

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: P1317252

Luminaire Tested: P3SQAS17R259830DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317252  
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: P3SQAS17R259830DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

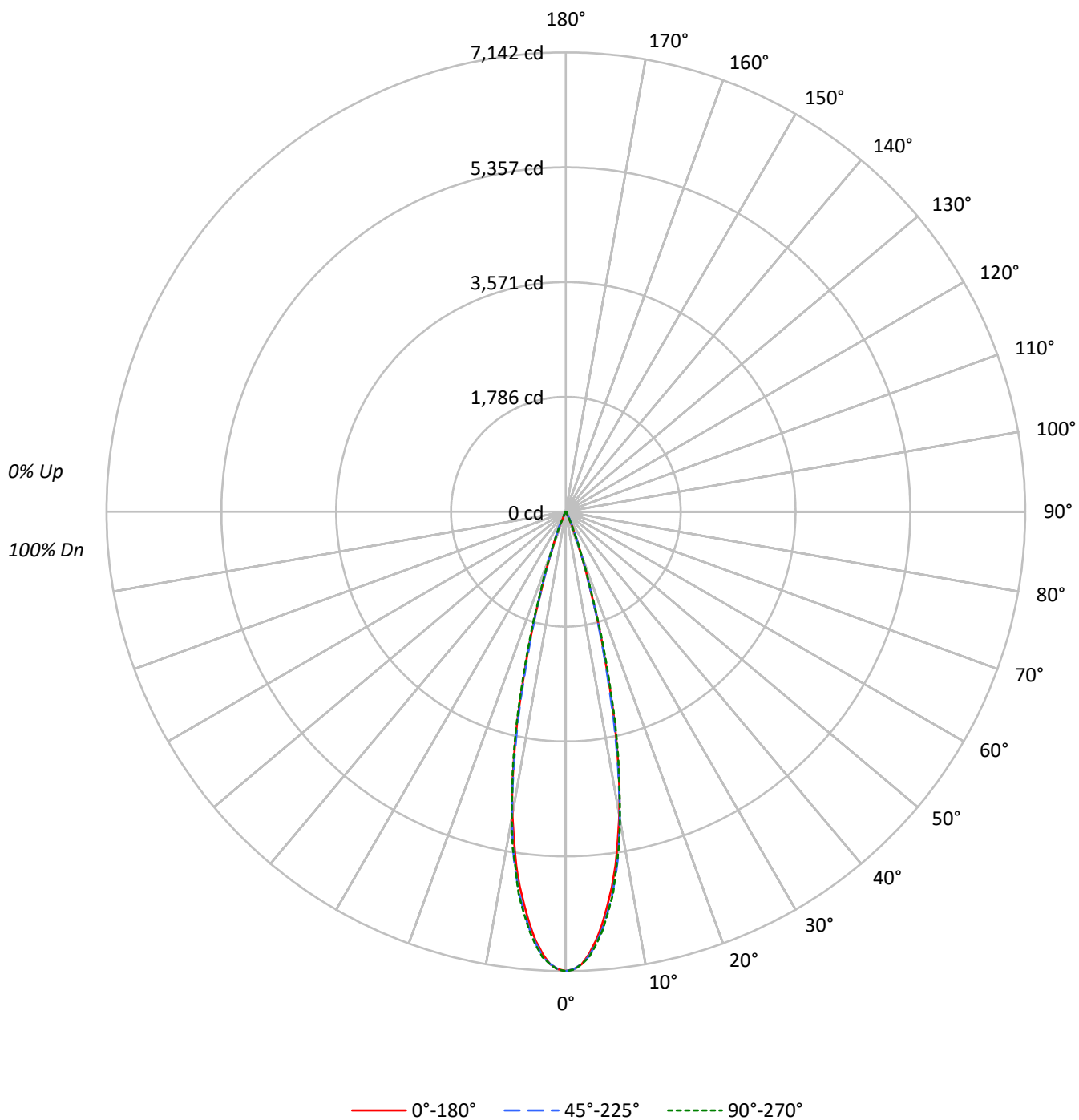
Lumens per Lamp: N/A  
Luminaire Lumens: 1318.0 lumens  
Efficiency: N/A  
Efficacy: 64.6 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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  | 85  | 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°  | 1229945 | 1229945 | 1229945 |
| 5°  | 1114578 | 1124726 | 1130224 |
| 10° | 837882  | 843846  | 847746  |
| 15° | 414882  | 402508  | 429342  |
| 20° | 117168  | 119111  | 120394  |
| 25° | 20314   | 38404   | 24114   |
| 30° | 7955    | 8173    | 8412    |
| 35° | 2481    | 2712    | 2712    |
| 40° | 787     | 1057    | 787     |
| 45° | 585     | 292     | 585     |
| 50° | 322     | 0       | 322     |
| 55° | 360     | 0       | 360     |
| 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: 585 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 567.3  | 43.0      |
| 10°-20°   | 639.8  | 48.5      |
| 20°-30°   | 99.2   | 7.5       |
| 30°-40°   | 10.0   | 0.8       |
| 40°-50°   | 1.4    | 0.1       |
| 50°-60°   | 0.2    | 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°    | 1306.4 | 99.1      |
| 0°-40°    | 1316.4 | 99.9      |
| 0°-60°    | 1318.0 | 100.0     |
| 0°-90°    | 1318.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1318.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7142 | 7142  | 7142 | 7142  | 7142 |      |
| 5°  | 6447 | 6459  | 6506 | 6532  | 6538 | 562  |
| 15° | 2327 | 2310  | 2258 | 2359  | 2408 | 637  |
| 25° | 107  | 159   | 202  | 154   | 127  | 90   |
| 35° | 12   | 13    | 13   | 14    | 13   | 9    |
| 45° | 2    | 1     | 1    | 1     | 2    | 2    |
| 55° | 1    | 0     | 0    | 0     | 1    | 1    |
| 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 7141.6 | 7141.6 | 7141.6 | 7141.6 | 7141.6 |
| 1°    | 7112.2 | 7121.6 | 7111.1 | 7122.8 | 7121.6 |
| 2°    | 7038.2 | 7047.6 | 7034.7 | 7041.7 | 7041.7 |
| 3°    | 6886.6 | 6906.6 | 6918.3 | 6926.6 | 6933.6 |
| 4°    | 6686.8 | 6709.1 | 6726.8 | 6747.9 | 6747.9 |
| 5°    | 6447.1 | 6458.8 | 6505.8 | 6531.7 | 6537.6 |
| 6°    | 6161.5 | 6208.5 | 6243.8 | 6295.5 | 6263.7 |
| 7°    | 5875.9 | 5914.7 | 5964.1 | 5972.3 | 5994.6 |
| 8°    | 5551.6 | 5592.7 | 5638.5 | 5630.3 | 5611.5 |
| 9°    | 5156.7 | 5216.7 | 5270.7 | 5253.1 | 5276.6 |
| 10°   | 4791.2 | 4827.7 | 4825.3 | 4807.7 | 4847.6 |
| 11°   | 4367.0 | 4375.2 | 4329.4 | 4401.1 | 4357.6 |
| 12°   | 3864.0 | 3871.1 | 3812.3 | 3882.8 | 3927.5 |
| 13°   | 3382.2 | 3365.7 | 3284.6 | 3377.5 | 3433.9 |
| 14°   | 2827.5 | 2833.4 | 2730.0 | 2909.8 | 2895.7 |
| 15°   | 2326.9 | 2310.4 | 2257.5 | 2358.6 | 2408.0 |
| 17.5° | 1239.8 | 1250.4 | 1237.5 | 1288.0 | 1319.7 |
| 20°   | 639.3  | 656.9  | 649.9  | 671.0  | 656.9  |
| 22.5° | 331.4  | 356.1  | 363.1  | 346.7  | 302.0  |
| 25°   | 106.9  | 158.7  | 202.1  | 153.9  | 126.9  |
| 27.5° | 64.6   | 63.5   | 98.7   | 68.2   | 69.3   |
| 30°   | 40.0   | 38.8   | 41.1   | 41.1   | 42.3   |
| 32.5° | 22.3   | 23.5   | 22.3   | 24.7   | 23.5   |
| 35°   | 11.8   | 12.9   | 12.9   | 14.1   | 12.9   |
| 37.5° | 7.1    | 8.2    | 8.2    | 8.2    | 7.1    |
| 40°   | 3.5    | 4.7    | 4.7    | 3.5    | 3.5    |
| 42.5° | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 45°   | 2.4    | 1.2    | 1.2    | 1.2    | 2.4    |
| 47.5° | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 50°   | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 52.5° | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 55°   | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 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)