

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: P1305980

Luminaire Tested: P3SQASS13R559024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305980  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS13R559024DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

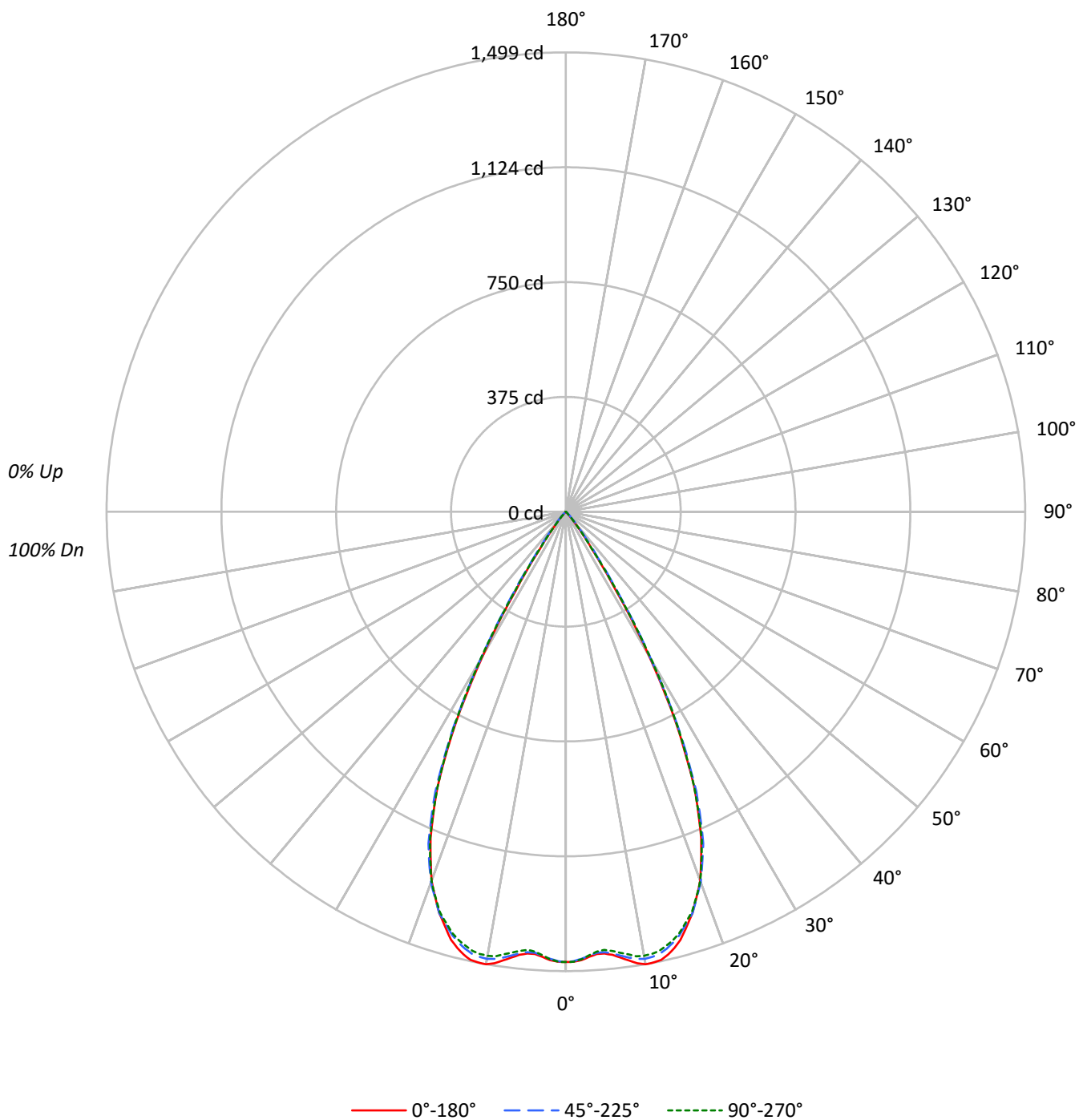
Lumens per Lamp: N/A  
Luminaire Lumens: 1117.0 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 | 100 |
| 1   | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 |  | 102 | 100 | 99  |  | 98  | 97  | 96  | 95  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 94  | 93  | 91  | 89  |
| 3   | 104 | 99  | 94  | 91  | 103 | 97  | 93  | 90  | 95  | 91  | 89  |  | 92  | 90  | 87  |  | 90  | 88  | 86  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  | 83  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 85  | 81  | 78  |  | 84  | 80  | 77  |  | 82  | 79  | 77  | 75  |
| 6   | 91  | 83  | 78  | 74  | 90  | 83  | 78  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  | 75  | 73  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 79  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  | 72  | 69  | 67  |
| 8   | 84  | 75  | 70  | 66  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 65  |  | 72  | 68  | 65  | 64  |
| 9   | 80  | 72  | 66  | 63  | 79  | 71  | 66  | 63  | 70  | 66  | 62  |  | 69  | 65  | 62  |  | 69  | 65  | 62  | 61  |
| 10  | 77  | 68  | 63  | 59  | 76  | 68  | 63  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 66  | 62  | 59  | 58  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 253030 | 253030 | 253030 |
| 5°  | 250141 | 249415 | 248066 |
| 10° | 262197 | 259031 | 257248 |
| 15° | 257837 | 255073 | 254164 |
| 20° | 234849 | 235802 | 235014 |
| 25° | 188411 | 191338 | 188411 |
| 30° | 108143 | 110868 | 111723 |
| 35° | 30843  | 37150  | 31747  |
| 40° | 7914   | 11376  | 8094   |
| 45° | 828    | 3970   | 633    |
| 50° | 0      | 697    | 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: 3970 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 139.5  | 12.5      |
| 10°-20°   | 398.1  | 35.6      |
| 20°-30°   | 438.4  | 39.3      |
| 30°-40°   | 130.9  | 11.7      |
| 40°-50°   | 10.1   | 0.9       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 976.0  | 87.4      |
| 0°-40°    | 1106.9 | 99.1      |
| 0°-60°    | 1117.0 | 100.0     |
| 0°-90°    | 1117.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1117.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1469 | 1469  | 1469 | 1469  | 1469 |      |
| 5°  | 1447 | 1444  | 1443 | 1437  | 1435 | 140  |
| 15° | 1446 | 1436  | 1431 | 1425  | 1426 | 401  |
| 25° | 992  | 992   | 1007 | 1005  | 992  | 434  |
| 35° | 147  | 156   | 177  | 161   | 151  | 121  |
| 45° | 3    | 9     | 16   | 9     | 3    | 7    |
| 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°    | 1469.2 | 1469.2 | 1469.2 | 1469.2 | 1469.2 |
| 1°    | 1468.4 | 1468.4 | 1466.7 | 1465.8 | 1468.4 |
| 2°    | 1464.1 | 1464.1 | 1459.8 | 1458.9 | 1461.5 |
| 3°    | 1454.7 | 1453.8 | 1450.4 | 1447.8 | 1449.5 |
| 4°    | 1446.9 | 1445.2 | 1442.7 | 1438.4 | 1439.2 |
| 5°    | 1446.9 | 1444.4 | 1442.7 | 1436.6 | 1434.9 |
| 6°    | 1453.8 | 1452.1 | 1448.7 | 1442.7 | 1440.9 |
| 7°    | 1465.8 | 1462.4 | 1458.9 | 1451.2 | 1449.5 |
| 8°    | 1478.7 | 1476.1 | 1469.2 | 1461.5 | 1458.1 |
| 9°    | 1491.5 | 1485.5 | 1477.0 | 1469.2 | 1468.4 |
| 10°   | 1499.3 | 1490.7 | 1481.2 | 1471.8 | 1471.0 |
| 11°   | 1498.4 | 1490.7 | 1479.5 | 1471.0 | 1470.1 |
| 12°   | 1495.0 | 1483.8 | 1474.4 | 1464.1 | 1465.0 |
| 13°   | 1483.0 | 1472.7 | 1463.2 | 1455.5 | 1453.8 |
| 14°   | 1466.7 | 1457.2 | 1448.7 | 1440.9 | 1441.8 |
| 15°   | 1446.1 | 1435.8 | 1430.6 | 1424.6 | 1425.5 |
| 17.5° | 1373.2 | 1370.6 | 1373.2 | 1366.3 | 1368.9 |
| 20°   | 1281.4 | 1278.8 | 1286.6 | 1283.1 | 1282.3 |
| 22.5° | 1153.6 | 1157.0 | 1171.6 | 1167.3 | 1159.6 |
| 25°   | 991.5  | 991.5  | 1006.9 | 1005.2 | 991.5  |
| 27.5° | 780.5  | 786.5  | 795.9  | 800.2  | 789.9  |
| 30°   | 543.8  | 557.5  | 557.5  | 566.1  | 561.8  |
| 32.5° | 303.6  | 332.8  | 339.6  | 343.9  | 326.8  |
| 35°   | 146.7  | 156.1  | 176.7  | 161.2  | 151.0  |
| 37.5° | 70.3   | 74.6   | 95.2   | 77.2   | 72.0   |
| 40°   | 35.2   | 40.3   | 50.6   | 42.0   | 36.0   |
| 42.5° | 14.6   | 21.4   | 26.6   | 21.4   | 14.6   |
| 45°   | 3.4    | 8.6    | 16.3   | 8.6    | 2.6    |
| 47.5° | 0.0    | 0.9    | 7.7    | 1.7    | 0.0    |
| 50°   | 0.0    | 0.0    | 2.6    | 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)