

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: P1306383

Luminaire Tested: P3SQAS02R259027DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306383  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R259027DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

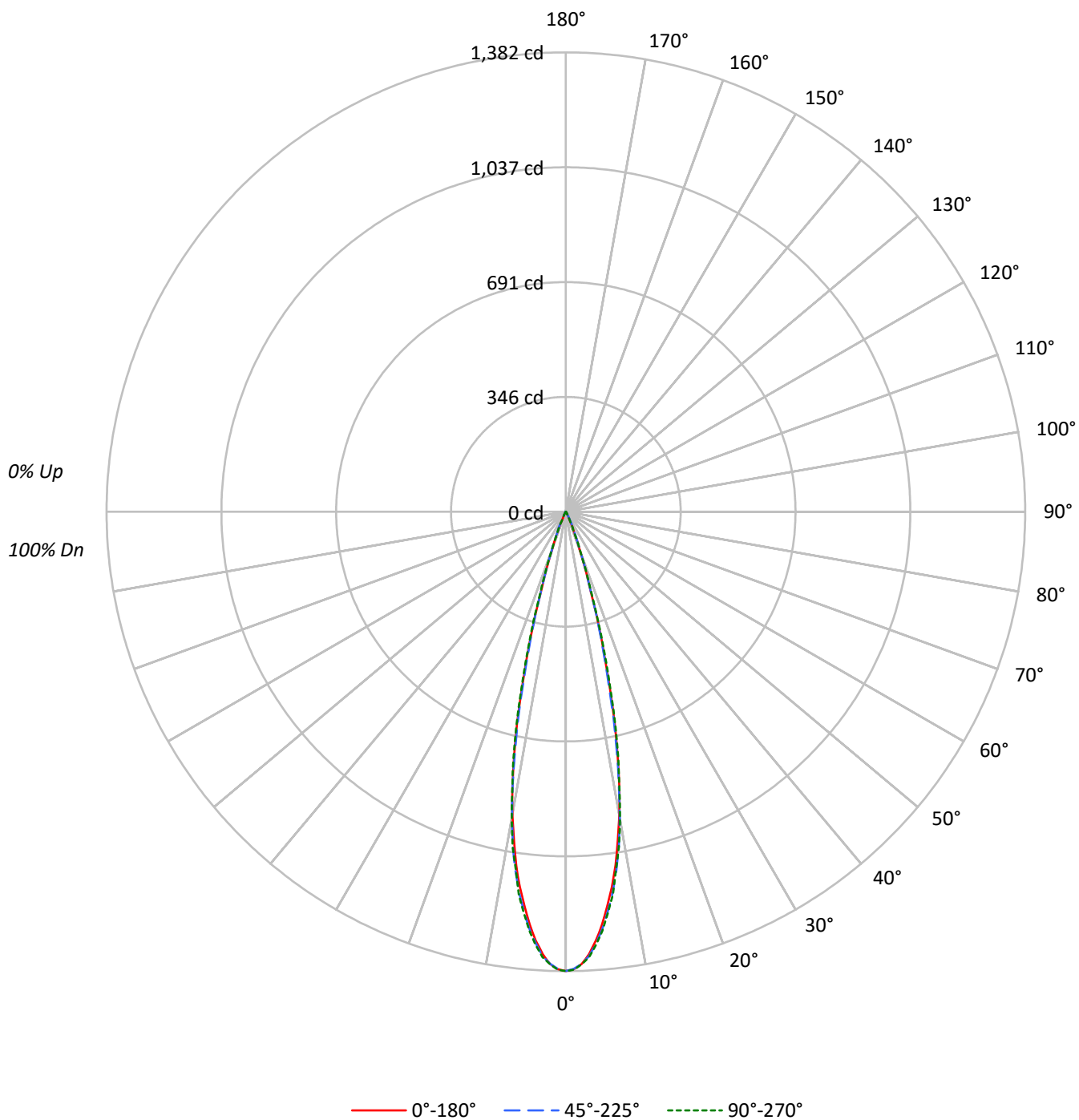
Lumens per Lamp: N/A  
Luminaire Lumens: 255.0 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 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 | 100 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  | 97  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  | 93  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  | 91  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  | 83  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 237960 | 237960 | 237960 |
| 5°  | 215634 | 217605 | 218677 |
| 10° | 162113 | 163267 | 164019 |
| 15° | 80270  | 77881  | 83069  |
| 20° | 22671  | 23038  | 23294  |
| 25° | 3934   | 7430   | 4675   |
| 30° | 1531   | 1591   | 1631   |
| 35° | 484    | 526    | 526    |
| 40° | 157    | 202    | 157    |
| 45° | 122    | 49     | 122    |
| 50° | 54     | 0      | 54     |
| 55° | 60     | 0      | 60     |
| 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: 0°

Vertical Angle: 45°

Luminance: 122 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 109.8  | 43.0      |
| 10°-20°   | 123.8  | 48.5      |
| 20°-30°   | 19.2   | 7.5       |
| 30°-40°   | 1.9    | 0.8       |
| 40°-50°   | 0.3    | 0.1       |
| 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°    | 252.8  | 99.1      |
| 0°-40°    | 254.7  | 99.9      |
| 0°-60°    | 255.0  | 100.0     |
| 0°-90°    | 255.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 255.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1382 | 1382  | 1382 | 1382  | 1382 |      |
| 5°  | 1247 | 1250  | 1259 | 1264  | 1265 | 109  |
| 15° | 450  | 447   | 437  | 456   | 466  | 123  |
| 25° | 21   | 31    | 39   | 30    | 25   | 17   |
| 35° | 2    | 2     | 2    | 3     | 2    | 2    |
| 45° | 0    | 0     | 0    | 0     | 0    | 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°    | 1381.7 | 1381.7 | 1381.7 | 1381.7 | 1381.7 |
| 1°    | 1376.0 | 1377.9 | 1375.8 | 1378.1 | 1377.9 |
| 2°    | 1361.7 | 1363.5 | 1361.0 | 1362.4 | 1362.4 |
| 3°    | 1332.4 | 1336.2 | 1338.5 | 1340.1 | 1341.5 |
| 4°    | 1293.7 | 1298.1 | 1301.5 | 1305.6 | 1305.6 |
| 5°    | 1247.3 | 1249.6 | 1258.7 | 1263.7 | 1264.9 |
| 6°    | 1192.1 | 1201.2 | 1208.0 | 1218.0 | 1211.9 |
| 7°    | 1136.8 | 1144.3 | 1153.9 | 1155.5 | 1159.8 |
| 8°    | 1074.1 | 1082.1 | 1090.9 | 1089.3 | 1085.7 |
| 9°    | 997.7  | 1009.3 | 1019.8 | 1016.3 | 1020.9 |
| 10°   | 927.0  | 934.0  | 933.6  | 930.2  | 937.9  |
| 11°   | 844.9  | 846.5  | 837.6  | 851.5  | 843.1  |
| 12°   | 747.6  | 749.0  | 737.6  | 751.2  | 759.9  |
| 13°   | 654.4  | 651.2  | 635.5  | 653.5  | 664.4  |
| 14°   | 547.1  | 548.2  | 528.2  | 563.0  | 560.2  |
| 15°   | 450.2  | 447.0  | 436.8  | 456.3  | 465.9  |
| 17.5° | 239.9  | 241.9  | 239.4  | 249.2  | 255.3  |
| 20°   | 123.7  | 127.1  | 125.7  | 129.8  | 127.1  |
| 22.5° | 64.1   | 68.9   | 70.3   | 67.1   | 58.4   |
| 25°   | 20.7   | 30.7   | 39.1   | 29.8   | 24.6   |
| 27.5° | 12.5   | 12.3   | 19.1   | 13.2   | 13.4   |
| 30°   | 7.7    | 7.5    | 8.0    | 8.0    | 8.2    |
| 32.5° | 4.3    | 4.5    | 4.3    | 4.8    | 4.5    |
| 35°   | 2.3    | 2.5    | 2.5    | 2.7    | 2.5    |
| 37.5° | 1.4    | 1.6    | 1.6    | 1.6    | 1.4    |
| 40°   | 0.7    | 0.9    | 0.9    | 0.7    | 0.7    |
| 42.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 45°   | 0.5    | 0.2    | 0.2    | 0.2    | 0.5    |
| 47.5° | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 52.5° | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 55°   | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 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)