

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: P1310959

Luminaire Tested: P3SQAS05R159050DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R159050DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

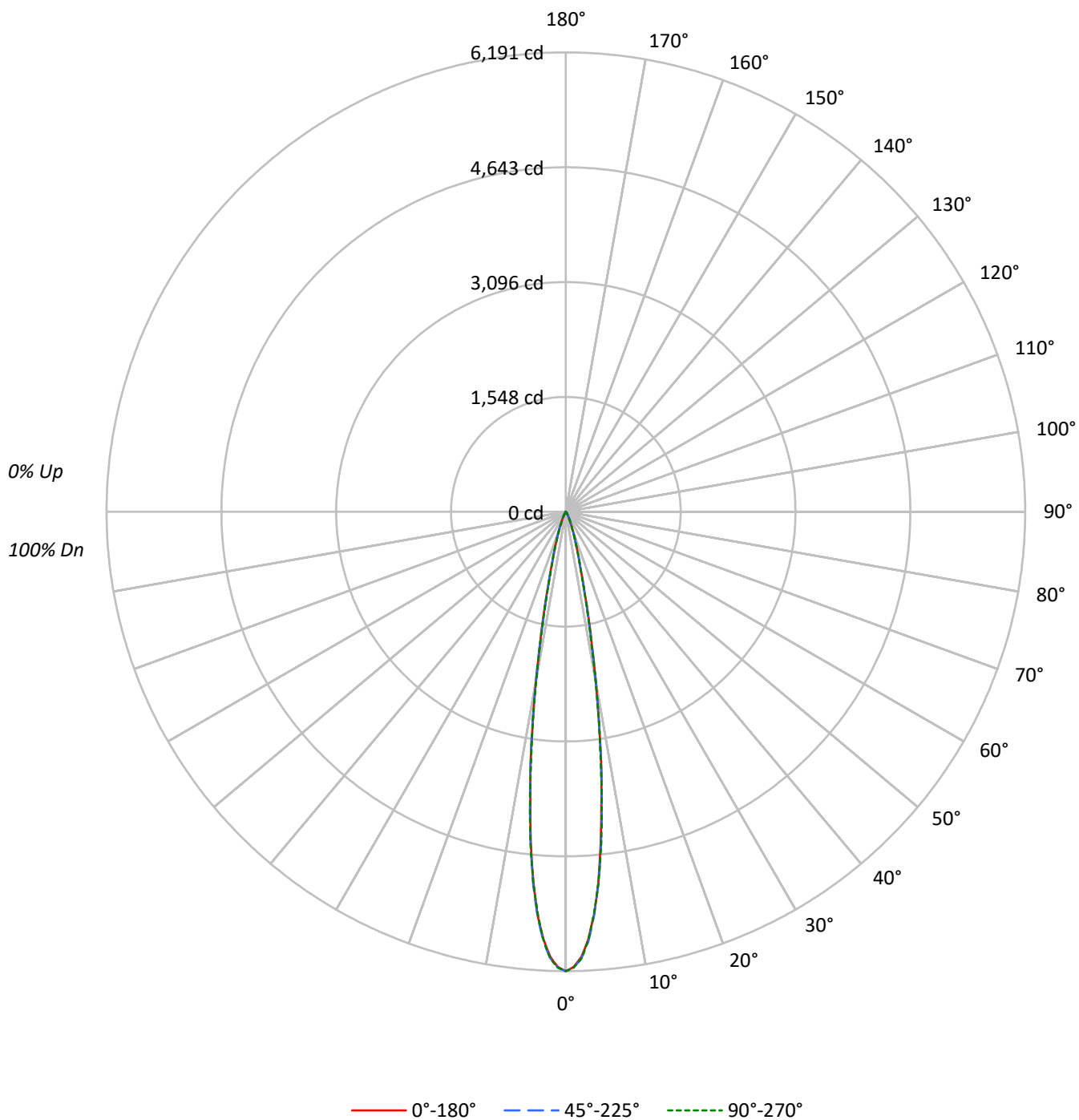
Lumens per Lamp: N/A  
Luminaire Lumens: 691.0 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1066282 | 1066282 | 1066282 |
| 5°  | 868154  | 870989  | 869295  |
| 10° | 404968  | 408606  | 403447  |
| 15° | 127162  | 128250  | 127465  |
| 20° | 50382   | 52380   | 48788   |
| 25° | 20352   | 24608   | 19630   |
| 30° | 8153    | 11196   | 7716    |
| 35° | 2418    | 4941    | 2292    |
| 40° | 742     | 1844    | 607     |
| 45° | 122     | 390     | 122     |
| 50° | 0       | 134     | 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: 390 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 387.6  | 56.1      |
| 10°-20°   | 231.8  | 33.6      |
| 20°-30°   | 58.5   | 8.5       |
| 30°-40°   | 11.9   | 1.7       |
| 40°-50°   | 1.1    | 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°    | 677.9  | 98.1      |
| 0°-40°    | 689.9  | 99.8      |
| 0°-60°    | 691.0  | 100.0     |
| 0°-90°    | 691.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 691.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6191 | 6191  | 6191 | 6191  | 6191 |      |
| 5°  | 5022 | 5012  | 5038 | 5026  | 5028 | 386  |
| 15° | 713  | 719   | 719  | 709   | 715  | 232  |
| 25° | 107  | 117   | 130  | 115   | 103  | 55   |
| 35° | 12   | 15    | 24   | 15    | 11   | 9    |
| 45° | 0    | 1     | 2    | 1     | 0    | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 6191.3 | 6191.3 | 6191.3 | 6191.3 | 6191.3 |
| 1°    | 6135.6 | 6156.4 | 6145.4 | 6154.2 | 6144.3 |
| 2°    | 6002.8 | 6030.6 | 6021.9 | 6019.2 | 6026.8 |
| 3°    | 5768.9 | 5801.1 | 5800.0 | 5791.8 | 5778.7 |
| 4°    | 5449.7 | 5436.5 | 5456.8 | 5454.6 | 5432.2 |
| 5°    | 5021.7 | 5012.4 | 5038.1 | 5025.5 | 5028.3 |
| 6°    | 4498.1 | 4538.6 | 4529.8 | 4530.9 | 4541.3 |
| 7°    | 3935.7 | 3957.6 | 3976.2 | 3991.5 | 3970.1 |
| 8°    | 3419.2 | 3413.8 | 3415.4 | 3432.9 | 3373.9 |
| 9°    | 2841.0 | 2874.9 | 2853.0 | 2818.0 | 2840.4 |
| 10°   | 2315.7 | 2336.5 | 2336.5 | 2305.9 | 2307.0 |
| 11°   | 1846.3 | 1863.2 | 1851.2 | 1858.8 | 1810.7 |
| 12°   | 1488.3 | 1446.2 | 1436.3 | 1444.0 | 1443.4 |
| 13°   | 1136.3 | 1139.0 | 1136.3 | 1135.7 | 1130.3 |
| 14°   | 890.9  | 905.1  | 899.1  | 884.3  | 877.8  |
| 15°   | 713.2  | 719.3  | 719.3  | 708.9  | 714.9  |
| 17.5° | 428.5  | 435.6  | 437.2  | 430.1  | 430.1  |
| 20°   | 274.9  | 278.2  | 285.8  | 275.5  | 266.2  |
| 22.5° | 169.4  | 176.5  | 189.7  | 174.3  | 166.7  |
| 25°   | 107.1  | 117.0  | 129.5  | 114.8  | 103.3  |
| 27.5° | 67.2   | 75.4   | 86.4   | 72.1   | 65.0   |
| 30°   | 41.0   | 46.5   | 56.3   | 45.4   | 38.8   |
| 32.5° | 23.0   | 27.3   | 35.5   | 26.2   | 21.9   |
| 35°   | 11.5   | 15.3   | 23.5   | 14.8   | 10.9   |
| 37.5° | 6.6    | 8.2    | 14.8   | 7.1    | 6.0    |
| 40°   | 3.3    | 4.4    | 8.2    | 4.4    | 2.7    |
| 42.5° | 1.1    | 2.2    | 3.3    | 2.2    | 1.1    |
| 45°   | 0.5    | 1.1    | 1.6    | 1.1    | 0.5    |
| 47.5° | 0.0    | 0.0    | 0.5    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.5    | 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)