

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: P1318081

Luminaire Tested: P3SQAS13R709835DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R709835DE010 E3SQCLDWW1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MMS TR  
Light Source: -  
Ballast/Driver: -

**Summary**

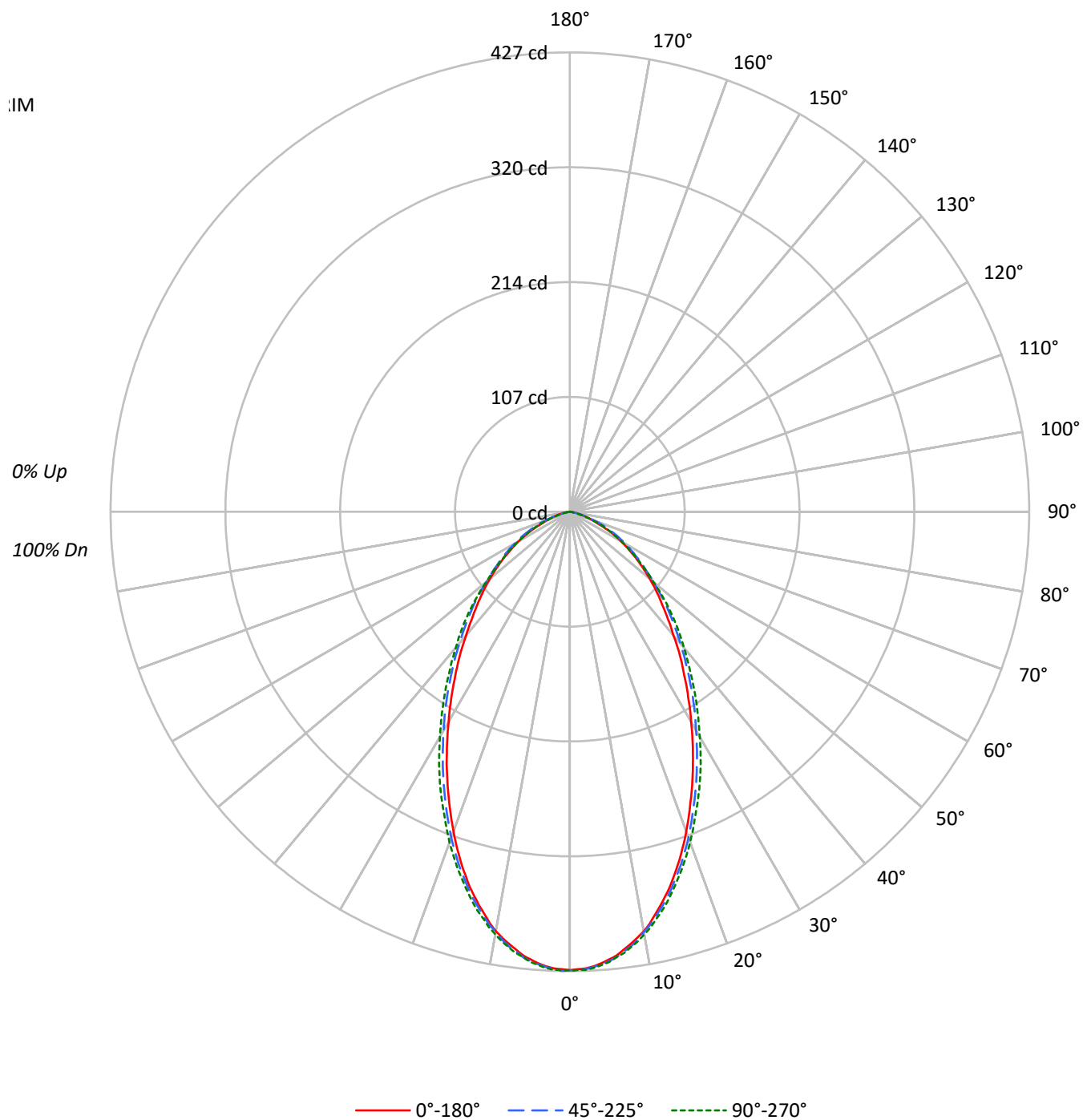
Lumens per Lamp: N/A  
Luminaire Lumens: 610.0 lumens  
Efficiency: N/A  
Efficacy: 42.1 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |  | 89  | 85  | 82  |  | 86  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |  | 81  | 76  | 72  |  | 78  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |  | 74  | 69  | 64  |  | 72  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  |  | 58  | 52  | 47  |  | 56  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 73384 | 73384 | 73384 |
| 5°  | 72229 | 72489 | 72610 |
| 10° | 69217 | 69357 | 69759 |
| 15° | 64241 | 64776 | 65311 |
| 20° | 57988 | 59088 | 59931 |
| 25° | 51345 | 52789 | 54082 |
| 30° | 44844 | 46654 | 48006 |
| 35° | 38979 | 41061 | 42322 |
| 40° | 33701 | 35904 | 37095 |
| 45° | 29495 | 31517 | 32442 |
| 50° | 25963 | 27168 | 27168 |
| 55° | 22490 | 23631 | 22940 |
| 60° | 19013 | 20322 | 19289 |
| 65° | 14793 | 16953 | 15404 |
| 70° | 10675 | 12589 | 10675 |
| 75° | 8052  | 7586  | 6055  |
| 80° | 5256  | 3769  | 1488  |
| 85° | 1581  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 32442 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.3   | 6.4       |
| 10°-20°   | 101.4  | 16.6      |
| 20°-30°   | 127.3  | 20.9      |
| 30°-40°   | 121.6  | 19.9      |
| 40°-50°   | 98.8   | 16.2      |
| 50°-60°   | 69.2   | 11.3      |
| 60°-70°   | 39.1   | 6.4       |
| 70°-80°   | 12.4   | 2.0       |
| 80°-90°   | 1.0    | 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       |
| 0°-30°    | 268.0  | 43.9      |
| 0°-40°    | 389.5  | 63.9      |
| 0°-60°    | 557.6  | 91.4      |
| 0°-90°    | 610.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 610.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 426 | 426   | 426 | 426   | 426 |      |
| 5°  | 418 | 418   | 419 | 418   | 420 | 39   |
| 15° | 360 | 361   | 363 | 364   | 366 | 100  |
| 25° | 270 | 273   | 278 | 282   | 285 | 124  |
| 35° | 185 | 188   | 195 | 199   | 201 | 116  |
| 45° | 121 | 124   | 129 | 132   | 133 | 94   |
| 55° | 75  | 76    | 79  | 77    | 76  | 67   |
| 65° | 36  | 39    | 42  | 39    | 38  | 36   |
| 75° | 12  | 12    | 11  | 10    | 9   | 13   |
| 85° | 1   | 1     | 0   | 0     | 0   | 2    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 426.1 | 426.1 | 426.1 | 426.1 | 426.1 |
| 1°    | 425.3 | 426.1 | 426.9 | 425.3 | 426.1 |
| 2°    | 424.6 | 425.3 | 425.3 | 424.6 | 426.1 |
| 3°    | 423.1 | 423.8 | 423.8 | 423.1 | 424.6 |
| 4°    | 420.8 | 421.6 | 421.6 | 420.8 | 422.3 |
| 5°    | 417.8 | 418.5 | 419.3 | 418.5 | 420.0 |
| 6°    | 414.7 | 415.5 | 416.3 | 415.5 | 416.3 |
| 7°    | 410.2 | 411.7 | 411.7 | 411.7 | 413.2 |
| 8°    | 405.7 | 407.2 | 407.9 | 407.2 | 408.7 |
| 9°    | 401.1 | 401.9 | 402.6 | 402.6 | 404.2 |
| 10°   | 395.8 | 396.6 | 396.6 | 397.3 | 398.9 |
| 11°   | 389.8 | 389.8 | 391.3 | 391.3 | 393.6 |
| 12°   | 382.2 | 383.0 | 384.5 | 385.2 | 386.7 |
| 13°   | 375.4 | 376.1 | 377.7 | 378.4 | 380.7 |
| 14°   | 367.8 | 369.3 | 370.9 | 371.6 | 373.9 |
| 15°   | 360.3 | 361.0 | 363.3 | 364.0 | 366.3 |
| 17.5° | 339.1 | 339.8 | 343.6 | 345.1 | 347.4 |
| 20°   | 316.4 | 318.6 | 322.4 | 324.7 | 327.0 |
| 22.5° | 292.9 | 295.2 | 299.7 | 303.5 | 305.0 |
| 25°   | 270.2 | 273.2 | 277.8 | 282.3 | 284.6 |
| 27.5° | 247.5 | 250.5 | 255.8 | 260.4 | 263.4 |
| 30°   | 225.5 | 228.6 | 234.6 | 238.4 | 241.4 |
| 32.5° | 205.1 | 208.1 | 214.9 | 218.7 | 221.0 |
| 35°   | 185.4 | 188.5 | 195.3 | 199.0 | 201.3 |
| 37.5° | 168.0 | 171.0 | 177.1 | 180.9 | 182.4 |
| 40°   | 149.9 | 153.6 | 159.7 | 163.5 | 165.0 |
| 42.5° | 134.7 | 137.7 | 143.8 | 146.8 | 149.1 |
| 45°   | 121.1 | 124.1 | 129.4 | 131.7 | 133.2 |
| 47.5° | 109.0 | 110.5 | 115.0 | 115.8 | 117.3 |
| 50°   | 96.9  | 98.4  | 101.4 | 102.2 | 101.4 |
| 52.5° | 85.5  | 87.0  | 89.3  | 88.6  | 88.6  |
| 55°   | 74.9  | 75.7  | 78.7  | 77.2  | 76.4  |
| 57.5° | 64.3  | 65.8  | 68.9  | 66.6  | 65.8  |
| 60°   | 55.2  | 56.8  | 59.0  | 57.5  | 56.0  |
| 62.5° | 46.2  | 46.9  | 50.7  | 47.7  | 46.2  |
| 65°   | 36.3  | 38.6  | 41.6  | 39.4  | 37.8  |
| 67.5° | 27.2  | 31.0  | 34.1  | 31.0  | 29.5  |
| 70°   | 21.2  | 22.7  | 25.0  | 23.5  | 21.2  |
| 72.5° | 15.9  | 16.7  | 17.4  | 15.9  | 14.4  |
| 75°   | 12.1  | 12.1  | 11.4  | 9.8   | 9.1   |
| 77.5° | 8.3   | 8.3   | 6.8   | 4.5   | 4.5   |
| 80°   | 5.3   | 5.3   | 3.8   | 1.5   | 1.5   |
| 82.5° | 2.3   | 2.3   | 1.5   | 0.8   | 0.8   |
| 85°   | 0.8   | 0.8   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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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)