

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: P1313844

Luminaire Tested: P3SQAS02R159735DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313844  
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: P3SQAS02R159735DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

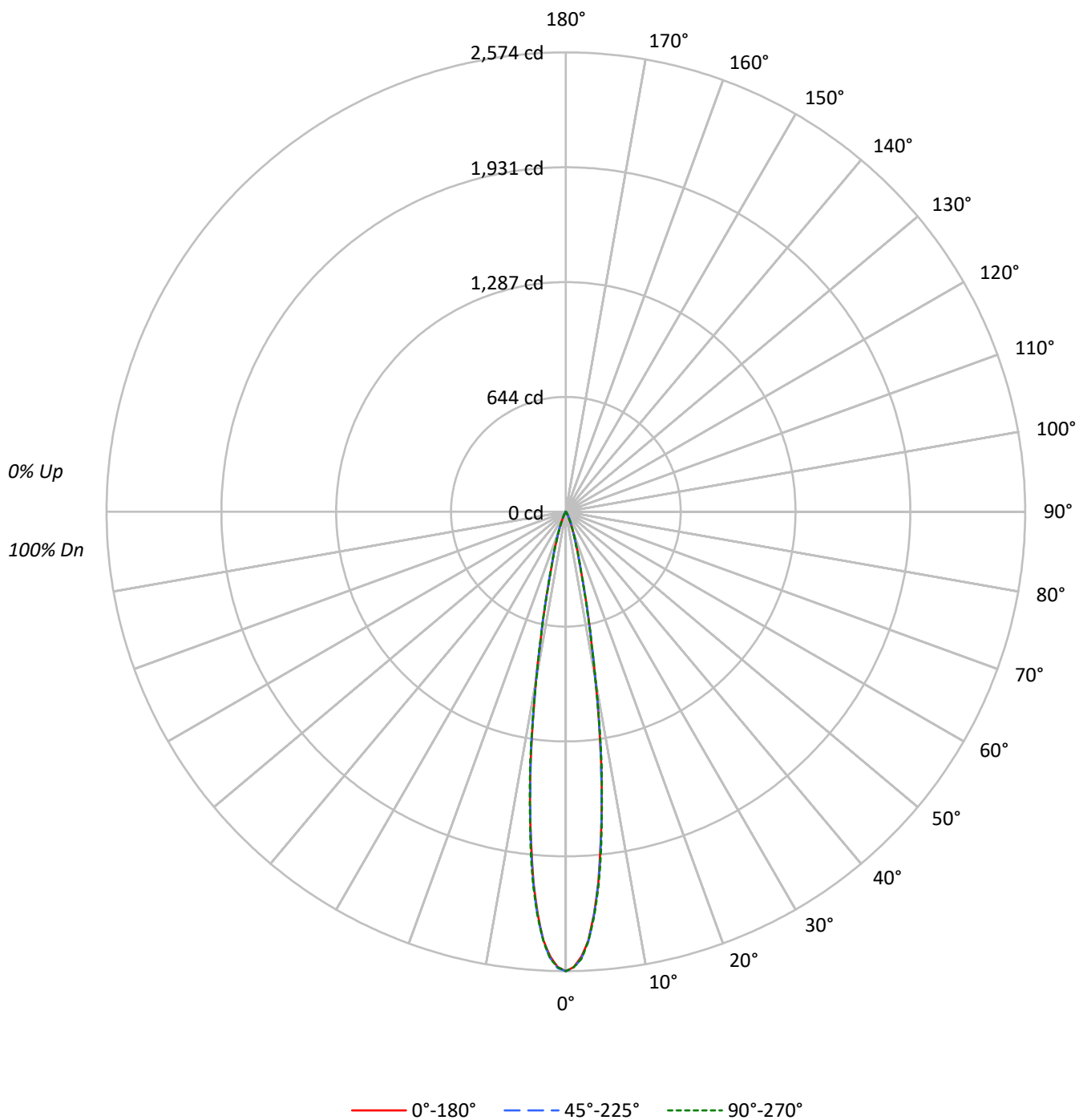
Lumens per Lamp: N/A  
Luminaire Lumens: 289.0 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 98  | 98  |
| 2   | 112 | 109 | 107 | 105 | 110 | 108 | 105 | 103 | 105 | 103 | 101 | 102 | 100 | 99  | 99  | 98  | 97  | 96  | 96  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 104 | 102 | 99  | 102 | 100 | 98  | 100 | 98  | 96  | 98  | 96  | 95  | 94  | 94  | 94  |
| 4   | 107 | 102 | 99  | 97  | 106 | 101 | 98  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92  | 92  |
| 5   | 105 | 100 | 96  | 94  | 103 | 99  | 96  | 93  | 97  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 90  | 90  | 90  |
| 6   | 102 | 97  | 94  | 91  | 101 | 97  | 93  | 91  | 95  | 92  | 90  | 94  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 7   | 100 | 95  | 92  | 89  | 99  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 88  | 92  | 89  | 88  | 87  | 87  | 87  |
| 8   | 98  | 93  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 87  | 91  | 88  | 86  | 90  | 88  | 86  | 85  | 85  | 85  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 87  | 85  | 89  | 86  | 85  | 84  | 84  | 84  |
| 10  | 95  | 89  | 86  | 84  | 94  | 89  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 87  | 85  | 83  | 83  | 83  | 83  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 443353 | 443353 | 443353 |
| 5°  | 360508 | 361770 | 363032 |
| 10° | 167902 | 168059 | 167150 |
| 15° | 51956  | 53810  | 52794  |
| 20° | 20710  | 21883  | 20454  |
| 25° | 8665   | 10223  | 8228   |
| 30° | 3520   | 4693   | 3242   |
| 35° | 1135   | 2144   | 1051   |
| 40° | 405    | 877    | 405    |
| 45° | 170    | 268    | 170    |
| 50° | 134    | 188    | 134    |
| 55° | 150    | 150    | 150    |
| 60° | 172    | 172    | 172    |
| 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°    | 161.1  | 55.8      |
| 10°-20°   | 96.3   | 33.3      |
| 20°-30°   | 24.5   | 8.5       |
| 30°-40°   | 5.3    | 1.8       |
| 40°-50°   | 0.9    | 0.3       |
| 50°-60°   | 0.5    | 0.2       |
| 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       |
| 0°-30°    | 282.0  | 97.6      |
| 0°-40°    | 287.3  | 99.4      |
| 0°-60°    | 288.6  | 99.9      |
| 0°-90°    | 289.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 289.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2574 | 2574  | 2574 | 2574  | 2574 |      |
| 5°  | 2085 | 2088  | 2093 | 2083  | 2100 | 161  |
| 15° | 291  | 300   | 302  | 298   | 296  | 96   |
| 25° | 46   | 49    | 54   | 48    | 43   | 23   |
| 35° | 5    | 7     | 10   | 7     | 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°    | 2574.3 | 2574.3 | 2574.3 | 2574.3 | 2574.3 |
| 1°    | 2551.9 | 2556.2 | 2556.9 | 2556.2 | 2552.6 |
| 2°    | 2494.5 | 2507.2 | 2504.5 | 2499.0 | 2506.7 |
| 3°    | 2405.7 | 2412.1 | 2411.2 | 2411.6 | 2409.8 |
| 4°    | 2261.4 | 2272.5 | 2266.2 | 2271.0 | 2271.4 |
| 5°    | 2085.3 | 2088.3 | 2092.6 | 2083.1 | 2099.9 |
| 6°    | 1868.6 | 1887.5 | 1870.9 | 1887.2 | 1893.8 |
| 7°    | 1648.3 | 1659.2 | 1638.1 | 1649.4 | 1656.2 |
| 8°    | 1423.0 | 1403.9 | 1415.5 | 1415.7 | 1438.2 |
| 9°    | 1179.7 | 1183.6 | 1193.3 | 1182.2 | 1192.0 |
| 10°   | 960.1  | 968.9  | 961.0  | 957.1  | 955.8  |
| 11°   | 758.1  | 768.1  | 767.4  | 768.6  | 761.1  |
| 12°   | 609.9  | 604.7  | 608.1  | 597.0  | 602.0  |
| 13°   | 474.7  | 474.9  | 472.2  | 467.7  | 463.6  |
| 14°   | 371.9  | 369.6  | 376.0  | 370.3  | 365.1  |
| 15°   | 291.4  | 299.5  | 301.8  | 297.5  | 296.1  |
| 17.5° | 179.7  | 179.9  | 183.1  | 179.0  | 178.6  |
| 20°   | 113.0  | 115.7  | 119.4  | 115.0  | 111.6  |
| 22.5° | 71.5   | 74.0   | 79.6   | 74.2   | 69.4   |
| 25°   | 45.6   | 48.8   | 53.8   | 47.7   | 43.3   |
| 27.5° | 28.6   | 31.5   | 36.3   | 30.6   | 27.5   |
| 30°   | 17.7   | 19.7   | 23.6   | 19.3   | 16.3   |
| 32.5° | 10.2   | 12.3   | 15.4   | 11.6   | 9.8    |
| 35°   | 5.4    | 7.0    | 10.2   | 6.8    | 5.0    |
| 37.5° | 3.2    | 4.1    | 6.6    | 3.6    | 2.9    |
| 40°   | 1.8    | 2.5    | 3.9    | 2.3    | 1.8    |
| 42.5° | 1.1    | 1.6    | 1.8    | 1.4    | 0.9    |
| 45°   | 0.7    | 0.9    | 1.1    | 0.9    | 0.7    |
| 47.5° | 0.5    | 0.7    | 0.9    | 0.5    | 0.5    |
| 50°   | 0.5    | 0.5    | 0.7    | 0.5    | 0.5    |
| 52.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 55°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 57.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 60°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 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)