

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: P1313170

Luminaire Tested: P3SQAS05R709730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313170  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R709730DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

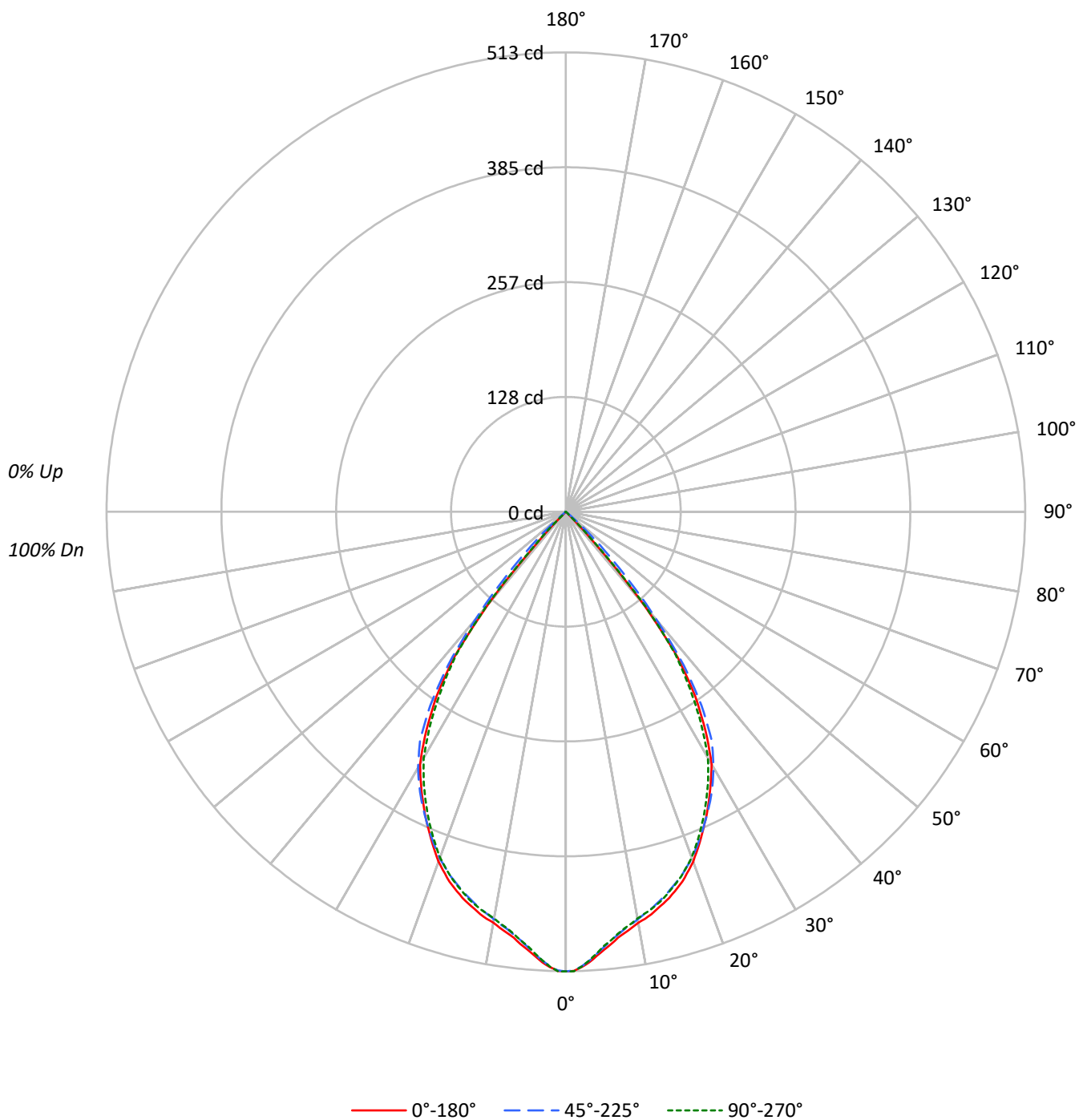
Lumens per Lamp: N/A  
Luminaire Lumens: 531.0 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  |  | 89  | 86  | 83  |  | 87  |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  |  | 83  | 79  | 76  |  | 81  |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  |  | 73  | 69  | 65  |  | 72  |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  |  | 61  | 56  | 53  |  | 60  |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  |  | 58  | 53  | 49  |  | 57  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 88402 | 88402 | 88402 |
| 5°  | 84850 | 84383 | 84158 |
| 10° | 81511 | 80812 | 80654 |
| 15° | 79574 | 78469 | 78629 |
| 20° | 76206 | 75473 | 75308 |
| 25° | 70747 | 70918 | 69797 |
| 30° | 64751 | 65626 | 63140 |
| 35° | 52961 | 55505 | 50879 |
| 40° | 30486 | 35544 | 31295 |
| 45° | 438   | 14760 | 1534  |
| 50° | 0     | 1554  | 0     |
| 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: 45°

Vertical Angle: 45°

Luminance: 14760 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.8   | 8.6       |
| 10°-20°   | 124.1  | 23.4      |
| 20°-30°   | 170.5  | 32.1      |
| 30°-40°   | 154.6  | 29.1      |
| 40°-50°   | 35.9   | 6.8       |
| 50°-60°   | 0.2    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 340.3  | 64.1      |
| 0°-40°    | 494.9  | 93.2      |
| 0°-60°    | 531.0  | 100.0     |
| 0°-90°    | 531.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 531.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 513 | 513   | 513 | 513   | 513 |      |
| 5°  | 491 | 490   | 488 | 487   | 487 | 46   |
| 15° | 446 | 443   | 440 | 440   | 441 | 125  |
| 25° | 372 | 374   | 373 | 370   | 367 | 171  |
| 35° | 252 | 256   | 264 | 253   | 242 | 151  |
| 45° | 2   | 20    | 61  | 26    | 6   | 22   |
| 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°    | 513.3 | 513.3 | 513.3 | 513.3 | 513.3 |
| 1°    | 512.8 | 511.9 | 512.4 | 512.8 | 513.3 |
| 2°    | 508.8 | 507.9 | 507.9 | 508.3 | 508.3 |
| 3°    | 503.8 | 502.0 | 502.0 | 501.6 | 501.6 |
| 4°    | 497.1 | 495.7 | 494.8 | 494.4 | 494.4 |
| 5°    | 490.8 | 489.5 | 488.1 | 487.2 | 486.8 |
| 6°    | 485.4 | 483.2 | 481.4 | 480.9 | 481.4 |
| 7°    | 479.1 | 477.8 | 476.0 | 474.6 | 475.1 |
| 8°    | 474.6 | 472.8 | 470.6 | 469.7 | 469.7 |
| 9°    | 470.6 | 468.8 | 466.6 | 464.8 | 465.7 |
| 10°   | 466.1 | 464.3 | 462.1 | 460.7 | 461.2 |
| 11°   | 463.0 | 460.7 | 458.0 | 457.1 | 457.6 |
| 12°   | 459.4 | 456.7 | 454.0 | 453.5 | 454.4 |
| 13°   | 454.9 | 452.2 | 449.5 | 449.5 | 450.4 |
| 14°   | 450.8 | 447.7 | 445.0 | 445.0 | 446.3 |
| 15°   | 446.3 | 443.2 | 440.1 | 440.1 | 441.0 |
| 17.5° | 432.9 | 430.2 | 427.0 | 427.0 | 427.5 |
| 20°   | 415.8 | 414.5 | 411.8 | 410.4 | 410.9 |
| 22.5° | 394.3 | 394.3 | 392.9 | 390.7 | 389.8 |
| 25°   | 372.3 | 374.1 | 373.2 | 369.6 | 367.3 |
| 27.5° | 349.4 | 352.5 | 352.9 | 347.6 | 343.5 |
| 30°   | 325.6 | 328.3 | 330.0 | 323.8 | 317.5 |
| 32.5° | 290.5 | 298.6 | 303.1 | 294.6 | 281.6 |
| 35°   | 251.9 | 255.5 | 264.0 | 252.8 | 242.0 |
| 37.5° | 204.8 | 209.3 | 216.4 | 207.5 | 201.2 |
| 40°   | 135.6 | 153.6 | 158.1 | 153.6 | 139.2 |
| 42.5° | 48.9  | 86.2  | 103.7 | 88.0  | 57.5  |
| 45°   | 1.8   | 20.2  | 60.6  | 26.0  | 6.3   |
| 47.5° | 0.0   | 0.4   | 27.4  | 0.9   | 0.0   |
| 50°   | 0.0   | 0.0   | 5.8   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.4   | 0.0   | 0.0   |
| 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)