

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: P1309981

Luminaire Tested: P3SQAS05R559040DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309981  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R559040DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

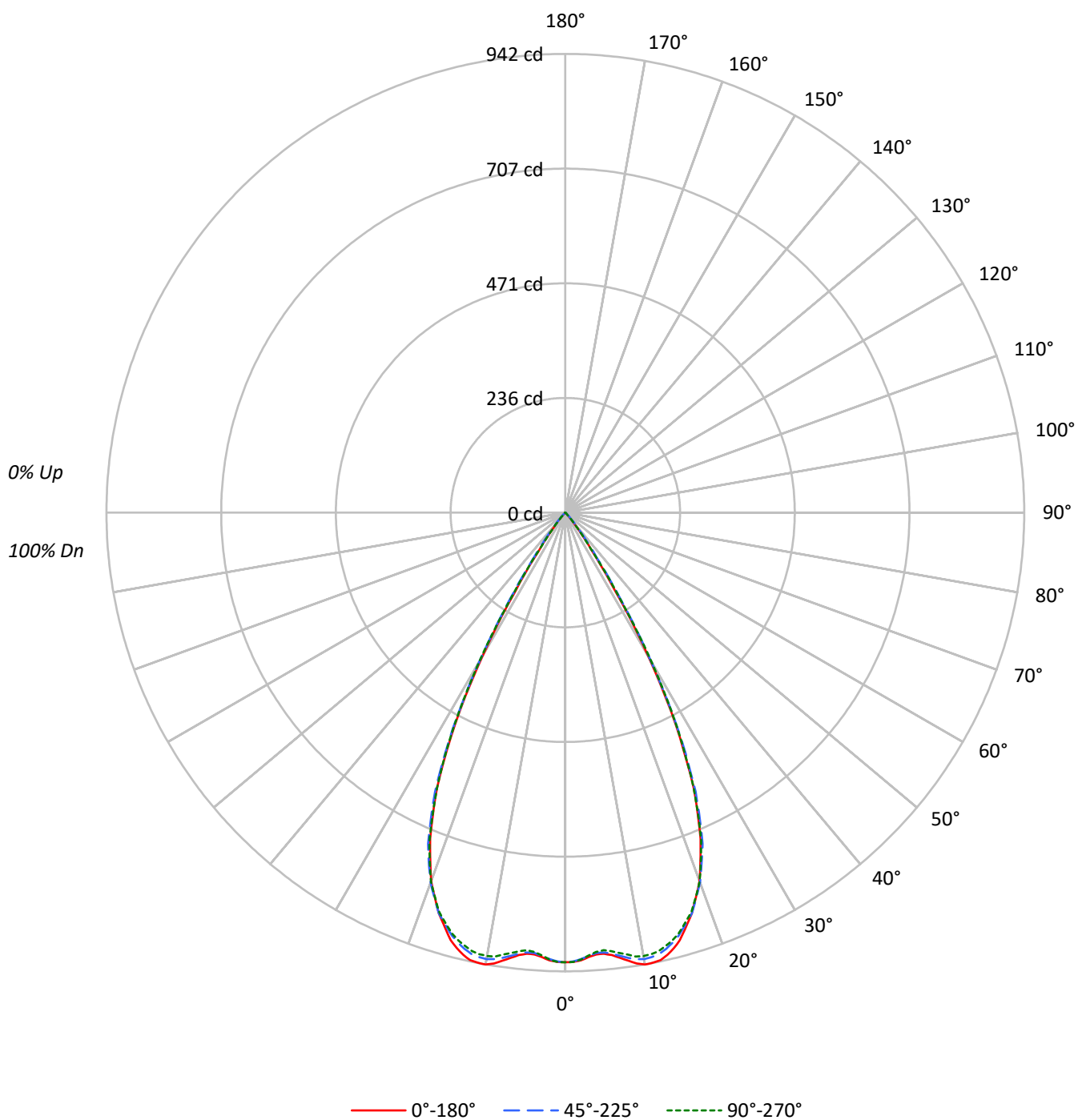
Lumens per Lamp: N/A  
Luminaire Lumens: 702.0 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  |  | 92  | 90  | 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  | 82  | 79  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  |  | 69  | 65  | 62  |  | 69  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 159030 | 159030 | 159030 |
| 5°  | 157218 | 156751 | 155904 |
| 10° | 164771 | 162795 | 161676 |
| 15° | 162037 | 160308 | 159737 |
| 20° | 147592 | 148197 | 147702 |
| 25° | 118406 | 120249 | 118406 |
| 30° | 67972  | 69682  | 70219  |
| 35° | 19385  | 23337  | 19952  |
| 40° | 4969   | 7149   | 5081   |
| 45° | 536    | 2484   | 390    |
| 50° | 0      | 429    | 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: 2484 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.7   | 12.5      |
| 10°-20°   | 250.2  | 35.6      |
| 20°-30°   | 275.5  | 39.3      |
| 30°-40°   | 82.3   | 11.7      |
| 40°-50°   | 6.3    | 0.9       |
| 50°-60°   | 0.0    | 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°    | 613.4  | 87.4      |
| 0°-40°    | 695.6  | 99.1      |
| 0°-60°    | 702.0  | 100.0     |
| 0°-90°    | 702.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 702.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 923 | 923   | 923 | 923   | 923 |      |
| 5°  | 909 | 908   | 907 | 903   | 902 | 88   |
| 15° | 909 | 902   | 899 | 895   | 896 | 252  |
| 25° | 623 | 623   | 633 | 632   | 623 | 273  |
| 35° | 92  | 98    | 111 | 101   | 95  | 76   |
| 45° | 2   | 5     | 10  | 5     | 2   | 4    |
| 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°    | 923.4 | 923.4 | 923.4 | 923.4 | 923.4 |
| 1°    | 922.8 | 922.8 | 921.8 | 921.2 | 922.8 |
| 2°    | 920.1 | 920.1 | 917.4 | 916.9 | 918.5 |
| 3°    | 914.2 | 913.7 | 911.5 | 909.9 | 911.0 |
| 4°    | 909.4 | 908.3 | 906.7 | 904.0 | 904.5 |
| 5°    | 909.4 | 907.7 | 906.7 | 902.9 | 901.8 |
| 6°    | 913.7 | 912.6 | 910.4 | 906.7 | 905.6 |
| 7°    | 921.2 | 919.1 | 916.9 | 912.1 | 911.0 |
| 8°    | 929.3 | 927.7 | 923.4 | 918.5 | 916.4 |
| 9°    | 937.4 | 933.6 | 928.2 | 923.4 | 922.8 |
| 10°   | 942.2 | 936.8 | 930.9 | 925.0 | 924.5 |
| 11°   | 941.7 | 936.8 | 929.8 | 924.5 | 923.9 |
| 12°   | 939.5 | 932.5 | 926.6 | 920.1 | 920.7 |
| 13°   | 932.0 | 925.5 | 919.6 | 914.7 | 913.7 |
| 14°   | 921.8 | 915.8 | 910.4 | 905.6 | 906.1 |
| 15°   | 908.8 | 902.3 | 899.1 | 895.3 | 895.9 |
| 17.5° | 863.0 | 861.4 | 863.0 | 858.7 | 860.3 |
| 20°   | 805.3 | 803.7 | 808.6 | 806.4 | 805.9 |
| 22.5° | 725.0 | 727.2 | 736.3 | 733.6 | 728.8 |
| 25°   | 623.1 | 623.1 | 632.8 | 631.8 | 623.1 |
| 27.5° | 490.5 | 494.3 | 500.2 | 502.9 | 496.5 |
| 30°   | 341.8 | 350.4 | 350.4 | 355.8 | 353.1 |
| 32.5° | 190.8 | 209.1 | 213.5 | 216.2 | 205.4 |
| 35°   | 92.2  | 98.1  | 111.0 | 101.3 | 94.9  |
| 37.5° | 44.2  | 46.9  | 59.8  | 48.5  | 45.3  |
| 40°   | 22.1  | 25.3  | 31.8  | 26.4  | 22.6  |
| 42.5° | 9.2   | 13.5  | 16.7  | 13.5  | 9.2   |
| 45°   | 2.2   | 5.4   | 10.2  | 5.4   | 1.6   |
| 47.5° | 0.0   | 0.5   | 4.9   | 1.1   | 0.0   |
| 50°   | 0.0   | 0.0   | 1.6   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.0   | 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)