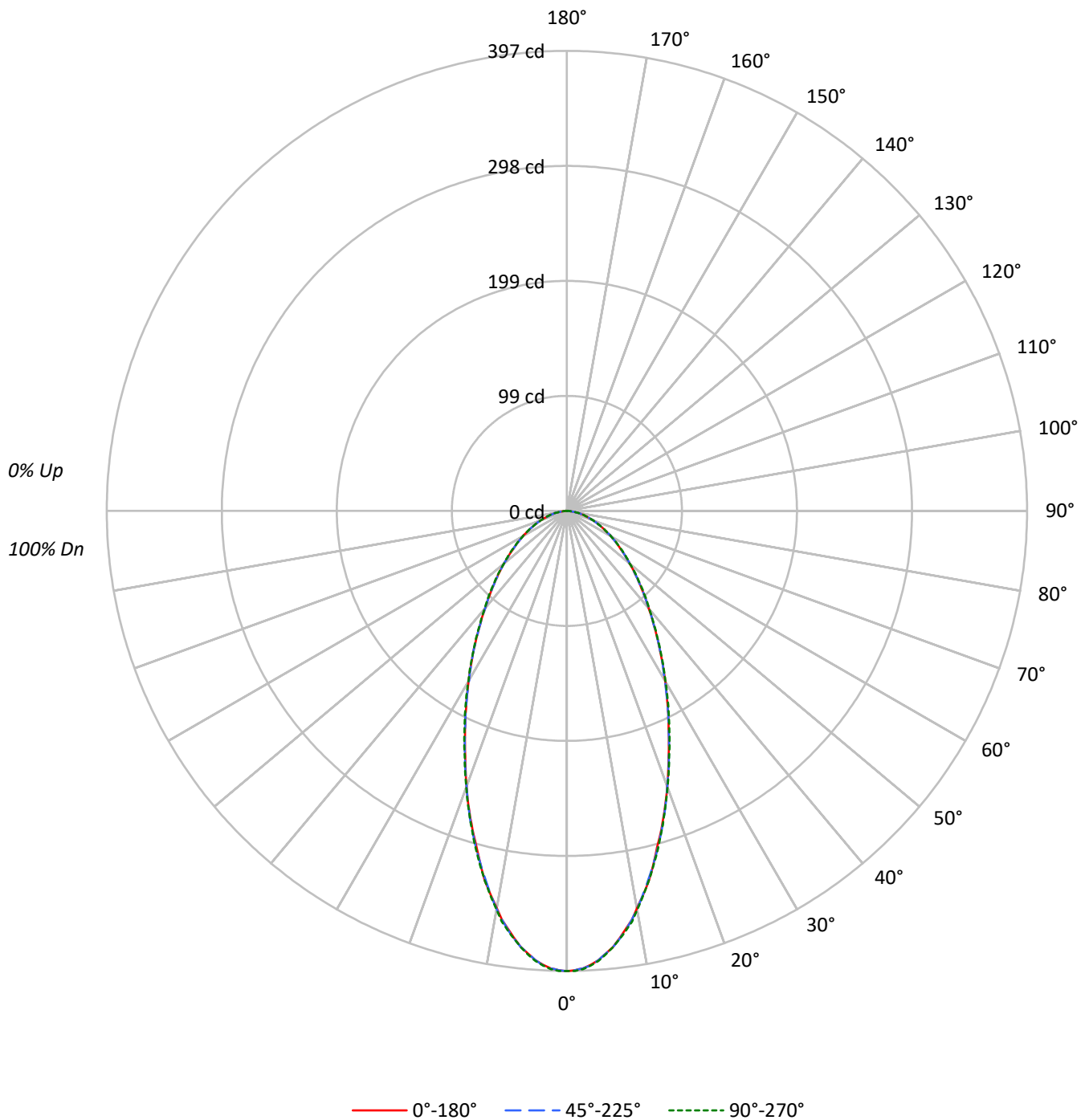
Lumens per Lamp: N/A  
Luminaire Lumens: 475.0 lumens  
Efficiency: N/A  
Efficacy: 42.8 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 68390 | 68390 | 68390 |
| 5°  | 66317 | 66317 | 66455 |
| 10° | 60893 | 61015 | 61138 |
| 15° | 53614 | 53864 | 53989 |
| 20° | 46405 | 46405 | 46534 |
| 25° | 39488 | 39488 | 39754 |
| 30° | 33708 | 33569 | 33847 |
| 35° | 28783 | 28783 | 28930 |
| 40° | 24708 | 24708 | 24865 |
| 45° | 21579 | 21579 | 21774 |
| 50° | 18996 | 18996 | 18996 |
| 55° | 16815 | 16815 | 17025 |
| 60° | 15156 | 15156 | 15156 |
| 65° | 13570 | 13570 | 13570 |
| 70° | 12135 | 12135 | 12135 |
| 75° | 10846 | 10381 | 10846 |
| 80° | 9124  | 9124  | 9124  |
| 85° | 5533  | 5533  | 6916  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 21774 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.5   | 7.5       |
| 10°-20°   | 84.1   | 17.7      |
| 20°-30°   | 95.7   | 20.2      |
| 30°-40°   | 86.0   | 18.1      |
| 40°-50°   | 68.9   | 14.5      |
| 50°-60°   | 50.6   | 10.7      |
| 60°-70°   | 33.1   | 7.0       |
| 70°-80°   | 17.2   | 3.6       |
| 80°-90°   | 4.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 215.3  | 45.3      |
| 0°-40°    | 301.3  | 63.4      |
| 0°-60°    | 420.8  | 88.6      |
| 0°-90°    | 475.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 475.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 397 | 397   | 397 | 397   | 397 |      |
| 5°  | 384 | 384   | 384 | 384   | 384 | 36   |
| 15° | 301 | 301   | 302 | 302   | 303 | 84   |
| 25° | 208 | 208   | 208 | 208   | 209 | 96   |
| 35° | 137 | 137   | 137 | 137   | 138 | 86   |
| 45° | 89  | 89    | 89  | 89    | 89  | 69   |
| 55° | 56  | 56    | 56  | 56    | 57  | 50   |
| 65° | 33  | 33    | 33  | 33    | 33  | 33   |
| 75° | 16  | 16    | 16  | 16    | 16  | 17   |
| 85° | 3   | 3     | 3   | 4     | 4   | 4    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 397.1 | 397.1 | 397.1 | 397.1 | 397.1 |
| 1°    | 396.4 | 395.7 | 396.4 | 396.4 | 397.1 |
| 2°    | 395.0 | 395.0 | 395.0 | 394.3 | 395.7 |
| 3°    | 392.2 | 392.2 | 392.9 | 392.2 | 392.9 |
| 4°    | 388.6 | 388.6 | 388.6 | 387.9 | 389.3 |
| 5°    | 383.6 | 383.6 | 383.6 | 383.6 | 384.4 |
| 6°    | 378.7 | 378.0 | 378.7 | 378.0 | 378.7 |
| 7°    | 371.6 | 371.6 | 372.3 | 371.6 | 372.3 |
| 8°    | 364.5 | 363.8 | 365.2 | 364.5 | 365.9 |
| 9°    | 357.4 | 356.7 | 357.4 | 356.7 | 358.8 |
| 10°   | 348.2 | 348.9 | 348.9 | 348.9 | 349.6 |
| 12.5° | 326.9 | 325.5 | 325.5 | 325.5 | 326.9 |
| 15°   | 300.7 | 300.7 | 302.1 | 302.1 | 302.8 |
| 17.5° | 277.3 | 276.6 | 278.0 | 278.0 | 278.0 |
| 20°   | 253.2 | 252.5 | 253.2 | 253.2 | 253.9 |
| 22.5° | 229.1 | 229.8 | 229.8 | 229.8 | 230.5 |
| 25°   | 207.8 | 207.8 | 207.8 | 208.5 | 209.2 |
| 27.5° | 187.9 | 187.2 | 187.9 | 188.6 | 189.3 |
| 30°   | 169.5 | 168.8 | 168.8 | 169.5 | 170.2 |
| 32.5° | 152.5 | 151.8 | 152.5 | 152.5 | 153.2 |
| 35°   | 136.9 | 136.9 | 136.9 | 136.9 | 137.6 |
| 37.5° | 122.7 | 122.7 | 122.7 | 123.4 | 123.4 |
| 40°   | 109.9 | 109.9 | 109.9 | 110.6 | 110.6 |
| 42.5° | 98.6  | 98.6  | 98.6  | 99.3  | 100.0 |
| 45°   | 88.6  | 88.6  | 88.6  | 88.6  | 89.4  |
| 47.5° | 79.4  | 79.4  | 79.4  | 80.1  | 80.1  |
| 50°   | 70.9  | 70.2  | 70.9  | 71.6  | 70.9  |
| 52.5° | 63.1  | 63.1  | 63.1  | 63.1  | 63.8  |
| 55°   | 56.0  | 56.0  | 56.0  | 56.0  | 56.7  |
| 57.5° | 49.6  | 49.6  | 49.6  | 50.3  | 50.3  |
| 60°   | 44.0  | 44.0  | 44.0  | 44.0  | 44.0  |
| 62.5° | 38.3  | 38.3  | 38.3  | 38.3  | 38.3  |
| 65°   | 33.3  | 32.6  | 33.3  | 33.3  | 33.3  |
| 67.5° | 28.4  | 28.4  | 28.4  | 28.4  | 28.4  |
| 70°   | 24.1  | 24.1  | 24.1  | 24.1  | 24.1  |
| 72.5° | 19.9  | 19.9  | 19.9  | 19.9  | 19.9  |
| 75°   | 16.3  | 15.6  | 15.6  | 16.3  | 16.3  |
| 77.5° | 12.8  | 12.1  | 12.8  | 12.8  | 12.8  |
| 80°   | 9.2   | 9.2   | 9.2   | 9.2   | 9.2   |
| 82.5° | 5.7   | 5.7   | 5.7   | 6.4   | 6.4   |
| 85°   | 2.8   | 2.8   | 2.8   | 3.5   | 3.5   |
| 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)