

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: P1313842

Luminaire Tested: P3SQAS02R159735DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313842  
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: P3SQAS02R159735DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

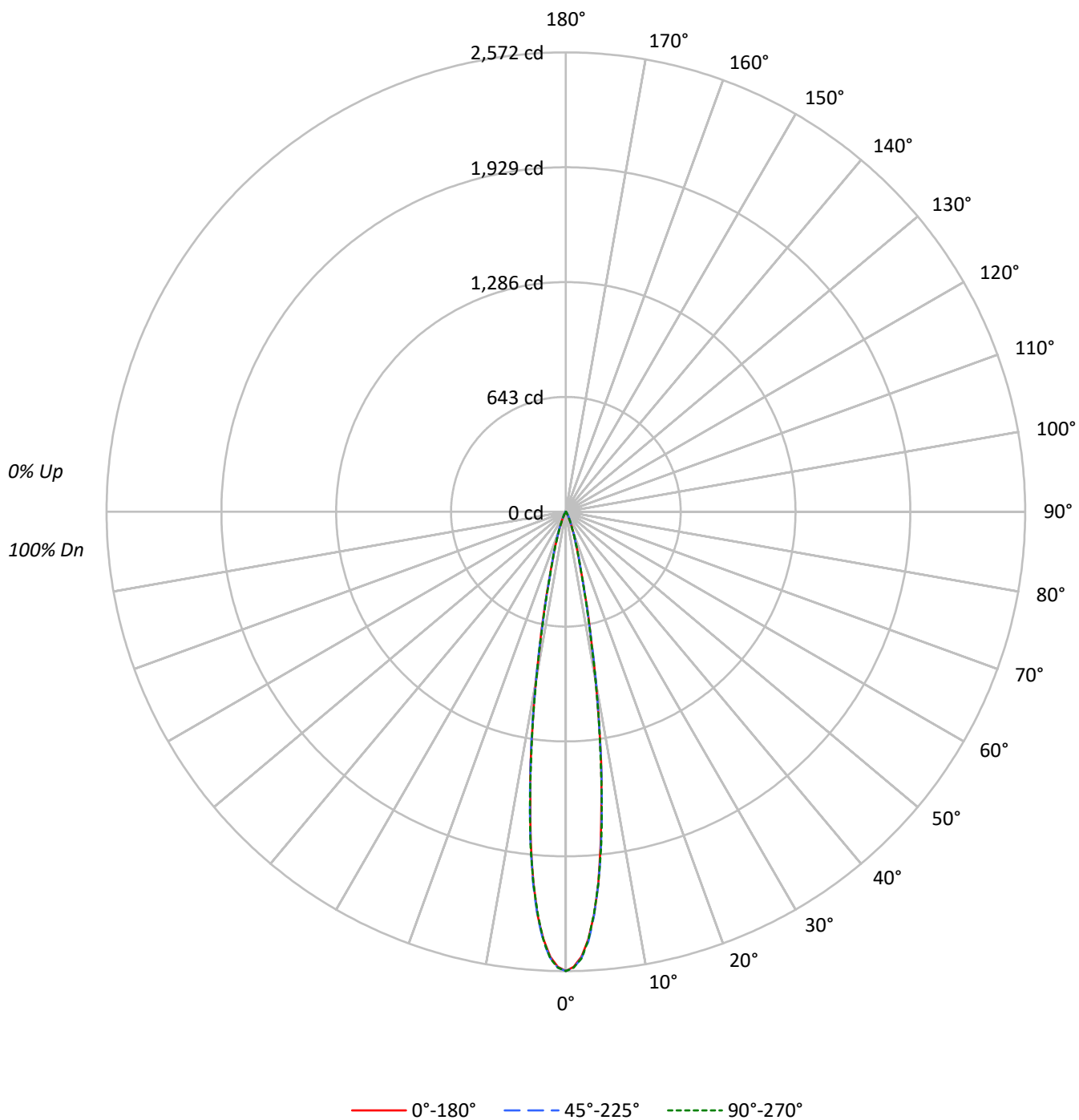
Lumens per Lamp: N/A  
Luminaire Lumens: 287.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 | 106 |  | 104 | 103 | 102 |  | 101 |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 90  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 10  | 95  | 90  | 87  | 84  | 95  | 89  | 86  | 84  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 442871 | 442871 | 442871 |
| 5°  | 360577 | 361752 | 361044 |
| 10° | 168199 | 169703 | 167569 |
| 15° | 52812  | 53258  | 52937  |
| 20° | 20930  | 21755  | 20270  |
| 25° | 8456   | 10223  | 8152   |
| 30° | 3381   | 4653   | 3202   |
| 35° | 1009   | 2060   | 946    |
| 40° | 315    | 764    | 247    |
| 45° | 49     | 170    | 49     |
| 50° | 0      | 54     | 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: 170 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 161.0  | 56.1      |
| 10°-20°   | 96.3   | 33.5      |
| 20°-30°   | 24.3   | 8.5       |
| 30°-40°   | 5.0    | 1.7       |
| 40°-50°   | 0.5    | 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°    | 281.6  | 98.1      |
| 0°-40°    | 286.5  | 99.8      |
| 0°-60°    | 287.0  | 100.0     |
| 0°-90°    | 287.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 287.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2572 | 2572  | 2572 | 2572  | 2572 |      |
| 5°  | 2086 | 2082  | 2092 | 2087  | 2088 | 161  |
| 15° | 296  | 299   | 299  | 294   | 297  | 96   |
| 25° | 44   | 49    | 54   | 48    | 43   | 23   |
| 35° | 5    | 6     | 10   | 6     | 4    | 4    |
| 45° | 0    | 0     | 1    | 0     | 0    | 0    |
| 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°    | 2571.5 | 2571.5 | 2571.5 | 2571.5 | 2571.5 |
| 1°    | 2548.4 | 2557.0 | 2552.4 | 2556.1 | 2552.0 |
| 2°    | 2493.2 | 2504.8 | 2501.1 | 2500.0 | 2503.2 |
| 3°    | 2396.0 | 2409.4 | 2409.0 | 2405.6 | 2400.1 |
| 4°    | 2263.5 | 2258.0 | 2266.4 | 2265.5 | 2256.2 |
| 5°    | 2085.7 | 2081.9 | 2092.5 | 2087.3 | 2088.4 |
| 6°    | 1868.2 | 1885.0 | 1881.4 | 1881.9 | 1886.2 |
| 7°    | 1634.7 | 1643.7 | 1651.5 | 1657.8 | 1649.0 |
| 8°    | 1420.1 | 1417.9 | 1418.6 | 1425.8 | 1401.3 |
| 9°    | 1180.0 | 1194.0 | 1185.0 | 1170.4 | 1179.7 |
| 10°   | 961.8  | 970.4  | 970.4  | 957.7  | 958.2  |
| 11°   | 766.8  | 773.9  | 768.9  | 772.0  | 752.1  |
| 12°   | 618.1  | 600.7  | 596.6  | 599.7  | 599.5  |
| 13°   | 471.9  | 473.1  | 471.9  | 471.7  | 469.4  |
| 14°   | 370.0  | 375.9  | 373.4  | 367.3  | 364.6  |
| 15°   | 296.2  | 298.7  | 298.7  | 294.4  | 296.9  |
| 17.5° | 178.0  | 180.9  | 181.6  | 178.7  | 178.7  |
| 20°   | 114.2  | 115.5  | 118.7  | 114.4  | 110.6  |
| 22.5° | 70.4   | 73.3   | 78.8   | 72.4   | 69.2   |
| 25°   | 44.5   | 48.6   | 53.8   | 47.7   | 42.9   |
| 27.5° | 27.9   | 31.3   | 35.9   | 30.0   | 27.0   |
| 30°   | 17.0   | 19.3   | 23.4   | 18.8   | 16.1   |
| 32.5° | 9.5    | 11.4   | 14.8   | 10.9   | 9.1    |
| 35°   | 4.8    | 6.4    | 9.8    | 6.1    | 4.5    |
| 37.5° | 2.7    | 3.4    | 6.1    | 3.0    | 2.5    |
| 40°   | 1.4    | 1.8    | 3.4    | 1.8    | 1.1    |
| 42.5° | 0.5    | 0.9    | 1.4    | 0.9    | 0.5    |
| 45°   | 0.2    | 0.5    | 0.7    | 0.5    | 0.2    |
| 47.5° | 0.0    | 0.0    | 0.2    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.2    | 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)