

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: P1313086

Luminaire Tested: P3SQAS05R309730DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R309730DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

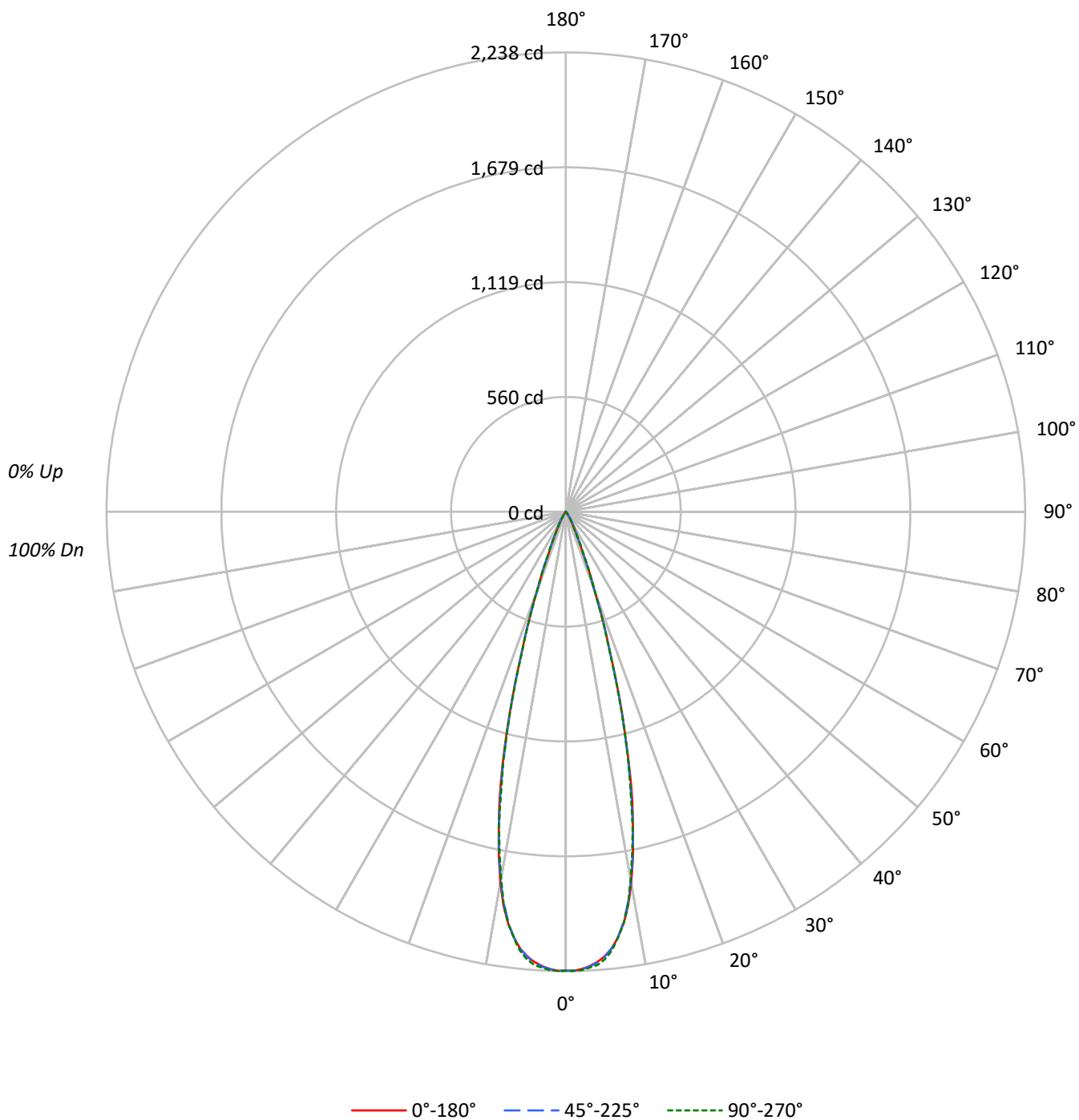
Lumens per Lamp: N/A  
Luminaire Lumens: 577.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 102 | 101 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  |  | 100 | 99  | 97  |  | 98  |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  |  | 98  | 95  | 94  |  | 95  |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  |  | 95  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  |  | 87  | 85  | 82  |  | 87  |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  |  | 85  | 82  | 80  |  | 84  |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  |  | 81  | 78  | 76  |  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 385107 | 385107 | 385107 |
| 5°  | 375721 | 376188 | 378280 |
| 10° | 320904 | 319400 | 317529 |
| 15° | 198036 | 195718 | 196431 |
| 20° | 74850  | 75253  | 75180  |
| 25° | 23031  | 25236  | 24038  |
| 30° | 9287   | 11773  | 9645   |
| 35° | 2733   | 5004   | 2838   |
| 40° | 1102   | 2023   | 1102   |
| 45° | 219    | 658    | 219    |
| 50° | 0      | 107    | 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: 658 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 197.2  | 34.2      |
| 10°-20°   | 292.0  | 50.6      |
| 20°-30°   | 72.4   | 12.6      |
| 30°-40°   | 13.6   | 2.4       |
| 40°-50°   | 1.7    | 0.3       |
| 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°    | 561.7  | 97.3      |
| 0°-40°    | 575.3  | 99.7      |
| 0°-60°    | 577.0  | 100.0     |
| 0°-90°    | 577.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 577.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2236 | 2236  | 2236 | 2236  | 2236 |      |
| 5°  | 2173 | 2172  | 2176 | 2180  | 2188 | 197  |
| 15° | 1111 | 1100  | 1098 | 1106  | 1102 | 293  |
| 25° | 121  | 129   | 133  | 132   | 126  | 70   |
| 35° | 13   | 17    | 24   | 18    | 14   | 11   |
| 45° | 1    | 1     | 3    | 2     | 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°    | 2236.1 | 2236.1 | 2236.1 | 2236.1 | 2236.1 |
| 1°    | 2237.0 | 2235.2 | 2235.2 | 2232.6 | 2237.5 |
| 2°    | 2229.0 | 2227.2 | 2230.3 | 2228.1 | 2234.4 |
| 3°    | 2216.8 | 2214.6 | 2219.1 | 2220.4 | 2223.6 |
| 4°    | 2198.9 | 2197.1 | 2202.0 | 2204.7 | 2213.3 |
| 5°    | 2173.3 | 2172.4 | 2176.0 | 2179.6 | 2188.1 |
| 6°    | 2138.3 | 2137.0 | 2139.2 | 2143.7 | 2149.1 |
| 7°    | 2087.6 | 2084.9 | 2086.7 | 2087.6 | 2089.0 |
| 8°    | 2023.4 | 2019.4 | 2017.2 | 2022.1 | 2024.8 |
| 9°    | 1940.9 | 1936.4 | 1931.4 | 1929.6 | 1935.9 |
| 10°   | 1835.0 | 1828.2 | 1826.4 | 1821.9 | 1815.7 |
| 11°   | 1712.0 | 1706.6 | 1705.3 | 1697.2 | 1693.6 |
| 12°   | 1571.1 | 1568.4 | 1571.5 | 1566.6 | 1564.8 |
| 13°   | 1436.0 | 1419.0 | 1416.7 | 1407.3 | 1402.4 |
| 14°   | 1276.3 | 1260.6 | 1260.1 | 1255.2 | 1261.9 |
| 15°   | 1110.7 | 1099.9 | 1097.7 | 1106.2 | 1101.7 |
| 17.5° | 708.1  | 715.3  | 713.5  | 709.0  | 701.4  |
| 20°   | 408.4  | 403.4  | 410.6  | 412.4  | 410.2  |
| 22.5° | 217.6  | 219.4  | 220.8  | 226.2  | 229.8  |
| 25°   | 121.2  | 129.2  | 132.8  | 132.4  | 126.5  |
| 27.5° | 75.4   | 80.3   | 87.1   | 82.6   | 77.6   |
| 30°   | 46.7   | 50.7   | 59.2   | 51.2   | 48.5   |
| 32.5° | 25.1   | 31.9   | 38.1   | 31.9   | 26.0   |
| 35°   | 13.0   | 17.1   | 23.8   | 17.5   | 13.5   |
| 37.5° | 8.5    | 9.9    | 15.3   | 9.9    | 8.5    |
| 40°   | 4.9    | 6.3    | 9.0    | 6.3    | 4.9    |
| 42.5° | 2.2    | 3.6    | 4.9    | 3.6    | 2.2    |
| 45°   | 0.9    | 1.3    | 2.7    | 1.8    | 0.9    |
| 47.5° | 0.0    | 0.4    | 1.3    | 0.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.4    | 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)