

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: P1315470

Luminaire Tested: P3SQAS17R209740DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315470  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R209740DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

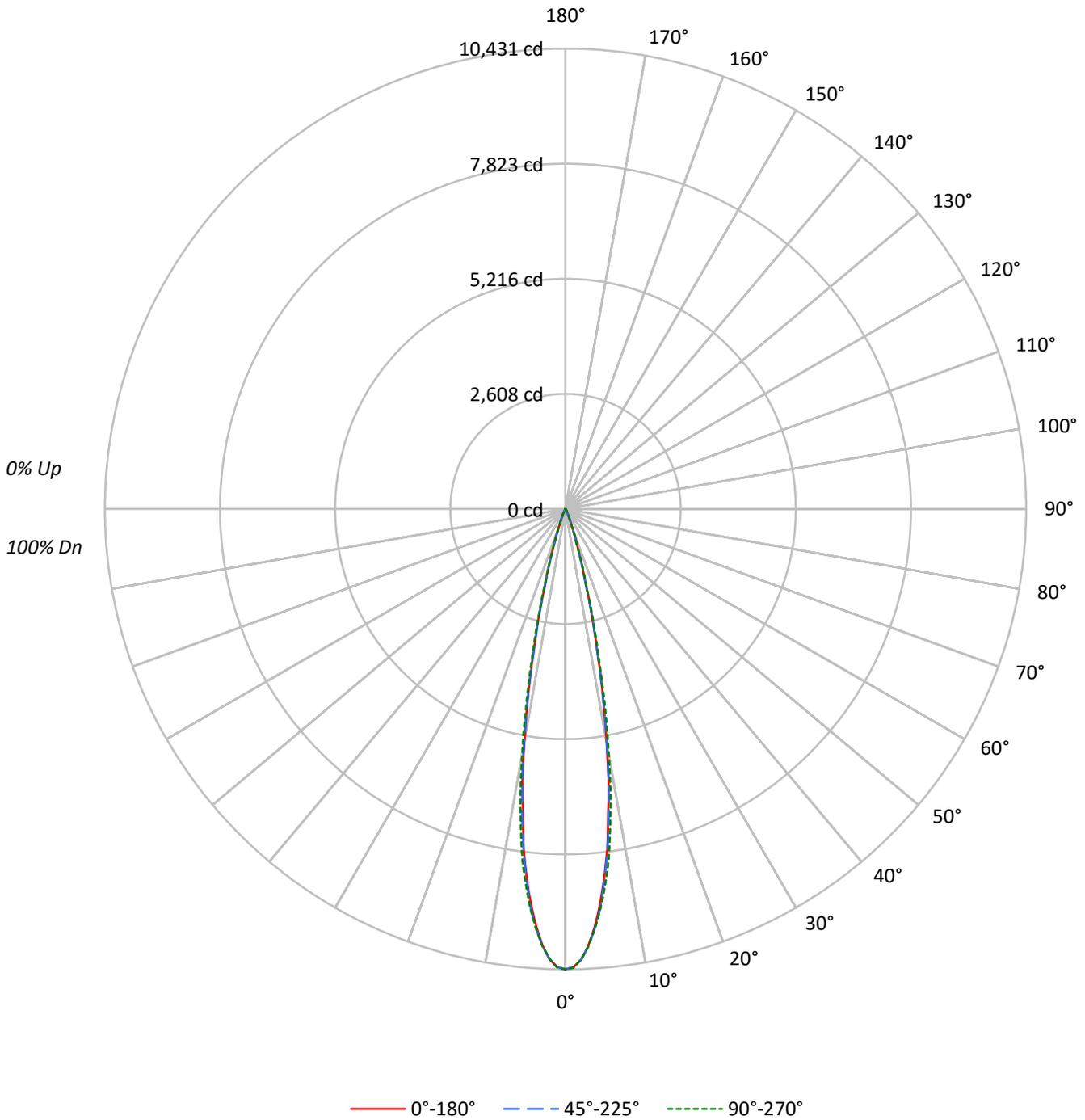
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1401.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 98  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 98  | 96  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 96  | 95  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 95  | 93  | 92  | 91  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 90  | 93  | 91  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 89  | 92  | 90  | 88  | 92  | 90  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 91  | 88  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 89  | 87  | 85  | 89  | 87  | 85  | 85  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1796437 | 1796437 | 1796437 |
| 5°  | 1551914 | 1566367 | 1572193 |
| 10° | 934224  | 942950  | 989888  |
| 15° | 323129  | 315570  | 340710  |
| 20° | 84875   | 79835   | 80073   |
| 25° | 18509   | 22290   | 25388   |
| 30° | 7935    | 7935    | 8193    |
| 35° | 4457    | 3932    | 4205    |
| 40° | 1956    | 2248    | 2518    |
| 45° | 609     | 901     | 901     |
| 50° | 322     | 322     | 322     |
| 55° | 0       | 0       | 0       |
| 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: 22.5°  
 Vertical Angle: 45°  
 Luminance: 901 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 746.0  | 53.3      |
| 10°-20°   | 568.0  | 40.5      |
| 20°-30°   | 70.2   | 5.0       |
| 30°-40°   | 13.3   | 0.9       |
| 40°-50°   | 3.2    | 0.2       |
| 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       |
| 0°-30°    | 1384.3 | 98.8      |
| 0°-40°    | 1397.6 | 99.8      |
| 0°-60°    | 1401.0 | 100.0     |
| 0°-90°    | 1401.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1401.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10431 | 10431 | 10431 | 10431 | 10431 |      |
| 5°  | 8977  | 8970  | 9060  | 9054  | 9094  | 740  |
| 15° | 1812  | 1747  | 1770  | 1876  | 1911  | 567  |
| 25° | 97    | 111   | 117   | 122   | 134   | 67   |
| 35° | 21    | 21    | 19    | 20    | 20    | 14   |
| 45° | 2     | 4     | 4     | 4     | 4     | 3    |
| 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     | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 10430.9 | 10430.9 | 10430.9 | 10430.9 | 10430.9 |
| 1°    | 10382.2 | 10369.7 | 10379.7 | 10358.5 | 10402.1 |
| 2°    | 10216.2 | 10203.7 | 10203.7 | 10191.2 | 10197.5 |
| 3°    | 9906.6  | 9926.6  | 9914.1  | 9887.9  | 9921.6  |
| 4°    | 9484.8  | 9507.2  | 9527.2  | 9528.4  | 9533.4  |
| 5°    | 8976.8  | 8970.5  | 9060.4  | 9054.1  | 9094.1  |
| 6°    | 8397.6  | 8390.1  | 8428.8  | 8493.7  | 8573.6  |
| 7°    | 7761.0  | 7669.9  | 7773.5  | 7904.6  | 8011.9  |
| 8°    | 6937.3  | 6961.0  | 7032.1  | 7186.9  | 7273.0  |
| 9°    | 6238.3  | 6099.7  | 6250.8  | 6435.5  | 6529.1  |
| 10°   | 5342.1  | 5229.8  | 5392.0  | 5586.8  | 5660.4  |
| 12.5° | 3362.5  | 3265.2  | 3317.6  | 3522.3  | 3554.8  |
| 15°   | 1812.3  | 1747.4  | 1769.9  | 1876.0  | 1910.9  |
| 17.5° | 924.9   | 866.2   | 853.7   | 921.1   | 928.6   |
| 20°   | 463.1   | 449.3   | 435.6   | 441.8   | 436.9   |
| 22.5° | 214.7   | 233.4   | 230.9   | 218.4   | 233.4   |
| 25°   | 97.4    | 111.1   | 117.3   | 122.3   | 133.6   |
| 27.5° | 59.9    | 57.4    | 66.2    | 71.1    | 72.4    |
| 30°   | 39.9    | 38.7    | 39.9    | 41.2    | 41.2    |
| 32.5° | 28.7    | 27.5    | 26.2    | 26.2    | 27.5    |
| 35°   | 21.2    | 21.2    | 18.7    | 20.0    | 20.0    |
| 37.5° | 15.0    | 15.0    | 13.7    | 15.0    | 15.0    |
| 40°   | 8.7     | 10.0    | 10.0    | 10.0    | 11.2    |
| 42.5° | 5.0     | 6.2     | 6.2     | 6.2     | 6.2     |
| 45°   | 2.5     | 3.7     | 3.7     | 3.7     | 3.7     |
| 47.5° | 1.2     | 1.2     | 1.2     | 2.5     | 2.5     |
| 50°   | 1.2     | 1.2     | 1.2     | 1.2     | 1.2     |
| 52.5° | 1.2     | 0.0     | 0.0     | 0.0     | 1.2     |
| 55°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 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     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)