

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: P1317106

Luminaire Tested: P3SQAS13R259830DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317106  
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: P3SQAS13R259830DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

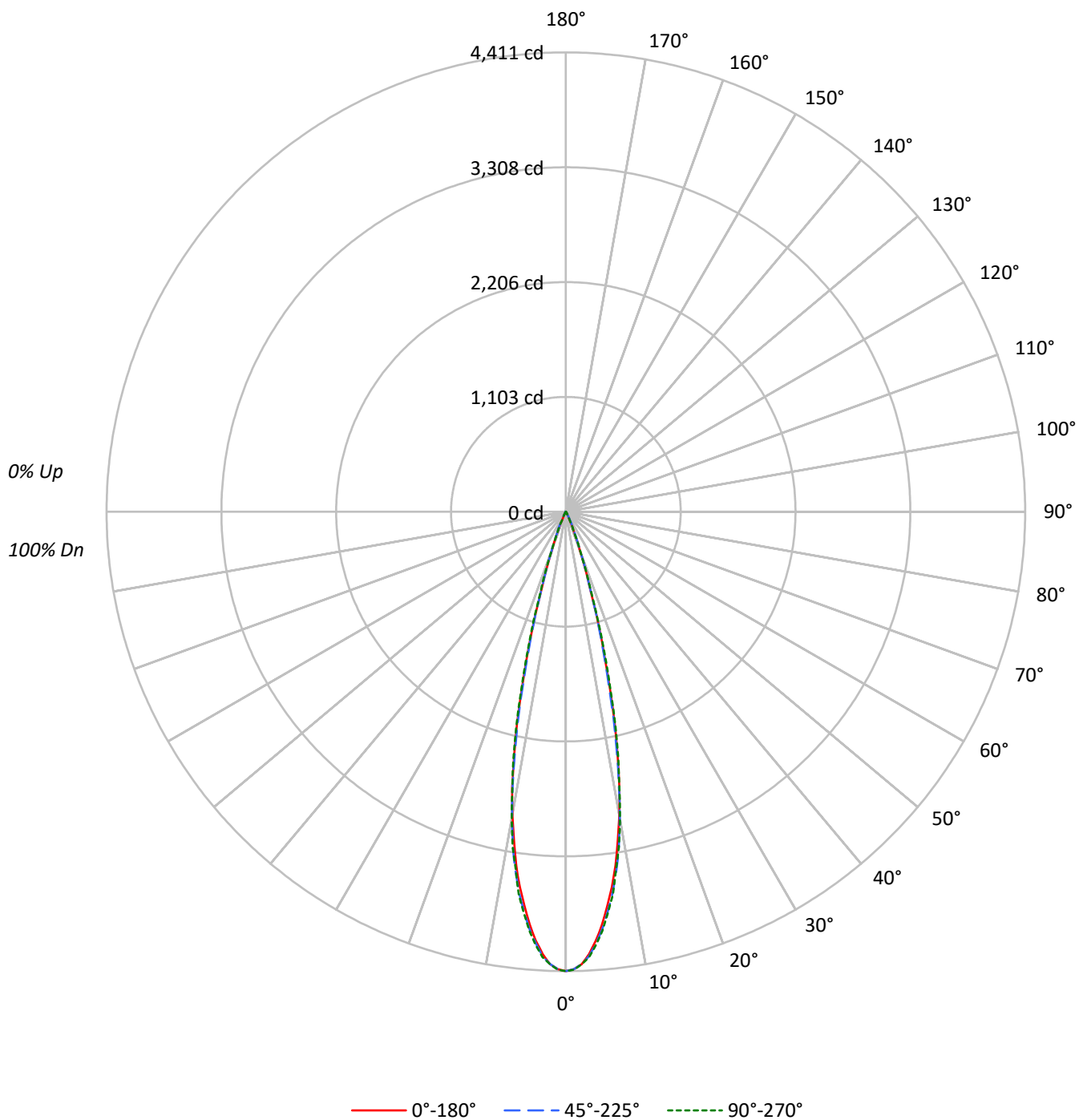
Lumens per Lamp: N/A  
Luminaire Lumens: 814.0 lumens  
Efficiency: N/A  
Efficacy: 56.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 759622 | 759622 | 759622 |
| 5°  | 688358 | 694634 | 698022 |
| 10° | 517486 | 521158 | 523572 |
| 15° | 256232 | 248601 | 265165 |
| 20° | 72357  | 73567  | 74355  |
| 25° | 12542  | 23715  | 14898  |
| 30° | 4912   | 5051   | 5190   |
| 35° | 1535   | 1682   | 1682   |
| 40° | 495    | 652    | 495    |
| 45° | 365    | 170    | 365    |
| 50° | 188    | 0      | 188    |
| 55° | 210    | 0      | 210    |
| 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: 365 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 350.4  | 43.0      |
| 10°-20°   | 395.1  | 48.5      |
| 20°-30°   | 61.3   | 7.5       |
| 30°-40°   | 6.2    | 0.8       |
| 40°-50°   | 0.8    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 806.8  | 99.1      |
| 0°-40°    | 813.0  | 99.9      |
| 0°-60°    | 814.0  | 100.0     |
| 0°-90°    | 814.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 814.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4411 | 4411  | 4411 | 4411  | 4411 |      |
| 5°  | 3982 | 3989  | 4018 | 4034  | 4038 | 347  |
| 15° | 1437 | 1427  | 1394 | 1457  | 1487 | 394  |
| 25° | 66   | 98    | 125  | 95    | 78   | 55   |
| 35° | 7    | 8     | 8    | 9     | 8    | 6    |
| 45° | 2    | 1     | 1    | 1     | 2    | 1    |
| 55° | 1    | 0     | 0    | 0     | 1    | 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4410.7 | 4410.7 | 4410.7 | 4410.7 | 4410.7 |
| 1°    | 4392.5 | 4398.3 | 4391.8 | 4399.1 | 4398.3 |
| 2°    | 4346.8 | 4352.6 | 4344.6 | 4349.0 | 4349.0 |
| 3°    | 4253.2 | 4265.5 | 4272.8 | 4277.9 | 4282.2 |
| 4°    | 4129.8 | 4143.6 | 4154.5 | 4167.5 | 4167.5 |
| 5°    | 3981.7 | 3989.0 | 4018.0 | 4034.0 | 4037.6 |
| 6°    | 3805.4 | 3834.4 | 3856.2 | 3888.1 | 3868.5 |
| 7°    | 3629.0 | 3652.9 | 3683.4 | 3688.5 | 3702.3 |
| 8°    | 3428.7 | 3454.1 | 3482.4 | 3477.3 | 3465.7 |
| 9°    | 3184.8 | 3221.8 | 3255.2 | 3244.3 | 3258.8 |
| 10°   | 2959.1 | 2981.6 | 2980.1 | 2969.2 | 2993.9 |
| 11°   | 2697.1 | 2702.1 | 2673.8 | 2718.1 | 2691.3 |
| 12°   | 2386.4 | 2390.8 | 2354.5 | 2398.0 | 2425.6 |
| 13°   | 2088.8 | 2078.7 | 2028.6 | 2085.9 | 2120.8 |
| 14°   | 1746.3 | 1749.9 | 1686.0 | 1797.1 | 1788.4 |
| 15°   | 1437.1 | 1426.9 | 1394.3 | 1456.7 | 1487.2 |
| 17.5° | 765.7  | 772.2  | 764.3  | 795.5  | 815.1  |
| 20°   | 394.8  | 405.7  | 401.4  | 414.4  | 405.7  |
| 22.5° | 204.7  | 219.9  | 224.3  | 214.1  | 186.5  |
| 25°   | 66.0   | 98.0   | 124.8  | 95.1   | 78.4   |
| 27.5° | 39.9   | 39.2   | 61.0   | 42.1   | 42.8   |
| 30°   | 24.7   | 24.0   | 25.4   | 25.4   | 26.1   |
| 32.5° | 13.8   | 14.5   | 13.8   | 15.2   | 14.5   |
| 35°   | 7.3    | 8.0    | 8.0    | 8.7    | 8.0    |
| 37.5° | 4.4    | 5.1    | 5.1    | 5.1    | 4.4    |
| 40°   | 2.2    | 2.9    | 2.9    | 2.2    | 2.2    |
| 42.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 45°   | 1.5    | 0.7    | 0.7    | 0.7    | 1.5    |
| 47.5° | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 50°   | 0.7    | 0.7    | 0.0    | 0.7    | 0.7    |
| 52.5° | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 55°   | 0.7    | 0.0    | 0.0    | 0.0    | 0.7    |
| 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)