

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: P1312463

Luminaire Tested: P3SQAS13R359727DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359727DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

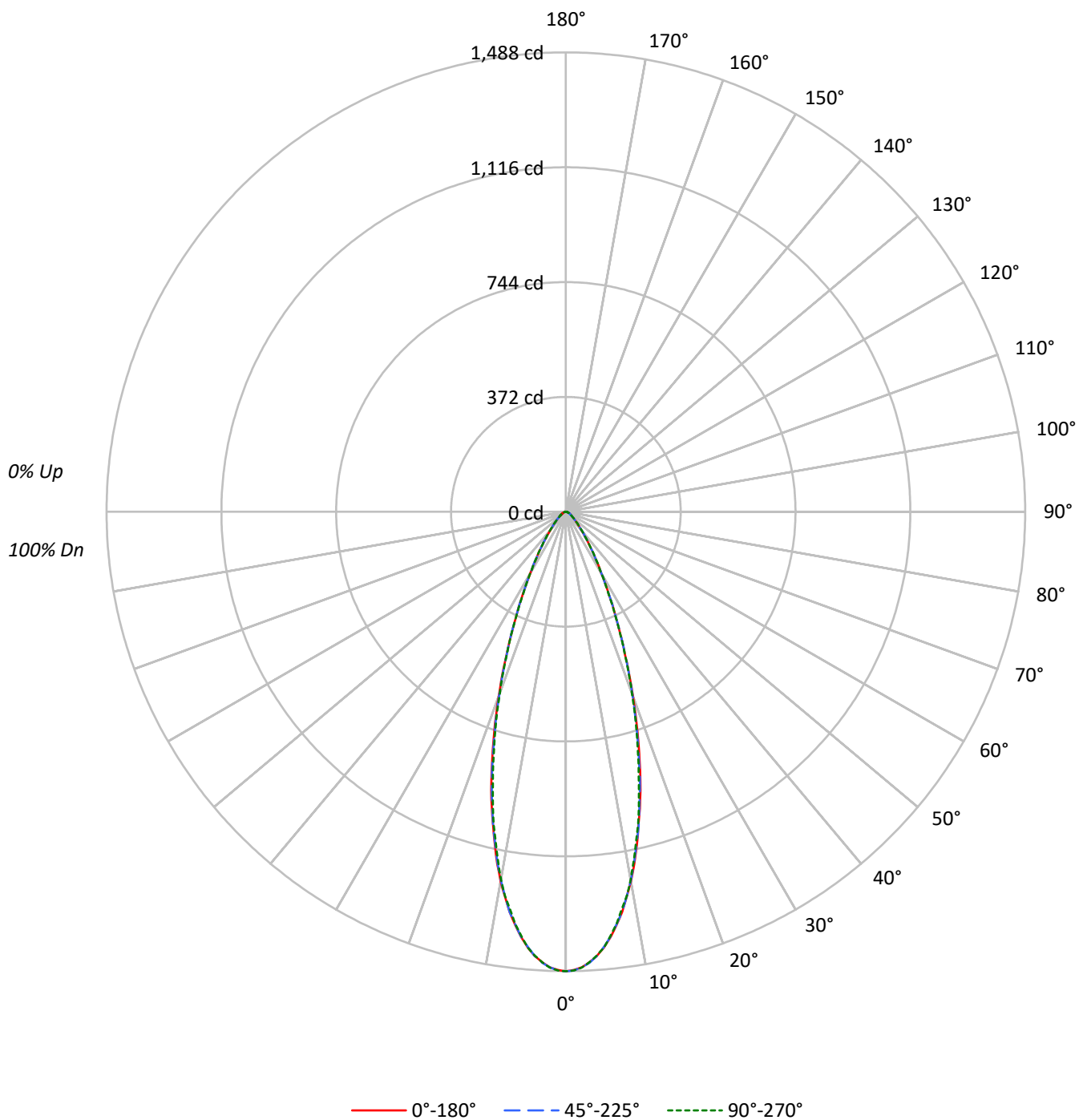
Lumens per Lamp: N/A  
Luminaire Lumens: 734.0 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 256319 | 256319 | 256319 |
| 5°  | 244937 | 244505 | 244937 |
| 10° | 212636 | 211919 | 211639 |
| 15° | 166619 | 165318 | 162697 |
| 20° | 116563 | 115519 | 114767 |
| 25° | 74034  | 74490  | 74034  |
| 30° | 45600  | 45938  | 45600  |
| 35° | 28215  | 28383  | 28383  |
| 40° | 17918  | 18098  | 18098  |
| 45° | 12081  | 12275  | 12470  |
| 50° | 8708   | 8922   | 8922   |
| 55° | 6846   | 6846   | 6846   |
| 60° | 5614   | 5614   | 5614   |
| 65° | 4972   | 4972   | 4972   |
| 70° | 4482   | 4482   | 4482   |
| 75° | 3793   | 3793   | 3793   |
| 80° | 3273   | 3273   | 3273   |
| 85° | 1581   | 1581   | 3162   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12470 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 128.6  | 17.5      |
| 10°-20°   | 253.2  | 34.5      |
| 20°-30°   | 182.7  | 24.9      |
| 30°-40°   | 88.1   | 12.0      |
| 40°-50°   | 40.6   | 5.5       |
| 50°-60°   | 21.0   | 2.9       |
| 60°-70°   | 12.1   | 1.7       |
| 70°-80°   | 6.1    | 0.8       |
| 80°-90°   | 1.4    | 0.2       |
| 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°    | 564.6  | 76.9      |
| 0°-40°    | 652.7  | 88.9      |
| 0°-60°    | 714.3  | 97.3      |
| 0°-90°    | 734.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 734.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1488 | 1488  | 1488 | 1488  | 1488 |      |
| 5°  | 1417 | 1420  | 1414 | 1415  | 1417 | 129  |
| 15° | 934  | 933   | 927  | 923   | 912  | 255  |
| 25° | 390  | 390   | 392  | 392   | 390  | 183  |
| 35° | 134  | 134   | 135  | 135   | 135  | 88   |
| 45° | 50   | 50    | 50   | 51    | 51   | 40   |
| 55° | 23   | 23    | 23   | 23    | 23   | 21   |
| 65° | 12   | 12    | 12   | 12    | 12   | 12   |
| 75° | 6    | 6     | 6    | 6     | 6    | 6    |
| 85° | 1    | 1     | 1    | 1     | 2    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1488.3 | 1488.3 | 1488.3 | 1488.3 | 1488.3 |
| 1°    | 1484.3 | 1486.7 | 1485.9 | 1486.7 | 1485.9 |
| 2°    | 1476.9 | 1478.6 | 1476.9 | 1477.8 | 1477.8 |
| 3°    | 1461.5 | 1463.1 | 1463.1 | 1462.3 | 1461.5 |
| 4°    | 1442.8 | 1446.8 | 1442.8 | 1443.6 | 1441.2 |
| 5°    | 1416.8 | 1420.0 | 1414.3 | 1415.1 | 1416.8 |
| 6°    | 1385.0 | 1385.9 | 1384.2 | 1383.4 | 1381.8 |
| 7°    | 1348.4 | 1351.7 | 1346.0 | 1346.8 | 1345.2 |
| 8°    | 1309.4 | 1308.6 | 1308.6 | 1305.3 | 1300.5 |
| 9°    | 1262.2 | 1265.5 | 1260.6 | 1259.0 | 1259.8 |
| 10°   | 1215.9 | 1215.9 | 1211.8 | 1207.7 | 1210.2 |
| 11°   | 1163.0 | 1161.4 | 1158.9 | 1153.2 | 1151.6 |
| 12°   | 1105.3 | 1108.5 | 1101.2 | 1098.8 | 1093.1 |
| 13°   | 1045.9 | 1050.8 | 1047.5 | 1038.6 | 1039.4 |
| 14°   | 990.6  | 987.3  | 984.9  | 983.3  | 977.6  |
| 15°   | 934.5  | 932.8  | 927.2  | 923.1  | 912.5  |
| 17.5° | 780.8  | 782.4  | 771.8  | 770.2  | 766.1  |
| 20°   | 636.0  | 631.1  | 630.3  | 631.1  | 626.2  |
| 22.5° | 501.8  | 506.7  | 501.0  | 501.8  | 498.5  |
| 25°   | 389.6  | 390.4  | 392.0  | 392.0  | 389.6  |
| 27.5° | 302.5  | 302.5  | 300.9  | 302.5  | 300.1  |
| 30°   | 229.3  | 229.3  | 231.0  | 232.6  | 229.3  |
| 32.5° | 177.3  | 177.3  | 177.3  | 178.1  | 178.9  |
| 35°   | 134.2  | 134.2  | 135.0  | 135.0  | 135.0  |
| 37.5° | 103.3  | 104.1  | 104.9  | 104.9  | 104.9  |
| 40°   | 79.7   | 80.5   | 80.5   | 81.3   | 80.5   |
| 42.5° | 63.4   | 63.4   | 63.4   | 64.3   | 64.3   |
| 45°   | 49.6   | 50.4   | 50.4   | 51.2   | 51.2   |
| 47.5° | 40.7   | 40.7   | 40.7   | 41.5   | 41.5   |
| 50°   | 32.5   | 33.3   | 33.3   | 33.3   | 33.3   |
| 52.5° | 26.8   | 26.8   | 27.7   | 27.7   | 27.7   |
| 55°   | 22.8   | 22.8   | 22.8   | 22.8   | 22.8   |
| 57.5° | 18.7   | 19.5   | 19.5   | 19.5   | 19.5   |
| 60°   | 16.3   | 16.3   | 16.3   | 16.3   | 16.3   |
| 62.5° | 13.8   | 13.8   | 13.8   | 13.8   | 13.8   |
| 65°   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   |
| 67.5° | 9.8    | 10.6   | 10.6   | 10.6   | 10.6   |
| 70°   | 8.9    | 8.9    | 8.9    | 8.9    | 8.9    |
| 72.5° | 6.5    | 7.3    | 7.3    | 7.3    | 7.3    |
| 75°   | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 77.5° | 4.9    | 4.1    | 4.1    | 4.1    | 4.9    |
| 80°   | 3.3    | 3.3    | 3.3    | 3.3    | 3.3    |
| 82.5° | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    |
| 85°   | 0.8    | 0.8    | 0.8    | 0.8    | 1.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    |



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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)