

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: P1316620

Luminaire Tested: P3SQAS20R709827D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316620  
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: P3SQAS20R709827D010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

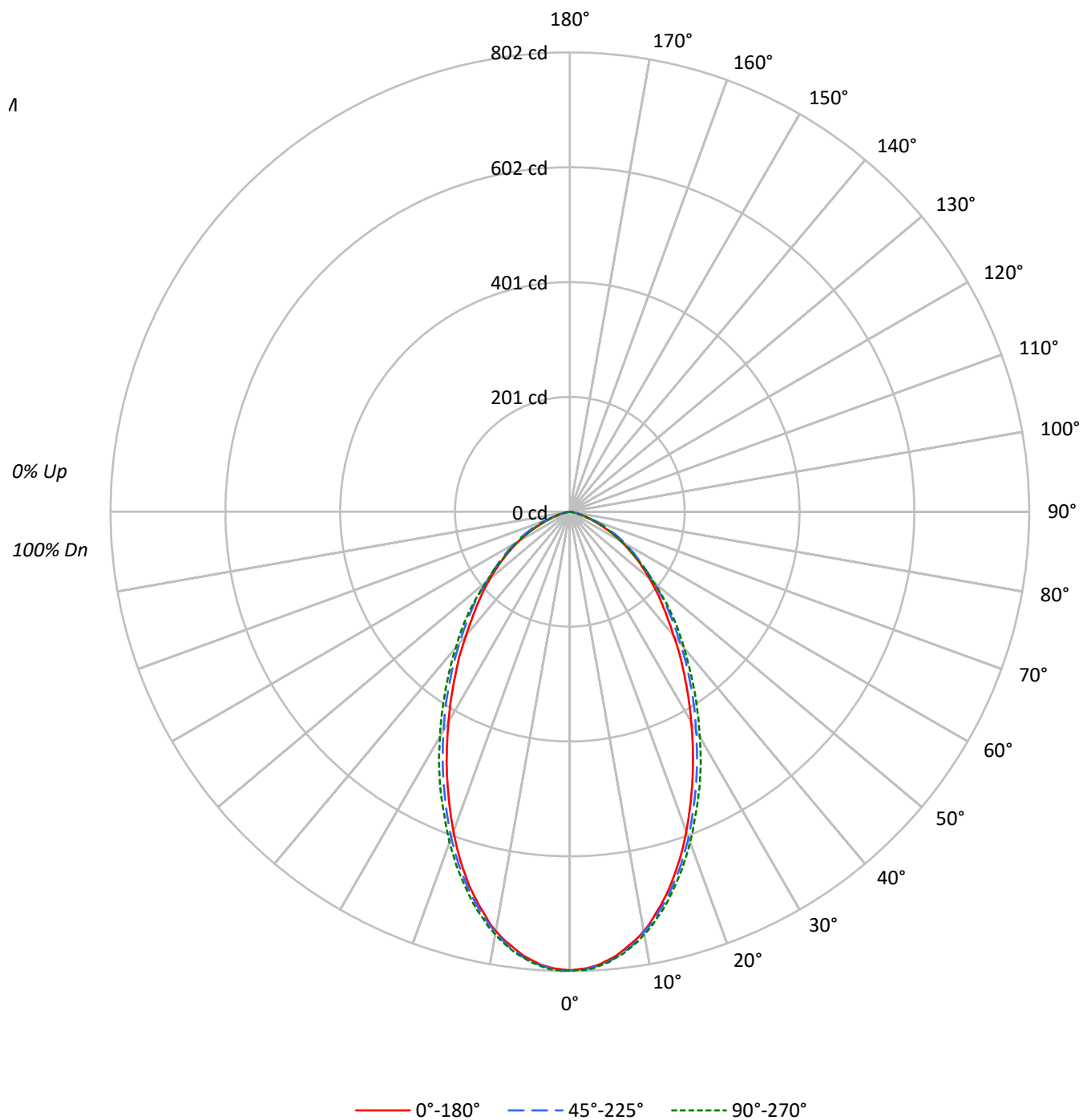
Lumens per Lamp: N/A  
Luminaire Lumens: 1146.0 lumens  
Efficiency: N/A  
Efficacy: 41.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.4  
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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 111 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  | 89  | 89  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  | 89  | 85  | 82  | 86  | 83  | 80  | 79  | 79  | 79  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  | 81  | 76  | 72  | 78  | 74  | 71  | 69  | 69  | 69  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 67  | 64  | 62  | 62  | 62  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 58  | 66  | 61  | 57  | 55  | 55  | 55  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  | 62  | 56  | 52  | 61  | 56  | 52  | 50  | 50  | 50  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  | 58  | 52  | 47  | 56  | 51  | 47  | 45  | 45  | 45  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  | 53  | 48  | 43  | 52  | 47  | 43  | 41  | 41  | 41  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 38  | 38  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  | 35  | 35  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 137864 | 137864 | 137864 |
| 5°  | 135694 | 136178 | 136420 |
| 10° | 130040 | 130303 | 131037 |
| 15° | 120672 | 121688 | 122705 |
| 20° | 108921 | 111010 | 112568 |
| 25° | 96458  | 99156  | 101588 |
| 30° | 84259  | 87660  | 90205  |
| 35° | 73249  | 77118  | 79515  |
| 40° | 63287  | 67446  | 69694  |
| 45° | 55410  | 59209  | 60939  |
| 50° | 48763  | 51041  | 51041  |
| 55° | 42277  | 44409  | 43117  |
| 60° | 35753  | 38199  | 36236  |
| 65° | 27792  | 31868  | 28974  |
| 70° | 20041  | 23616  | 20041  |
| 75° | 15105  | 14173  | 11379  |
| 80° | 9918   | 7042   | 2777   |
| 85° | 2766   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 60939 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 73.8   | 6.4       |
| 10°-20°   | 190.5  | 16.6      |
| 20°-30°   | 239.1  | 20.9      |
| 30°-40°   | 228.4  | 19.9      |
| 40°-50°   | 185.7  | 16.2      |
| 50°-60°   | 130.0  | 11.3      |
| 60°-70°   | 73.4   | 6.4       |
| 70°-80°   | 23.2   | 2.0       |
| 80°-90°   | 1.8    | 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°    | 503.4  | 43.9      |
| 0°-40°    | 731.8  | 63.9      |
| 0°-60°    | 1047.5 | 91.4      |
| 0°-90°    | 1146.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1146.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 800 | 800   | 800 | 800   | 800 |      |
| 5°  | 785 | 786   | 788 | 786   | 789 | 74   |
| 15° | 677 | 678   | 682 | 684   | 688 | 189  |
| 25° | 508 | 513   | 522 | 530   | 535 | 233  |
| 35° | 348 | 354   | 367 | 374   | 378 | 218  |
| 45° | 228 | 233   | 243 | 247   | 250 | 177  |
| 55° | 141 | 142   | 148 | 145   | 144 | 126  |
| 65° | 68  | 72    | 78  | 74    | 71  | 69   |
| 75° | 23  | 23    | 21  | 18    | 17  | 25   |
| 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°    | 800.5 | 800.5 | 800.5 | 800.5 | 800.5 |
| 1°    | 799.1 | 800.5 | 801.9 | 799.1 | 800.5 |
| 2°    | 797.7 | 799.1 | 799.1 | 797.7 | 800.5 |
| 3°    | 794.8 | 796.2 | 796.2 | 794.8 | 797.7 |
| 4°    | 790.6 | 792.0 | 792.0 | 790.6 | 793.4 |
| 5°    | 784.9 | 786.3 | 787.7 | 786.3 | 789.1 |
| 6°    | 779.2 | 780.6 | 782.0 | 780.6 | 782.0 |
| 7°    | 770.6 | 773.5 | 773.5 | 773.5 | 776.3 |
| 8°    | 762.1 | 765.0 | 766.4 | 765.0 | 767.8 |
| 9°    | 753.6 | 755.0 | 756.4 | 756.4 | 759.3 |
| 10°   | 743.6 | 745.1 | 745.1 | 746.5 | 749.3 |
| 11°   | 732.3 | 732.3 | 735.1 | 735.1 | 739.4 |
| 12°   | 718.0 | 719.5 | 722.3 | 723.7 | 726.6 |
| 13°   | 705.2 | 706.7 | 709.5 | 710.9 | 715.2 |
| 14°   | 691.0 | 693.9 | 696.7 | 698.1 | 702.4 |
| 15°   | 676.8 | 678.2 | 682.5 | 683.9 | 688.2 |
| 17.5° | 637.0 | 638.4 | 645.5 | 648.4 | 652.6 |
| 20°   | 594.3 | 598.6 | 605.7 | 610.0 | 614.2 |
| 22.5° | 550.3 | 554.5 | 563.1 | 570.2 | 573.0 |
| 25°   | 507.6 | 513.3 | 521.8 | 530.4 | 534.6 |
| 27.5° | 464.9 | 470.6 | 480.6 | 489.1 | 494.8 |
| 30°   | 423.7 | 429.4 | 440.8 | 447.9 | 453.6 |
| 32.5° | 385.3 | 391.0 | 403.8 | 410.9 | 415.2 |
| 35°   | 348.4 | 354.0 | 366.8 | 374.0 | 378.2 |
| 37.5° | 315.7 | 321.3 | 332.7 | 339.8 | 342.7 |
| 40°   | 281.5 | 288.6 | 300.0 | 307.1 | 310.0 |
| 42.5° | 253.1 | 258.8 | 270.2 | 275.8 | 280.1 |
| 45°   | 227.5 | 233.2 | 243.1 | 247.4 | 250.2 |
| 47.5° | 204.7 | 207.6 | 216.1 | 217.5 | 220.4 |
| 50°   | 182.0 | 184.8 | 190.5 | 192.0 | 190.5 |
| 52.5° | 160.7 | 163.5 | 167.8 | 166.4 | 166.4 |
| 55°   | 140.8 | 142.2 | 147.9 | 145.0 | 143.6 |
| 57.5° | 120.9 | 123.7 | 129.4 | 125.1 | 123.7 |
| 60°   | 103.8 | 106.6 | 110.9 | 108.1 | 105.2 |
| 62.5° | 86.7  | 88.2  | 95.3  | 89.6  | 86.7  |
| 65°   | 68.2  | 72.5  | 78.2  | 73.9  | 71.1  |
| 67.5° | 51.2  | 58.3  | 64.0  | 58.3  | 55.5  |
| 70°   | 39.8  | 42.7  | 46.9  | 44.1  | 39.8  |
| 72.5° | 29.9  | 31.3  | 32.7  | 29.9  | 27.0  |
| 75°   | 22.7  | 22.7  | 21.3  | 18.5  | 17.1  |
| 77.5° | 15.6  | 15.6  | 12.8  | 8.5   | 8.5   |
| 80°   | 10.0  | 10.0  | 7.1   | 2.8   | 2.8   |
| 82.5° | 4.3   | 4.3   | 2.8   | 1.4   | 1.4   |
| 85°   | 1.4   | 1.4   | 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)