

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: P1305395

Luminaire Tested: P3SQASS02R209024DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305395  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS02R209024DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

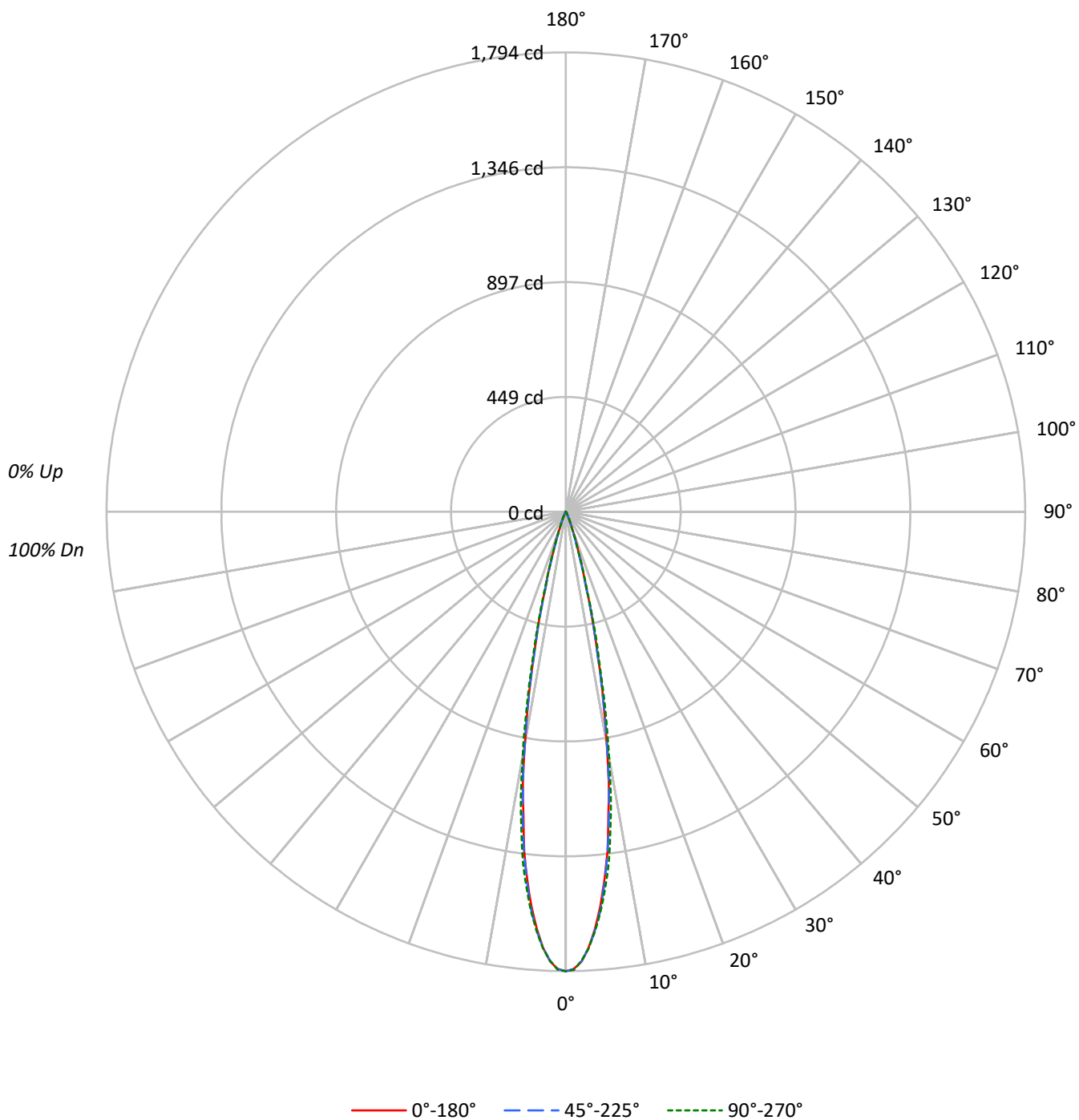
Lumens per Lamp: N/A  
Luminaire Lumens: 241.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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  |
| 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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 102 |  | 101 |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 89  |  | 92  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 91  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  |  | 90  | 87  | 86  |  | 89  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 309019 | 309019 | 309019 |
| 5°  | 266962 | 269452 | 270454 |
| 10° | 160714 | 162201 | 170280 |
| 15° | 55593  | 54292  | 58607  |
| 20° | 14607  | 13727  | 13764  |
| 25° | 3173   | 3839   | 4371   |
| 30° | 1372   | 1372   | 1412   |
| 35° | 778    | 673    | 715    |
| 40° | 337    | 382    | 427    |
| 45° | 97     | 146    | 146    |
| 50° | 54     | 54     | 54     |
| 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: 22.5°

Vertical Angle: 45°

Luminance: 146 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 128.3  | 53.3      |
| 10°-20°   | 97.7   | 40.5      |
| 20°-30°   | 12.1   | 5.0       |
| 30°-40°   | 2.3    | 0.9       |
| 40°-50°   | 0.5    | 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       |
| 0°-30°    | 238.1  | 98.8      |
| 0°-40°    | 240.4  | 99.8      |
| 0°-60°    | 241.0  | 100.0     |
| 0°-90°    | 241.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 241.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1794 | 1794  | 1794 | 1794  | 1794 |      |
| 5°  | 1544 | 1543  | 1559 | 1558  | 1564 | 127  |
| 15° | 312  | 301   | 304  | 323   | 329  | 98   |
| 25° | 17   | 19    | 20   | 21    | 23   | 12   |
| 35° | 4    | 4     | 3    | 3     | 3    | 2    |
| 45° | 0    | 1     | 1    | 1     | 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1794.3 | 1794.3 | 1794.3 | 1794.3 | 1794.3 |
| 1°    | 1785.9 | 1783.8 | 1785.5 | 1781.9 | 1789.4 |
| 2°    | 1757.4 | 1755.2 | 1755.2 | 1753.1 | 1754.2 |
| 3°    | 1704.1 | 1707.6 | 1705.4 | 1700.9 | 1706.7 |
| 4°    | 1631.6 | 1635.4 | 1638.9 | 1639.1 | 1639.9 |
| 5°    | 1544.2 | 1543.1 | 1558.6 | 1557.5 | 1564.4 |
| 6°    | 1444.6 | 1443.3 | 1449.9 | 1461.1 | 1474.8 |
| 7°    | 1335.1 | 1319.4 | 1337.2 | 1359.7 | 1378.2 |
| 8°    | 1193.3 | 1197.4 | 1209.7 | 1236.3 | 1251.1 |
| 9°    | 1073.1 | 1049.3 | 1075.3 | 1107.0 | 1123.1 |
| 10°   | 919.0  | 899.6  | 927.5  | 961.0  | 973.7  |
| 12.5° | 578.4  | 561.7  | 570.7  | 605.9  | 611.5  |
| 15°   | 311.8  | 300.6  | 304.5  | 322.7  | 328.7  |
| 17.5° | 159.1  | 149.0  | 146.9  | 158.5  | 159.7  |
| 20°   | 79.7   | 77.3   | 74.9   | 76.0   | 75.1   |
| 22.5° | 36.9   | 40.2   | 39.7   | 37.6   | 40.2   |
| 25°   | 16.7   | 19.1   | 20.2   | 21.0   | 23.0   |
| 27.5° | 10.3   | 9.9    | 11.4   | 12.2   | 12.5   |
| 30°   | 6.9    | 6.7    | 6.9    | 7.1    | 7.1    |
| 32.5° | 4.9    | 4.7    | 4.5    | 4.5    | 4.7    |
| 35°   | 3.7    | 3.7    | 3.2    | 3.4    | 3.4    |
| 37.5° | 2.6    | 2.6    | 2.4    | 2.6    | 2.6    |
| 40°   | 1.5    | 1.7    | 1.7    | 1.7    | 1.9    |
| 42.5° | 0.9    | 1.1    | 1.1    | 1.1    | 1.1    |
| 45°   | 0.4    | 0.6    | 0.6    | 0.6    | 0.6    |
| 47.5° | 0.2    | 0.2    | 0.2    | 0.4    | 0.4    |
| 50°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 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    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)