

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: P1305393

Luminaire Tested: P3SQASS02R209024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS02R209024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

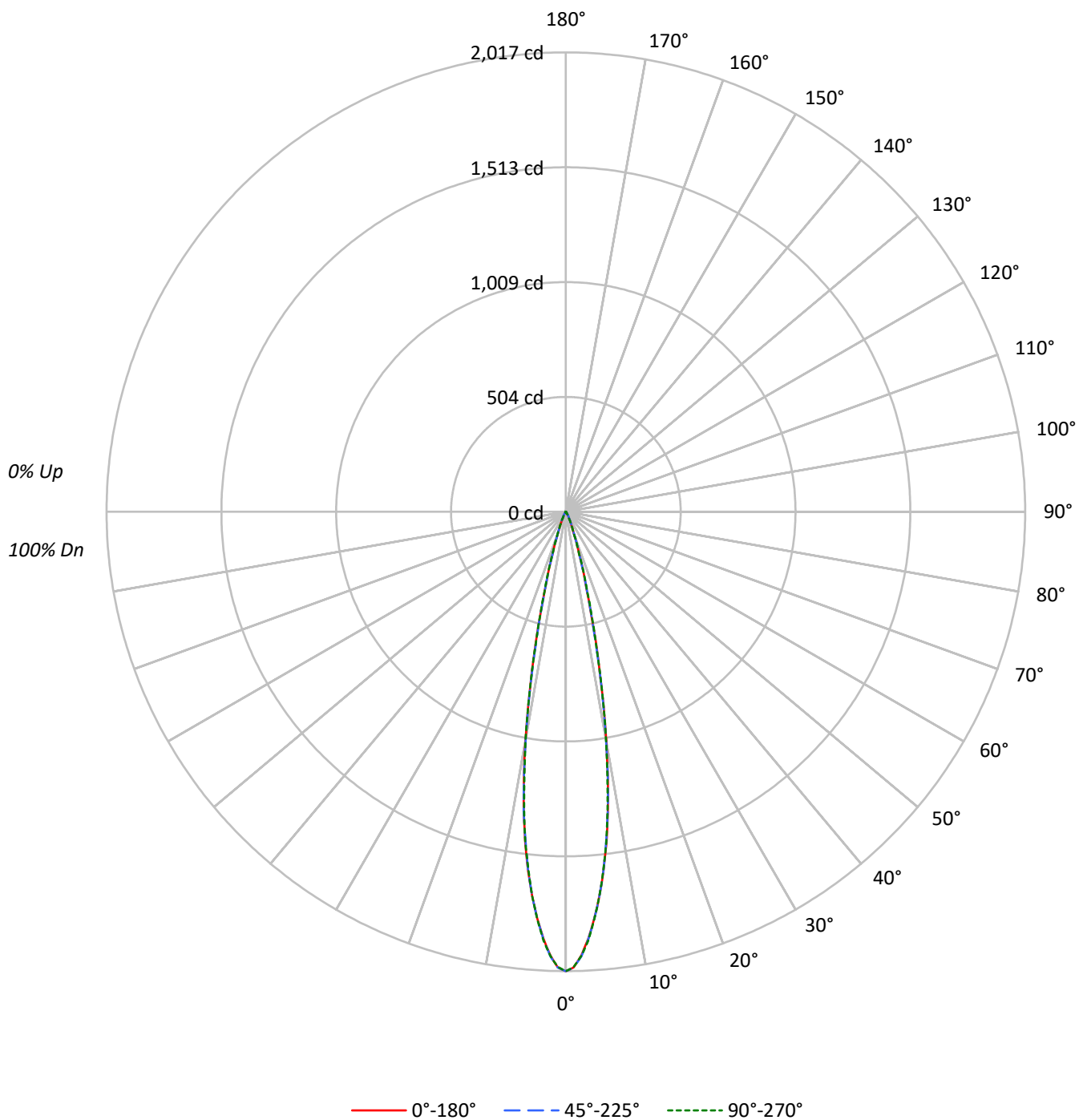
Lumens per Lamp: N/A  
Luminaire Lumens: 277.9 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 110 | 113 | 111 | 110 | 109 | 108 | 106 | 105 |  | 104 | 103 | 102 |  | 101 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 102 | 100 | 99  |  | 99  |
| 3   | 109 | 105 | 102 | 100 | 108 | 104 | 101 | 99  | 102 | 99  | 97  |  | 99  | 97  | 96  |  | 97  |
| 4   | 107 | 102 | 98  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  |  | 97  | 95  | 93  |  | 96  |
| 5   | 104 | 99  | 95  | 93  | 103 | 98  | 95  | 92  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 6   | 102 | 96  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 7   | 100 | 94  | 91  | 88  | 99  | 94  | 90  | 88  | 92  | 90  | 87  |  | 92  | 89  | 87  |  | 91  |
| 8   | 98  | 92  | 88  | 86  | 97  | 91  | 88  | 86  | 91  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 9   | 96  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |
| 10  | 94  | 88  | 85  | 83  | 93  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 347425 | 347425 | 347425 |
| 5°  | 292825 | 292946 | 292790 |
| 10° | 178447 | 177625 | 178027 |
| 15° | 62850  | 63117  | 65079  |
| 20° | 19757  | 20307  | 19867  |
| 25° | 7392   | 8095   | 7601   |
| 30° | 2864   | 4057   | 3003   |
| 35° | 1093   | 1808   | 1177   |
| 40° | 585    | 764    | 585    |
| 45° | 219    | 365    | 268    |
| 50° | 107    | 161    | 107    |
| 55° | 120    | 120    | 120    |
| 60° | 69     | 69     | 69     |
| 65° | 82     | 82     | 82     |
| 70° | 101    | 101    | 101    |
| 75° | 0      | 0      | 133    |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 140.0  | 50.4      |
| 10°-20°   | 109.8  | 39.5      |
| 20°-30°   | 21.6   | 7.8       |
| 30°-40°   | 4.8    | 1.7       |
| 40°-50°   | 1.1    | 0.4       |
| 50°-60°   | 0.3    | 0.1       |
| 60°-70°   | 0.2    | 0.1       |
| 70°-80°   | 0.1    | 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°    | 271.4  | 97.6      |
| 0°-40°    | 276.2  | 99.4      |
| 0°-60°    | 277.7  | 99.9      |
| 0°-90°    | 277.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 277.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2017 | 2017  | 2017 | 2017  | 2017 |      |
| 5°  | 1694 | 1695  | 1694 | 1700  | 1694 | 140  |
| 15° | 352  | 354   | 354  | 362   | 365  | 110  |
| 25° | 39   | 42    | 43   | 42    | 40   | 21   |
| 35° | 5    | 6     | 9    | 6     | 6    | 4    |
| 45° | 1    | 1     | 2    | 1     | 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°    | 2017.3 | 2017.3 | 2017.3 | 2017.3 | 2017.3 |
| 1°    | 2001.0 | 1996.7 | 2001.6 | 1997.8 | 1998.6 |
| 2°    | 1949.1 | 1946.8 | 1953.2 | 1949.1 | 1951.3 |
| 3°    | 1877.1 | 1874.1 | 1878.8 | 1879.0 | 1885.0 |
| 4°    | 1791.1 | 1785.2 | 1792.3 | 1792.6 | 1793.6 |
| 5°    | 1693.8 | 1695.3 | 1694.5 | 1700.3 | 1693.6 |
| 6°    | 1584.6 | 1589.5 | 1583.1 | 1586.3 | 1577.0 |
| 7°    | 1462.4 | 1456.2 | 1452.9 | 1454.0 | 1460.5 |
| 8°    | 1327.5 | 1323.2 | 1328.0 | 1321.3 | 1316.8 |
| 9°    | 1177.6 | 1170.1 | 1175.3 | 1168.8 | 1162.3 |
| 10°   | 1020.4 | 1016.9 | 1015.7 | 1008.3 | 1018.0 |
| 11°   | 862.7  | 852.4  | 857.6  | 853.9  | 864.4  |
| 12°   | 715.2  | 716.0  | 705.9  | 709.2  | 710.4  |
| 13°   | 582.0  | 568.3  | 570.0  | 578.8  | 580.3  |
| 14°   | 451.5  | 453.4  | 454.1  | 460.3  | 463.9  |
| 15°   | 352.5  | 354.0  | 354.0  | 361.8  | 365.0  |
| 17.5° | 189.1  | 189.1  | 193.2  | 194.0  | 194.4  |
| 20°   | 107.8  | 108.4  | 110.8  | 110.6  | 108.4  |
| 22.5° | 64.5   | 65.8   | 67.1   | 65.8   | 64.5   |
| 25°   | 38.9   | 41.5   | 42.6   | 41.9   | 40.0   |
| 27.5° | 23.2   | 26.0   | 29.0   | 26.7   | 23.0   |
| 30°   | 14.4   | 15.9   | 20.4   | 16.3   | 15.1   |
| 32.5° | 8.0    | 10.3   | 14.0   | 10.8   | 8.2    |
| 35°   | 5.2    | 6.2    | 8.6    | 6.2    | 5.6    |
| 37.5° | 3.7    | 4.3    | 5.4    | 4.5    | 3.9    |
| 40°   | 2.6    | 3.0    | 3.4    | 3.2    | 2.6    |
| 42.5° | 1.7    | 2.2    | 2.4    | 2.2    | 1.7    |
| 45°   | 0.9    | 1.3    | 1.5    | 1.3    | 1.1    |
| 47.5° | 0.4    | 0.6    | 1.1    | 0.6    | 0.4    |
| 50°   | 0.4    | 0.4    | 0.6    | 0.4    | 0.4    |
| 52.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 55°   | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| 57.5° | 0.4    | 0.4    | 0.2    | 0.4    | 0.2    |
| 60°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 62.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 65°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 67.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 70°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 72.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.2    |
| 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)