

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: P1309710

Luminaire Tested: P3SQAS02R159040DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309710  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R159040DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

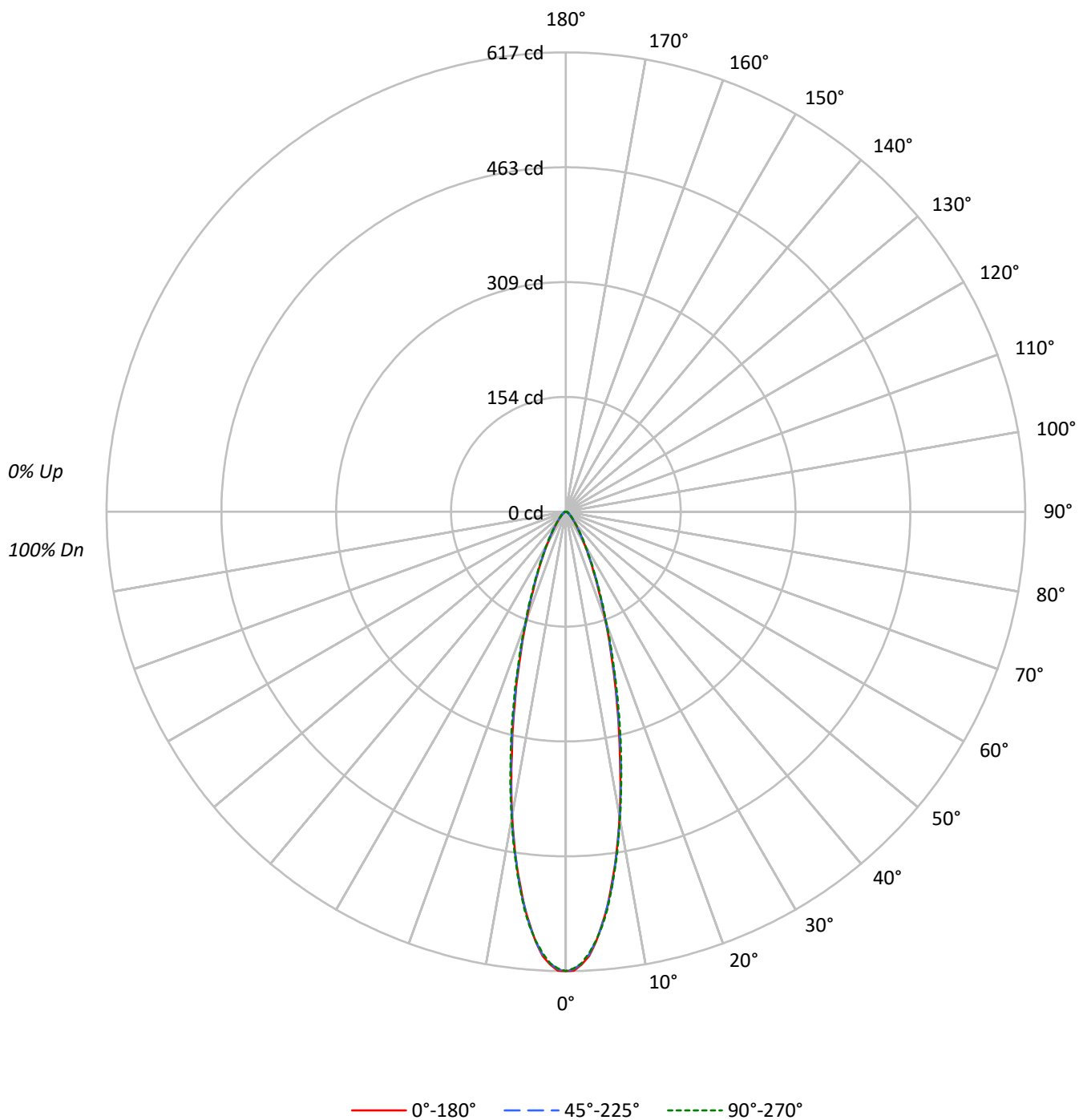
Lumens per Lamp: N/A  
Luminaire Lumens: 204.0 lumens  
Efficiency: N/A  
Efficacy: 56.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 97  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  |  | 84  | 80  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  |  | 77  | 74  | 71  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 74  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  |  | 69  | 65  | 62  |  | 69  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 106244 | 106244 | 106244 |
| 5°  | 96225  | 96415  | 96554  |
| 10° | 72645  | 72837  | 73205  |
| 15° | 47124  | 47641  | 48568  |
| 20° | 28371  | 28701  | 29086  |
| 25° | 16570  | 16931  | 17178  |
| 30° | 9744   | 10063  | 10202  |
| 35° | 6013   | 6223   | 6328   |
| 40° | 3957   | 4069   | 4114   |
| 45° | 2752   | 2801   | 2874   |
| 50° | 2036   | 2117   | 2170   |
| 55° | 1651   | 1742   | 1742   |
| 60° | 1447   | 1447   | 1447   |
| 65° | 1263   | 1263   | 1263   |
| 70° | 1057   | 1209   | 1209   |
| 75° | 1065   | 1065   | 1065   |
| 80° | 793    | 992    | 992    |
| 85° | 593    | 593    | 593    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2874 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.6   | 23.8      |
| 10°-20°   | 74.3   | 36.4      |
| 20°-30°   | 42.2   | 20.7      |
| 30°-40°   | 19.3   | 9.4       |
| 40°-50°   | 9.2    | 4.5       |
| 50°-60°   | 5.2    | 2.5       |
| 60°-70°   | 3.2    | 1.6       |
| 70°-80°   | 1.7    | 0.8       |
| 80°-90°   | 0.4    | 0.2       |
| 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°    | 165.1  | 80.9      |
| 0°-40°    | 184.4  | 90.4      |
| 0°-60°    | 198.8  | 97.4      |
| 0°-90°    | 204.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 204.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 617 | 617   | 617 | 617   | 617 |      |
| 5°  | 557 | 556   | 558 | 558   | 558 | 49   |
| 15° | 264 | 266   | 267 | 271   | 272 | 73   |
| 25° | 87  | 87    | 89  | 90    | 90  | 41   |
| 35° | 29  | 29    | 30  | 30    | 30  | 19   |
| 45° | 11  | 11    | 12  | 12    | 12  | 9    |
| 55° | 6   | 6     | 6   | 6     | 6   | 5    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 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°    | 616.9 | 616.9 | 616.9 | 616.9 | 616.9 |
| 1°    | 616.4 | 614.8 | 614.3 | 614.0 | 613.5 |
| 2°    | 608.5 | 607.2 | 606.9 | 606.9 | 606.7 |
| 3°    | 597.5 | 595.1 | 595.4 | 594.6 | 593.8 |
| 4°    | 578.9 | 577.9 | 578.4 | 578.9 | 577.9 |
| 5°    | 556.6 | 556.4 | 557.7 | 557.7 | 558.5 |
| 6°    | 533.6 | 533.3 | 532.5 | 534.6 | 535.7 |
| 7°    | 504.2 | 505.8 | 507.9 | 506.9 | 507.7 |
| 8°    | 477.5 | 475.7 | 476.5 | 479.1 | 479.4 |
| 9°    | 446.1 | 444.8 | 448.2 | 449.2 | 449.5 |
| 10°   | 415.4 | 416.8 | 416.5 | 420.2 | 418.6 |
| 12.5° | 335.6 | 337.6 | 340.0 | 341.6 | 343.1 |
| 15°   | 264.3 | 265.6 | 267.2 | 270.9 | 272.4 |
| 17.5° | 203.3 | 204.8 | 206.4 | 209.6 | 210.1 |
| 20°   | 154.8 | 155.6 | 156.6 | 159.5 | 158.7 |
| 22.5° | 115.8 | 117.1 | 118.1 | 119.4 | 120.2 |
| 25°   | 87.2  | 87.2  | 89.1  | 89.8  | 90.4  |
| 27.5° | 65.0  | 65.5  | 66.8  | 67.8  | 67.6  |
| 30°   | 49.0  | 49.8  | 50.6  | 51.1  | 51.3  |
| 32.5° | 37.7  | 37.7  | 38.5  | 39.3  | 39.6  |
| 35°   | 28.6  | 29.1  | 29.6  | 30.1  | 30.1  |
| 37.5° | 22.3  | 22.5  | 23.1  | 23.3  | 23.3  |
| 40°   | 17.6  | 17.6  | 18.1  | 18.3  | 18.3  |
| 42.5° | 13.9  | 14.1  | 14.4  | 14.7  | 14.7  |
| 45°   | 11.3  | 11.3  | 11.5  | 11.8  | 11.8  |
| 47.5° | 9.2   | 9.2   | 9.4   | 9.7   | 9.7   |
| 50°   | 7.6   | 7.9   | 7.9   | 8.1   | 8.1   |
| 52.5° | 6.5   | 6.5   | 6.5   | 6.8   | 6.8   |
| 55°   | 5.5   | 5.5   | 5.8   | 5.8   | 5.8   |
| 57.5° | 4.7   | 4.7   | 4.7   | 5.0   | 5.0   |
| 60°   | 4.2   | 4.2   | 4.2   | 4.2   | 4.2   |
| 62.5° | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 65°   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   |
| 67.5° | 2.6   | 2.6   | 2.6   | 2.9   | 2.9   |
| 70°   | 2.1   | 2.4   | 2.4   | 2.4   | 2.4   |
| 72.5° | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   |
| 75°   | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 77.5° | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 80°   | 0.8   | 1.0   | 1.0   | 1.0   | 1.0   |
| 82.5° | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 85°   | 0.3   | 0.3   | 0.3   | 0.3   | 0.3   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)