

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: P1314486

Luminaire Tested: P3SQAS17R159735DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314486  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R159735DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

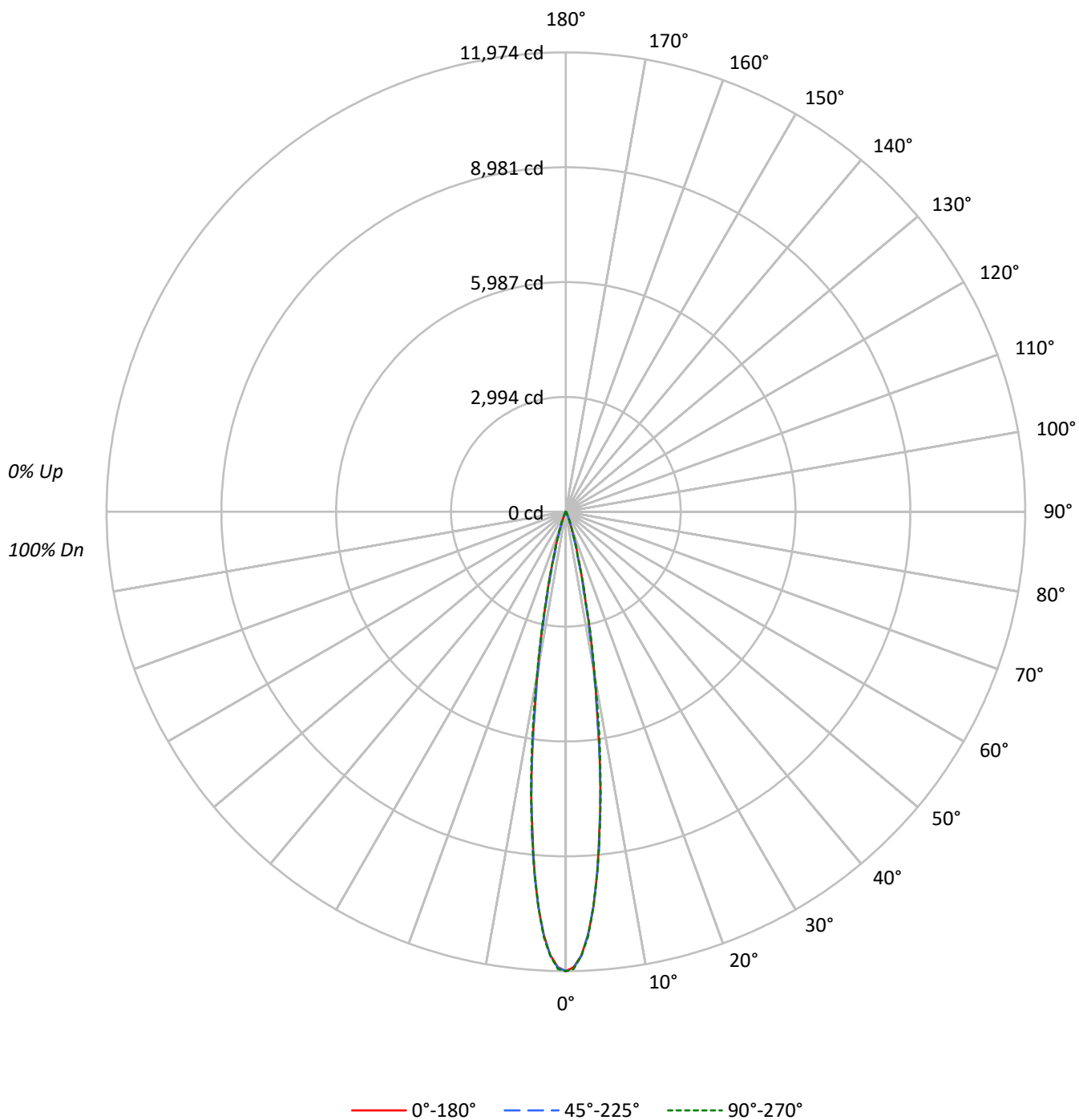
Lumens per Lamp: N/A  
Luminaire Lumens: 1199.0 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| 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 | 104 | 103 |  | 101 |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 104 | 102 |  | 102 | 101 | 100 |  | 100 |
| 3   | 110 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 103 | 101 | 99  |  | 101 | 99  | 97  |  | 99  |
| 4   | 108 | 104 | 100 | 98  | 106 | 103 | 100 | 98  | 101 | 98  | 96  |  | 99  | 97  | 95  |  | 97  |
| 5   | 106 | 101 | 98  | 95  | 104 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 95  | 94  |  | 96  |
| 6   | 104 | 99  | 96  | 93  | 103 | 98  | 95  | 93  | 97  | 94  | 92  |  | 96  | 94  | 92  |  | 95  |
| 7   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 93  | 91  |  | 94  | 92  | 90  |  | 94  |
| 8   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 91  | 89  |  | 93  | 91  | 89  |  | 92  |
| 9   | 98  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  |  | 92  | 89  | 88  |  | 91  |
| 10  | 97  | 92  | 89  | 87  | 96  | 92  | 89  | 87  | 91  | 88  | 87  |  | 90  | 88  | 86  |  | 90  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2062263 | 2062263 | 2062263 |
| 5°  | 1626719 | 1631058 | 1625267 |
| 10° | 744234  | 724718  | 759956  |
| 15° | 221286  | 197554  | 216793  |
| 20° | 65704   | 63725   | 69003   |
| 25° | 18680   | 24152   | 21644   |
| 30° | 6682    | 7159    | 6443    |
| 35° | 2523    | 2271    | 2271    |
| 40° | 1079    | 540     | 809     |
| 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: 47.5°

Luminance: 612 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 723.5  | 60.3      |
| 10°-20°   | 401.7  | 33.5      |
| 20°-30°   | 63.9   | 5.3       |
| 30°-40°   | 8.4    | 0.7       |
| 40°-50°   | 1.2    | 0.1       |
| 50°-60°   | 0.3    | 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°    | 1189.1 | 99.2      |
| 0°-40°    | 1197.5 | 99.9      |
| 0°-60°    | 1199.0 | 100.0     |
| 0°-90°    | 1199.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1199.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 11974 | 11974 | 11974 | 11974 | 11974 |      |
| 5°  | 9410  | 9488  | 9435  | 9395  | 9401  | 722  |
| 15° | 1241  | 1225  | 1108  | 1177  | 1216  | 409  |
| 25° | 98    | 110   | 127   | 126   | 114   | 60   |
| 35° | 12    | 12    | 11    | 12    | 11    | 9    |
| 45° | 2     | 2     | 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°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 11974.4 | 11974.4 | 11974.4 | 11974.4 | 11974.4 | 11974.4 | 11974.4 | 11974.4 | 11974.4 | 11974.4 | 11974.4 |
| 1°    | 11871.2 | 11884.4 | 11901.2 | 11885.6 | 11871.2 | 11884.4 | 11866.4 | 11868.8 | 11854.5 | 11885.6 | 11920.4 |
| 2°    | 11569.1 | 11585.9 | 11576.3 | 11554.7 | 11588.3 | 11590.6 | 11553.5 | 11535.5 | 11533.1 | 11564.3 | 11576.3 |
| 3°    | 11034.3 | 11072.6 | 11073.8 | 11066.6 | 11055.8 | 11034.3 | 10995.9 | 11021.1 | 10986.3 | 10964.7 | 11087.0 |
| 4°    | 10323.2 | 10356.8 | 10396.3 | 10369.9 | 10290.8 | 10298.0 | 10323.2 | 10238.0 | 10242.8 | 10292.0 | 10295.6 |
| 5°    | 9409.5  | 9511.4  | 9516.2  | 9479.0  | 9416.7  | 9434.6  | 9416.7  | 9392.7  | 9401.1  | 9432.2  | 9401.1  |
| 6°    | 8333.9  | 8449.0  | 8363.8  | 8445.4  | 8427.4  | 8450.2  | 8456.2  | 8431.0  | 8449.0  | 8429.8  | 8423.8  |
| 7°    | 7404.5  | 7317.0  | 7329.0  | 7295.4  | 7331.4  | 7355.4  | 7369.8  | 7326.6  | 7361.4  | 7416.5  | 7432.1  |
| 8°    | 6252.2  | 6227.0  | 6201.8  | 6261.8  | 6245.0  | 6273.8  | 6291.8  | 6339.7  | 6337.3  | 6354.1  | 6409.3  |
| 9°    | 5155.0  | 5192.2  | 5215.0  | 5162.2  | 5207.8  | 5119.0  | 5150.2  | 5278.5  | 5244.9  | 5278.5  | 5376.8  |
| 10°   | 4255.7  | 4285.6  | 4252.1  | 4250.9  | 4202.9  | 4144.1  | 4140.5  | 4188.5  | 4289.2  | 4368.4  | 4345.6  |
| 12.5° | 2347.9  | 2374.2  | 2377.8  | 2375.4  | 2289.1  | 2192.0  | 2210.0  | 2248.3  | 2310.7  | 2337.1  | 2380.2  |
| 15°   | 1241.1  | 1239.9  | 1253.1  | 1215.9  | 1170.3  | 1108.0  | 1112.8  | 1165.5  | 1212.3  | 1224.3  | 1215.9  |
| 17.5° | 636.7   | 639.1   | 648.7   | 639.1   | 591.2   | 597.2   | 610.3   | 616.3   | 643.9   | 654.7   | 648.7   |
| 20°   | 358.5   | 359.7   | 358.5   | 362.1   | 342.9   | 347.7   | 364.5   | 365.7   | 371.7   | 377.7   | 376.5   |
| 22.5° | 205.0   | 206.2   | 213.4   | 211.0   | 206.2   | 212.2   | 215.8   | 221.8   | 224.2   | 221.8   | 229.0   |
| 25°   | 98.3    | 99.5    | 99.5    | 113.9   | 121.1   | 127.1   | 129.5   | 127.1   | 124.7   | 115.1   | 113.9   |
| 27.5° | 56.4    | 56.4    | 58.8    | 60.0    | 62.4    | 73.1    | 71.9    | 60.0    | 50.4    | 50.4    | 51.6    |
| 30°   | 33.6    | 32.4    | 32.4    | 33.6    | 34.8    | 36.0    | 33.6    | 32.4    | 32.4    | 33.6    | 32.4    |
| 32.5° | 20.4    | 20.4    | 20.4    | 19.2    | 19.2    | 18.0    | 18.0    | 20.4    | 20.4    | 20.4    | 20.4    |
| 35°   | 12.0    | 12.0    | 12.0    | 12.0    | 10.8    | 10.8    | 10.8    | 12.0    | 12.0    | 10.8    | 10.8    |
| 37.5° | 7.2     | 7.2     | 7.2     | 6.0     | 6.0     | 4.8     | 6.0     | 6.0     | 6.0     | 6.0     | 6.0     |
| 40°   | 4.8     | 4.8     | 3.6     | 3.6     | 2.4     | 2.4     | 2.4     | 3.6     | 3.6     | 3.6     | 3.6     |
| 42.5° | 3.6     | 3.6     | 2.4     | 2.4     | 1.2     | 1.2     | 1.2     | 2.4     | 2.4     | 2.4     | 2.4     |
| 45°   | 2.4     | 2.4     | 2.4     | 1.2     | 1.2     | 1.2     | 1.2     | 1.2     | 1.2     | 2.4     | 2.4     |
| 47.5° | 2.4     | 2.4     | 1.2     | 1.2     | 0.0     | 0.0     | 0.0     | 1.2     | 1.2     | 1.2     | 1.2     |
| 50°   | 1.2     | 1.2     | 1.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.2     | 1.2     | 1.2     |
| 52.5° | 1.2     | 1.2     | 1.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.2     | 1.2     | 1.2     |
| 55°   | 1.2     | 1.2     | 1.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.2     | 1.2     |
| 57.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 60°   | 0.0     | 1.2     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 62.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 65°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 67.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 70°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 72.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 75°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)