

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: P1308150

Luminaire Tested: P3SQAS17R259030DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308150  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259030DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

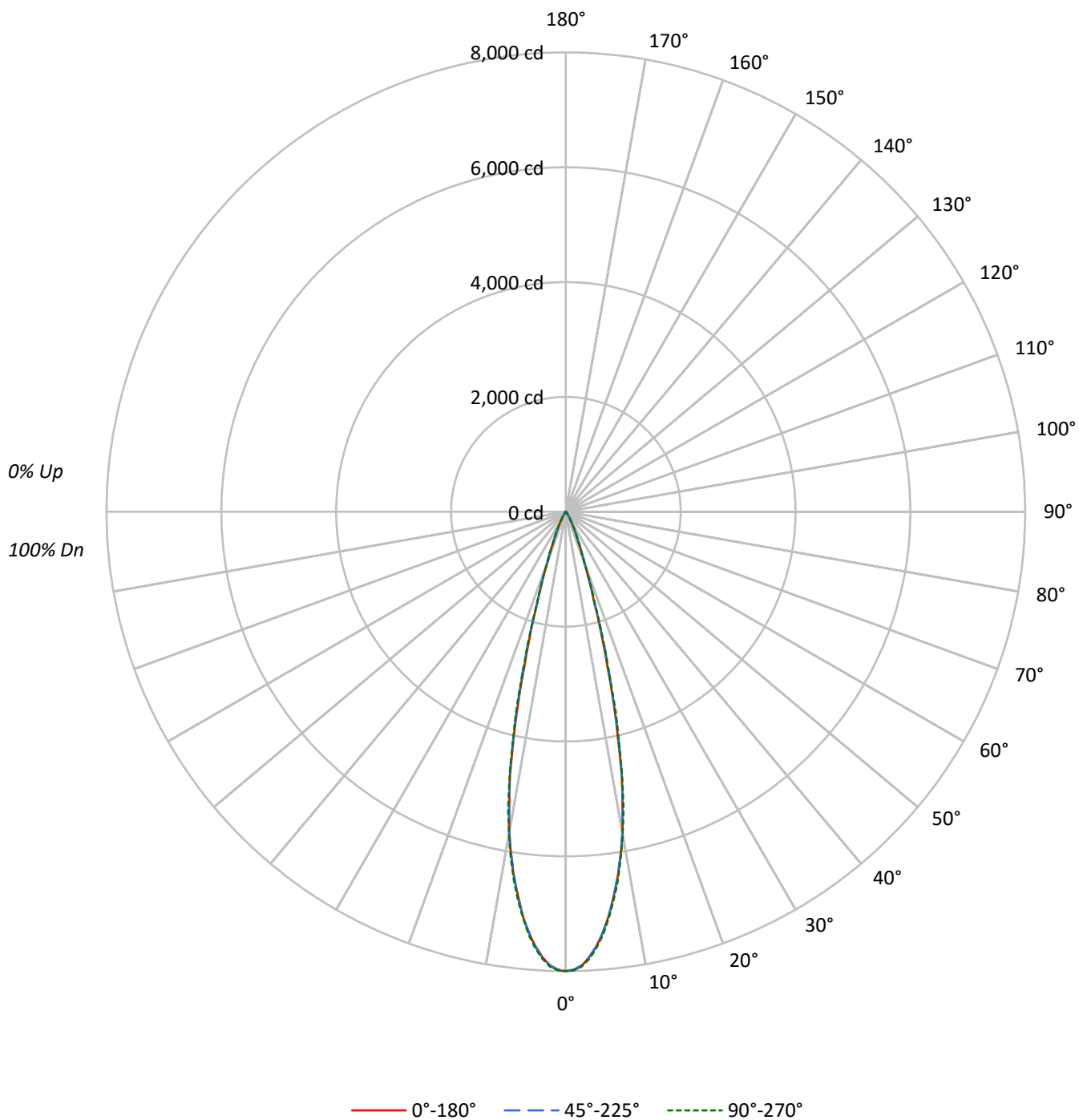
Lumens per Lamp: N/A  
Luminaire Lumens: 1690.1 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 102 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 100 |  | 101 | 99  | 97  |  | 98  |
| 3   | 108 | 104 | 100 | 98  | 107 | 103 | 99  | 97  | 100 | 98  | 95  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 96  | 93  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 92  | 90  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 6   | 100 | 94  | 90  | 87  | 98  | 93  | 89  | 87  | 92  | 88  | 86  |  | 90  | 88  | 86  |  | 89  |
| 7   | 97  | 91  | 87  | 84  | 96  | 90  | 87  | 84  | 89  | 86  | 84  |  | 88  | 85  | 83  |  | 87  |
| 8   | 95  | 88  | 84  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 9   | 92  | 86  | 82  | 80  | 91  | 86  | 82  | 79  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 83  |
| 10  | 90  | 84  | 80  | 78  | 89  | 84  | 80  | 77  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1377747 | 1377747 | 1377747 |
| 5°  | 1272591 | 1272141 | 1279264 |
| 10° | 994067  | 991374  | 998124  |
| 15° | 500090  | 520987  | 520523  |
| 20° | 171124  | 175835  | 173012  |
| 25° | 68771   | 77322   | 71697   |
| 30° | 27921   | 33290   | 27145   |
| 35° | 8115    | 14612   | 8115    |
| 40° | 3755    | 6362    | 3755    |
| 45° | 1267    | 2509    | 1267    |
| 50° | 697     | 1045    | 697     |
| 55° | 781     | 781     | 781     |
| 60° | 896     | 896     | 896     |
| 65° | 530     | 530     | 530     |
| 70° | 655     | 655     | 655     |
| 75° | 865     | 865     | 865     |
| 80° | 0       | 1289    | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2509 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 649.0  | 38.4      |
| 10°-20°   | 794.4  | 47.0      |
| 20°-30°   | 194.1  | 11.5      |
| 30°-40°   | 40.1   | 2.4       |
| 40°-50°   | 7.0    | 0.4       |
| 50°-60°   | 2.4    | 0.1       |
| 60°-70°   | 1.8    | 0.1       |
| 70°-80°   | 1.2    | 0.1       |
| 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°    | 1637.4 | 96.9      |
| 0°-40°    | 1677.5 | 99.3      |
| 0°-60°    | 1686.9 | 99.8      |
| 0°-90°    | 1690.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1690.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8000 | 8000  | 8000 | 8000  | 8000 |      |
| 5°  | 7361 | 7368  | 7358 | 7374  | 7400 | 648  |
| 15° | 2805 | 2852  | 2922 | 2935  | 2919 | 783  |
| 25° | 362  | 379   | 407  | 384   | 377  | 185  |
| 35° | 39   | 54    | 70   | 53    | 39   | 33   |
| 45° | 5    | 8     | 10   | 8     | 5    | 5    |
| 55° | 3    | 3     | 3    | 3     | 3    | 2    |
| 65° | 1    | 3     | 1    | 1     | 1    | 2    |
| 75° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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°    | 7999.8 | 7999.8 | 7999.8 | 7999.8 | 7999.8 |
| 1°    | 7984.3 | 7974.0 | 7971.5 | 7972.8 | 7985.6 |
| 2°    | 7912.2 | 7905.8 | 7904.5 | 7908.4 | 7926.4 |
| 3°    | 7765.4 | 7773.1 | 7775.7 | 7788.6 | 7797.6 |
| 4°    | 7585.1 | 7600.6 | 7594.1 | 7609.6 | 7619.9 |
| 5°    | 7361.1 | 7367.5 | 7358.5 | 7373.9 | 7399.7 |
| 6°    | 7099.6 | 7076.4 | 7098.3 | 7104.8 | 7122.8 |
| 7°    | 6773.8 | 6779.0 | 6786.7 | 6794.4 | 6821.5 |
| 8°    | 6453.2 | 6437.7 | 6433.8 | 6469.9 | 6491.8 |
| 9°    | 6078.4 | 6081.0 | 6066.8 | 6108.0 | 6114.5 |
| 10°   | 5684.3 | 5652.1 | 5668.9 | 5701.1 | 5707.5 |
| 11°   | 5164.1 | 5155.1 | 5179.5 | 5229.7 | 5269.7 |
| 12°   | 4676.0 | 4681.1 | 4706.9 | 4723.6 | 4714.6 |
| 13°   | 4030.8 | 4069.4 | 4101.6 | 4118.4 | 4096.5 |
| 14°   | 3447.4 | 3447.4 | 3488.6 | 3495.1 | 3573.6 |
| 15°   | 2804.8 | 2852.5 | 2922.0 | 2934.9 | 2919.4 |
| 17.5° | 1620.0 | 1626.5 | 1660.0 | 1658.7 | 1683.2 |
| 20°   | 933.7  | 942.7  | 959.4  | 955.5  | 944.0  |
| 22.5° | 561.5  | 580.8  | 620.7  | 588.5  | 579.5  |
| 25°   | 361.9  | 378.6  | 406.9  | 383.8  | 377.3  |
| 27.5° | 226.7  | 238.2  | 260.1  | 239.5  | 229.2  |
| 30°   | 140.4  | 146.8  | 167.4  | 148.1  | 136.5  |
| 32.5° | 76.0   | 92.7   | 109.5  | 92.7   | 76.0   |
| 35°   | 38.6   | 54.1   | 69.5   | 52.8   | 38.6   |
| 37.5° | 25.8   | 30.9   | 45.1   | 29.6   | 25.8   |
| 40°   | 16.7   | 20.6   | 28.3   | 20.6   | 16.7   |
| 42.5° | 9.0    | 12.9   | 15.5   | 14.2   | 9.0    |
| 45°   | 5.2    | 7.7    | 10.3   | 7.7    | 5.2    |
| 47.5° | 3.9    | 3.9    | 6.4    | 3.9    | 2.6    |
| 50°   | 2.6    | 2.6    | 3.9    | 2.6    | 2.6    |
| 52.5° | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 55°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 57.5° | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 60°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 62.5° | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 65°   | 1.3    | 2.6    | 1.3    | 1.3    | 1.3    |
| 67.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 70°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 72.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 75°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 77.5° | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 80°   | 0.0    | 0.0    | 1.3    | 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)