

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: P1316157

Luminaire Tested: P3SQAS09R559827DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316157  
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: P3SQAS09R559827DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

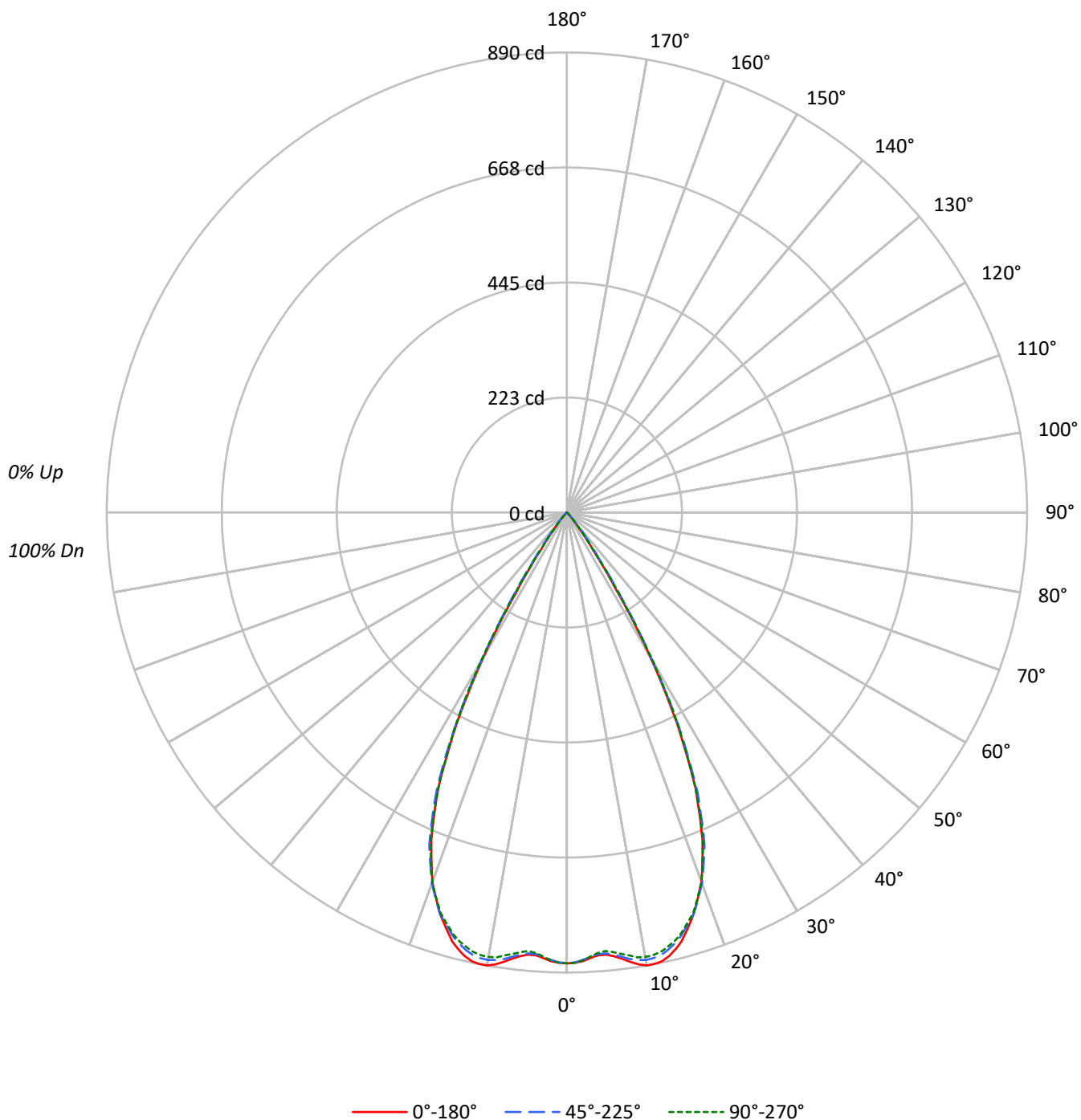
Lumens per Lamp: N/A  
Luminaire Lumens: 663.0 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 102 | 100 | 99  | 98  | 97  | 96  | 96  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  | 97  | 95  | 93  | 94  | 93  | 91  | 91  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  | 92  | 90  | 87  | 90  | 88  | 86  | 86  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 81  | 81  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 77  | 82  | 79  | 77  | 77  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 73  | 79  | 75  | 73  | 73  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 75  | 72  | 69  | 69  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 65  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  | 69  | 65  | 62  | 69  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 150195 | 150195 | 150195 |
| 5°  | 148470 | 148038 | 147242 |
| 10° | 155625 | 153754 | 152687 |
| 15° | 153033 | 151411 | 150858 |
| 20° | 139399 | 139949 | 139491 |
| 25° | 111831 | 113579 | 111831 |
| 30° | 64194  | 65805  | 66322  |
| 35° | 18312  | 22055  | 18838  |
| 40° | 4699   | 6745   | 4811   |
| 45° | 487    | 2363   | 365    |
| 50° | 0      | 402    | 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: 2363 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.8   | 12.5      |
| 10°-20°   | 236.3  | 35.6      |
| 20°-30°   | 260.2  | 39.3      |
| 30°-40°   | 77.7   | 11.7      |
| 40°-50°   | 6.0    | 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°    | 579.3  | 87.4      |
| 0°-40°    | 657.0  | 99.1      |
| 0°-60°    | 663.0  | 100.0     |
| 0°-90°    | 663.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 663.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 872 | 872   | 872 | 872   | 872 |      |
| 5°  | 859 | 857   | 856 | 853   | 852 | 83   |
| 15° | 858 | 852   | 849 | 846   | 846 | 238  |
| 25° | 588 | 588   | 598 | 597   | 588 | 258  |
| 35° | 87  | 93    | 105 | 96    | 90  | 72   |
| 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°    | 872.1 | 872.1 | 872.1 | 872.1 | 872.1 |
| 1°    | 871.6 | 871.6 | 870.5 | 870.0 | 871.6 |
| 2°    | 869.0 | 869.0 | 866.5 | 866.0 | 867.5 |
| 3°    | 863.4 | 862.9 | 860.9 | 859.3 | 860.4 |
| 4°    | 858.8 | 857.8 | 856.3 | 853.7 | 854.3 |
| 5°    | 858.8 | 857.3 | 856.3 | 852.7 | 851.7 |
| 6°    | 862.9 | 861.9 | 859.9 | 856.3 | 855.3 |
| 7°    | 870.0 | 868.0 | 866.0 | 861.4 | 860.4 |
| 8°    | 877.7 | 876.1 | 872.1 | 867.5 | 865.5 |
| 9°    | 885.3 | 881.7 | 876.7 | 872.1 | 871.6 |
| 10°   | 889.9 | 884.8 | 879.2 | 873.6 | 873.1 |
| 11°   | 889.4 | 884.8 | 878.2 | 873.1 | 872.6 |
| 12°   | 887.3 | 880.7 | 875.1 | 869.0 | 869.5 |
| 13°   | 880.2 | 874.1 | 868.5 | 863.9 | 862.9 |
| 14°   | 870.5 | 864.9 | 859.9 | 855.3 | 855.8 |
| 15°   | 858.3 | 852.2 | 849.2 | 845.6 | 846.1 |
| 17.5° | 815.1 | 813.5 | 815.1 | 811.0 | 812.5 |
| 20°   | 760.6 | 759.1 | 763.6 | 761.6 | 761.1 |
| 22.5° | 684.7 | 686.8 | 695.4 | 692.9 | 688.3 |
| 25°   | 588.5 | 588.5 | 597.7 | 596.7 | 588.5 |
| 27.5° | 463.3 | 466.8 | 472.4 | 475.0 | 468.9 |
| 30°   | 322.8 | 330.9 | 330.9 | 336.0 | 333.5 |
| 32.5° | 180.2 | 197.5 | 201.6 | 204.1 | 194.0 |
| 35°   | 87.1  | 92.7  | 104.9 | 95.7  | 89.6  |
| 37.5° | 41.7  | 44.3  | 56.5  | 45.8  | 42.8  |
| 40°   | 20.9  | 23.9  | 30.0  | 24.9  | 21.4  |
| 42.5° | 8.7   | 12.7  | 15.8  | 12.7  | 8.7   |
| 45°   | 2.0   | 5.1   | 9.7   | 5.1   | 1.5   |
| 47.5° | 0.0   | 0.5   | 4.6   | 1.0   | 0.0   |
| 50°   | 0.0   | 0.0   | 1.5   | 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)