

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: P1315506

Luminaire Tested: P3SQAS17R309740DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309740DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

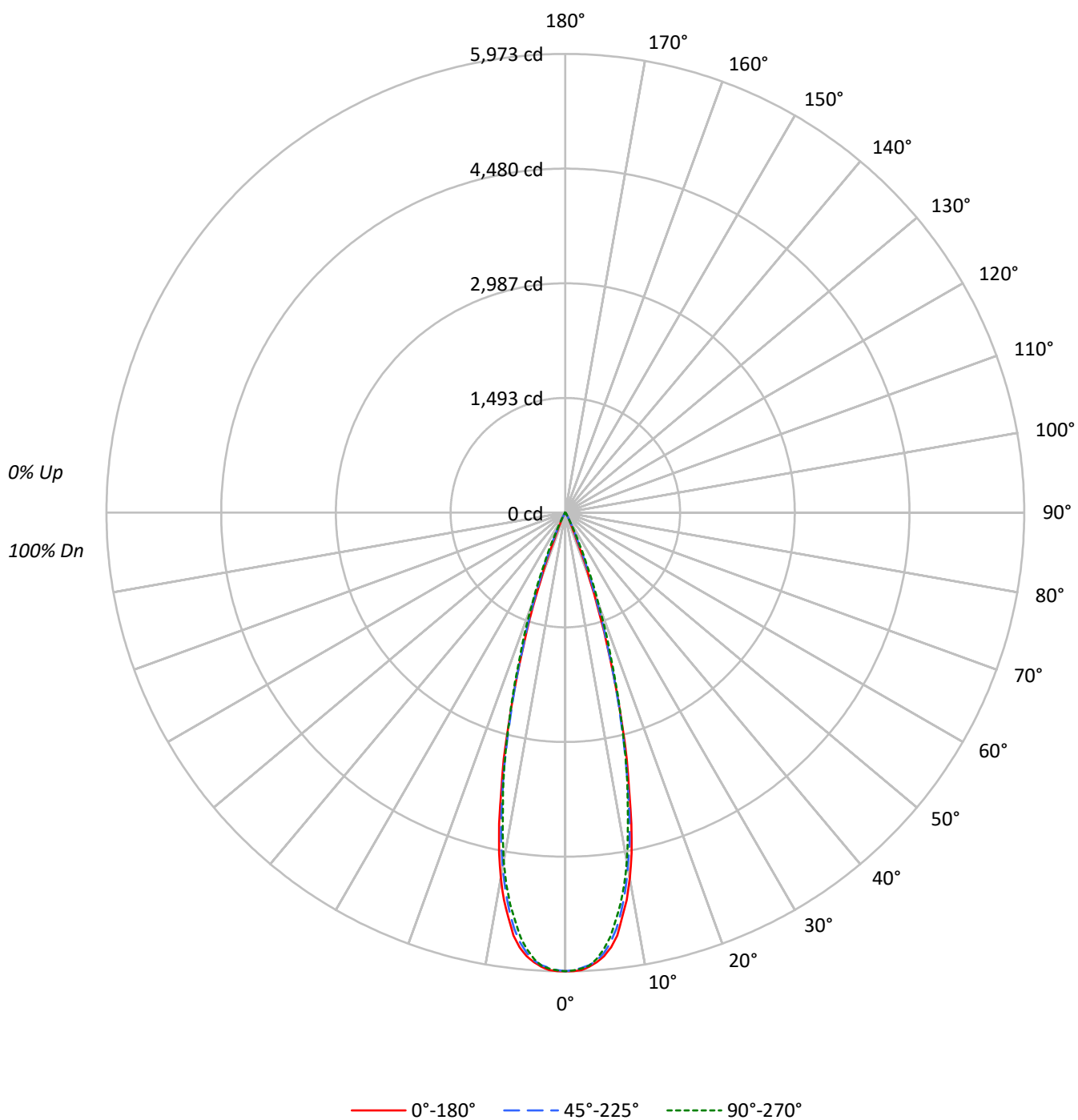
Lumens per Lamp: N/A  
Luminaire Lumens: 1447.0 lumens  
Efficiency: N/A  
Efficacy: 68.3 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1315506

CATALOG NUMBER: P3SQAS17R309740DE010 E3SQPH1MW

### 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 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1028479 | 1028479 | 1028479 |
| 5°  | 1001998 | 995100  | 986906  |
| 10° | 845595  | 819643  | 806334  |
| 15° | 509576  | 495347  | 504476  |
| 20° | 172847  | 199605  | 230231  |
| 25° | 31772   | 49787   | 58794   |
| 30° | 10918   | 12151   | 13642   |
| 35° | 3154    | 3932    | 4205    |
| 40° | 832     | 1394    | 1124    |
| 45° | 292     | 292     | 292     |
| 50° | 322     | 0       | 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: 0°

Vertical Angle: 52.5°

Luminance: 339 cd/sqm

TEST NUMBER: P1315506

CATALOG NUMBER: P3SQAS17R309740DE010 E3SQPH1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 516.4  | 35.7      |
| 10°-20°   | 754.7  | 52.2      |
| 20°-30°   | 159.7  | 11.0      |
| 30°-40°   | 14.7   | 1.0       |
| 40°-50°   | 1.4    | 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       |
| 0°-30°    | 1430.8 | 98.9      |
| 0°-40°    | 1445.5 | 99.9      |
| 0°-60°    | 1447.0 | 100.0     |
| 0°-90°    | 1447.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1447.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5972 | 5972  | 5972 | 5972  | 5972 |      |
| 5°  | 5796 | 5785  | 5756 | 5738  | 5709 | 523  |
| 15° | 2858 | 2848  | 2778 | 2843  | 2829 | 754  |
| 25° | 167  | 187   | 262  | 308   | 309  | 122  |
| 35° | 15   | 19    | 19   | 22    | 20   | 12   |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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    |

TEST NUMBER: P1315506

CATALOG NUMBER: P3SQAS17R309740DE010 E3SQPH1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5971.8 | 5971.8 | 5971.8 | 5971.8 | 5971.8 |
| 1°    | 5973.1 | 5966.8 | 5958.1 | 5970.6 | 5961.8 |
| 2°    | 5960.6 | 5945.6 | 5933.2 | 5945.6 | 5941.9 |
| 3°    | 5923.2 | 5910.7 | 5902.0 | 5908.2 | 5908.2 |
| 4°    | 5867.0 | 5853.3 | 5845.8 | 5847.1 | 5828.4 |
| 5°    | 5795.9 | 5784.7 | 5756.0 | 5738.5 | 5708.6 |
| 6°    | 5691.1 | 5663.7 | 5628.8 | 5600.1 | 5561.4 |
| 7°    | 5548.9 | 5506.5 | 5456.6 | 5406.7 | 5358.1 |
| 8°    | 5320.6 | 5300.7 | 5233.3 | 5199.6 | 5151.0 |
| 9°    | 5106.1 | 5057.4 | 4985.0 | 4930.2 | 4904.0 |
| 10°   | 4835.3 | 4763.0 | 4686.9 | 4643.2 | 4610.8 |
| 11°   | 4514.7 | 4441.1 | 4380.0 | 4316.4 | 4266.5 |
| 12°   | 4138.0 | 4075.6 | 4005.8 | 3963.3 | 3904.7 |
| 13°   | 3691.4 | 3682.6 | 3604.1 | 3590.3 | 3582.8 |
| 14°   | 3308.4 | 3273.5 | 3196.1 | 3217.3 | 3222.3 |
| 15°   | 2858.0 | 2848.1 | 2778.2 | 2843.1 | 2829.4 |
| 17.5° | 1790.2 | 1793.9 | 1837.6 | 1939.9 | 1972.3 |
| 20°   | 943.1  | 971.8  | 1089.1 | 1212.6 | 1256.2 |
| 22.5° | 381.7  | 445.4  | 565.1  | 648.7  | 704.8  |
| 25°   | 167.2  | 187.1  | 262.0  | 308.1  | 309.4  |
| 27.5° | 94.8   | 96.1   | 126.0  | 131.0  | 133.5  |
| 30°   | 54.9   | 56.1   | 61.1   | 64.9   | 68.6   |
| 32.5° | 29.9   | 32.4   | 33.7   | 38.7   | 38.7   |
| 35°   | 15.0   | 18.7   | 18.7   | 22.5   | 20.0   |
| 37.5° | 8.7    | 10.0   | 11.2   | 11.2   | 10.0   |
| 40°   | 3.7    | 5.0    | 6.2    | 6.2    | 5.0    |
| 42.5° | 1.2    | 2.5    | 2.5    | 2.5    | 3.7    |
| 45°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 47.5° | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 50°   | 1.2    | 0.0    | 0.0    | 0.0    | 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    |



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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)