

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: P1309989

Luminaire Tested: P3SQAS05R609040DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309989  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R609040DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

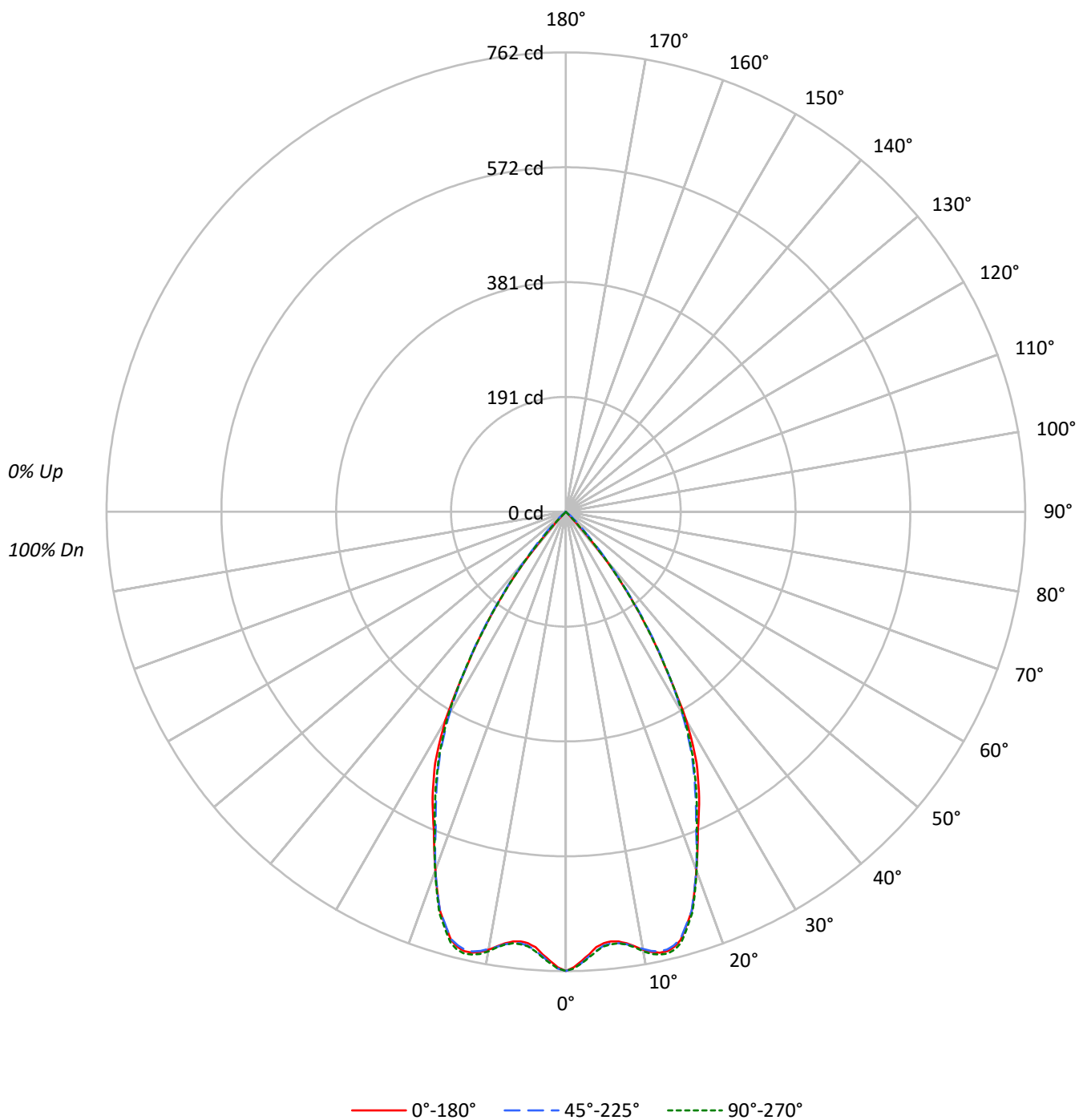
Lumens per Lamp: N/A  
Luminaire Lumens: 675.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 96  | 91  | 88  | 93  | 89  | 86  |  | 91  | 88  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 81  | 96  | 90  | 85  | 81  | 88  | 83  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 93  | 85  | 80  | 76  | 92  | 84  | 79  | 75  | 83  | 78  | 75  |  | 81  | 77  | 74  |  | 79  |
| 6   | 89  | 80  | 74  | 70  | 87  | 79  | 74  | 70  | 78  | 73  | 70  |  | 77  | 72  | 69  |  | 75  |
| 7   | 85  | 76  | 70  | 66  | 83  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 65  |  | 71  |
| 8   | 81  | 71  | 66  | 62  | 79  | 71  | 65  | 61  | 70  | 65  | 61  |  | 69  | 64  | 61  |  | 68  |
| 9   | 77  | 67  | 62  | 58  | 76  | 67  | 61  | 58  | 66  | 61  | 57  |  | 65  | 61  | 57  |  | 64  |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  |  | 62  | 57  | 54  |  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 131182 | 131182 | 131182 |
| 5°  | 124232 | 124889 | 125079 |
| 10° | 128974 | 128781 | 129533 |
| 15° | 131103 | 130906 | 131869 |
| 20° | 116013 | 116013 | 116215 |
| 25° | 99422  | 96458  | 97275  |
| 30° | 79546  | 76643  | 77816  |
| 35° | 49345  | 50354  | 49239  |
| 40° | 21673  | 23831  | 22257  |
| 45° | 268    | 7745   | 658    |
| 50° | 0      | 857    | 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: 7745 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.6   | 10.3      |
| 10°-20°   | 201.7  | 29.9      |
| 20°-30°   | 234.1  | 34.7      |
| 30°-40°   | 147.4  | 21.8      |
| 40°-50°   | 22.1   | 3.3       |
| 50°-60°   | 0.1    | 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°    | 505.3  | 74.9      |
| 0°-40°    | 652.7  | 96.7      |
| 0°-60°    | 675.0  | 100.0     |
| 0°-90°    | 675.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 675.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 762 | 762   | 762 | 762   | 762 |      |
| 5°  | 719 | 721   | 722 | 724   | 724 | 69   |
| 15° | 735 | 733   | 734 | 739   | 740 | 202  |
| 25° | 523 | 517   | 508 | 510   | 512 | 238  |
| 35° | 235 | 235   | 240 | 235   | 234 | 147  |
| 45° | 1   | 10    | 32  | 14    | 3   | 14   |
| 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°    | 761.7 | 761.7 | 761.7 | 761.7 | 761.7 |
| 1°    | 755.8 | 757.9 | 757.9 | 758.5 | 757.9 |
| 2°    | 745.5 | 748.8 | 748.8 | 750.4 | 749.3 |
| 3°    | 735.3 | 738.0 | 738.5 | 740.7 | 740.2 |
| 4°    | 724.0 | 728.3 | 729.9 | 731.0 | 730.5 |
| 5°    | 718.6 | 721.3 | 722.4 | 724.0 | 723.5 |
| 6°    | 716.5 | 718.6 | 719.7 | 721.3 | 721.3 |
| 7°    | 718.1 | 719.7 | 721.3 | 722.4 | 721.3 |
| 8°    | 722.9 | 724.5 | 724.5 | 726.7 | 725.1 |
| 9°    | 729.9 | 730.5 | 730.5 | 733.2 | 731.5 |
| 10°   | 737.5 | 736.4 | 736.4 | 740.2 | 740.7 |
| 11°   | 743.9 | 742.8 | 742.3 | 746.1 | 747.2 |
| 12°   | 747.7 | 745.5 | 745.5 | 750.4 | 750.9 |
| 13°   | 748.2 | 745.5 | 745.5 | 750.4 | 752.0 |
| 14°   | 743.9 | 740.7 | 741.2 | 746.6 | 748.2 |
| 15°   | 735.3 | 732.6 | 734.2 | 739.1 | 739.6 |
| 17.5° | 694.4 | 692.8 | 693.9 | 697.1 | 697.6 |
| 20°   | 633.0 | 632.0 | 633.0 | 633.0 | 634.1 |
| 22.5° | 572.2 | 569.5 | 564.1 | 567.4 | 567.9 |
| 25°   | 523.2 | 517.3 | 507.6 | 509.8 | 511.9 |
| 27.5° | 469.4 | 461.9 | 451.6 | 454.3 | 454.9 |
| 30°   | 400.0 | 396.2 | 385.4 | 388.1 | 391.3 |
| 32.5° | 309.0 | 319.2 | 312.7 | 312.2 | 312.7 |
| 35°   | 234.7 | 235.2 | 239.5 | 234.7 | 234.2 |
| 37.5° | 164.2 | 164.7 | 167.9 | 162.6 | 163.1 |
| 40°   | 96.4  | 103.4 | 106.0 | 103.9 | 99.0  |
| 42.5° | 30.1  | 53.3  | 60.3  | 52.2  | 33.4  |
| 45°   | 1.1   | 10.2  | 31.8  | 13.5  | 2.7   |
| 47.5° | 0.0   | 0.5   | 15.1  | 1.1   | 0.0   |
| 50°   | 0.0   | 0.0   | 3.2   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.5   | 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)