

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: P1305628

Luminaire Tested: P3SQASS05R409024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS05R409024DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

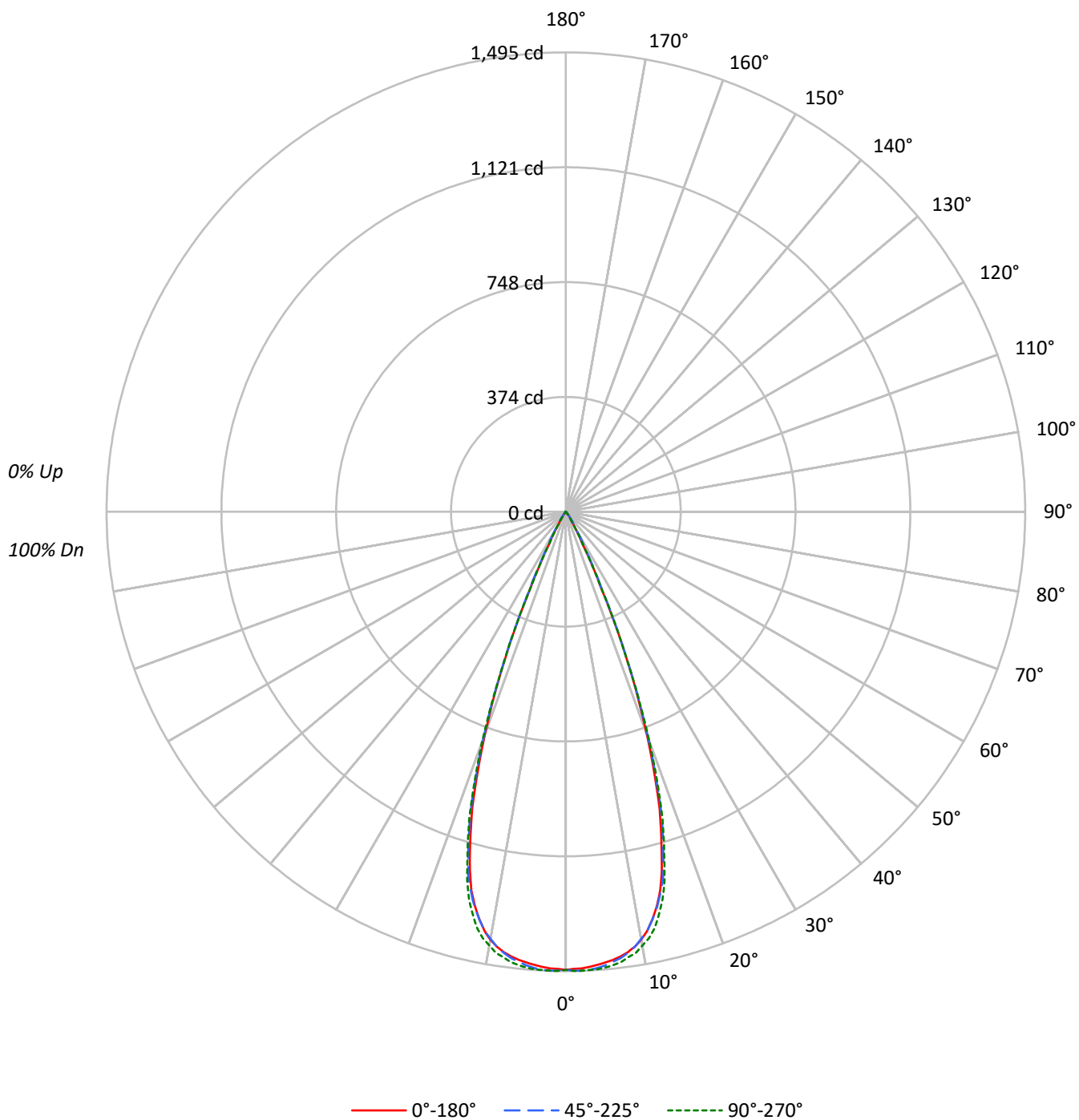
Lumens per Lamp: N/A  
Luminaire Lumens: 627.0 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  |
| 4   | 103 | 97  | 93  | 90  | 102 | 96  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 5   | 100 | 93  | 89  | 86  | 98  | 93  | 88  | 85  | 91  | 87  | 85  |  | 89  | 86  | 84  |  | 88  |
| 6   | 96  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 7   | 93  | 86  | 82  | 79  | 92  | 86  | 81  | 78  | 85  | 81  | 78  |  | 83  | 80  | 78  |  | 82  |
| 8   | 90  | 83  | 79  | 76  | 89  | 83  | 78  | 75  | 82  | 78  | 75  |  | 81  | 77  | 75  |  | 80  |
| 9   | 87  | 80  | 76  | 73  | 86  | 80  | 75  | 73  | 79  | 75  | 72  |  | 78  | 75  | 72  |  | 77  |
| 10  | 85  | 77  | 73  | 70  | 84  | 77  | 73  | 70  | 76  | 72  | 70  |  | 76  | 72  | 70  |  | 75  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 256784 | 256784 | 256784 |
| 5°  | 254567 | 256174 | 257384 |
| 10° | 247315 | 246842 | 250707 |
| 15° | 215152 | 218611 | 221286 |
| 20° | 141214 | 143963 | 145814 |
| 25° | 50338  | 53283  | 50091  |
| 30° | 10977  | 14835  | 11057  |
| 35° | 3532   | 6118   | 3427   |
| 40° | 1102   | 1888   | 989    |
| 45° | 97     | 633    | 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: 633 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 139.4  | 22.2      |
| 10°-20°   | 324.7  | 51.8      |
| 20°-30°   | 145.6  | 23.2      |
| 30°-40°   | 15.7   | 2.5       |
| 40°-50°   | 1.5    | 0.2       |
| 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°    | 609.8  | 97.3      |
| 0°-40°    | 625.5  | 99.8      |
| 0°-60°    | 627.0  | 100.0     |
| 0°-90°    | 627.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 627.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1491 | 1491  | 1491 | 1491  | 1491 |      |
| 5°  | 1472 | 1476  | 1482 | 1484  | 1489 | 139  |
| 15° | 1207 | 1216  | 1226 | 1233  | 1241 | 321  |
| 25° | 265  | 273   | 280  | 285   | 264  | 141  |
| 35° | 17   | 19    | 29   | 19    | 16   | 13   |
| 45° | 0    | 1     | 3    | 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°    | 1491.0 | 1491.0 | 1491.0 | 1491.0 | 1491.0 |
| 1°    | 1487.9 | 1491.0 | 1493.7 | 1491.5 | 1494.6 |
| 2°    | 1486.6 | 1490.1 | 1494.1 | 1491.9 | 1494.6 |
| 3°    | 1483.1 | 1487.5 | 1491.9 | 1490.6 | 1493.2 |
| 4°    | 1478.2 | 1481.8 | 1488.4 | 1488.4 | 1492.3 |
| 5°    | 1472.5 | 1476.5 | 1481.8 | 1484.0 | 1488.8 |
| 6°    | 1466.3 | 1468.5 | 1472.5 | 1476.9 | 1483.5 |
| 7°    | 1458.4 | 1458.4 | 1463.2 | 1467.6 | 1476.5 |
| 8°    | 1447.3 | 1446.4 | 1450.0 | 1455.7 | 1463.6 |
| 9°    | 1433.6 | 1430.5 | 1433.2 | 1441.6 | 1453.5 |
| 10°   | 1414.2 | 1411.5 | 1411.5 | 1422.1 | 1433.6 |
| 11°   | 1389.0 | 1388.1 | 1388.6 | 1398.7 | 1414.2 |
| 12°   | 1355.0 | 1355.9 | 1355.9 | 1367.4 | 1386.4 |
| 13°   | 1316.6 | 1316.2 | 1320.2 | 1333.0 | 1345.8 |
| 14°   | 1269.8 | 1272.5 | 1276.4 | 1287.9 | 1301.2 |
| 15°   | 1206.7 | 1215.5 | 1226.1 | 1233.2 | 1241.1 |
| 17.5° | 1014.6 | 1023.5 | 1038.0 | 1043.8 | 1045.5 |
| 20°   | 770.5  | 783.3  | 785.5  | 796.9  | 795.6  |
| 22.5° | 516.6  | 515.7  | 517.5  | 518.8  | 519.2  |
| 25°   | 264.9  | 272.9  | 280.4  | 285.2  | 263.6  |
| 27.5° | 115.2  | 128.9  | 138.6  | 125.8  | 116.6  |
| 30°   | 55.2   | 62.7   | 74.6   | 63.1   | 55.6   |
| 32.5° | 30.0   | 34.9   | 47.2   | 34.4   | 29.6   |
| 35°   | 16.8   | 19.4   | 29.1   | 19.0   | 16.3   |
| 37.5° | 9.7    | 10.6   | 15.9   | 10.6   | 9.3    |
| 40°   | 4.9    | 6.2    | 8.4    | 6.2    | 4.4    |
| 42.5° | 1.8    | 3.1    | 4.4    | 3.1    | 1.8    |
| 45°   | 0.4    | 0.9    | 2.6    | 0.9    | 0.4    |
| 47.5° | 0.0    | 0.0    | 1.3    | 0.0    | 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)