

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: P1318029

Luminaire Tested: P3SQAS13R409835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318029  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R409835DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

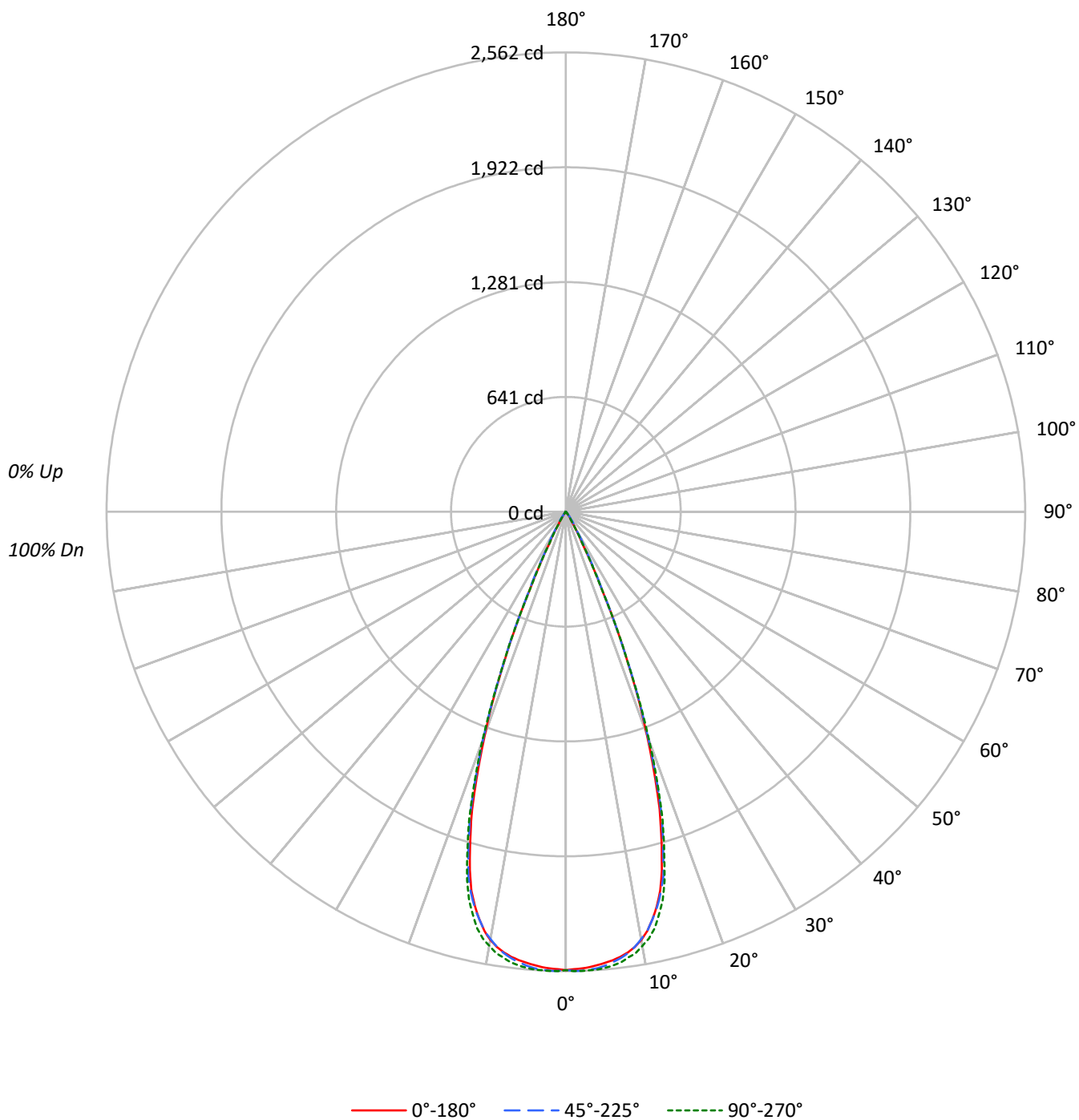
Lumens per Lamp: N/A  
Luminaire Lumens: 1075.0 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 76  | 72  | 70  |  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 440270 | 440270 | 440270 |
| 5°  | 436454 | 439203 | 441295 |
| 10° | 424030 | 423226 | 429854 |
| 15° | 368881 | 374818 | 379400 |
| 20° | 242107 | 246817 | 250006 |
| 25° | 86310  | 91346  | 85873  |
| 30° | 18813  | 25435  | 18972  |
| 35° | 6055   | 10512  | 5887   |
| 40° | 1866   | 3237   | 1709   |
| 45° | 195    | 1096   | 195    |
| 50° | 0      | 214    | 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: 1096 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 239.1  | 22.2      |
| 10°-20°   | 556.7  | 51.8      |
| 20°-30°   | 249.7  | 23.2      |
| 30°-40°   | 27.0   | 2.5       |
| 40°-50°   | 2.5    | 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°    | 1045.5 | 97.3      |
| 0°-40°    | 1072.5 | 99.8      |
| 0°-60°    | 1075.0 | 100.0     |
| 0°-90°    | 1075.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1075.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2556 | 2556  | 2556 | 2556  | 2556 |      |
| 5°  | 2525 | 2531  | 2540 | 2544  | 2553 | 238  |
| 15° | 2069 | 2084  | 2102 | 2114  | 2128 | 550  |
| 25° | 454  | 468   | 481  | 489   | 452  | 242  |
| 35° | 29   | 33    | 50   | 33    | 28   | 22   |
| 45° | 1    | 2     | 4    | 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°    | 2556.4 | 2556.4 | 2556.4 | 2556.4 | 2556.4 |
| 1°    | 2551.1 | 2556.4 | 2560.9 | 2557.1 | 2562.4 |
| 2°    | 2548.8 | 2554.9 | 2561.7 | 2557.9 | 2562.4 |
| 3°    | 2542.8 | 2550.3 | 2557.9 | 2555.6 | 2560.2 |
| 4°    | 2534.4 | 2540.5 | 2551.8 | 2551.8 | 2558.7 |
| 5°    | 2524.6 | 2531.4 | 2540.5 | 2544.3 | 2552.6 |
| 6°    | 2514.0 | 2517.8 | 2524.6 | 2532.2 | 2543.5 |
| 7°    | 2500.4 | 2500.4 | 2508.7 | 2516.3 | 2531.4 |
| 8°    | 2481.4 | 2479.9 | 2486.0 | 2495.8 | 2509.4 |
| 9°    | 2458.0 | 2452.7 | 2457.2 | 2471.6 | 2492.0 |
| 10°   | 2424.7 | 2420.1 | 2420.1 | 2438.3 | 2458.0 |
| 11°   | 2381.5 | 2380.0 | 2380.8 | 2398.2 | 2424.7 |
| 12°   | 2323.2 | 2324.7 | 2324.7 | 2344.4 | 2377.0 |
| 13°   | 2257.4 | 2256.6 | 2263.4 | 2285.4 | 2307.3 |
| 14°   | 2177.1 | 2181.7 | 2188.5 | 2208.2 | 2230.9 |
| 15°   | 2068.9 | 2084.0 | 2102.2 | 2114.3 | 2127.9 |
| 17.5° | 1739.6 | 1754.7 | 1779.7 | 1789.5 | 1792.6 |
| 20°   | 1321.0 | 1342.9 | 1346.7 | 1366.4 | 1364.1 |
| 22.5° | 885.7  | 884.2  | 887.2  | 889.5  | 890.2  |
| 25°   | 454.2  | 467.8  | 480.7  | 489.0  | 451.9  |
| 27.5° | 197.6  | 221.0  | 237.7  | 215.7  | 199.8  |
| 30°   | 94.6   | 107.5  | 127.9  | 108.3  | 95.4   |
| 32.5° | 51.5   | 59.8   | 81.0   | 59.0   | 50.7   |
| 35°   | 28.8   | 33.3   | 50.0   | 32.6   | 28.0   |
| 37.5° | 16.7   | 18.2   | 27.3   | 18.2   | 15.9   |
| 40°   | 8.3    | 10.6   | 14.4   | 10.6   | 7.6    |
| 42.5° | 3.0    | 5.3    | 7.6    | 5.3    | 3.0    |
| 45°   | 0.8    | 1.5    | 4.5    | 1.5    | 0.8    |
| 47.5° | 0.0    | 0.0    | 2.3    | 0.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.8    | 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)