

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: P1311273

Luminaire Tested: P3SQAS13R159050DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311273  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R159050DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

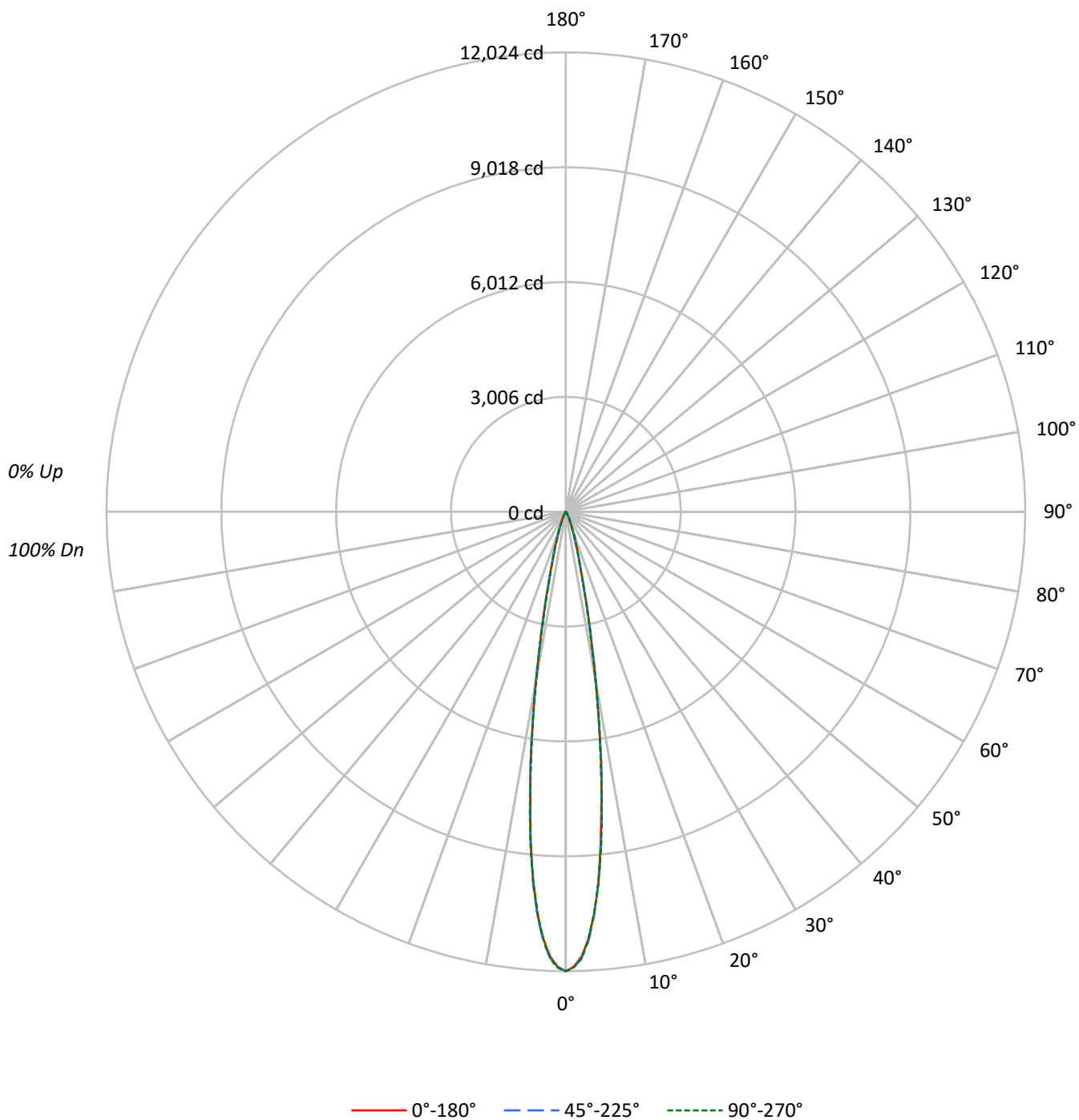
Lumens per Lamp: N/A  
Luminaire Lumens: 1342.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 102 |  | 101 |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 |  | 102 | 101 | 99  |  | 99  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  |  | 100 | 98  | 97  |  | 98  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 98  | 96  | 94  |  | 96  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  |  | 96  | 94  | 92  |  | 95  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  |  | 91  | 89  | 87  |  | 90  |
| 9   | 97  | 91  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  |  | 90  | 87  | 85  |  | 89  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  |  | 88  | 86  | 84  |  | 88  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2070857 | 2070857 | 2070857 |
| 5°  | 1686052 | 1691567 | 1688265 |
| 10° | 786503  | 793568  | 783530  |
| 15° | 246978  | 249064  | 247549  |
| 20° | 97851   | 101736  | 94735   |
| 25° | 39526   | 47811   | 38119   |
| 30° | 15830   | 21736   | 14994   |
| 35° | 4688    | 9587    | 4457    |
| 40° | 1439    | 3575    | 1192    |
| 45° | 268     | 779     | 268     |
| 50° | 0       | 295     | 0       |
| 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: 45°

Vertical Angle: 45°

Luminance: 779 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 752.8  | 56.1      |
| 10°-20°   | 450.3  | 33.6      |
| 20°-30°   | 113.5  | 8.5       |
| 30°-40°   | 23.2   | 1.7       |
| 40°-50°   | 2.2    | 0.2       |
| 50°-60°   | 0.0    | 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°    | 1316.6 | 98.1      |
| 0°-40°    | 1339.8 | 99.8      |
| 0°-60°    | 1342.0 | 100.0     |
| 0°-90°    | 1342.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1342.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 12024 | 12024 | 12024 | 12024 | 12024 |      |
| 5°  | 9753  | 9735  | 9785  | 9760  | 9766  | 751  |
| 15° | 1385  | 1397  | 1397  | 1377  | 1388  | 450  |
| 25° | 208   | 227   | 252   | 223   | 201   | 107  |
| 35° | 22    | 30    | 46    | 29    | 21    | 18   |
| 45° | 1     | 2     | 3     | 2     | 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    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 12024.3 | 12024.3 | 12024.3 | 12024.3 | 12024.3 |
| 1°    | 11916.0 | 11956.3 | 11935.1 | 11952.1 | 11933.0 |
| 2°    | 11658.1 | 11712.2 | 11695.2 | 11689.9 | 11704.8 |
| 3°    | 11203.8 | 11266.4 | 11264.3 | 11248.3 | 11222.9 |
| 4°    | 10583.9 | 10558.4 | 10597.7 | 10593.4 | 10549.9 |
| 5°    | 9752.7  | 9734.7  | 9784.6  | 9760.2  | 9765.5  |
| 6°    | 8735.9  | 8814.4  | 8797.4  | 8799.5  | 8819.7  |
| 7°    | 7643.6  | 7686.1  | 7722.2  | 7751.9  | 7710.5  |
| 8°    | 6640.5  | 6629.9  | 6633.1  | 6667.1  | 6552.4  |
| 9°    | 5517.5  | 5583.3  | 5540.8  | 5472.9  | 5516.4  |
| 10°   | 4497.4  | 4537.8  | 4537.8  | 4478.3  | 4480.4  |
| 11°   | 3585.6  | 3618.5  | 3595.2  | 3610.0  | 3516.6  |
| 12°   | 2890.4  | 2808.6  | 2789.5  | 2804.4  | 2803.3  |
| 13°   | 2206.8  | 2212.1  | 2206.8  | 2205.7  | 2195.1  |
| 14°   | 1730.2  | 1757.8  | 1746.1  | 1717.4  | 1704.7  |
| 15°   | 1385.2  | 1396.9  | 1396.9  | 1376.7  | 1388.4  |
| 17.5° | 832.2   | 846.0   | 849.2   | 835.4   | 835.4   |
| 20°   | 533.9   | 540.3   | 555.1   | 535.0   | 516.9   |
| 22.5° | 329.1   | 342.9   | 368.3   | 338.6   | 323.7   |
| 25°   | 208.0   | 227.2   | 251.6   | 222.9   | 200.6   |
| 27.5° | 130.6   | 146.5   | 167.7   | 140.1   | 126.3   |
| 30°   | 79.6    | 90.2    | 109.3   | 88.1    | 75.4    |
| 32.5° | 44.6    | 53.1    | 69.0    | 51.0    | 42.5    |
| 35°   | 22.3    | 29.7    | 45.6    | 28.7    | 21.2    |
| 37.5° | 12.7    | 15.9    | 28.7    | 13.8    | 11.7    |
| 40°   | 6.4     | 8.5     | 15.9    | 8.5     | 5.3     |
| 42.5° | 2.1     | 4.2     | 6.4     | 4.2     | 2.1     |
| 45°   | 1.1     | 2.1     | 3.2     | 2.1     | 1.1     |
| 47.5° | 0.0     | 0.0     | 1.1     | 0.0     | 0.0     |
| 50°   | 0.0     | 0.0     | 1.1     | 0.0     | 0.0     |
| 52.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 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)