

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: P1312137

Luminaire Tested: P3SQAS05R359727DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312137  
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: P3SQAS05R359727DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

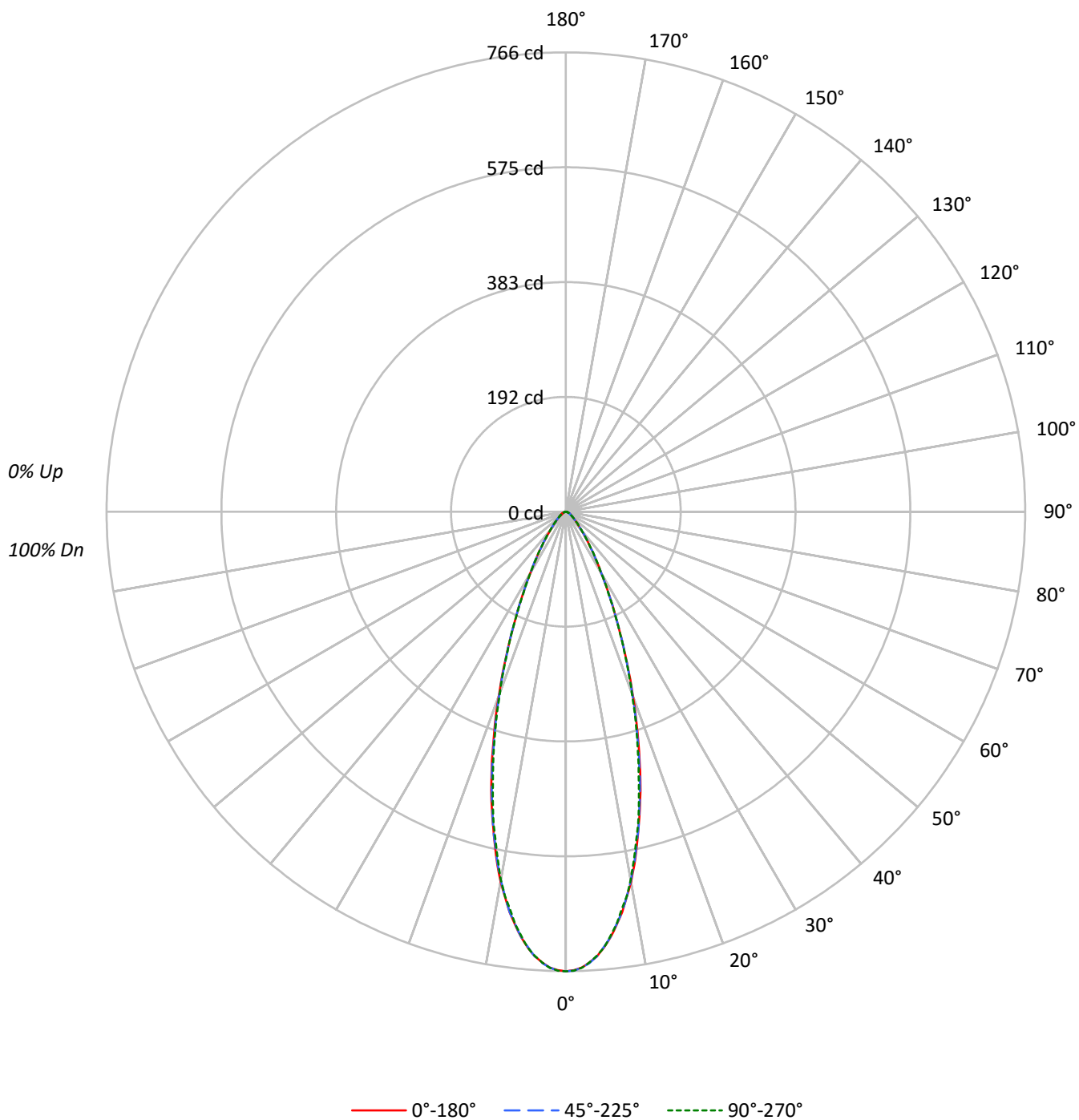
Lumens per Lamp: N/A  
Luminaire Lumens: 378.0 lumens  
Efficiency: N/A  
Efficacy: 52.5 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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   | 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  | 96  | 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°  | 132009 | 132009 | 132009 |
| 5°  | 126134 | 125926 | 126134 |
| 10° | 109510 | 109142 | 108985 |
| 15° | 85797  | 85137  | 83782  |
| 20° | 60023  | 59491  | 59106  |
| 25° | 38119  | 38366  | 38119  |
| 30° | 23486  | 23645  | 23486  |
| 35° | 14528  | 14612  | 14612  |
| 40° | 9218   | 9330   | 9330   |
| 45° | 6211   | 6333   | 6430   |
| 50° | 4501   | 4608   | 4608   |
| 55° | 3513   | 3513   | 3513   |
| 60° | 2893   | 2893   | 2893   |
| 65° | 2567   | 2567   | 2567   |
| 70° | 2316   | 2316   | 2316   |
| 75° | 1930   | 1930   | 1930   |
| 80° | 1686   | 1686   | 1686   |
| 85° | 790    | 790    | 1581   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 6430 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 66.2   | 17.5      |
| 10°-20°   | 130.4  | 34.5      |
| 20°-30°   | 94.1   | 24.9      |
| 30°-40°   | 45.4   | 12.0      |
| 40°-50°   | 20.9   | 5.5       |
| 50°-60°   | 10.8   | 2.9       |
| 60°-70°   | 6.2    | 1.7       |
| 70°-80°   | 3.2    | 0.8       |
| 80°-90°   | 0.7    | 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°    | 290.8  | 76.9      |
| 0°-40°    | 336.1  | 88.9      |
| 0°-60°    | 367.8  | 97.3      |
| 0°-90°    | 378.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 378.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 766 | 766   | 766 | 766   | 766 |      |
| 5°  | 730 | 731   | 728 | 729   | 730 | 66   |
| 15° | 481 | 480   | 478 | 475   | 470 | 131  |
| 25° | 201 | 201   | 202 | 202   | 201 | 94   |
| 35° | 69  | 69    | 70  | 70    | 70  | 45   |
| 45° | 26  | 26    | 26  | 26    | 26  | 21   |
| 55° | 12  | 12    | 12  | 12    | 12  | 11   |
| 65° | 6   | 6     | 6   | 6     | 6   | 6    |
| 75° | 3   | 3     | 3   | 3     | 3   | 3    |
| 85° | 0   | 0     | 0   | 0     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 766.5 | 766.5 | 766.5 | 766.5 | 766.5 |
| 1°    | 764.4 | 765.6 | 765.2 | 765.6 | 765.2 |
| 2°    | 760.6 | 761.4 | 760.6 | 761.0 | 761.0 |
| 3°    | 752.6 | 753.5 | 753.5 | 753.1 | 752.6 |
| 4°    | 743.0 | 745.1 | 743.0 | 743.4 | 742.2 |
| 5°    | 729.6 | 731.3 | 728.4 | 728.8 | 729.6 |
| 6°    | 713.3 | 713.7 | 712.9 | 712.4 | 711.6 |
| 7°    | 694.4 | 696.1 | 693.2 | 693.6 | 692.8 |
| 8°    | 674.3 | 673.9 | 673.9 | 672.2 | 669.7 |
| 9°    | 650.0 | 651.7 | 649.2 | 648.4 | 648.8 |
| 10°   | 626.2 | 626.2 | 624.1 | 622.0 | 623.2 |
| 11°   | 598.9 | 598.1 | 596.8 | 593.9 | 593.1 |
| 12°   | 569.2 | 570.9 | 567.1 | 565.8 | 562.9 |
| 13°   | 538.6 | 541.1 | 539.5 | 534.9 | 535.3 |
| 14°   | 510.1 | 508.5 | 507.2 | 506.4 | 503.4 |
| 15°   | 481.2 | 480.4 | 477.5 | 475.4 | 469.9 |
| 17.5° | 402.1 | 402.9 | 397.5 | 396.6 | 394.5 |
| 20°   | 327.5 | 325.0 | 324.6 | 325.0 | 322.5 |
| 22.5° | 258.4 | 260.9 | 258.0 | 258.4 | 256.7 |
| 25°   | 200.6 | 201.0 | 201.9 | 201.9 | 200.6 |
| 27.5° | 155.8 | 155.8 | 155.0 | 155.8 | 154.6 |
| 30°   | 118.1 | 118.1 | 118.9 | 119.8 | 118.1 |
| 32.5° | 91.3  | 91.3  | 91.3  | 91.7  | 92.1  |
| 35°   | 69.1  | 69.1  | 69.5  | 69.5  | 69.5  |
| 37.5° | 53.2  | 53.6  | 54.0  | 54.0  | 54.0  |
| 40°   | 41.0  | 41.5  | 41.5  | 41.9  | 41.5  |
| 42.5° | 32.7  | 32.7  | 32.7  | 33.1  | 33.1  |
| 45°   | 25.5  | 26.0  | 26.0  | 26.4  | 26.4  |
| 47.5° | 20.9  | 20.9  | 20.9  | 21.4  | 21.4  |
| 50°   | 16.8  | 17.2  | 17.2  | 17.2  | 17.2  |
| 52.5° | 13.8  | 13.8  | 14.2  | 14.2  | 14.2  |
| 55°   | 11.7  | 11.7  | 11.7  | 11.7  | 11.7  |
| 57.5° | 9.6   | 10.1  | 10.1  | 10.1  | 10.1  |
| 60°   | 8.4   | 8.4   | 8.4   | 8.4   | 8.4   |
| 62.5° | 7.1   | 7.1   | 7.1   | 7.1   | 7.1   |
| 65°   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   |
| 67.5° | 5.0   | 5.4   | 5.4   | 5.4   | 5.4   |
| 70°   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   |
| 72.5° | 3.4   | 3.8   | 3.8   | 3.8   | 3.8   |
| 75°   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   |
| 77.5° | 2.5   | 2.1   | 2.1   | 2.1   | 2.5   |
| 80°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   |
| 82.5° | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 85°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.8   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.4   | 0.4   |



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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)