

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: P1305611

Luminaire Tested: P3SQAS05R359024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R359024DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

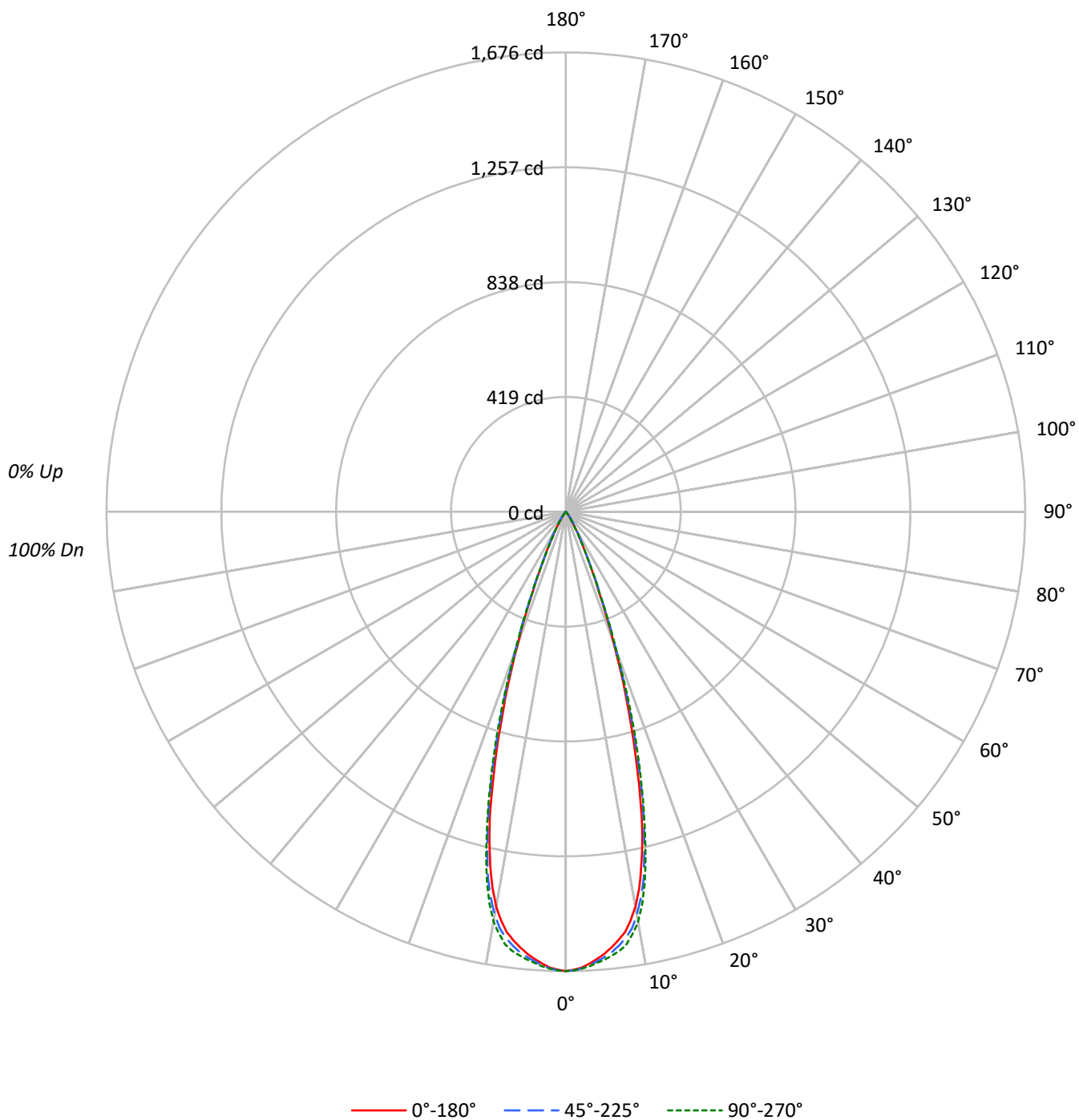
Lumens per Lamp: N/A  
Luminaire Lumens: 558.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 96  | 95 | 94 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  | 93  | 92 | 91 |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 96  | 94  | 92  | 94  | 92  | 91  | 89  | 88 | 87 |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 88  | 92  | 89  | 87  | 86  | 85 | 84 |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 84  | 82  | 80  | 79 | 78 |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 77  | 76 | 75 |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 81  | 79  | 76  | 74  | 73 | 72 |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  | 80  | 77  | 74  | 79  | 76  | 74  | 71  | 70 | 69 |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 77  | 74  | 72  | 69  | 67 | 65 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 288628 | 288628 | 288628 |
| 5°  | 279876 | 281864 | 283386 |
| 10° | 255744 | 261165 | 265642 |
| 15° | 183914 | 191956 | 193542 |
| 20° | 93635  | 98327  | 98584  |
| 25° | 35516  | 36276  | 35269  |
| 30° | 13801  | 15989  | 13443  |
| 35° | 4731   | 7443   | 4457   |
| 40° | 1596   | 2878   | 1484   |
| 45° | 97     | 974    | 97     |
| 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: 974 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 151.7  | 27.2      |
| 10°-20°   | 282.6  | 50.7      |
| 20°-30°   | 101.6  | 18.2      |
| 30°-40°   | 19.8   | 3.6       |
| 40°-50°   | 2.2    | 0.4       |
| 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°    | 535.9  | 96.0      |
| 0°-40°    | 555.8  | 99.6      |
| 0°-60°    | 558.0  | 100.0     |
| 0°-90°    | 558.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 558.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1676 | 1676  | 1676 | 1676  | 1676 |      |
| 5°  | 1619 | 1623  | 1630 | 1638  | 1639 | 150  |
| 15° | 1032 | 1049  | 1077 | 1084  | 1086 | 274  |
| 25° | 187  | 189   | 191  | 190   | 186  | 98   |
| 35° | 22   | 26    | 35   | 26    | 21   | 17   |
| 45° | 0    | 1     | 4    | 1     | 0    | 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°    | 1675.9 | 1675.9 | 1675.9 | 1675.9 | 1675.9 |
| 1°    | 1671.1 | 1673.3 | 1673.7 | 1676.8 | 1673.3 |
| 2°    | 1664.0 | 1665.3 | 1667.1 | 1669.7 | 1668.0 |
| 3°    | 1650.3 | 1652.9 | 1656.9 | 1660.4 | 1660.4 |
| 4°    | 1635.7 | 1639.2 | 1644.1 | 1650.3 | 1649.8 |
| 5°    | 1618.9 | 1623.3 | 1630.4 | 1637.9 | 1639.2 |
| 6°    | 1597.7 | 1603.0 | 1614.5 | 1625.1 | 1626.9 |
| 7°    | 1575.1 | 1583.1 | 1594.2 | 1609.6 | 1613.6 |
| 8°    | 1548.6 | 1554.8 | 1570.7 | 1588.8 | 1593.3 |
| 9°    | 1509.7 | 1519.0 | 1539.3 | 1556.1 | 1558.8 |
| 10°   | 1462.4 | 1469.1 | 1493.4 | 1511.1 | 1519.0 |
| 11°   | 1401.5 | 1411.2 | 1435.0 | 1453.2 | 1458.5 |
| 12°   | 1323.7 | 1337.8 | 1365.7 | 1378.9 | 1383.3 |
| 13°   | 1239.7 | 1251.6 | 1273.3 | 1289.6 | 1293.2 |
| 14°   | 1145.1 | 1156.6 | 1179.2 | 1192.4 | 1189.3 |
| 15°   | 1031.5 | 1048.8 | 1076.6 | 1084.1 | 1085.5 |
| 17.5° | 761.9  | 773.0  | 797.7  | 809.7  | 818.1  |
| 20°   | 510.9  | 521.5  | 536.5  | 544.5  | 537.9  |
| 22.5° | 310.7  | 319.5  | 327.5  | 327.1  | 324.8  |
| 25°   | 186.9  | 188.7  | 190.9  | 189.6  | 185.6  |
| 27.5° | 109.2  | 114.0  | 120.7  | 116.2  | 109.6  |
| 30°   | 69.4   | 73.4   | 80.4   | 72.9   | 67.6   |
| 32.5° | 36.7   | 46.4   | 53.9   | 43.8   | 38.5   |
| 35°   | 22.5   | 25.6   | 35.4   | 26.1   | 21.2   |
| 37.5° | 13.7   | 15.9   | 22.1   | 15.5   | 12.4   |
| 40°   | 7.1    | 10.2   | 12.8   | 9.3    | 6.6    |
| 42.5° | 2.2    | 4.9    | 7.1    | 4.4    | 2.2    |
| 45°   | 0.4    | 1.3    | 4.0    | 1.3    | 0.4    |
| 47.5° | 0.0    | 0.0    | 1.8    | 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)