

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: P1311137

Luminaire Tested: P3SQAS09R259050DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311137  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259050DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

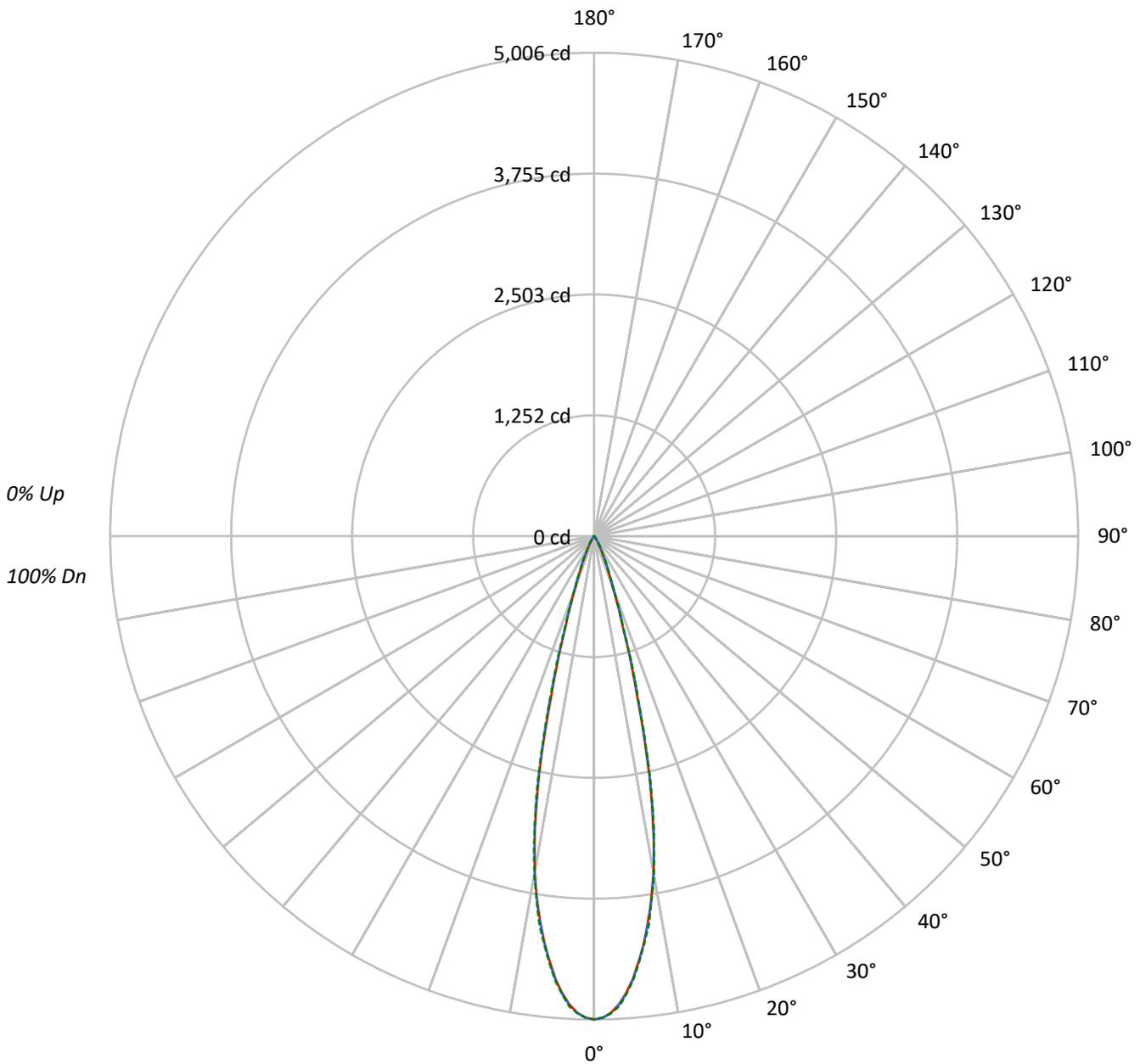
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1042.0 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20  |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 70  |     |     |     |     |     |     |     |     | 50  |     |     |     |     |     |     |     |     | 30  |  |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 99  | 97  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 94  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 94  | 94  | 94  | 94  | 94  | 94  | 94  | 94  | 94  | 94  | 92  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 90  | 94  | 92  | 90  | 94  | 92  | 90  | 94  | 92  | 90  | 89  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 92  | 90  | 88  | 92  | 90  | 88  | 92  | 90  | 88  | 87  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 87  | 85  | 90  | 87  | 85  | 90  | 87  | 85  | 90  | 87  | 85  | 84  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 83  | 88  | 85  | 83  | 88  | 85  | 83  | 88  | 85  | 83  | 82  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 86  | 83  | 81  | 86  | 83  | 81  | 80  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  | 83  | 80  | 78  | 82  | 79  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 77  |     |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 862129 | 862129 | 862129 |
| 5°  | 794939 | 796737 | 798397 |
| 10° | 617220 | 619458 | 622816 |
| 15° | 305014 | 317852 | 317994 |
| 20° | 102708 | 109599 | 104760 |
| 25° | 42528  | 47241  | 43744  |
| 30° | 16685  | 20980  | 16844  |
| 35° | 4373   | 8578   | 4541   |
| 40° | 1619   | 3417   | 1619   |
| 45° | 195    | 974    | 195    |
| 50° | 0      | 214    | 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: 974 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 405.6  | 38.9      |
| 10°-20°   | 490.6  | 47.1      |
| 20°-30°   | 119.8  | 11.5      |
| 30°-40°   | 23.3   | 2.2       |
| 40°-50°   | 2.6    | 0.3       |
| 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       |
| 0°-30°    | 1016.1 | 97.5      |
| 0°-40°    | 1039.3 | 99.7      |
| 0°-60°    | 1042.0 | 100.0     |
| 0°-90°    | 1042.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1042.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5006 | 5006  | 5006 | 5006  | 5006 |      |
| 5°  | 4598 | 4605  | 4609 | 4629  | 4618 | 404  |
| 15° | 1711 | 1752  | 1783 | 1800  | 1784 | 482  |
| 25° | 224  | 236   | 249  | 238   | 230  | 114  |
| 35° | 21   | 30    | 41   | 30    | 22   | 18   |
| 45° | 1    | 2     | 4    | 2     | 1    | 1    |
| 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    | 0    |



TEST NUMBER: P1311137

CATALOG NUMBER: P3SQAS09R259050DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5005.9 | 5005.9 | 5005.9 | 5005.9 | 5005.9 |
| 1°    | 4986.8 | 4989.9 | 4990.7 | 4995.5 | 4986.0 |
| 2°    | 4941.2 | 4942.0 | 4944.4 | 4954.0 | 4945.2 |
| 3°    | 4857.2 | 4862.8 | 4863.6 | 4876.4 | 4878.8 |
| 4°    | 4742.9 | 4746.1 | 4752.5 | 4774.1 | 4754.9 |
| 5°    | 4598.2 | 4604.6 | 4608.6 | 4628.6 | 4618.2 |
| 6°    | 4419.2 | 4420.8 | 4429.6 | 4452.7 | 4438.4 |
| 7°    | 4236.9 | 4236.1 | 4236.9 | 4255.3 | 4251.3 |
| 8°    | 4017.1 | 4013.1 | 4025.9 | 4048.2 | 4063.4 |
| 9°    | 3787.6 | 3793.2 | 3801.2 | 3822.8 | 3805.2 |
| 10°   | 3529.4 | 3544.6 | 3542.2 | 3543.8 | 3561.4 |
| 11°   | 3232.0 | 3236.8 | 3237.6 | 3254.4 | 3252.0 |
| 12°   | 2882.7 | 2882.7 | 2909.1 | 2936.3 | 2927.5 |
| 13°   | 2530.1 | 2554.9 | 2537.3 | 2542.9 | 2578.1 |
| 14°   | 2119.2 | 2138.4 | 2162.4 | 2184.8 | 2167.2 |
| 15°   | 1710.7 | 1751.5 | 1782.7 | 1800.3 | 1783.5 |
| 17.5° | 980.1  | 993.7  | 1020.1 | 1023.3 | 1012.9 |
| 20°   | 560.4  | 577.2  | 598.0  | 591.6  | 571.6  |
| 22.5° | 352.5  | 357.3  | 378.1  | 367.7  | 362.9  |
| 25°   | 223.8  | 235.8  | 248.6  | 238.2  | 230.2  |
| 27.5° | 139.1  | 147.1  | 160.7  | 149.5  | 140.7  |
| 30°   | 83.9   | 91.1   | 105.5  | 90.3   | 84.7   |
| 32.5° | 44.0   | 54.4   | 66.4   | 55.2   | 44.0   |
| 35°   | 20.8   | 29.6   | 40.8   | 29.6   | 21.6   |
| 37.5° | 12.8   | 16.0   | 24.8   | 16.0   | 12.8   |
| 40°   | 7.2    | 10.4   | 15.2   | 10.4   | 7.2    |
| 42.5° | 3.2    | 5.6    | 7.2    | 5.6    | 4.0    |
| 45°   | 0.8    | 2.4    | 4.0    | 2.4    | 0.8    |
| 47.5° | 0.0    | 0.0    | 2.4    | 0.8    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.8    | 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)