

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: P1311513

Luminaire Tested: P3SQAS17R409050DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311513  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R409050DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

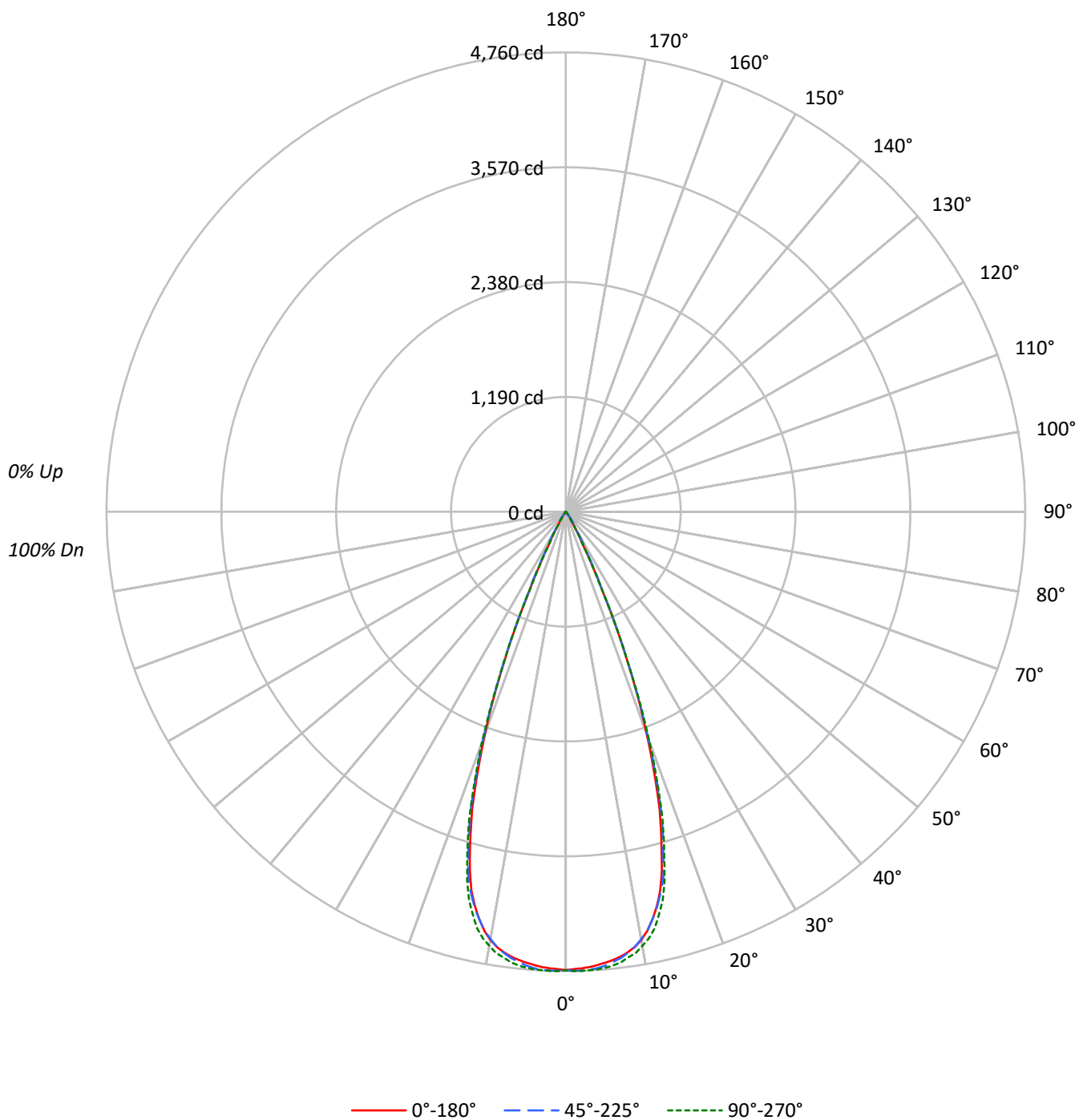
Lumens per Lamp: N/A  
Luminaire Lumens: 1997.0 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 76  | 72  | 70  |  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 817868 | 817868 | 817868 |
| 5°  | 810792 | 815892 | 819782 |
| 10° | 787692 | 786223 | 798517 |
| 15° | 685253 | 696289 | 704812 |
| 20° | 449740 | 458500 | 464438 |
| 25° | 160344 | 169694 | 159527 |
| 30° | 34961  | 47270  | 35239  |
| 35° | 11227  | 19511  | 10933  |
| 40° | 3485   | 6003   | 3170   |
| 45° | 341    | 2046   | 341    |
| 50° | 0      | 375    | 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: 2046 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 444.1  | 22.2      |
| 10°-20°   | 1034.3 | 51.8      |
| 20°-30°   | 463.9  | 23.2      |
| 30°-40°   | 50.1   | 2.5       |
| 40°-50°   | 4.6    | 0.2       |
| 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°    | 1942.2 | 97.3      |
| 0°-40°    | 1992.3 | 99.8      |
| 0°-60°    | 1997.0 | 100.0     |
| 0°-90°    | 1997.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1997.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4749 | 4749  | 4749 | 4749  | 4749 |      |
| 5°  | 4690 | 4702  | 4719 | 4726  | 4742 | 442  |
| 15° | 3843 | 3871  | 3905 | 3928  | 3953 | 1021 |
| 25° | 844  | 869   | 893  | 908   | 840  | 450  |
| 35° | 53   | 62    | 93   | 60    | 52   | 41   |
| 45° | 1    | 3     | 8    | 3     | 1    | 3    |
| 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°    | 4748.9 | 4748.9 | 4748.9 | 4748.9 | 4748.9 |
| 1°    | 4739.1 | 4748.9 | 4757.4 | 4750.3 | 4760.2 |
| 2°    | 4734.9 | 4746.1 | 4758.8 | 4751.7 | 4760.2 |
| 3°    | 4723.6 | 4737.7 | 4751.7 | 4747.5 | 4756.0 |
| 4°    | 4708.1 | 4719.4 | 4740.5 | 4740.5 | 4753.1 |
| 5°    | 4689.9 | 4702.5 | 4719.4 | 4726.4 | 4741.9 |
| 6°    | 4670.2 | 4677.2 | 4689.9 | 4703.9 | 4725.0 |
| 7°    | 4644.9 | 4644.9 | 4660.3 | 4674.4 | 4702.5 |
| 8°    | 4609.7 | 4606.9 | 4618.1 | 4636.4 | 4661.7 |
| 9°    | 4566.1 | 4556.3 | 4564.7 | 4591.4 | 4629.4 |
| 10°   | 4504.2 | 4495.8 | 4495.8 | 4529.5 | 4566.1 |
| 11°   | 4424.1 | 4421.3 | 4422.7 | 4455.0 | 4504.2 |
| 12°   | 4315.8 | 4318.6 | 4318.6 | 4355.2 | 4415.6 |
| 13°   | 4193.4 | 4192.0 | 4204.7 | 4245.5 | 4286.3 |
| 14°   | 4044.4 | 4052.8 | 4065.5 | 4102.0 | 4144.2 |
| 15°   | 3843.3 | 3871.4 | 3905.2 | 3927.7 | 3953.0 |
| 17.5° | 3231.6 | 3259.7 | 3306.1 | 3324.4 | 3330.0 |
| 20°   | 2453.9 | 2494.7 | 2501.7 | 2538.3 | 2534.1 |
| 22.5° | 1645.3 | 1642.5 | 1648.1 | 1652.3 | 1653.8 |
| 25°   | 843.8  | 869.1  | 893.0  | 908.4  | 839.5  |
| 27.5° | 367.0  | 410.6  | 441.6  | 400.8  | 371.3  |
| 30°   | 175.8  | 199.7  | 237.7  | 201.1  | 177.2  |
| 32.5° | 95.6   | 111.1  | 150.5  | 109.7  | 94.2   |
| 35°   | 53.4   | 61.9   | 92.8   | 60.5   | 52.0   |
| 37.5° | 30.9   | 33.8   | 50.6   | 33.8   | 29.5   |
| 40°   | 15.5   | 19.7   | 26.7   | 19.7   | 14.1   |
| 42.5° | 5.6    | 9.8    | 14.1   | 9.8    | 5.6    |
| 45°   | 1.4    | 2.8    | 8.4    | 2.8    | 1.4    |
| 47.5° | 0.0    | 0.0    | 4.2    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.4    | 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)