

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: P1316826

Luminaire Tested: P3SQAS05R309830DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316826  
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: P3SQAS05R309830DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

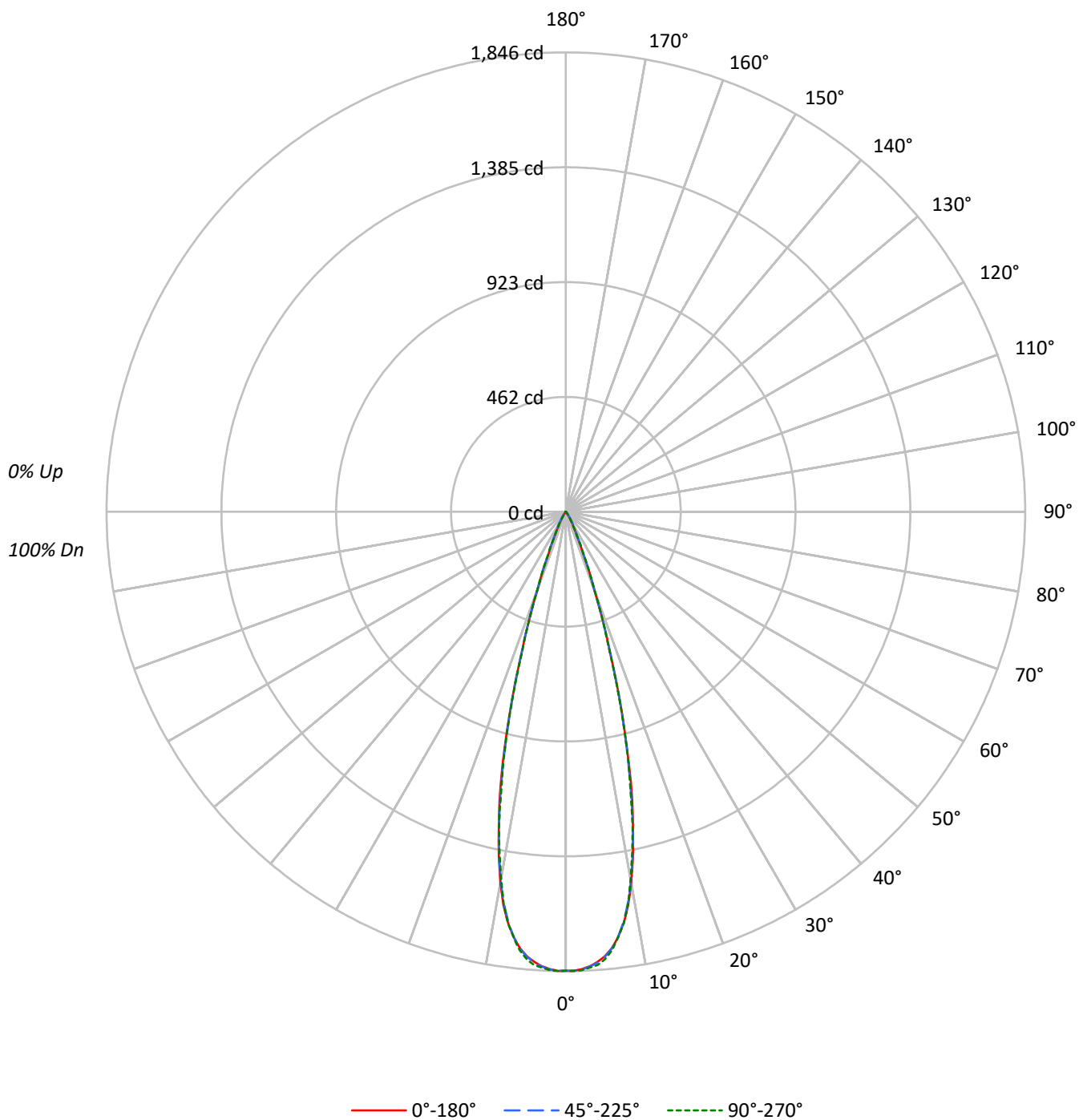
Lumens per Lamp: N/A  
Luminaire Lumens: 476.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 102 | 101 | 100 | 99  | 99  | 97  | 96 | 95 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 93 | 92 |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  | 98  | 95  | 94  | 95  | 94  | 92  | 91  | 90 | 89 |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 87 | 86 |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  | 92  | 90  | 87  | 91  | 89  | 87  | 86  | 85 | 84 |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  | 87  | 85  | 82  | 87  | 84  | 82  | 81  | 80 | 79 |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 78 | 77 |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 76 | 75 |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 80  | 78  | 76  | 75  | 74 | 73 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 317699 | 317699 | 317699 |
| 5°  | 309957 | 310338 | 312067 |
| 10° | 264733 | 263491 | 261934 |
| 15° | 163374 | 161449 | 162037 |
| 20° | 61746  | 62075  | 62020  |
| 25° | 19003  | 20827  | 19839  |
| 30° | 7656   | 9725   | 7955   |
| 35° | 2250   | 4121   | 2334   |
| 40° | 922    | 1664   | 922    |
| 45° | 170    | 536    | 170    |
| 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: 536 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 162.7  | 34.2      |
| 10°-20°   | 240.9  | 50.6      |
| 20°-30°   | 59.7   | 12.6      |
| 30°-40°   | 11.2   | 2.4       |
| 40°-50°   | 1.4    | 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°    | 463.4  | 97.3      |
| 0°-40°    | 474.6  | 99.7      |
| 0°-60°    | 476.0  | 100.0     |
| 0°-90°    | 476.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 476.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1845 | 1845  | 1845 | 1845  | 1845 |      |
| 5°  | 1793 | 1792  | 1795 | 1798  | 1805 | 163  |
| 15° | 916  | 907   | 906  | 913   | 909  | 242  |
| 25° | 100  | 107   | 110  | 109   | 104  | 58   |
| 35° | 11   | 14    | 20   | 14    | 11   | 9    |
| 45° | 1    | 1     | 2    | 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°    | 1844.7 | 1844.7 | 1844.7 | 1844.7 | 1844.7 |
| 1°    | 1845.5 | 1844.0 | 1844.0 | 1841.8 | 1845.8 |
| 2°    | 1838.8 | 1837.3 | 1839.9 | 1838.1 | 1843.2 |
| 3°    | 1828.8 | 1827.0 | 1830.7 | 1831.8 | 1834.4 |
| 4°    | 1814.0 | 1812.5 | 1816.6 | 1818.8 | 1825.8 |
| 5°    | 1792.9 | 1792.2 | 1795.1 | 1798.1 | 1805.1 |
| 6°    | 1764.0 | 1762.9 | 1764.8 | 1768.5 | 1772.9 |
| 7°    | 1722.2 | 1720.0 | 1721.4 | 1722.2 | 1723.3 |
| 8°    | 1669.2 | 1665.9 | 1664.1 | 1668.1 | 1670.4 |
| 9°    | 1601.1 | 1597.4 | 1593.4 | 1591.9 | 1597.1 |
| 10°   | 1513.8 | 1508.2 | 1506.7 | 1503.0 | 1497.8 |
| 11°   | 1412.3 | 1407.9 | 1406.8 | 1400.1 | 1397.1 |
| 12°   | 1296.1 | 1293.9 | 1296.5 | 1292.4 | 1290.9 |
| 13°   | 1184.7 | 1170.6 | 1168.7 | 1161.0 | 1156.9 |
| 14°   | 1052.9 | 1039.9 | 1039.5 | 1035.5 | 1041.0 |
| 15°   | 916.3  | 907.4  | 905.5  | 912.6  | 908.8  |
| 17.5° | 584.2  | 590.1  | 588.6  | 584.9  | 578.6  |
| 20°   | 336.9  | 332.8  | 338.7  | 340.2  | 338.4  |
| 22.5° | 179.5  | 181.0  | 182.1  | 186.6  | 189.5  |
| 25°   | 100.0  | 106.6  | 109.6  | 109.2  | 104.4  |
| 27.5° | 62.2   | 66.3   | 71.8   | 68.1   | 64.0   |
| 30°   | 38.5   | 41.8   | 48.9   | 42.2   | 40.0   |
| 32.5° | 20.7   | 26.3   | 31.5   | 26.3   | 21.5   |
| 35°   | 10.7   | 14.1   | 19.6   | 14.4   | 11.1   |
| 37.5° | 7.0    | 8.1    | 12.6   | 8.1    | 7.0    |
| 40°   | 4.1    | 5.2    | 7.4    | 5.2    | 4.1    |
| 42.5° | 1.9    | 3.0    | 4.1    | 3.0    | 1.9    |
| 45°   | 0.7    | 1.1    | 2.2    | 1.5    | 0.7    |
| 47.5° | 0.0    | 0.4    | 1.1    | 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)