

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: P1314426

Luminaire Tested: P3SQAS13R459735DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R459735DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

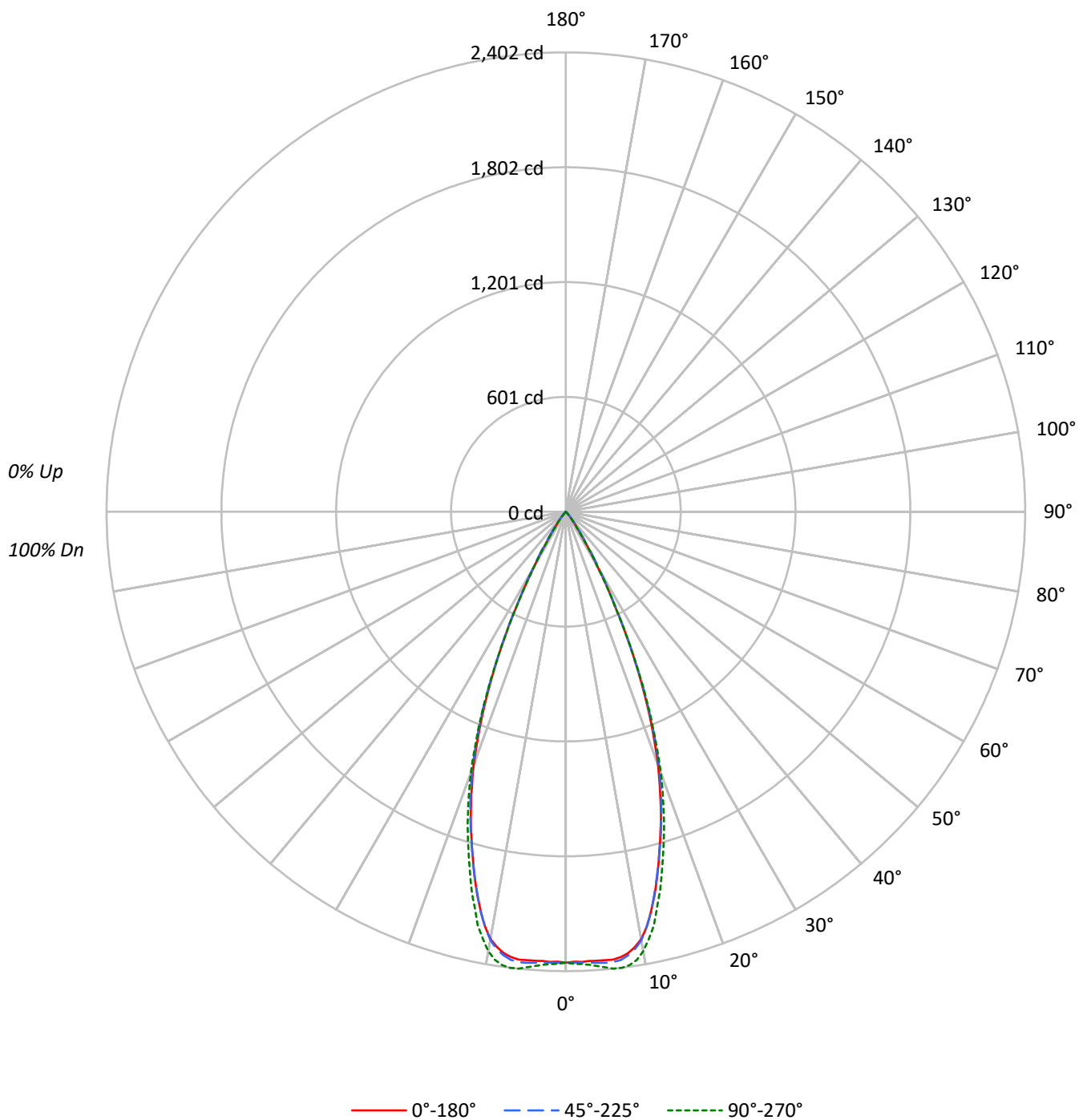
Lumens per Lamp: N/A  
Luminaire Lumens: 1219.0 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 102 | 102 | 100 |
| 1   | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97  | 98  | 95  |
| 2   | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99  | 101 | 99  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 92  | 94  | 91  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 97  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 88  | 90  | 87  |
| 4   | 102 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 89  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 84  | 86  | 83  |
| 5   | 98  | 91  | 86  | 83  | 96  | 90  | 86  | 82  | 88  | 85  | 82  | 87  | 83  | 81  | 85  | 82  | 80  | 80  | 82  | 79  |
| 6   | 94  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 81  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 77  | 79  | 75  |
| 7   | 91  | 83  | 78  | 75  | 89  | 82  | 78  | 74  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 73  | 73  | 76  | 72  |
| 8   | 87  | 79  | 75  | 71  | 86  | 79  | 74  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 70  | 73  | 69  |
| 9   | 84  | 76  | 71  | 68  | 83  | 76  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 73  | 70  | 67  | 67  | 70  | 66  |
| 10  | 81  | 73  | 68  | 65  | 80  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 71  | 67  | 65  | 65  | 67  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 406067 | 406067 | 406067 |
| 5°  | 406978 | 409329 | 413409 |
| 10° | 396801 | 397588 | 408046 |
| 15° | 334754 | 334915 | 345898 |
| 20° | 258400 | 262066 | 266373 |
| 25° | 160306 | 160478 | 161523 |
| 30° | 66143  | 70279  | 65049  |
| 35° | 20583  | 25145  | 19805  |
| 40° | 6317   | 8768   | 5913   |
| 45° | 438    | 3312   | 438    |
| 50° | 0      | 482    | 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: 3312 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 224.4  | 18.4      |
| 10°-20°   | 521.7  | 42.8      |
| 20°-30°   | 382.7  | 31.4      |
| 30°-40°   | 82.3   | 6.7       |
| 40°-50°   | 7.8    | 0.6       |
| 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°    | 1128.9 | 92.6      |
| 0°-40°    | 1211.1 | 99.4      |
| 0°-60°    | 1219.0 | 100.0     |
| 0°-90°    | 1219.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1219.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2358 | 2358  | 2358 | 2358  | 2358 |      |
| 5°  | 2354 | 2360  | 2368 | 2384  | 2391 | 223  |
| 15° | 1878 | 1874  | 1878 | 1908  | 1940 | 517  |
| 25° | 844  | 841   | 844  | 844   | 850  | 378  |
| 35° | 98   | 105   | 120  | 102   | 94   | 77   |
| 45° | 2    | 5     | 14   | 5     | 2    | 5    |
| 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°    | 2357.8 | 2357.8 | 2357.8 | 2357.8 | 2357.8 |
| 1°    | 2353.2 | 2358.7 | 2358.7 | 2362.3 | 2364.1 |
| 2°    | 2355.0 | 2358.7 | 2357.8 | 2364.1 | 2366.8 |
| 3°    | 2352.3 | 2358.7 | 2360.5 | 2367.7 | 2372.3 |
| 4°    | 2353.2 | 2358.7 | 2364.1 | 2375.0 | 2381.3 |
| 5°    | 2354.1 | 2360.5 | 2367.7 | 2384.0 | 2391.3 |
| 6°    | 2355.0 | 2359.6 | 2367.7 | 2388.6 | 2402.2 |
| 7°    | 2346.0 | 2352.3 | 2361.4 | 2387.7 | 2402.2 |
| 8°    | 2331.5 | 2335.1 | 2342.4 | 2376.8 | 2394.0 |
| 9°    | 2304.3 | 2303.4 | 2314.3 | 2352.3 | 2372.3 |
| 10°   | 2269.0 | 2258.1 | 2273.5 | 2311.5 | 2333.3 |
| 11°   | 2211.9 | 2200.1 | 2213.7 | 2254.5 | 2275.3 |
| 12°   | 2137.6 | 2137.6 | 2140.3 | 2176.5 | 2212.8 |
| 13°   | 2058.7 | 2049.7 | 2055.1 | 2095.9 | 2121.3 |
| 14°   | 1971.7 | 1962.7 | 1968.1 | 1998.9 | 2038.8 |
| 15°   | 1877.5 | 1873.9 | 1878.4 | 1908.3 | 1940.0 |
| 17.5° | 1653.7 | 1645.5 | 1661.8 | 1691.8 | 1708.1 |
| 20°   | 1409.9 | 1423.5 | 1429.9 | 1448.9 | 1453.4 |
| 22.5° | 1129.9 | 1144.4 | 1153.5 | 1156.2 | 1158.9 |
| 25°   | 843.6  | 840.9  | 844.5  | 844.5  | 850.0  |
| 27.5° | 554.6  | 554.6  | 564.5  | 558.2  | 551.8  |
| 30°   | 332.6  | 346.1  | 353.4  | 341.6  | 327.1  |
| 32.5° | 181.2  | 194.8  | 206.6  | 189.4  | 176.7  |
| 35°   | 97.9   | 105.1  | 119.6  | 102.4  | 94.2   |
| 37.5° | 53.5   | 59.8   | 68.9   | 58.0   | 53.5   |
| 40°   | 28.1   | 34.4   | 39.0   | 34.4   | 26.3   |
| 42.5° | 9.1    | 17.2   | 22.7   | 17.2   | 8.2    |
| 45°   | 1.8    | 5.4    | 13.6   | 5.4    | 1.8    |
| 47.5° | 0.0    | 0.9    | 6.3    | 0.9    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.8    | 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)