

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: P1313331

Luminaire Tested: P3SQAS09R709730DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313331  
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: P3SQAS09R709730DE010 E3SQCLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLDWW1MW TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

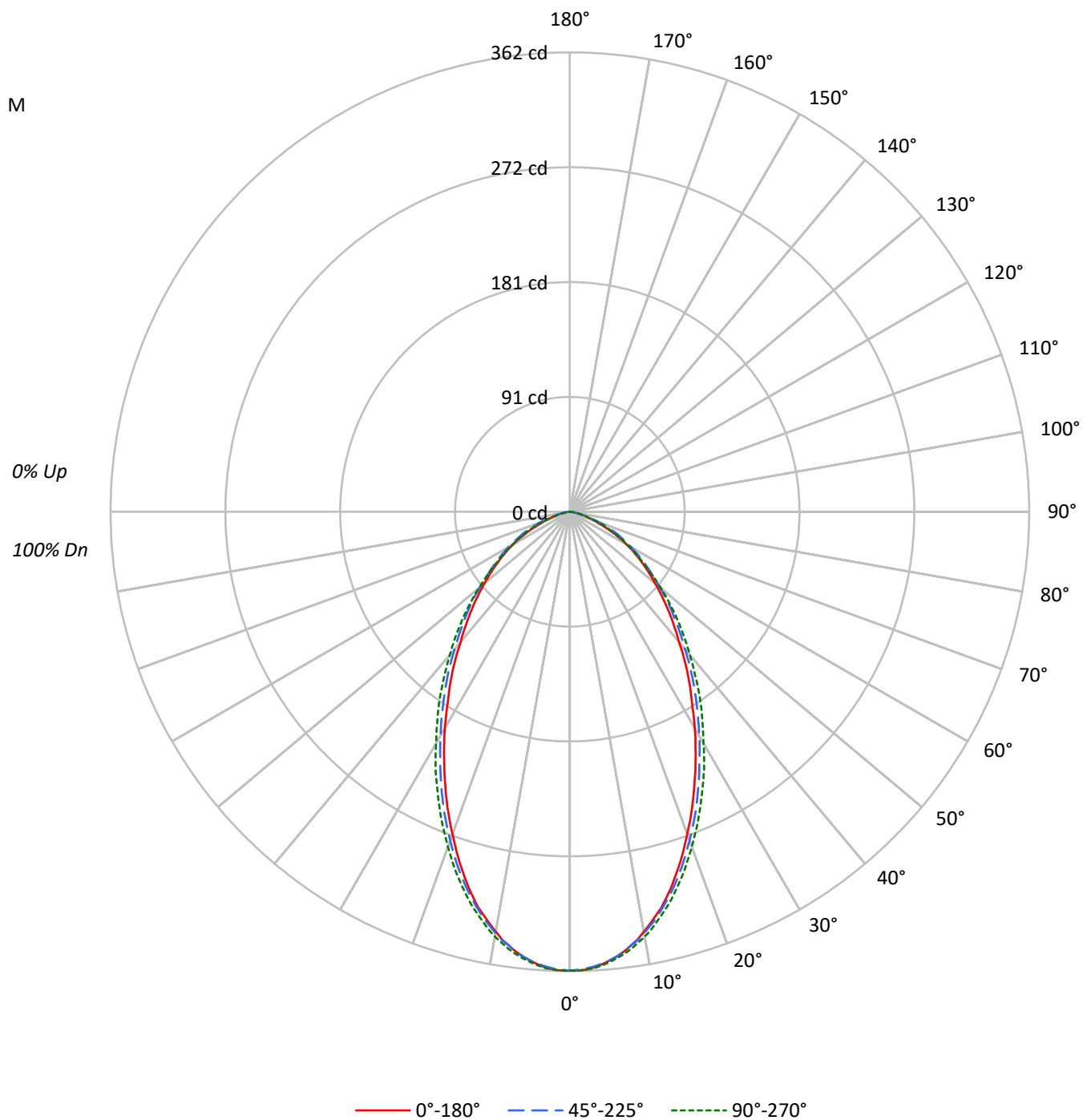
Lumens per Lamp: N/A  
Luminaire Lumens: 543.0 lumens  
Efficiency: N/A  
Efficacy: 48.9 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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°  | 62276 | 62276 | 62276 |
| 5°  | 61390 | 61390 | 61615 |
| 10° | 58759 | 58987 | 59459 |
| 15° | 54773 | 55237 | 55932 |
| 20° | 49558 | 50529 | 51482 |
| 25° | 44276 | 45530 | 46766 |
| 30° | 39157 | 40588 | 41901 |
| 35° | 34501 | 36015 | 37529 |
| 40° | 30103 | 31722 | 33049 |
| 45° | 26694 | 28131 | 29105 |
| 50° | 23551 | 24784 | 25159 |
| 55° | 20688 | 21889 | 21289 |
| 60° | 17842 | 19220 | 18324 |
| 65° | 14181 | 16586 | 14996 |
| 70° | 10222 | 12891 | 11229 |
| 75° | 7852  | 8318  | 6987  |
| 80° | 5256  | 5256  | 3868  |
| 85° | 2569  | 2569  | 2569  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 29105 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.3   | 6.1       |
| 10°-20°   | 86.6   | 15.9      |
| 20°-30°   | 110.0  | 20.3      |
| 30°-40°   | 107.0  | 19.7      |
| 40°-50°   | 88.9   | 16.4      |
| 50°-60°   | 64.1   | 11.8      |
| 60°-70°   | 37.7   | 6.9       |
| 70°-80°   | 13.4   | 2.5       |
| 80°-90°   | 2.0    | 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°    | 229.9  | 42.3      |
| 0°-40°    | 336.8  | 62.0      |
| 0°-60°    | 489.9  | 90.2      |
| 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°  | 362 | 362   | 362 | 362   | 362 |      |
| 5°  | 355 | 354   | 355 | 355   | 356 | 33   |
| 15° | 307 | 307   | 310 | 312   | 314 | 86   |
| 25° | 233 | 236   | 240 | 244   | 246 | 107  |
| 35° | 164 | 166   | 171 | 176   | 178 | 103  |
| 45° | 110 | 112   | 116 | 118   | 120 | 85   |
| 55° | 69  | 71    | 73  | 72    | 71  | 62   |
| 65° | 35  | 37    | 41  | 39    | 37  | 35   |
| 75° | 12  | 12    | 12  | 11    | 10  | 13   |
| 85° | 1   | 1     | 1   | 1     | 1   | 2    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 361.6 | 361.6 | 361.6 | 361.6 | 361.6 |
| 1°    | 361.6 | 361.0 | 361.0 | 361.0 | 361.6 |
| 2°    | 361.0 | 360.3 | 360.3 | 360.3 | 361.0 |
| 3°    | 359.7 | 359.0 | 359.0 | 359.0 | 360.3 |
| 4°    | 357.7 | 356.4 | 357.0 | 357.0 | 358.4 |
| 5°    | 355.1 | 354.4 | 355.1 | 355.1 | 356.4 |
| 6°    | 352.4 | 351.8 | 352.4 | 352.4 | 353.8 |
| 7°    | 349.2 | 348.5 | 349.2 | 349.8 | 351.1 |
| 8°    | 345.2 | 344.6 | 345.2 | 345.9 | 347.8 |
| 9°    | 341.3 | 340.6 | 341.9 | 342.6 | 343.9 |
| 10°   | 336.0 | 336.0 | 337.3 | 338.0 | 340.0 |
| 11°   | 330.8 | 330.8 | 332.1 | 333.4 | 335.4 |
| 12°   | 325.5 | 325.5 | 327.5 | 328.8 | 330.1 |
| 13°   | 320.3 | 319.6 | 321.6 | 322.9 | 324.9 |
| 14°   | 313.7 | 313.1 | 315.7 | 317.7 | 319.6 |
| 15°   | 307.2 | 307.2 | 309.8 | 311.8 | 313.7 |
| 17.5° | 289.4 | 290.1 | 293.4 | 296.0 | 298.0 |
| 20°   | 270.4 | 272.4 | 275.7 | 278.9 | 280.9 |
| 22.5° | 252.0 | 253.3 | 257.9 | 261.9 | 263.8 |
| 25°   | 233.0 | 235.6 | 239.6 | 244.2 | 246.1 |
| 27.5° | 214.6 | 217.2 | 221.2 | 225.8 | 229.1 |
| 30°   | 196.9 | 198.9 | 204.1 | 208.7 | 210.7 |
| 32.5° | 179.2 | 181.8 | 187.1 | 191.6 | 194.3 |
| 35°   | 164.1 | 166.0 | 171.3 | 175.9 | 178.5 |
| 37.5° | 149.0 | 151.0 | 156.2 | 160.1 | 162.1 |
| 40°   | 133.9 | 137.2 | 141.1 | 145.0 | 147.0 |
| 42.5° | 121.4 | 124.0 | 128.0 | 131.3 | 133.2 |
| 45°   | 109.6 | 111.6 | 115.5 | 118.1 | 119.5 |
| 47.5° | 98.4  | 100.4 | 104.4 | 105.7 | 106.3 |
| 50°   | 87.9  | 89.9  | 92.5  | 93.2  | 93.9  |
| 52.5° | 78.1  | 79.4  | 82.0  | 82.0  | 81.4  |
| 55°   | 68.9  | 70.9  | 72.9  | 72.2  | 70.9  |
| 57.5° | 60.4  | 61.0  | 64.3  | 63.0  | 61.7  |
| 60°   | 51.8  | 53.2  | 55.8  | 54.5  | 53.2  |
| 62.5° | 43.3  | 44.6  | 47.9  | 46.6  | 44.6  |
| 65°   | 34.8  | 37.4  | 40.7  | 38.7  | 36.8  |
| 67.5° | 26.3  | 29.5  | 32.8  | 30.8  | 29.5  |
| 70°   | 20.3  | 23.0  | 25.6  | 23.6  | 22.3  |
| 72.5° | 15.8  | 17.1  | 18.4  | 17.1  | 15.8  |
| 75°   | 11.8  | 12.5  | 12.5  | 11.2  | 10.5  |
| 77.5° | 8.5   | 9.2   | 7.9   | 6.6   | 6.6   |
| 80°   | 5.3   | 5.9   | 5.3   | 3.9   | 3.9   |
| 82.5° | 2.6   | 3.3   | 2.6   | 2.6   | 2.6   |
| 85°   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   |
| 87.5° | 0.7   | 0.7   | 0.7   | 0.7   | 0.7   |



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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)