

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: P1308096

Luminaire Tested: P3SQAS13R709030DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R709030DE010 E3SQCLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLDWW1MW TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

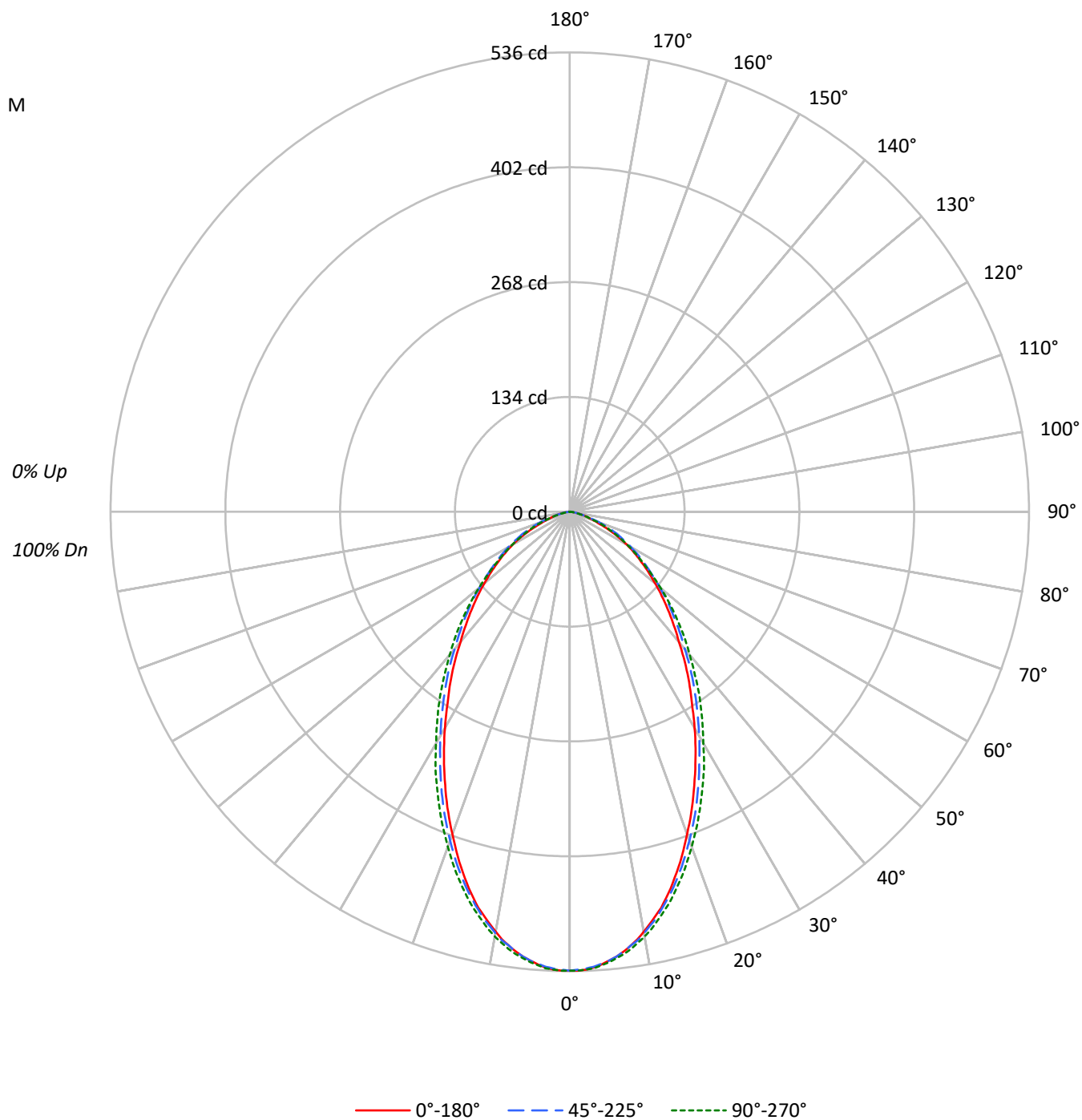
Lumens per Lamp: N/A  
Luminaire Lumens: 804.0 lumens  
Efficiency: N/A  
Efficacy: 55.1 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 94  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  |  | 88  | 84  | 81  |  | 85  |
| 3   | 95  | 87  | 80  | 75  | 93  | 85  | 79  | 74  | 82  | 77  | 73  |  | 80  | 75  | 71  |  | 77  |
| 4   | 89  | 78  | 71  | 65  | 87  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 67  | 63  |  | 71  |
| 5   | 83  | 71  | 64  | 58  | 81  | 70  | 63  | 58  | 68  | 62  | 57  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 64  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 52  | 47  | 70  | 59  | 52  | 47  | 58  | 51  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 42  |  | 53  | 47  | 42  |  | 51  |
| 9   | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  |  | 49  | 43  | 39  |  | 48  |
| 10  | 60  | 48  | 41  | 36  | 59  | 48  | 41  | 36  | 47  | 40  | 36  |  | 46  | 40  | 36  |  | 45  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 92225 | 92225 | 92225 |
| 5°  | 90883 | 90883 | 91229 |
| 10° | 87020 | 87352 | 88034 |
| 15° | 81090 | 81785 | 82819 |
| 20° | 73384 | 74813 | 76224 |
| 25° | 65559 | 67402 | 69246 |
| 30° | 57969 | 60097 | 62026 |
| 35° | 51069 | 53318 | 55568 |
| 40° | 44559 | 46965 | 48943 |
| 45° | 39530 | 41649 | 43086 |
| 50° | 34885 | 36707 | 37242 |
| 55° | 30627 | 32398 | 31527 |
| 60° | 26453 | 28451 | 27108 |
| 65° | 20987 | 24573 | 22169 |
| 70° | 15157 | 19084 | 16617 |
| 75° | 11645 | 12310 | 10314 |
| 80° | 7736  | 7736  | 5752  |
| 85° | 3754  | 3754  | 3754  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43086 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 49.4   | 6.1       |
| 10°-20°   | 128.2  | 15.9      |
| 20°-30°   | 162.8  | 20.3      |
| 30°-40°   | 158.4  | 19.7      |
| 40°-50°   | 131.7  | 16.4      |
| 50°-60°   | 95.0   | 11.8      |
| 60°-70°   | 55.9   | 7.0       |
| 70°-80°   | 19.8   | 2.5       |
| 80°-90°   | 2.9    | 0.4       |
| 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°    | 340.3  | 42.3      |
| 0°-40°    | 498.7  | 62.0      |
| 0°-60°    | 725.4  | 90.2      |
| 0°-90°    | 804.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 804.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 536 | 536   | 536 | 536   | 536 |      |
| 5°  | 526 | 525   | 526 | 526   | 528 | 49   |
| 15° | 455 | 455   | 459 | 462   | 464 | 127  |
| 25° | 345 | 349   | 355 | 362   | 364 | 158  |
| 35° | 243 | 246   | 254 | 260   | 264 | 152  |
| 45° | 162 | 165   | 171 | 175   | 177 | 126  |
| 55° | 102 | 105   | 108 | 107   | 105 | 92   |
| 65° | 52  | 55    | 60  | 57    | 54  | 51   |
| 75° | 18  | 18    | 18  | 16    | 16  | 19   |
| 85° | 2   | 2     | 2   | 2     | 2   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1308096

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 535.5 | 535.5 | 535.5 | 535.5 | 535.5 |
| 1°    | 535.5 | 534.5 | 534.5 | 534.5 | 535.5 |
| 2°    | 534.5 | 533.5 | 533.5 | 533.5 | 534.5 |
| 3°    | 532.5 | 531.6 | 531.6 | 531.6 | 533.5 |
| 4°    | 529.6 | 527.7 | 528.7 | 528.7 | 530.6 |
| 5°    | 525.7 | 524.8 | 525.7 | 525.7 | 527.7 |
| 6°    | 521.8 | 520.9 | 521.8 | 521.8 | 523.8 |
| 7°    | 517.0 | 516.0 | 517.0 | 518.0 | 519.9 |
| 8°    | 511.2 | 510.2 | 511.2 | 512.1 | 515.0 |
| 9°    | 505.3 | 504.4 | 506.3 | 507.3 | 509.2 |
| 10°   | 497.6 | 497.6 | 499.5 | 500.5 | 503.4 |
| 11°   | 489.8 | 489.8 | 491.7 | 493.7 | 496.6 |
| 12°   | 482.0 | 482.0 | 484.9 | 486.9 | 488.8 |
| 13°   | 474.2 | 473.3 | 476.2 | 478.1 | 481.0 |
| 14°   | 464.5 | 463.5 | 467.4 | 470.3 | 473.3 |
| 15°   | 454.8 | 454.8 | 458.7 | 461.6 | 464.5 |
| 17.5° | 428.6 | 429.5 | 434.4 | 438.3 | 441.2 |
| 20°   | 400.4 | 403.3 | 408.2 | 413.0 | 415.9 |
| 22.5° | 373.2 | 375.1 | 381.9 | 387.7 | 390.7 |
| 25°   | 345.0 | 348.9 | 354.7 | 361.5 | 364.4 |
| 27.5° | 317.8 | 321.7 | 327.5 | 334.3 | 339.2 |
| 30°   | 291.5 | 294.5 | 302.2 | 309.0 | 311.9 |
| 32.5° | 265.3 | 269.2 | 277.0 | 283.8 | 287.6 |
| 35°   | 242.9 | 245.9 | 253.6 | 260.4 | 264.3 |
| 37.5° | 220.6 | 223.5 | 231.3 | 237.1 | 240.0 |
| 40°   | 198.2 | 203.1 | 208.9 | 214.8 | 217.7 |
| 42.5° | 179.8 | 183.7 | 189.5 | 194.4 | 197.3 |
| 45°   | 162.3 | 165.2 | 171.0 | 174.9 | 176.9 |
| 47.5° | 145.8 | 148.7 | 154.5 | 156.5 | 157.4 |
| 50°   | 130.2 | 133.1 | 137.0 | 138.0 | 139.0 |
| 52.5° | 115.6 | 117.6 | 121.5 | 121.5 | 120.5 |
| 55°   | 102.0 | 105.0 | 107.9 | 106.9 | 105.0 |
| 57.5° | 89.4  | 90.4  | 95.2  | 93.3  | 91.3  |
| 60°   | 76.8  | 78.7  | 82.6  | 80.7  | 78.7  |
| 62.5° | 64.1  | 66.1  | 70.9  | 69.0  | 66.1  |
| 65°   | 51.5  | 55.4  | 60.3  | 57.3  | 54.4  |
| 67.5° | 38.9  | 43.7  | 48.6  | 45.7  | 43.7  |
| 70°   | 30.1  | 34.0  | 37.9  | 35.0  | 33.0  |
| 72.5° | 23.3  | 25.3  | 27.2  | 25.3  | 23.3  |
| 75°   | 17.5  | 18.5  | 18.5  | 16.5  | 15.5  |
| 77.5° | 12.6  | 13.6  | 11.7  | 9.7   | 9.7   |
| 80°   | 7.8   | 8.7   | 7.8   | 5.8   | 5.8   |
| 82.5° | 3.9   | 4.9   | 3.9   | 3.9   | 3.9   |
| 85°   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   |
| 87.5° | 1.0   | 1.0   | 1.0   | 1.0   | 1.0   |



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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)