

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: P1312872

Luminaire Tested: P3SQAS02R159730DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312872  
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: P3SQAS02R159730DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

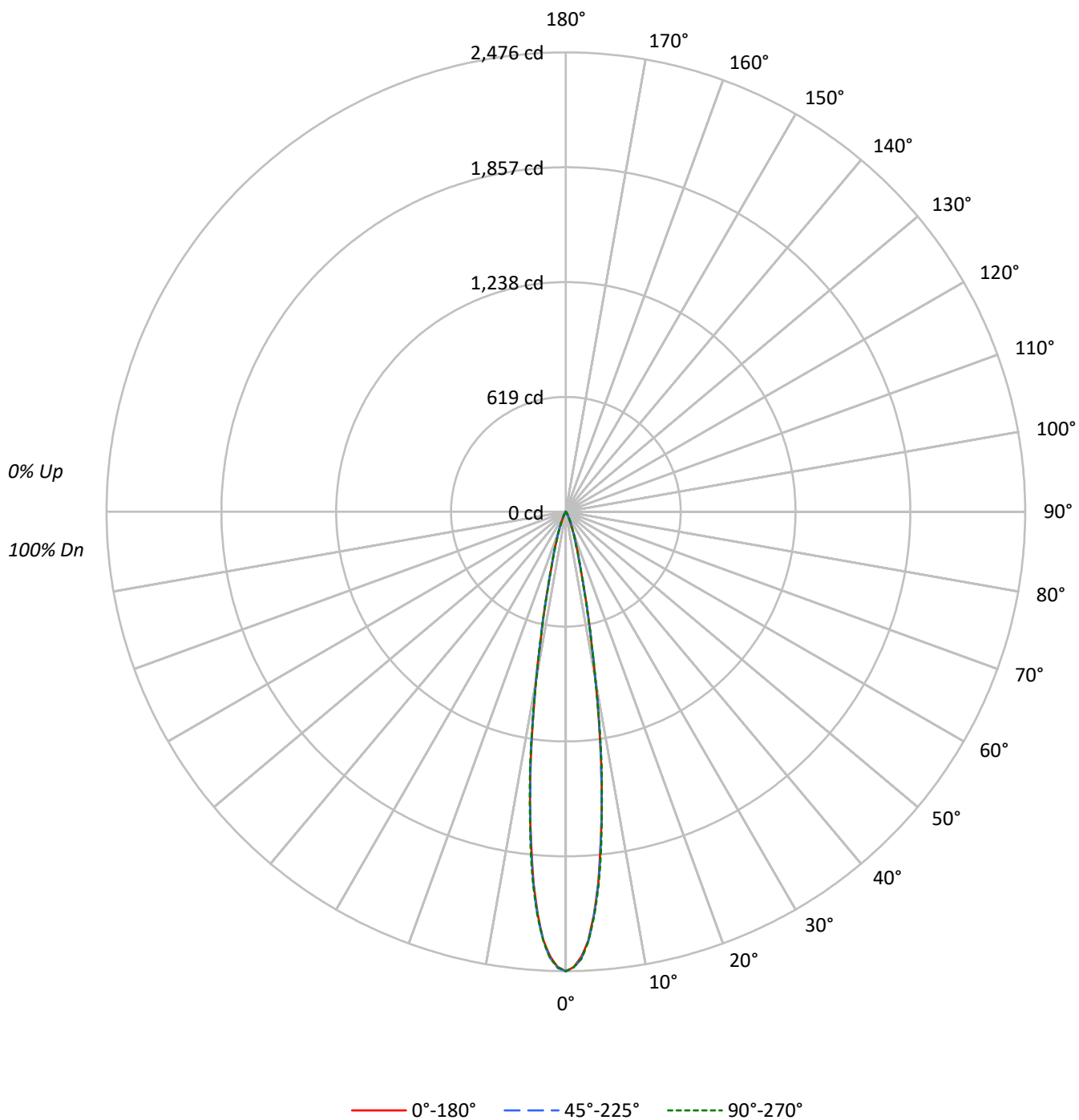
Lumens per Lamp: N/A  
Luminaire Lumens: 277.9 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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 | 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  | 93  | 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°  | 426492 | 426492 | 426492 |
| 5°  | 346798 | 348008 | 349201 |
| 10° | 161501 | 161659 | 160784 |
| 15° | 49977  | 51760  | 50797  |
| 20° | 19922  | 21040  | 19684  |
| 25° | 8342   | 9824   | 7924   |
| 30° | 3381   | 4514   | 3122   |
| 35° | 1093   | 2060   | 1009   |
| 40° | 382    | 832    | 382    |
| 45° | 170    | 268    | 170    |
| 50° | 107    | 188    | 107    |
| 55° | 120    | 120    | 120    |
| 60° | 138    | 138    | 138    |
| 65° | 82     | 82     | 82     |
| 70° | 101    | 101    | 101    |
| 75° | 133    | 133    | 133    |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 268 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 155.0  | 55.8      |
| 10°-20°   | 92.7   | 33.3      |
| 20°-30°   | 23.6   | 8.5       |
| 30°-40°   | 5.1    | 1.8       |
| 40°-50°   | 0.8    | 0.3       |
| 50°-60°   | 0.4    | 0.1       |
| 60°-70°   | 0.2    | 0.1       |
| 70°-80°   | 0.1    | 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°    | 271.3  | 97.6      |
| 0°-40°    | 276.4  | 99.4      |
| 0°-60°    | 277.6  | 99.9      |
| 0°-90°    | 277.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 277.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2476 | 2476  | 2476 | 2476  | 2476 |      |
| 5°  | 2006 | 2009  | 2013 | 2004  | 2020 | 155  |
| 15° | 280  | 288   | 290  | 286   | 285  | 92   |
| 25° | 44   | 47    | 52   | 46    | 42   | 22   |
| 35° | 5    | 7     | 10   | 6     | 5    | 4    |
| 45° | 1    | 1     | 1    | 1     | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2476.4 | 2476.4 | 2476.4 | 2476.4 | 2476.4 |
| 1°    | 2454.7 | 2458.9 | 2459.5 | 2458.9 | 2455.4 |
| 2°    | 2399.5 | 2411.7 | 2409.1 | 2403.9 | 2411.3 |
| 3°    | 2314.2 | 2320.3 | 2319.4 | 2319.9 | 2318.1 |
| 4°    | 2175.4 | 2186.0 | 2179.9 | 2184.5 | 2185.0 |
| 5°    | 2006.0 | 2008.8 | 2013.0 | 2003.8 | 2019.9 |
| 6°    | 1797.5 | 1815.6 | 1799.7 | 1815.4 | 1821.7 |
| 7°    | 1585.6 | 1596.0 | 1575.7 | 1586.7 | 1593.2 |
| 8°    | 1368.8 | 1350.5 | 1361.6 | 1361.8 | 1383.4 |
| 9°    | 1134.8 | 1138.5 | 1147.9 | 1137.2 | 1146.6 |
| 10°   | 923.5  | 932.0  | 924.4  | 920.7  | 919.4  |
| 11°   | 729.3  | 738.9  | 738.2  | 739.3  | 732.1  |
| 12°   | 586.7  | 581.7  | 585.0  | 574.3  | 579.1  |
| 13°   | 456.6  | 456.9  | 454.2  | 449.9  | 445.9  |
| 14°   | 357.8  | 355.6  | 361.7  | 356.2  | 351.2  |
| 15°   | 280.3  | 288.1  | 290.3  | 286.2  | 284.9  |
| 17.5° | 172.9  | 173.1  | 176.1  | 172.2  | 171.8  |
| 20°   | 108.7  | 111.3  | 114.8  | 110.7  | 107.4  |
| 22.5° | 68.8   | 71.2   | 76.6   | 71.4   | 66.8   |
| 25°   | 43.9   | 46.9   | 51.7   | 45.8   | 41.7   |
| 27.5° | 27.5   | 30.3   | 34.9   | 29.5   | 26.4   |
| 30°   | 17.0   | 19.0   | 22.7   | 18.6   | 15.7   |
| 32.5° | 9.8    | 11.8   | 14.8   | 11.1   | 9.4    |
| 35°   | 5.2    | 6.8    | 9.8    | 6.5    | 4.8    |
| 37.5° | 3.1    | 3.9    | 6.3    | 3.5    | 2.8    |
| 40°   | 1.7    | 2.4    | 3.7    | 2.2    | 1.7    |
| 42.5° | 1.1    | 1.5    | 1.7    | 1.3    | 0.9    |
| 45°   | 0.7    | 0.9    | 1.1    | 0.9    | 0.7    |
| 47.5° | 0.4    | 0.7    | 0.9    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.4    | 0.7    | 0.4    | 0.4    |
| 52.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 55°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 57.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 60°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 62.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 65°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 67.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 70°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 72.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 75°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 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)