

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: P1312541

Luminaire Tested: P3SQAS17R159727DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312541  
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: P3SQAS17R159727DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

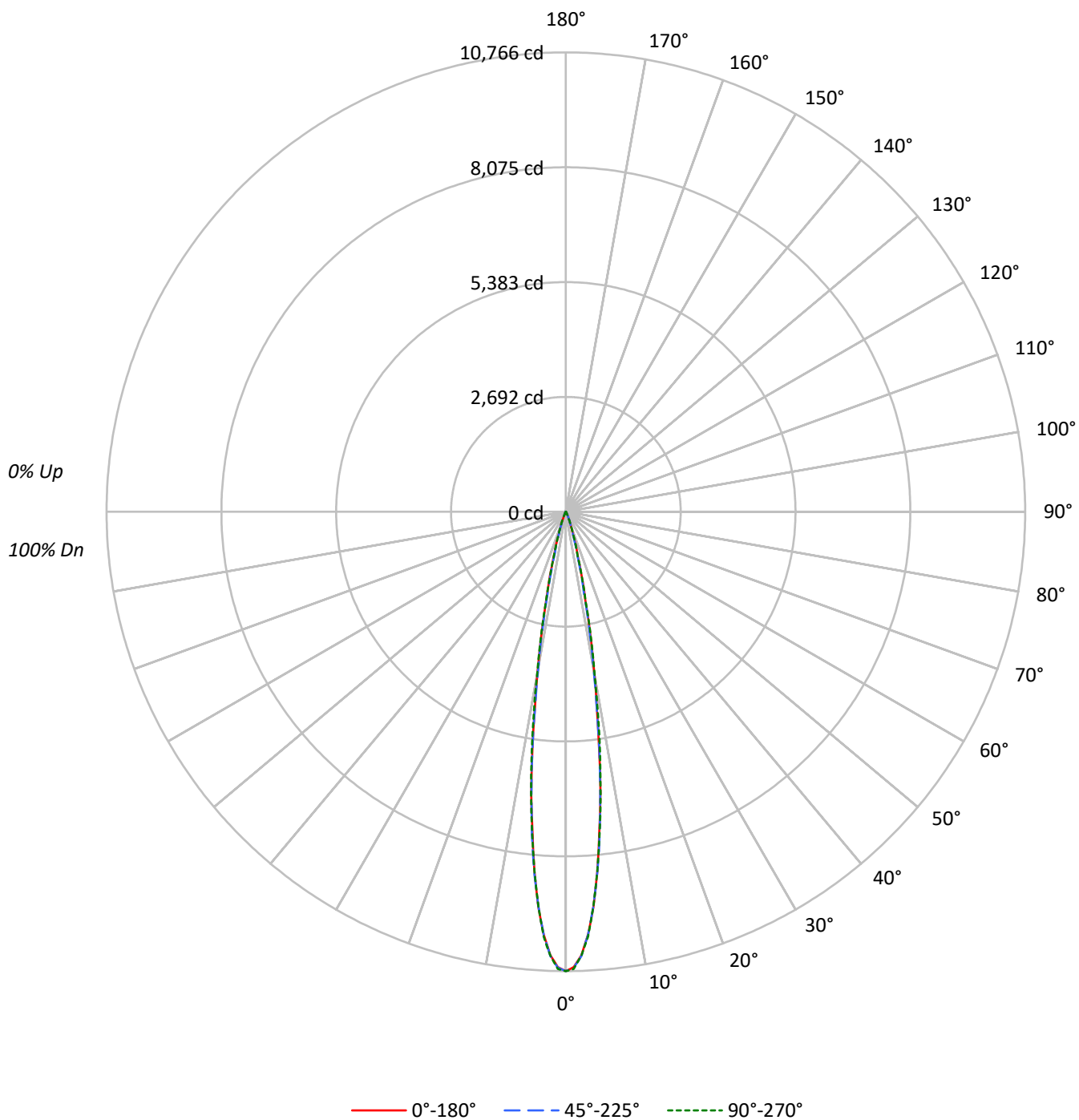
Lumens per Lamp: N/A  
Luminaire Lumens: 1078.0 lumens  
Efficiency: N/A  
Efficacy: 50.8 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 1854132 | 1854132 | 1854132 |
| 5°  | 1462552 | 1466459 | 1461238 |
| 10° | 669124  | 651583  | 683254  |
| 15° | 198945  | 177620  | 194915  |
| 20° | 59088   | 57310   | 62039   |
| 25° | 16798   | 21720   | 19459   |
| 30° | 6006    | 6423    | 5787    |
| 35° | 2271    | 2039    | 2039    |
| 40° | 967     | 495     | 719     |
| 45° | 536     | 268     | 536     |
| 50° | 295     | 0       | 295     |
| 55° | 330     | 0       | 330     |
| 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: 561 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 650.5  | 60.3      |
| 10°-20°   | 361.1  | 33.5      |
| 20°-30°   | 57.5   | 5.3       |
| 30°-40°   | 7.5    | 0.7       |
| 40°-50°   | 1.1    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1069.1 | 99.2      |
| 0°-40°    | 1076.6 | 99.9      |
| 0°-60°    | 1078.0 | 100.0     |
| 0°-90°    | 1078.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1078.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10766 | 10766 | 10766 | 10766 | 10766 |      |
| 5°  | 8460  | 8531  | 8482  | 8447  | 8452  | 649  |
| 15° | 1116  | 1102  | 996   | 1058  | 1093  | 368  |
| 25° | 88    | 99    | 114   | 114   | 102   | 54   |
| 35° | 11    | 11    | 10    | 11    | 10    | 8    |
| 45° | 2     | 1     | 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°    | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 |
| 1°    | 10673.2 | 10685.1 | 10700.2 | 10686.2 | 10673.2 | 10685.1 | 10668.9 | 10671.1 | 10658.1 | 10686.2 | 10717.4 |
| 2°    | 10401.5 | 10416.6 | 10408.0 | 10388.6 | 10418.8 | 10421.0 | 10387.5 | 10371.4 | 10369.2 | 10397.2 | 10408.0 |
| 3°    | 9920.7  | 9955.2  | 9956.3  | 9949.8  | 9940.1  | 9920.7  | 9886.2  | 9908.9  | 9877.6  | 9858.2  | 9968.1  |
| 4°    | 9281.4  | 9311.6  | 9347.2  | 9323.4  | 9252.3  | 9258.8  | 9281.4  | 9204.8  | 9209.2  | 9253.4  | 9256.6  |
| 5°    | 8459.9  | 8551.5  | 8555.8  | 8522.4  | 8466.3  | 8482.5  | 8466.3  | 8444.8  | 8452.3  | 8480.4  | 8452.3  |
| 6°    | 7492.8  | 7596.3  | 7519.8  | 7593.1  | 7576.9  | 7597.4  | 7602.8  | 7580.1  | 7596.3  | 7579.1  | 7573.7  |
| 7°    | 6657.3  | 6578.6  | 6589.4  | 6559.2  | 6591.5  | 6613.1  | 6626.0  | 6587.2  | 6618.5  | 6668.1  | 6682.1  |
| 8°    | 5621.2  | 5598.6  | 5576.0  | 5629.9  | 5614.8  | 5640.6  | 5656.8  | 5699.9  | 5697.8  | 5712.9  | 5762.5  |
| 9°    | 4634.8  | 4668.2  | 4688.7  | 4641.2  | 4682.2  | 4602.4  | 4630.5  | 4745.8  | 4715.6  | 4745.8  | 4834.2  |
| 10°   | 3826.2  | 3853.1  | 3823.0  | 3821.9  | 3778.8  | 3725.9  | 3722.7  | 3765.8  | 3856.4  | 3927.5  | 3907.0  |
| 12.5° | 2110.9  | 2134.6  | 2137.9  | 2135.7  | 2058.1  | 1970.8  | 1986.9  | 2021.4  | 2077.5  | 2101.2  | 2140.0  |
| 15°   | 1115.8  | 1114.8  | 1126.6  | 1093.2  | 1052.2  | 996.2   | 1000.5  | 1047.9  | 1090.0  | 1100.7  | 1093.2  |
| 17.5° | 572.5   | 574.6   | 583.3   | 574.6   | 531.5   | 536.9   | 548.8   | 554.1   | 578.9   | 588.6   | 583.3   |
| 20°   | 322.4   | 323.4   | 322.4   | 325.6   | 308.3   | 312.7   | 327.7   | 328.8   | 334.2   | 339.6   | 338.5   |
| 22.5° | 184.4   | 185.4   | 191.9   | 189.7   | 185.4   | 190.8   | 194.1   | 199.4   | 201.6   | 199.4   | 205.9   |
| 25°   | 88.4    | 89.5    | 89.5    | 102.4   | 108.9   | 114.3   | 116.4   | 114.3   | 112.1   | 103.5   | 102.4   |
| 27.5° | 50.7    | 50.7    | 52.8    | 53.9    | 56.1    | 65.8    | 64.7    | 53.9    | 45.3    | 45.3    | 46.4    |
| 30°   | 30.2    | 29.1    | 29.1    | 30.2    | 31.3    | 32.3    | 30.2    | 29.1    | 29.1    | 30.2    | 29.1    |
| 32.5° | 18.3    | 18.3    | 18.3    | 17.2    | 17.2    | 16.2    | 16.2    | 18.3    | 18.3    | 18.3    | 18.3    |
| 35°   | 10.8    | 10.8    | 10.8    | 10.8    | 9.7     | 9.7     | 9.7     | 10.8    | 10.8    | 9.7     | 9.7     |
| 37.5° | 6.5     | 6.5     | 6.5     | 5.4     | 5.4     | 4.3     | 5.4     | 5.4     | 5.4     | 5.4     | 5.4     |
| 40°   | 4.3     | 4.3     | 3.2     | 3.2     | 2.2     | 2.2     | 2.2     | 3.2     | 3.2     | 3.2     | 3.2     |
| 42.5° | 3.2     | 3.2     | 2.2     | 2.2     | 1.1     | 1.1     | 1.1     | 2.2     | 2.2     | 2.2     | 2.2     |
| 45°   | 2.2     | 2.2     | 2.2     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 1.1     | 2.2     | 2.2     |
| 47.5° | 2.2     | 2.2     | 1.1     | 1.1     | 0.0     | 0.0     | 0.0     | 1.1     | 1.1     | 1.1     | 1.1     |
| 50°   | 1.1     | 1.1     | 1.1     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.1     | 1.1     | 1.1     |
| 52.5° | 1.1     | 1.1     | 1.1     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.1     | 1.1     | 1.1     |
| 55°   | 1.1     | 1.1     | 1.1     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 1.1     | 1.1     |
| 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     | 1.1     | 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)