

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: P1311069

Luminaire Tested: P3SQAS05R559050DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311069  
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: P3SQAS05R559050DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

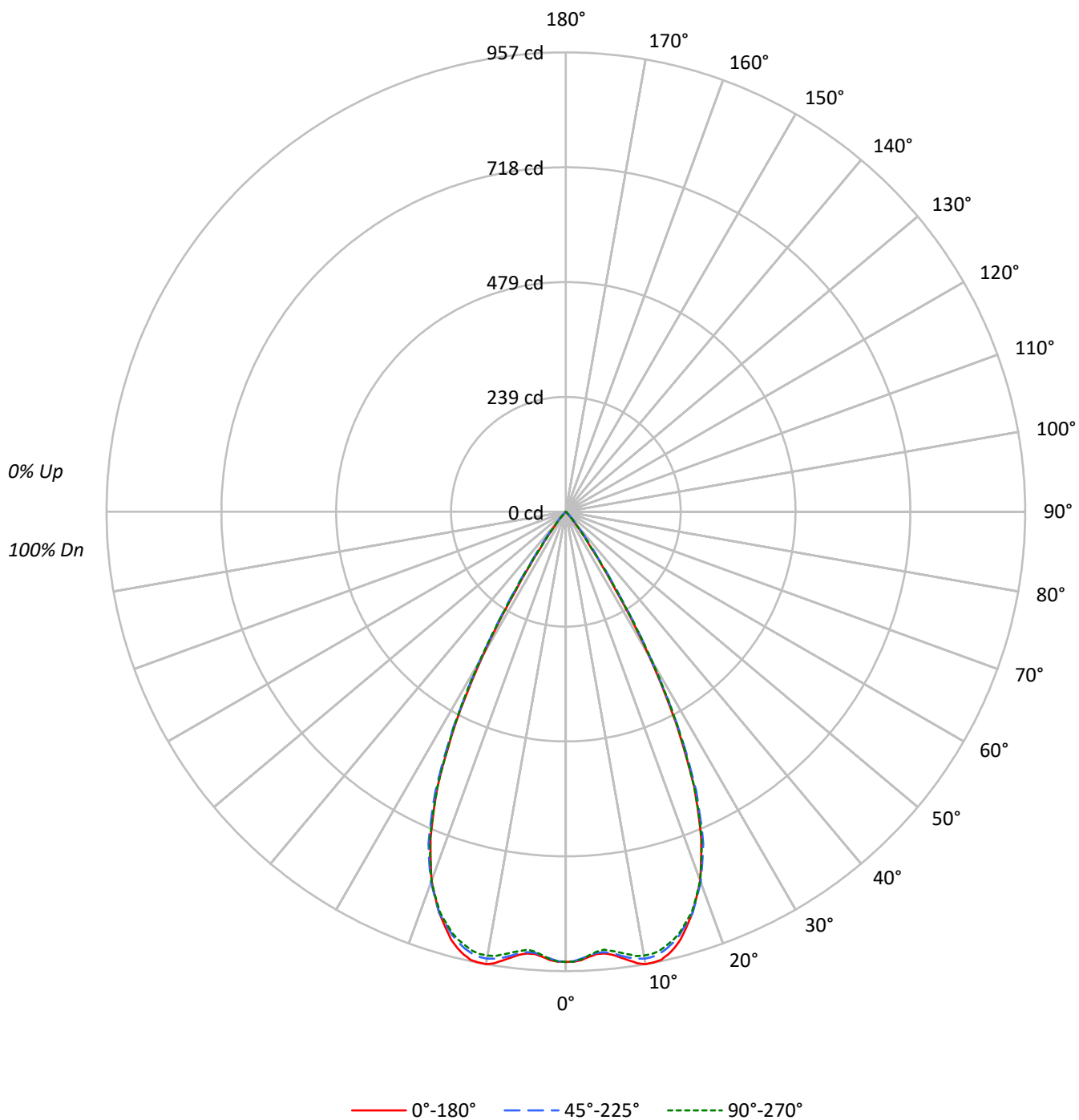
Lumens per Lamp: N/A  
Luminaire Lumens: 713.0 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 161510 | 161510 | 161510 |
| 5°  | 159672 | 159206 | 158341 |
| 10° | 167360 | 165349 | 164194 |
| 15° | 164587 | 162822 | 162233 |
| 20° | 149901 | 150506 | 150011 |
| 25° | 120268 | 122130 | 120268 |
| 30° | 69026  | 70776  | 71313  |
| 35° | 19679  | 23716  | 20268  |
| 40° | 5036   | 7262   | 5171   |
| 45° | 536    | 2533   | 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: 2533 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 89.0   | 12.5      |
| 10°-20°   | 254.1  | 35.6      |
| 20°-30°   | 279.9  | 39.3      |
| 30°-40°   | 83.5   | 11.7      |
| 40°-50°   | 6.4    | 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°    | 623.0  | 87.4      |
| 0°-40°    | 706.5  | 99.1      |
| 0°-60°    | 713.0  | 100.0     |
| 0°-90°    | 713.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 713.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 938 | 938   | 938 | 938   | 938 |      |
| 5°  | 924 | 922   | 921 | 917   | 916 | 90   |
| 15° | 923 | 916   | 913 | 909   | 910 | 256  |
| 25° | 633 | 633   | 643 | 642   | 633 | 277  |
| 35° | 94  | 100   | 113 | 103   | 96  | 77   |
| 45° | 2   | 6     | 10  | 6     | 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°    | 937.8 | 937.8 | 937.8 | 937.8 | 937.8 |
| 1°    | 937.3 | 937.3 | 936.2 | 935.7 | 937.3 |
| 2°    | 934.6 | 934.6 | 931.8 | 931.3 | 932.9 |
| 3°    | 928.5 | 928.0 | 925.8 | 924.2 | 925.2 |
| 4°    | 923.6 | 922.5 | 920.9 | 918.1 | 918.7 |
| 5°    | 923.6 | 922.0 | 920.9 | 917.0 | 915.9 |
| 6°    | 928.0 | 926.9 | 924.7 | 920.9 | 919.8 |
| 7°    | 935.7 | 933.5 | 931.3 | 926.3 | 925.2 |
| 8°    | 943.9 | 942.2 | 937.8 | 932.9 | 930.7 |
| 9°    | 952.1 | 948.2 | 942.8 | 937.8 | 937.3 |
| 10°   | 957.0 | 951.5 | 945.5 | 939.5 | 938.9 |
| 11°   | 956.5 | 951.5 | 944.4 | 938.9 | 938.4 |
| 12°   | 954.3 | 947.1 | 941.1 | 934.6 | 935.1 |
| 13°   | 946.6 | 940.0 | 934.0 | 929.1 | 928.0 |
| 14°   | 936.2 | 930.2 | 924.7 | 919.8 | 920.3 |
| 15°   | 923.1 | 916.5 | 913.2 | 909.4 | 909.9 |
| 17.5° | 876.5 | 874.9 | 876.5 | 872.1 | 873.8 |
| 20°   | 817.9 | 816.3 | 821.2 | 819.0 | 818.5 |
| 22.5° | 736.4 | 738.6 | 747.9 | 745.1 | 740.2 |
| 25°   | 632.9 | 632.9 | 642.7 | 641.7 | 632.9 |
| 27.5° | 498.2 | 502.0 | 508.1 | 510.8 | 504.2 |
| 30°   | 347.1 | 355.9 | 355.9 | 361.3 | 358.6 |
| 32.5° | 193.8 | 212.4 | 216.8 | 219.5 | 208.6 |
| 35°   | 93.6  | 99.6  | 112.8 | 102.9 | 96.4  |
| 37.5° | 44.9  | 47.6  | 60.8  | 49.3  | 46.0  |
| 40°   | 22.4  | 25.7  | 32.3  | 26.8  | 23.0  |
| 42.5° | 9.3   | 13.7  | 17.0  | 13.7  | 9.3   |
| 45°   | 2.2   | 5.5   | 10.4  | 5.5   | 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)