

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: P1315587

Luminaire Tested: P3SQAS17R709740DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315587  
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: P3SQAS17R709740DE010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

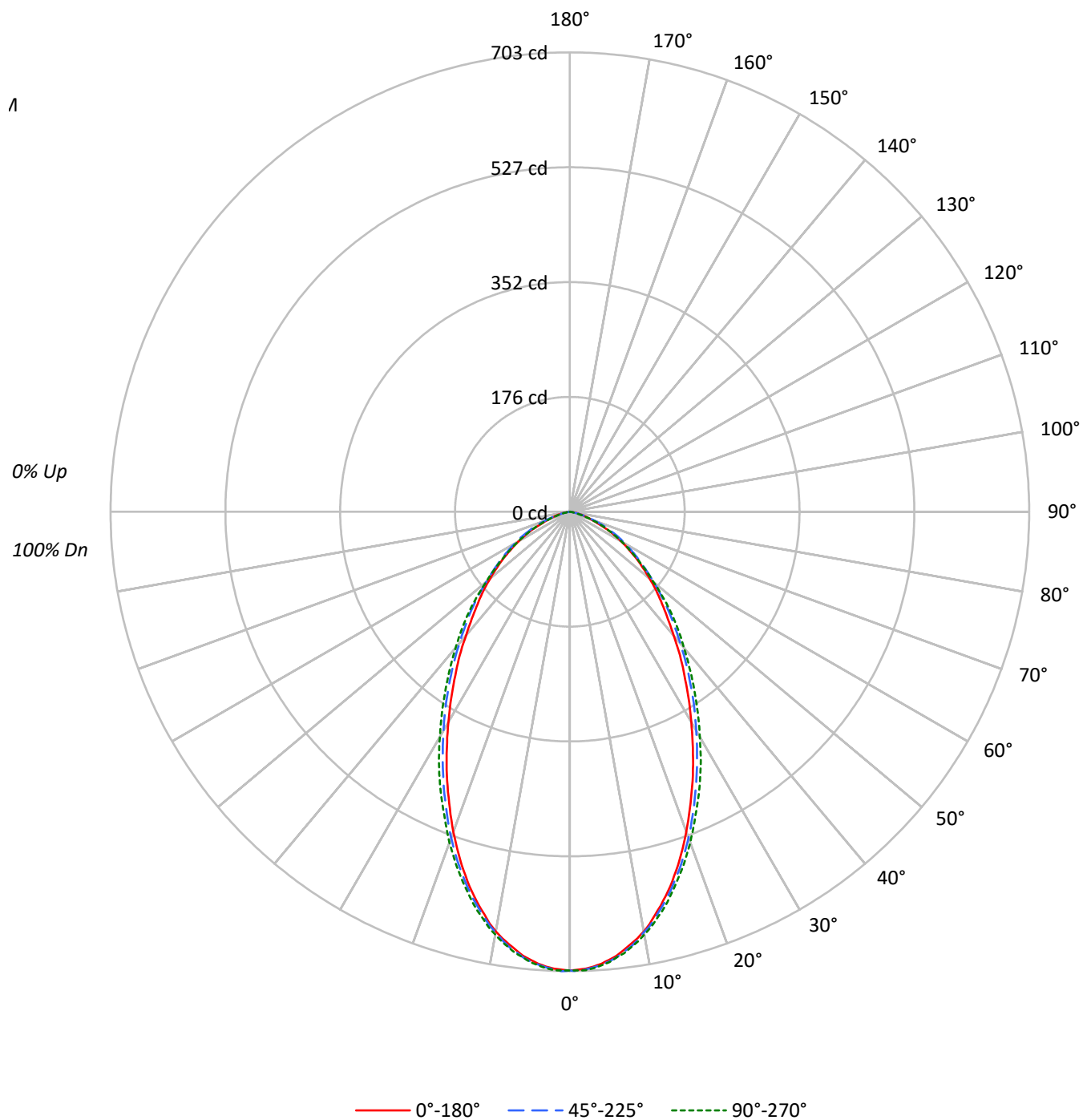
Lumens per Lamp: N/A  
Luminaire Lumens: 1005.0 lumens  
Efficiency: N/A  
Efficacy: 47.4 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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

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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°  | 120900 | 120900 | 120900 |
| 5°  | 118994 | 119426 | 119633 |
| 10° | 114039 | 114266 | 114913 |
| 15° | 105820 | 106711 | 107603 |
| 20° | 95523  | 97356  | 98731  |
| 25° | 84600  | 86956  | 89084  |
| 30° | 73898  | 76862  | 79109  |
| 35° | 64230  | 67636  | 69738  |
| 40° | 55508  | 59150  | 61106  |
| 45° | 48590  | 51927  | 53461  |
| 50° | 42762  | 44771  | 44771  |
| 55° | 37052  | 38944  | 37803  |
| 60° | 31345  | 33515  | 31792  |
| 65° | 24410  | 27955  | 25388  |
| 70° | 17574  | 20696  | 17574  |
| 75° | 13308  | 12443  | 9981   |
| 80° | 8629   | 6149   | 2479   |
| 85° | 2371   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 53461 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 64.7   | 6.4       |
| 10°-20°   | 167.1  | 16.6      |
| 20°-30°   | 209.7  | 20.9      |
| 30°-40°   | 200.3  | 19.9      |
| 40°-50°   | 162.9  | 16.2      |
| 50°-60°   | 114.0  | 11.3      |
| 60°-70°   | 64.4   | 6.4       |
| 70°-80°   | 20.4   | 2.0       |
| 80°-90°   | 1.6    | 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°    | 441.5  | 43.9      |
| 0°-40°    | 641.8  | 63.9      |
| 0°-60°    | 918.7  | 91.4      |
| 0°-90°    | 1005.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1005.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 702 | 702   | 702 | 702   | 702 |      |
| 5°  | 688 | 690   | 691 | 690   | 692 | 65   |
| 15° | 594 | 595   | 598 | 600   | 604 | 166  |
| 25° | 445 | 450   | 458 | 465   | 469 | 204  |
| 35° | 306 | 310   | 322 | 328   | 332 | 192  |
| 45° | 200 | 204   | 213 | 217   | 220 | 155  |
| 55° | 123 | 125   | 130 | 127   | 126 | 111  |
| 65° | 60  | 64    | 69  | 65    | 62  | 60   |
| 75° | 20  | 20    | 19  | 16    | 15  | 22   |
| 85° | 1   | 1     | 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°    | 702.0 | 702.0 | 702.0 | 702.0 | 702.0 |
| 1°    | 700.8 | 702.0 | 703.3 | 700.8 | 702.0 |
| 2°    | 699.5 | 700.8 | 700.8 | 699.5 | 702.0 |
| 3°    | 697.0 | 698.3 | 698.3 | 697.0 | 699.5 |
| 4°    | 693.3 | 694.5 | 694.5 | 693.3 | 695.8 |
| 5°    | 688.3 | 689.5 | 690.8 | 689.5 | 692.0 |
| 6°    | 683.3 | 684.6 | 685.8 | 684.6 | 685.8 |
| 7°    | 675.8 | 678.3 | 678.3 | 678.3 | 680.8 |
| 8°    | 668.4 | 670.8 | 672.1 | 670.8 | 673.3 |
| 9°    | 660.9 | 662.1 | 663.4 | 663.4 | 665.9 |
| 10°   | 652.1 | 653.4 | 653.4 | 654.6 | 657.1 |
| 11°   | 642.2 | 642.2 | 644.7 | 644.7 | 648.4 |
| 12°   | 629.7 | 630.9 | 633.4 | 634.7 | 637.2 |
| 13°   | 618.5 | 619.7 | 622.2 | 623.5 | 627.2 |
| 14°   | 606.0 | 608.5 | 611.0 | 612.2 | 616.0 |
| 15°   | 593.5 | 594.8 | 598.5 | 599.8 | 603.5 |
| 17.5° | 558.6 | 559.9 | 566.1 | 568.6 | 572.3 |
| 20°   | 521.2 | 525.0 | 531.2 | 534.9 | 538.7 |
| 22.5° | 482.6 | 486.3 | 493.8 | 500.0 | 502.5 |
| 25°   | 445.2 | 450.1 | 457.6 | 465.1 | 468.8 |
| 27.5° | 407.7 | 412.7 | 421.5 | 428.9 | 433.9 |
| 30°   | 371.6 | 376.6 | 386.5 | 392.8 | 397.8 |
| 32.5° | 337.9 | 342.9 | 354.1 | 360.4 | 364.1 |
| 35°   | 305.5 | 310.5 | 321.7 | 327.9 | 331.7 |
| 37.5° | 276.8 | 281.8 | 291.8 | 298.0 | 300.5 |
| 40°   | 246.9 | 253.1 | 263.1 | 269.3 | 271.8 |
| 42.5° | 222.0 | 226.9 | 236.9 | 241.9 | 245.6 |
| 45°   | 199.5 | 204.5 | 213.2 | 217.0 | 219.5 |
| 47.5° | 179.6 | 182.1 | 189.5 | 190.8 | 193.3 |
| 50°   | 159.6 | 162.1 | 167.1 | 168.3 | 167.1 |
| 52.5° | 140.9 | 143.4 | 147.1 | 145.9 | 145.9 |
| 55°   | 123.4 | 124.7 | 129.7 | 127.2 | 125.9 |
| 57.5° | 106.0 | 108.5 | 113.5 | 109.7 | 108.5 |
| 60°   | 91.0  | 93.5  | 97.3  | 94.8  | 92.3  |
| 62.5° | 76.1  | 77.3  | 83.5  | 78.6  | 76.1  |
| 65°   | 59.9  | 63.6  | 68.6  | 64.8  | 62.3  |
| 67.5° | 44.9  | 51.1  | 56.1  | 51.1  | 48.6  |
| 70°   | 34.9  | 37.4  | 41.1  | 38.7  | 34.9  |
| 72.5° | 26.2  | 27.4  | 28.7  | 26.2  | 23.7  |
| 75°   | 20.0  | 20.0  | 18.7  | 16.2  | 15.0  |
| 77.5° | 13.7  | 13.7  | 11.2  | 7.5   | 7.5   |
| 80°   | 8.7   | 8.7   | 6.2   | 2.5   | 2.5   |
| 82.5° | 3.7   | 3.7   | 2.5   | 1.2   | 1.2   |
| 85°   | 1.2   | 1.2   | 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)