

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: P1316814

Luminaire Tested: P3SQAS05R259830DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316814  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R259830DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

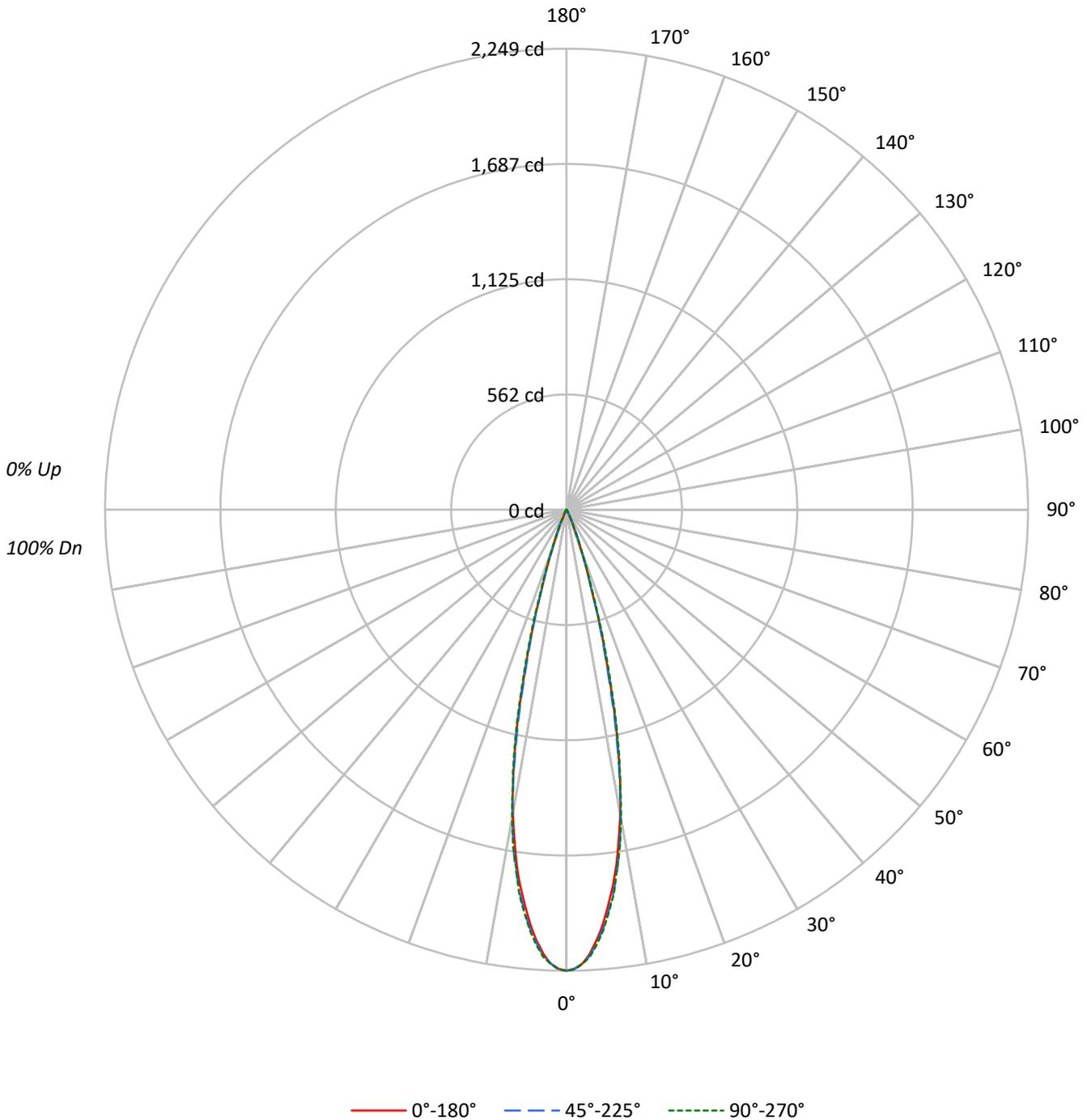
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 415.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
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 (A<sub>in</sub>): 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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 99  | 99  | 99  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 96  | 96  | 96  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 94  | 94  | 94  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 92  | 92  | 92  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 89  | 89  | 89  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 87  | 87  | 87  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 86  | 86  | 86  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 84  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 82  | 82  | 82  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 387277 | 387277 | 387277 |
| 5°  | 350947 | 354146 | 355875 |
| 10° | 263823 | 265712 | 266936 |
| 15° | 130639 | 126734 | 135186 |
| 20° | 36893  | 37498  | 37901  |
| 25° | 6404   | 12086  | 7601   |
| 30° | 2506   | 2585   | 2645   |
| 35° | 778    | 862    | 862    |
| 40° | 247    | 337    | 247    |
| 45° | 170    | 97     | 170    |
| 50° | 107    | 0      | 107    |
| 55° | 120    | 0      | 120    |
| 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: 0°

Vertical Angle: 45°

Luminance: 170 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 178.6  | 43.0      |
| 10°-20°   | 201.5  | 48.5      |
| 20°-30°   | 31.3   | 7.5       |
| 30°-40°   | 3.2    | 0.8       |
| 40°-50°   | 0.4    | 0.1       |
| 50°-60°   | 0.1    | 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       |
| 0°-30°    | 411.3  | 99.1      |
| 0°-40°    | 414.5  | 99.9      |
| 0°-60°    | 415.0  | 100.0     |
| 0°-90°    | 415.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 415.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2249 | 2249  | 2249 | 2249  | 2249 |      |
| 5°  | 2030 | 2034  | 2048 | 2057  | 2058 | 177  |
| 15° | 733  | 728   | 711  | 743   | 758  | 201  |
| 25° | 34   | 50    | 64   | 48    | 40   | 28   |
| 35° | 4    | 4     | 4    | 4     | 4    | 3    |
| 45° | 1    | 0     | 0    | 0     | 1    | 0    |
| 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    | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2248.7 | 2248.7 | 2248.7 | 2248.7 | 2248.7 |
| 1°    | 2239.4 | 2242.4 | 2239.1 | 2242.8 | 2242.4 |
| 2°    | 2216.1 | 2219.1 | 2215.0 | 2217.2 | 2217.2 |
| 3°    | 2168.4 | 2174.7 | 2178.4 | 2181.0 | 2183.2 |
| 4°    | 2105.5 | 2112.5 | 2118.1 | 2124.7 | 2124.7 |
| 5°    | 2030.0 | 2033.7 | 2048.5 | 2056.6 | 2058.5 |
| 6°    | 1940.1 | 1954.9 | 1966.0 | 1982.3 | 1972.3 |
| 7°    | 1850.2 | 1862.4 | 1877.9 | 1880.5 | 1887.5 |
| 8°    | 1748.0 | 1761.0 | 1775.4 | 1772.8 | 1766.9 |
| 9°    | 1623.7 | 1642.6 | 1659.6 | 1654.0 | 1661.4 |
| 10°   | 1508.6 | 1520.1 | 1519.4 | 1513.8 | 1526.4 |
| 11°   | 1375.0 | 1377.6 | 1363.2 | 1385.8 | 1372.1 |
| 12°   | 1216.7 | 1218.9 | 1200.4 | 1222.6 | 1236.6 |
| 13°   | 1065.0 | 1059.8 | 1034.2 | 1063.5 | 1081.2 |
| 14°   | 890.3  | 892.1  | 859.6  | 916.2  | 911.8  |
| 15°   | 732.7  | 727.5  | 710.8  | 742.7  | 758.2  |
| 17.5° | 390.4  | 393.7  | 389.6  | 405.6  | 415.5  |
| 20°   | 201.3  | 206.8  | 204.6  | 211.3  | 206.8  |
| 22.5° | 104.3  | 112.1  | 114.3  | 109.2  | 95.1   |
| 25°   | 33.7   | 50.0   | 63.6   | 48.5   | 40.0   |
| 27.5° | 20.4   | 20.0   | 31.1   | 21.5   | 21.8   |
| 30°   | 12.6   | 12.2   | 13.0   | 13.0   | 13.3   |
| 32.5° | 7.0    | 7.4    | 7.0    | 7.8    | 7.4    |
| 35°   | 3.7    | 4.1    | 4.1    | 4.4    | 4.1    |
| 37.5° | 2.2    | 2.6    | 2.6    | 2.6    | 2.2    |
| 40°   | 1.1    | 1.5    | 1.5    | 1.1    | 1.1    |
| 42.5° | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 45°   | 0.7    | 0.4    | 0.4    | 0.4    | 0.7    |
| 47.5° | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 50°   | 0.4    | 0.4    | 0.0    | 0.4    | 0.4    |
| 52.5° | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 55°   | 0.4    | 0.0    | 0.0    | 0.0    | 0.4    |
| 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)