

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: P1309383

Luminaire Tested: P3SQAS20R159035D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R159035D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

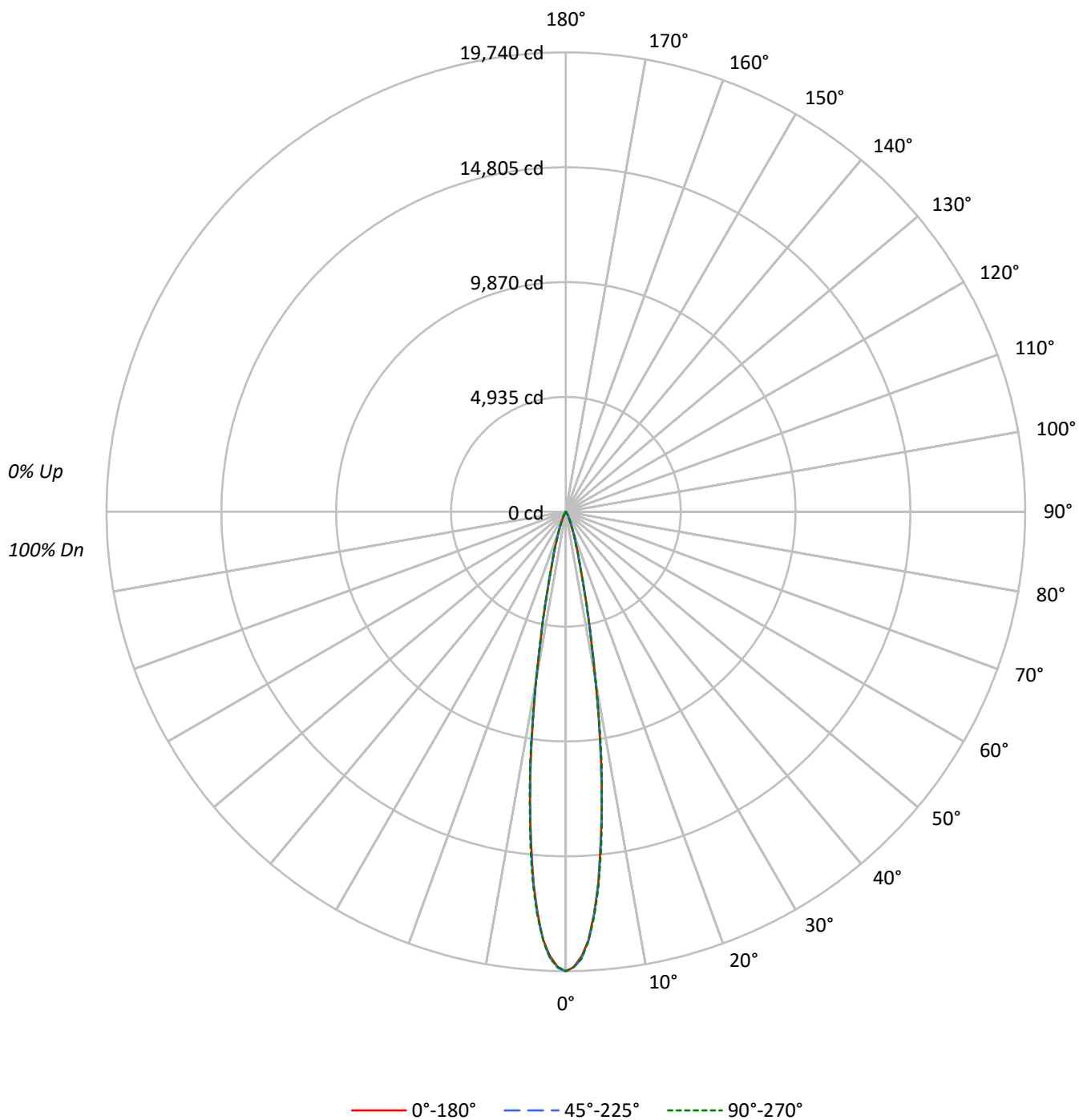
Lumens per Lamp: N/A  
Luminaire Lumens: 2216.0 lumens  
Efficiency: N/A  
Efficacy: 76.9 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 |  | 104 | 103 | 102 |  | 101 |
| 2   | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 |  | 102 | 100 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 104 | 102 | 99  | 102 | 100 | 98  |  | 100 | 98  | 96  |  | 98  |
| 4   | 107 | 102 | 99  | 97  | 106 | 101 | 98  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 96  | 94  | 103 | 99  | 96  | 93  | 97  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 102 | 97  | 94  | 91  | 101 | 97  | 93  | 91  | 95  | 92  | 90  |  | 94  | 92  | 90  |  | 93  |
| 7   | 100 | 95  | 92  | 89  | 99  | 94  | 91  | 89  | 93  | 91  | 89  |  | 92  | 90  | 88  |  | 92  |
| 8   | 98  | 93  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 87  |  | 91  | 88  | 87  |  | 90  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 85  | 90  | 87  | 85  |  | 89  | 87  | 85  |  | 89  |
| 10  | 95  | 89  | 86  | 84  | 94  | 89  | 86  | 84  | 89  | 86  | 84  |  | 88  | 85  | 84  |  | 87  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 3399606 | 3399606 | 3399606 |
| 5°  | 2764359 | 2773989 | 2783618 |
| 10° | 1287410 | 1288617 | 1281622 |
| 15° | 398336  | 412599  | 404843  |
| 20° | 158808  | 167734  | 156884  |
| 25° | 66452   | 78367   | 63146   |
| 30° | 26986   | 35995   | 24918   |
| 35° | 8788    | 16462   | 8052    |
| 40° | 3125    | 6655    | 3125    |
| 45° | 1267    | 2119    | 1267    |
| 50° | 938     | 1393    | 938     |
| 55° | 1051    | 1051    | 1051    |
| 60° | 1206    | 1206    | 1206    |
| 65° | 693     | 693     | 693     |
| 70° | 856     | 856     | 856     |
| 75° | 1131    | 1131    | 1131    |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2119 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1235.6 | 55.8      |
| 10°-20°   | 738.8  | 33.3      |
| 20°-30°   | 188.0  | 8.5       |
| 30°-40°   | 40.8   | 1.8       |
| 40°-50°   | 6.6    | 0.3       |
| 50°-60°   | 3.2    | 0.1       |
| 60°-70°   | 1.9    | 0.1       |
| 70°-80°   | 1.1    | 0.1       |
| 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°    | 2162.3 | 97.6      |
| 0°-40°    | 2203.2 | 99.4      |
| 0°-60°    | 2212.9 | 99.9      |
| 0°-90°    | 2216.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2216.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 19740 | 19740 | 19740 | 19740 | 19740 |      |
| 5°  | 15990 | 16013 | 16046 | 15973 | 16101 | 1233 |
| 15° | 2234  | 2297  | 2314  | 2281  | 2271  | 735  |
| 25° | 350   | 374   | 412   | 365   | 332   | 178  |
| 35° | 42    | 54    | 78    | 52    | 38    | 33   |
| 45° | 5     | 7     | 9     | 7     | 5     | 5    |
| 55° | 4     | 4     | 4     | 4     | 4     | 3    |
| 65° | 2     | 2     | 2     | 2     | 2     | 2    |
| 75° | 2     | 2     | 2     | 2     | 2     | 1    |
| 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°    | 19739.6 | 19739.6 | 19739.6 | 19739.6 | 19739.6 |
| 1°    | 19567.3 | 19600.4 | 19605.6 | 19600.4 | 19572.5 |
| 2°    | 19127.1 | 19224.6 | 19203.7 | 19161.9 | 19221.1 |
| 3°    | 18446.8 | 18495.5 | 18488.6 | 18492.0 | 18478.1 |
| 4°    | 17340.2 | 17425.5 | 17376.7 | 17413.3 | 17416.8 |
| 5°    | 15990.0 | 16012.6 | 16045.7 | 15972.6 | 16101.4 |
| 6°    | 14328.4 | 14472.8 | 14345.8 | 14471.0 | 14521.5 |
| 7°    | 12638.9 | 12722.4 | 12560.6 | 12647.6 | 12699.8 |
| 8°    | 10911.1 | 10765.0 | 10853.7 | 10855.5 | 11027.7 |
| 9°    | 9045.9  | 9075.5  | 9150.3  | 9065.1  | 9139.9  |
| 10°   | 7361.7  | 7429.5  | 7368.6  | 7339.1  | 7328.6  |
| 11°   | 5813.1  | 5889.7  | 5884.5  | 5893.2  | 5835.7  |
| 12°   | 4676.9  | 4636.9  | 4663.0  | 4577.8  | 4616.1  |
| 13°   | 3639.9  | 3641.7  | 3620.8  | 3586.0  | 3554.7  |
| 14°   | 2851.8  | 2834.4  | 2883.1  | 2839.6  | 2799.6  |
| 15°   | 2234.1  | 2296.7  | 2314.1  | 2281.1  | 2270.6  |
| 17.5° | 1378.0  | 1379.8  | 1404.1  | 1372.8  | 1369.3  |
| 20°   | 866.5   | 887.4   | 915.2   | 882.1   | 856.0   |
| 22.5° | 548.1   | 567.2   | 610.7   | 569.0   | 532.4   |
| 25°   | 349.7   | 374.1   | 412.4   | 365.4   | 332.3   |
| 27.5° | 219.2   | 241.9   | 278.4   | 234.9   | 210.5   |
| 30°   | 135.7   | 151.4   | 181.0   | 147.9   | 125.3   |
| 32.5° | 78.3    | 94.0    | 118.3   | 88.7    | 74.8    |
| 35°   | 41.8    | 53.9    | 78.3    | 52.2    | 38.3    |
| 37.5° | 24.4    | 31.3    | 50.5    | 27.8    | 22.6    |
| 40°   | 13.9    | 19.1    | 29.6    | 17.4    | 13.9    |
| 42.5° | 8.7     | 12.2    | 13.9    | 10.4    | 7.0     |
| 45°   | 5.2     | 7.0     | 8.7     | 7.0     | 5.2     |
| 47.5° | 3.5     | 5.2     | 7.0     | 3.5     | 3.5     |
| 50°   | 3.5     | 3.5     | 5.2     | 3.5     | 3.5     |
| 52.5° | 3.5     | 3.5     | 3.5     | 3.5     | 3.5     |
| 55°   | 3.5     | 3.5     | 3.5     | 3.5     | 3.5     |
| 57.5° | 3.5     | 3.5     | 3.5     | 3.5     | 3.5     |
| 60°   | 3.5     | 3.5     | 3.5     | 3.5     | 3.5     |
| 62.5° | 1.7     | 1.7     | 1.7     | 1.7     | 1.7     |
| 65°   | 1.7     | 1.7     | 1.7     | 1.7     | 1.7     |
| 67.5° | 1.7     | 1.7     | 1.7     | 1.7     | 1.7     |
| 70°   | 1.7     | 1.7     | 1.7     | 1.7     | 1.7     |
| 72.5° | 1.7     | 1.7     | 1.7     | 1.7     | 1.7     |
| 75°   | 1.7     | 1.7     | 1.7     | 1.7     | 1.7     |
| 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)