

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: P1305678

Luminaire Tested: P3SQASS05R709024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS05R709024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

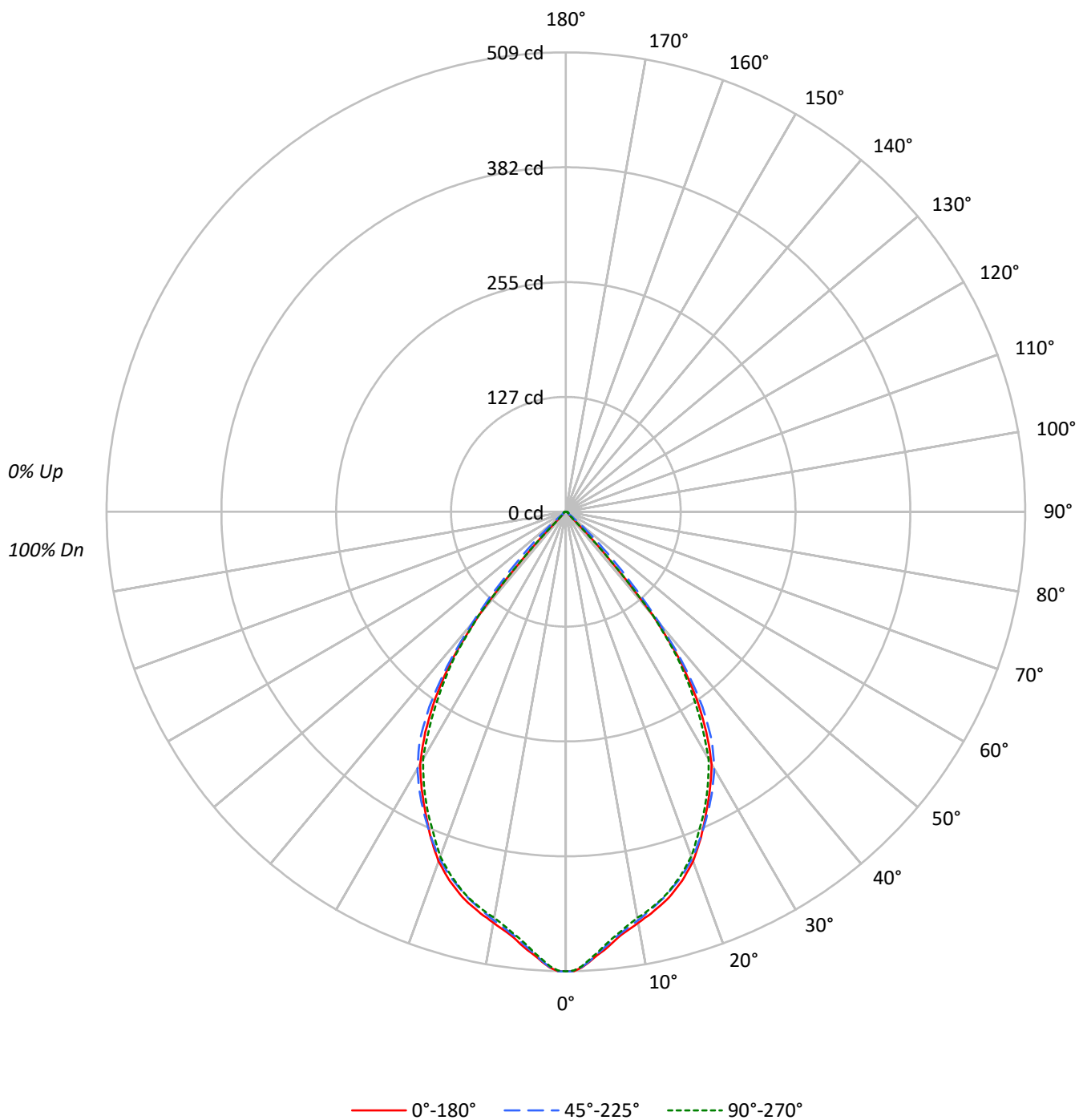
Lumens per Lamp: N/A  
Luminaire Lumens: 543.0 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1305678

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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   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  |  | 94  | 91  | 89  |  | 91  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  |  | 82  | 78  | 75  |  | 81  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  |  | 77  | 73  | 69  |  | 76  |
| 6   | 86  | 76  | 70  | 65  | 84  | 75  | 69  | 65  | 74  | 69  | 65  |  | 72  | 68  | 64  |  | 71  |
| 7   | 81  | 71  | 65  | 60  | 80  | 70  | 64  | 60  | 69  | 64  | 60  |  | 68  | 63  | 59  |  | 67  |
| 8   | 77  | 67  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 56  |  | 64  | 59  | 55  |  | 63  |
| 9   | 73  | 62  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 59  |
| 10  | 69  | 59  | 53  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  |  | 57  | 52  | 48  |  | 56  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 87713 | 87713 | 87713 |
| 5°  | 84297 | 83847 | 83536 |
| 10° | 80882 | 80410 | 79867 |
| 15° | 78843 | 77970 | 77898 |
| 20° | 75546 | 74978 | 74483 |
| 25° | 69930 | 70443 | 69094 |
| 30° | 64234 | 65387 | 62921 |
| 35° | 52982 | 55484 | 50942 |
| 40° | 33723 | 36309 | 33723 |
| 45° | 2363  | 15685 | 2582  |
| 50° | 1072  | 3188  | 1072  |
| 55° | 1201  | 1201  | 1201  |
| 60° | 1206  | 1206  | 1206  |
| 65° | 1060  | 1263  | 1060  |
| 70° | 1108  | 1309  | 1108  |
| 75° | 1198  | 1198  | 1198  |
| 80° | 1289  | 1289  | 1289  |
| 85° | 790   | 1778  | 790   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 15685 cd/sqm

TEST NUMBER: P1305678

CATALOG NUMBER: P3SQASS05R709024DE010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.4   | 8.4       |
| 10°-20°   | 123.0  | 22.7      |
| 20°-30°   | 169.1  | 31.1      |
| 30°-40°   | 154.9  | 28.5      |
| 40°-50°   | 41.1   | 7.6       |
| 50°-60°   | 3.7    | 0.7       |
| 60°-70°   | 3.0    | 0.5       |
| 70°-80°   | 2.0    | 0.4       |
| 80°-90°   | 0.7    | 0.1       |
| 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°    | 337.6  | 62.2      |
| 0°-40°    | 492.5  | 90.7      |
| 0°-60°    | 537.3  | 98.9      |
| 0°-90°    | 543.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 543.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 509 | 509   | 509 | 509   | 509 |      |
| 5°  | 488 | 485   | 485 | 484   | 483 | 46   |
| 15° | 442 | 438   | 437 | 437   | 437 | 124  |
| 25° | 368 | 369   | 371 | 366   | 364 | 169  |
| 35° | 252 | 256   | 264 | 252   | 242 | 153  |
| 45° | 10  | 33    | 64  | 34    | 11  | 29   |
| 55° | 4   | 4     | 4   | 4     | 4   | 3    |
| 65° | 3   | 3     | 3   | 3     | 3   | 3    |
| 75° | 2   | 2     | 2   | 2     | 2   | 2    |
| 85° | 0   | 1     | 1   | 1     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1305678

CATALOG NUMBER: P3SQASS05R709024DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 509.3 | 509.3 | 509.3 | 509.3 | 509.3 |
| 1°    | 509.3 | 508.4 | 509.3 | 509.3 | 508.4 |
| 2°    | 505.3 | 504.4 | 504.8 | 504.4 | 504.0 |
| 3°    | 499.5 | 498.2 | 498.7 | 497.8 | 496.9 |
| 4°    | 492.9 | 491.6 | 491.6 | 491.2 | 490.3 |
| 5°    | 487.6 | 485.4 | 485.0 | 484.1 | 483.2 |
| 6°    | 481.5 | 479.2 | 478.8 | 477.5 | 476.6 |
| 7°    | 475.3 | 473.5 | 473.1 | 471.3 | 471.3 |
| 8°    | 470.4 | 468.2 | 468.2 | 466.0 | 466.0 |
| 9°    | 466.5 | 463.8 | 463.8 | 462.0 | 461.2 |
| 10°   | 462.5 | 459.8 | 459.8 | 457.6 | 456.7 |
| 11°   | 458.5 | 456.3 | 455.4 | 454.1 | 453.7 |
| 12°   | 455.0 | 451.9 | 451.0 | 450.6 | 449.7 |
| 13°   | 450.6 | 447.5 | 446.6 | 446.2 | 445.7 |
| 14°   | 446.6 | 442.6 | 442.2 | 441.3 | 441.7 |
| 15°   | 442.2 | 438.2 | 437.3 | 437.3 | 436.9 |
| 17.5° | 428.5 | 425.9 | 424.5 | 423.6 | 422.8 |
| 20°   | 412.2 | 410.0 | 409.1 | 407.3 | 406.4 |
| 22.5° | 391.0 | 390.5 | 390.1 | 387.9 | 384.4 |
| 25°   | 368.0 | 369.4 | 370.7 | 366.3 | 363.6 |
| 27.5° | 346.0 | 349.5 | 350.8 | 346.4 | 340.7 |
| 30°   | 323.0 | 326.1 | 328.8 | 322.6 | 316.4 |
| 32.5° | 289.9 | 297.4 | 301.4 | 294.3 | 280.2 |
| 35°   | 252.0 | 256.0 | 263.9 | 252.0 | 242.3 |
| 37.5° | 207.9 | 210.1 | 216.2 | 208.3 | 201.7 |
| 40°   | 150.0 | 156.7 | 161.5 | 156.7 | 150.0 |
| 42.5° | 67.5  | 94.4  | 106.8 | 99.7  | 70.6  |
| 45°   | 9.7   | 33.1  | 64.4  | 33.5  | 10.6  |
| 47.5° | 4.0   | 5.3   | 33.5  | 4.9   | 4.0   |
| 50°   | 4.0   | 4.0   | 11.9  | 4.0   | 4.0   |
| 52.5° | 4.0   | 4.0   | 4.4   | 4.0   | 4.0   |
| 55°   | 4.0   | 4.0   | 4.0   | 4.0   | 4.0   |
| 57.5° | 3.5   | 3.5   | 4.0   | 3.5   | 3.5   |
| 60°   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 62.5° | 3.1   | 3.5   | 3.5   | 3.5   | 3.1   |
| 65°   | 2.6   | 3.1   | 3.1   | 3.1   | 2.6   |
| 67.5° | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   |
| 70°   | 2.2   | 2.6   | 2.6   | 2.6   | 2.2   |
| 72.5° | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   |
| 75°   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   |
| 77.5° | 1.3   | 1.8   | 1.8   | 1.8   | 1.3   |
| 80°   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 82.5° | 0.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 85°   | 0.4   | 0.9   | 0.9   | 0.9   | 0.4   |
| 87.5° | 0.4   | 0.4   | 0.4   | 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)