

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: P1315114

Luminaire Tested: P3SQAS05R709740DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315114  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R709740DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

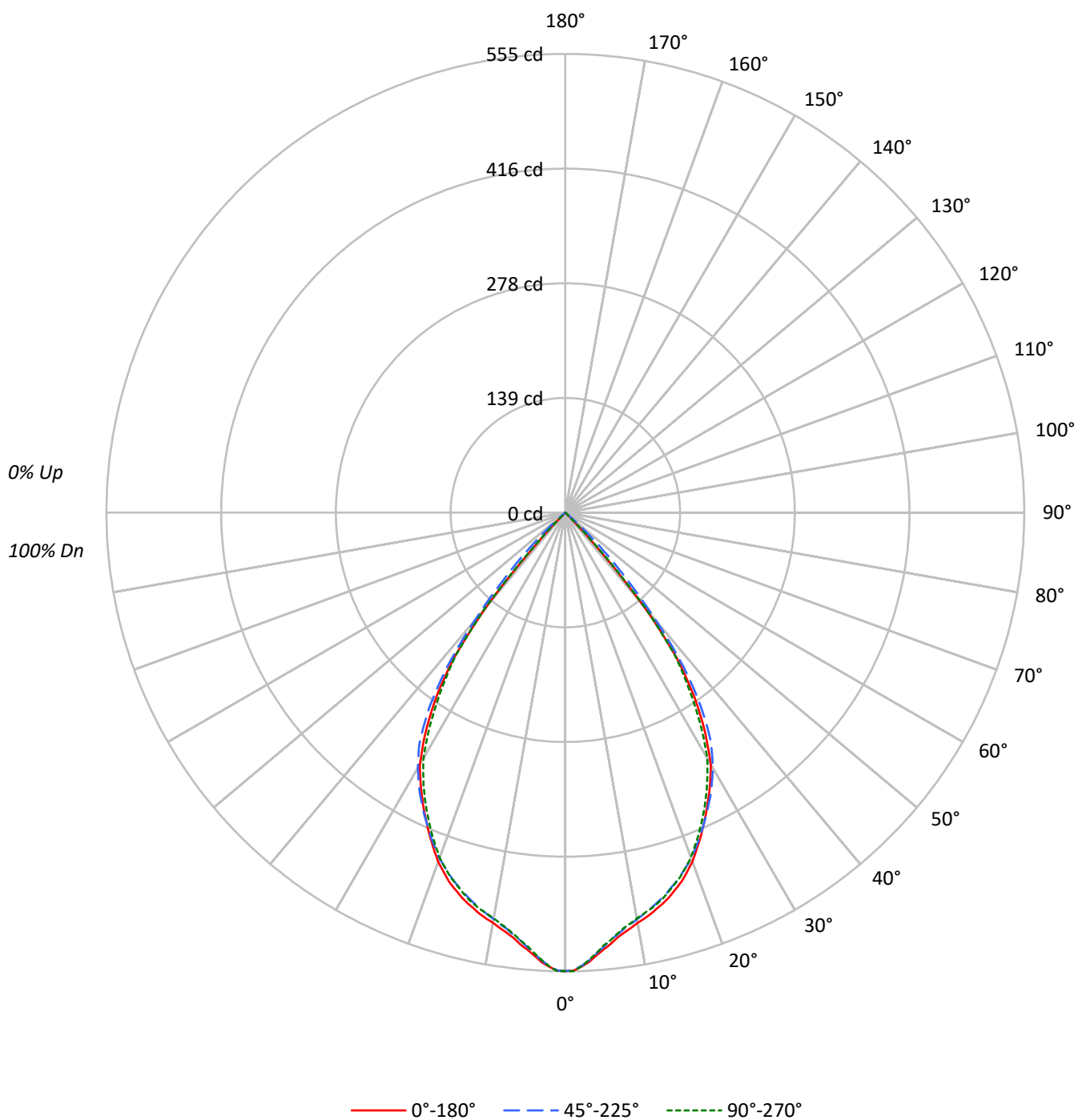
Lumens per Lamp: N/A  
Luminaire Lumens: 574.0 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1315114

CATALOG NUMBER: P3SQAS05R709740DE010 E3SQCD1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1315114

CATALOG NUMBER: P3SQAS05R709740DE010 E3SQCD1MMS

**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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 93  |    |    |
| 2   | 108 | 103 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 92  | 95  | 92  | 90  | 92  | 90  | 88  | 86  |    |    |
| 3   | 102 | 95  | 90  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 84  | 89  | 86  | 83  | 87  | 84  | 81  | 80  |    |    |
| 4   | 96  | 89  | 83  | 79  | 95  | 88  | 82  | 78  | 85  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |
| 5   | 91  | 83  | 77  | 72  | 90  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 71  | 77  | 73  | 70  | 68  |    |    |
| 6   | 86  | 77  | 71  | 67  | 85  | 76  | 71  | 66  | 75  | 70  | 66  | 73  | 69  | 65  | 72  | 68  | 65  | 63  |    |    |
| 7   | 82  | 72  | 66  | 62  | 80  | 71  | 66  | 61  | 70  | 65  | 61  | 69  | 64  | 61  | 68  | 64  | 60  | 59  |    |    |
| 8   | 78  | 68  | 61  | 57  | 76  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 56  | 55  |    |    |
| 9   | 74  | 63  | 57  | 53  | 72  | 63  | 57  | 53  | 62  | 57  | 53  | 61  | 56  | 53  | 60  | 56  | 53  | 51  |    |    |
| 10  | 70  | 60  | 54  | 50  | 69  | 59  | 53  | 50  | 58  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 48  |    |    |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 95549 | 95549 | 95549 |
| 5°  | 91730 | 91212 | 90970 |
| 10° | 88122 | 87352 | 87177 |
| 15° | 86029 | 84816 | 84995 |
| 20° | 82382 | 81576 | 81393 |
| 25° | 76467 | 76657 | 75460 |
| 30° | 69981 | 70955 | 68251 |
| 35° | 57250 | 60004 | 55000 |
| 40° | 32959 | 38422 | 33836 |
| 45° | 463   | 15953 | 1656  |
| 50° | 0     | 1688  | 0     |
| 55° | 0     | 0     | 0     |
| 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: 45°

Vertical Angle: 45°

Luminance: 15953 cd/sqm

TEST NUMBER: P1315114

CATALOG NUMBER: P3SQAS05R709740DE010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.5   | 8.6       |
| 10°-20°   | 134.1  | 23.4      |
| 20°-30°   | 184.3  | 32.1      |
| 30°-40°   | 167.1  | 29.1      |
| 40°-50°   | 38.8   | 6.8       |
| 50°-60°   | 0.2    | 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°    | 367.9  | 64.1      |
| 0°-40°    | 535.0  | 93.2      |
| 0°-60°    | 574.0  | 100.0     |
| 0°-90°    | 574.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 574.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 555 | 555   | 555 | 555   | 555 |      |
| 5°  | 531 | 529   | 528 | 527   | 526 | 50   |
| 15° | 482 | 479   | 476 | 476   | 477 | 135  |
| 25° | 402 | 404   | 403 | 400   | 397 | 185  |
| 35° | 272 | 276   | 285 | 273   | 262 | 164  |
| 45° | 2   | 22    | 66  | 28    | 7   | 23   |
| 55° | 0   | 0     | 0   | 0     | 0   | 0    |
| 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   |      |

TEST NUMBER: P1315114

CATALOG NUMBER: P3SQAS05R709740DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 554.8 | 554.8 | 554.8 | 554.8 | 554.8 |
| 1°    | 554.3 | 553.4 | 553.8 | 554.3 | 554.8 |
| 2°    | 550.0 | 549.0 | 549.0 | 549.5 | 549.5 |
| 3°    | 544.6 | 542.7 | 542.7 | 542.2 | 542.2 |
| 4°    | 537.3 | 535.9 | 534.9 | 534.4 | 534.4 |
| 5°    | 530.6 | 529.1 | 527.6 | 526.7 | 526.2 |
| 6°    | 524.7 | 522.3 | 520.4 | 519.9 | 520.4 |
| 7°    | 517.9 | 516.5 | 514.5 | 513.1 | 513.6 |
| 8°    | 513.1 | 511.1 | 508.7 | 507.7 | 507.7 |
| 9°    | 508.7 | 506.8 | 504.3 | 502.4 | 503.4 |
| 10°   | 503.9 | 501.9 | 499.5 | 498.0 | 498.5 |
| 11°   | 500.5 | 498.0 | 495.1 | 494.1 | 494.6 |
| 12°   | 496.6 | 493.7 | 490.7 | 490.3 | 491.2 |
| 13°   | 491.7 | 488.8 | 485.9 | 485.9 | 486.9 |
| 14°   | 487.3 | 484.0 | 481.0 | 481.0 | 482.5 |
| 15°   | 482.5 | 479.1 | 475.7 | 475.7 | 476.7 |
| 17.5° | 467.9 | 465.0 | 461.6 | 461.6 | 462.1 |
| 20°   | 449.5 | 448.0 | 445.1 | 443.7 | 444.1 |
| 22.5° | 426.2 | 426.2 | 424.7 | 422.3 | 421.3 |
| 25°   | 402.4 | 404.3 | 403.4 | 399.5 | 397.1 |
| 27.5° | 377.6 | 381.0 | 381.5 | 375.7 | 371.3 |
| 30°   | 351.9 | 354.8 | 356.8 | 350.0 | 343.2 |
| 32.5° | 314.1 | 322.8 | 327.6 | 318.4 | 304.4 |
| 35°   | 272.3 | 276.2 | 285.4 | 273.3 | 261.6 |
| 37.5° | 221.3 | 226.2 | 234.0 | 224.3 | 217.5 |
| 40°   | 146.6 | 166.0 | 170.9 | 166.0 | 150.5 |
| 42.5° | 52.9  | 93.2  | 112.1 | 95.1  | 62.1  |
| 45°   | 1.9   | 21.8  | 65.5  | 28.2  | 6.8   |
| 47.5° | 0.0   | 0.5   | 29.6  | 1.0   | 0.0   |
| 50°   | 0.0   | 0.0   | 6.3   | 0.0   | 0.0   |
| 52.5° | 0.0   | 0.0   | 0.5   | 0.0   | 0.0   |
| 55°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1315114

CATALOG NUMBER: P3SQAS05R709740DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)