

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: P1316096

Luminaire Tested: P3SQAS09R309827DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316096  
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: P3SQAS09R309827DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

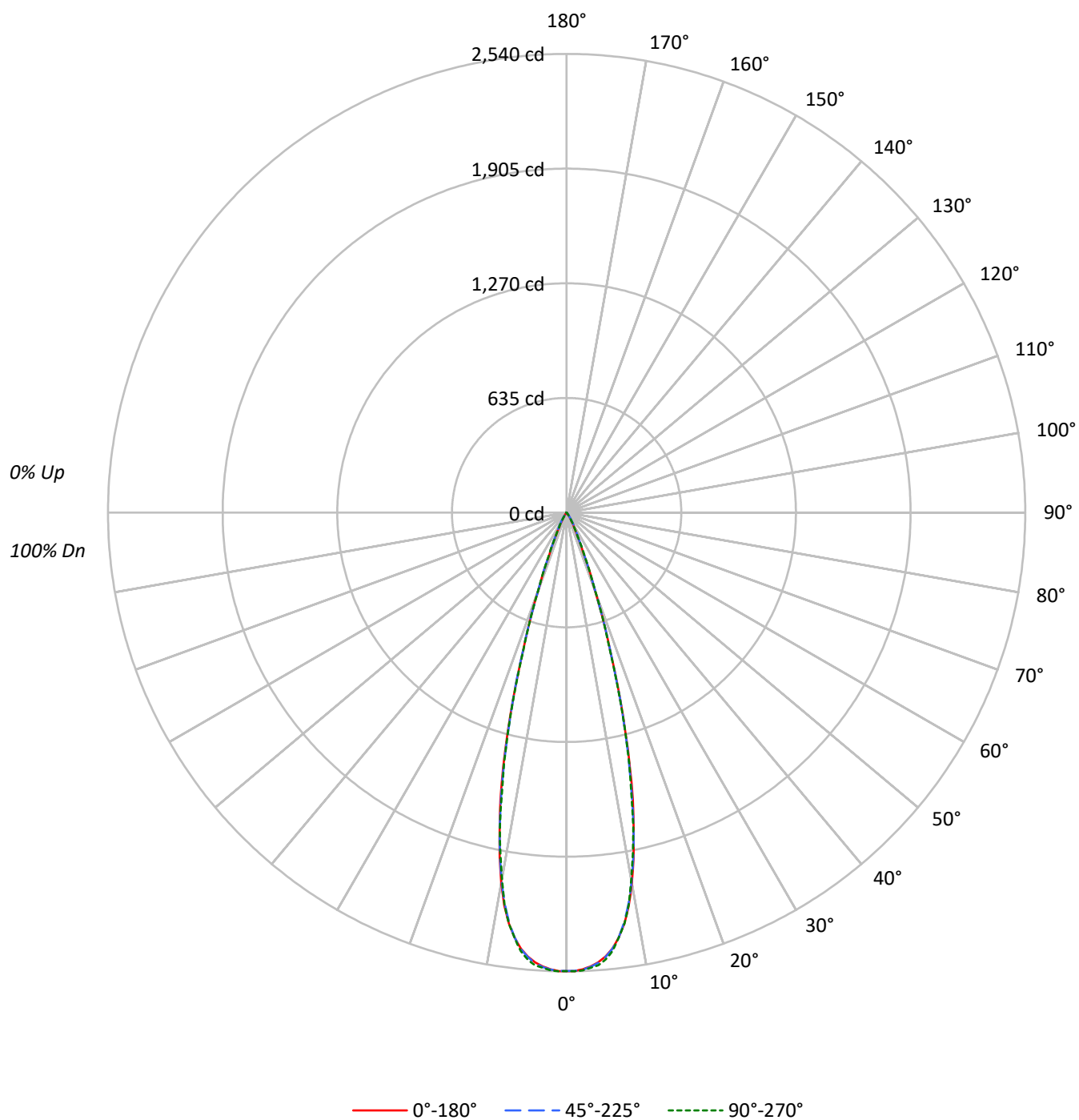
Lumens per Lamp: N/A  
Luminaire Lumens: 655.0 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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°  | 437170 | 437170 | 437170 |
| 5°  | 426513 | 427049 | 429418 |
| 10° | 364274 | 362578 | 360444 |
| 15° | 224798 | 222159 | 222979 |
| 20° | 84967  | 85425  | 85333  |
| 25° | 26129  | 28656  | 27307  |
| 30° | 10540  | 13364  | 10938  |
| 35° | 3112   | 5677   | 3217   |
| 40° | 1259   | 2293   | 1259   |
| 45° | 244    | 755    | 244    |
| 50° | 0      | 134    | 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: 755 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 223.9  | 34.2      |
| 10°-20°   | 331.5  | 50.6      |
| 20°-30°   | 82.2   | 12.6      |
| 30°-40°   | 15.4   | 2.4       |
| 40°-50°   | 1.9    | 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°    | 637.6  | 97.3      |
| 0°-40°    | 653.0  | 99.7      |
| 0°-60°    | 655.0  | 100.0     |
| 0°-90°    | 655.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 655.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2538 | 2538  | 2538 | 2538  | 2538 |      |
| 5°  | 2467 | 2466  | 2470 | 2474  | 2484 | 224  |
| 15° | 1261 | 1249  | 1246 | 1256  | 1251 | 333  |
| 25° | 138  | 147   | 151  | 150   | 144  | 79   |
| 35° | 15   | 19    | 27   | 20    | 15   | 12   |
| 45° | 1    | 2     | 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°    | 2538.4 | 2538.4 | 2538.4 | 2538.4 | 2538.4 |
| 1°    | 2539.5 | 2537.4 | 2537.4 | 2534.4 | 2540.0 |
| 2°    | 2530.3 | 2528.2 | 2531.8 | 2529.3 | 2536.4 |
| 3°    | 2516.5 | 2514.0 | 2519.1 | 2520.6 | 2524.2 |
| 4°    | 2496.2 | 2494.1 | 2499.7 | 2502.8 | 2512.5 |
| 5°    | 2467.1 | 2466.1 | 2470.2 | 2474.2 | 2483.9 |
| 6°    | 2427.4 | 2425.9 | 2428.4 | 2433.5 | 2439.6 |
| 7°    | 2369.8 | 2366.8 | 2368.8 | 2369.8 | 2371.3 |
| 8°    | 2297.0 | 2292.4 | 2289.8 | 2295.4 | 2298.5 |
| 9°    | 2203.2 | 2198.1 | 2192.5 | 2190.5 | 2197.6 |
| 10°   | 2083.0 | 2075.4 | 2073.3 | 2068.2 | 2061.1 |
| 11°   | 1943.4 | 1937.3 | 1935.8 | 1926.6 | 1922.5 |
| 12°   | 1783.5 | 1780.4 | 1784.0 | 1778.4 | 1776.3 |
| 13°   | 1630.1 | 1610.8 | 1608.2 | 1597.5 | 1591.9 |
| 14°   | 1448.8 | 1431.0 | 1430.4 | 1424.8 | 1432.5 |
| 15°   | 1260.8 | 1248.6 | 1246.0 | 1255.7 | 1250.6 |
| 17.5° | 803.9  | 812.0  | 810.0  | 804.9  | 796.2  |
| 20°   | 463.6  | 458.0  | 466.1  | 468.2  | 465.6  |
| 22.5° | 247.1  | 249.1  | 250.6  | 256.7  | 260.8  |
| 25°   | 137.5  | 146.7  | 150.8  | 150.3  | 143.7  |
| 27.5° | 85.6   | 91.2   | 98.8   | 93.7   | 88.1   |
| 30°   | 53.0   | 57.6   | 67.2   | 58.1   | 55.0   |
| 32.5° | 28.5   | 36.2   | 43.3   | 36.2   | 29.5   |
| 35°   | 14.8   | 19.4   | 27.0   | 19.9   | 15.3   |
| 37.5° | 9.7    | 11.2   | 17.3   | 11.2   | 9.7    |
| 40°   | 5.6    | 7.1    | 10.2   | 7.1    | 5.6    |
| 42.5° | 2.5    | 4.1    | 5.6    | 4.1    | 2.5    |
| 45°   | 1.0    | 1.5    | 3.1    | 2.0    | 1.0    |
| 47.5° | 0.0    | 0.5    | 1.5    | 0.5    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.5    | 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)