

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: P1314772

Luminaire Tested: P3SQAS20R709735D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314772  
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: P3SQAS20R709735D010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

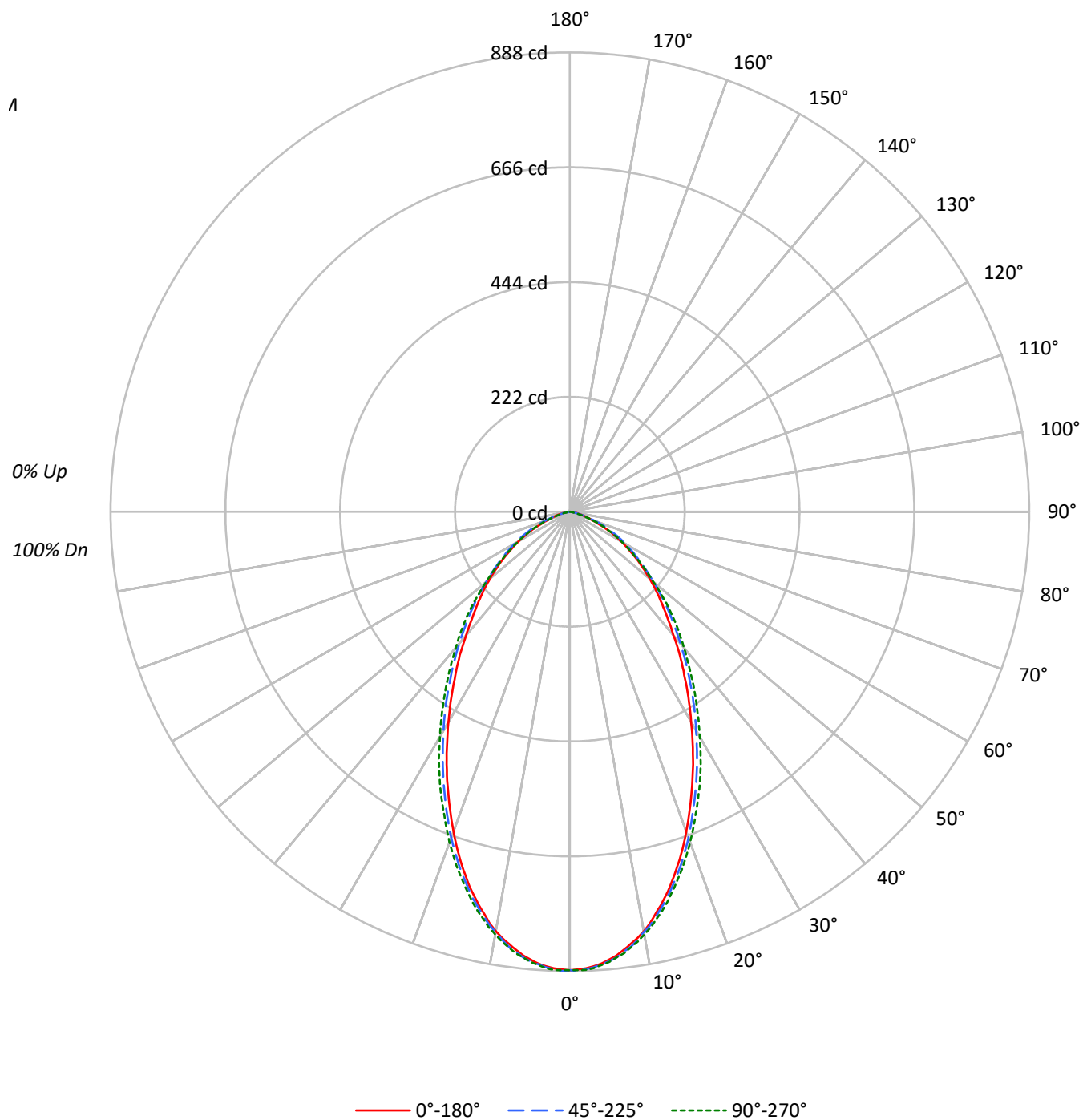
Lumens per Lamp: N/A  
Luminaire Lumens: 1269.0 lumens  
Efficiency: N/A  
Efficacy: 44.1 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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°  | 152658 | 152658 | 152658 |
| 5°  | 150250 | 150804 | 151063 |
| 10° | 143996 | 144276 | 145097 |
| 15° | 133617 | 134740 | 135863 |
| 20° | 120614 | 122923 | 124664 |
| 25° | 106814 | 109797 | 112496 |
| 30° | 93308  | 97066  | 99890  |
| 35° | 81092  | 85402  | 88051  |
| 40° | 70077  | 74685  | 77158  |
| 45° | 61353  | 65566  | 67490  |
| 50° | 53988  | 56533  | 56533  |
| 55° | 46811  | 49153  | 47742  |
| 60° | 39577  | 42298  | 40128  |
| 65° | 30808  | 35291  | 32071  |
| 70° | 22206  | 26184  | 22206  |
| 75° | 16769  | 15704  | 12576  |
| 80° | 10910  | 7835   | 3075   |
| 85° | 3162   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 67490 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.7   | 6.4       |
| 10°-20°   | 210.9  | 16.6      |
| 20°-30°   | 264.8  | 20.9      |
| 30°-40°   | 252.9  | 19.9      |
| 40°-50°   | 205.6  | 16.2      |
| 50°-60°   | 144.0  | 11.3      |
| 60°-70°   | 81.3   | 6.4       |
| 70°-80°   | 25.7   | 2.0       |
| 80°-90°   | 2.0    | 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°    | 557.5  | 43.9      |
| 0°-40°    | 810.4  | 63.9      |
| 0°-60°    | 1160.0 | 91.4      |
| 0°-90°    | 1269.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1269.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 886 | 886   | 886 | 886   | 886 |      |
| 5°  | 869 | 871   | 872 | 871   | 874 | 81   |
| 15° | 749 | 751   | 756 | 757   | 762 | 209  |
| 25° | 562 | 568   | 578 | 587   | 592 | 258  |
| 35° | 386 | 392   | 406 | 414   | 419 | 242  |
| 45° | 252 | 258   | 269 | 274   | 277 | 195  |
| 55° | 156 | 157   | 164 | 161   | 159 | 140  |
| 65° | 76  | 80    | 87  | 82    | 79  | 76   |
| 75° | 25  | 25    | 24  | 20    | 19  | 27   |
| 85° | 2   | 2     | 0   | 0     | 0   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 886.4 | 886.4 | 886.4 | 886.4 | 886.4 |
| 1°    | 884.9 | 886.4 | 888.0 | 884.9 | 886.4 |
| 2°    | 883.3 | 884.9 | 884.9 | 883.3 | 886.4 |
| 3°    | 880.1 | 881.7 | 881.7 | 880.1 | 883.3 |
| 4°    | 875.4 | 877.0 | 877.0 | 875.4 | 878.6 |
| 5°    | 869.1 | 870.7 | 872.3 | 870.7 | 873.8 |
| 6°    | 862.8 | 864.4 | 866.0 | 864.4 | 866.0 |
| 7°    | 853.4 | 856.5 | 856.5 | 856.5 | 859.7 |
| 8°    | 843.9 | 847.1 | 848.6 | 847.1 | 850.2 |
| 9°    | 834.5 | 836.0 | 837.6 | 837.6 | 840.8 |
| 10°   | 823.4 | 825.0 | 825.0 | 826.6 | 829.7 |
| 11°   | 810.9 | 810.9 | 814.0 | 814.0 | 818.7 |
| 12°   | 795.1 | 796.7 | 799.8 | 801.4 | 804.6 |
| 13°   | 780.9 | 782.5 | 785.7 | 787.2 | 792.0 |
| 14°   | 765.2 | 768.3 | 771.5 | 773.1 | 777.8 |
| 15°   | 749.4 | 751.0 | 755.7 | 757.3 | 762.0 |
| 17.5° | 705.4 | 706.9 | 714.8 | 718.0 | 722.7 |
| 20°   | 658.1 | 662.9 | 670.7 | 675.4 | 680.2 |
| 22.5° | 609.3 | 614.0 | 623.5 | 631.4 | 634.5 |
| 25°   | 562.1 | 568.4 | 577.8 | 587.3 | 592.0 |
| 27.5° | 514.9 | 521.2 | 532.2 | 541.6 | 547.9 |
| 30°   | 469.2 | 475.5 | 488.1 | 496.0 | 502.3 |
| 32.5° | 426.7 | 433.0 | 447.2 | 455.0 | 459.7 |
| 35°   | 385.7 | 392.0 | 406.2 | 414.1 | 418.8 |
| 37.5° | 349.5 | 355.8 | 368.4 | 376.3 | 379.4 |
| 40°   | 311.7 | 319.6 | 332.2 | 340.1 | 343.2 |
| 42.5° | 280.3 | 286.6 | 299.1 | 305.4 | 310.2 |
| 45°   | 251.9 | 258.2 | 269.2 | 274.0 | 277.1 |
| 47.5° | 226.7 | 229.9 | 239.3 | 240.9 | 244.0 |
| 50°   | 201.5 | 204.7 | 211.0 | 212.6 | 211.0 |
| 52.5° | 177.9 | 181.1 | 185.8 | 184.2 | 184.2 |
| 55°   | 155.9 | 157.4 | 163.7 | 160.6 | 159.0 |
| 57.5° | 133.8 | 137.0 | 143.3 | 138.6 | 137.0 |
| 60°   | 114.9 | 118.1 | 122.8 | 119.7 | 116.5 |
| 62.5° | 96.0  | 97.6  | 105.5 | 99.2  | 96.0  |
| 65°   | 75.6  | 80.3  | 86.6  | 81.9  | 78.7  |
| 67.5° | 56.7  | 64.6  | 70.9  | 64.6  | 61.4  |
| 70°   | 44.1  | 47.2  | 52.0  | 48.8  | 44.1  |
| 72.5° | 33.1  | 34.6  | 36.2  | 33.1  | 29.9  |
| 75°   | 25.2  | 25.2  | 23.6  | 20.5  | 18.9  |
| 77.5° | 17.3  | 17.3  | 14.2  | 9.4   | 9.4   |
| 80°   | 11.0  | 11.0  | 7.9   | 3.1   | 3.1   |
| 82.5° | 4.7   | 4.7   | 3.1   | 1.6   | 1.6   |
| 85°   | 1.6   | 1.6   | 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)