

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: P1310161

Luminaire Tested: P3SQAS09R709040DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R709040DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

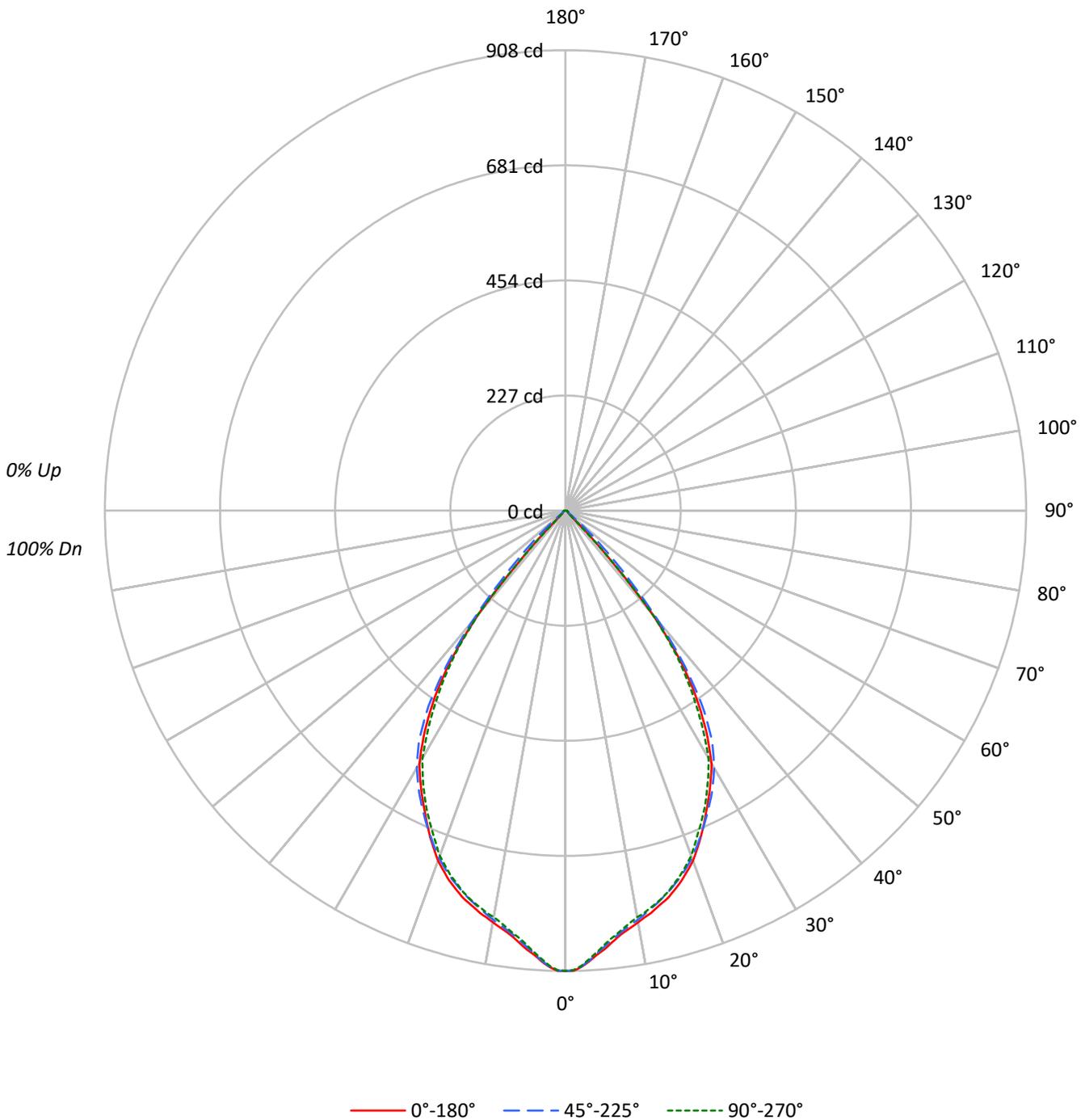
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 968.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03  
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 (A<sub>in</sub>): 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  |     |     | 0   |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 95  | 95  | 95  | 95  | 93  |
| 2   | 107 | 102 | 98  | 94  | 105 | 100 | 96  | 93  | 97  | 94  | 91  | 94  | 91  | 89  | 91  | 89  | 87  | 87  | 87  | 87  | 86  |
| 3   | 101 | 95  | 89  | 85  | 99  | 93  | 88  | 84  | 90  | 86  | 83  | 88  | 85  | 82  | 86  | 83  | 80  | 80  | 80  | 80  | 79  |
| 4   | 96  | 88  | 82  | 77  | 94  | 87  | 81  | 77  | 84  | 80  | 76  | 82  | 78  | 75  | 81  | 77  | 74  | 74  | 74  | 74  | 73  |
| 5   | 91  | 82  | 76  | 71  | 89  | 81  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 69  | 69  | 69  | 67  |
| 6   | 86  | 76  | 70  | 65  | 84  | 75  | 69  | 65  | 74  | 69  | 65  | 72  | 68  | 64  | 71  | 67  | 64  | 64  | 64  | 64  | 62  |
| 7   | 81  | 71  | 65  | 60  | 80  | 70  | 64  | 60  | 69  | 64  | 60  | 68  | 63  | 59  | 67  | 62  | 59  | 59  | 59  | 59  | 58  |
| 8   | 77  | 67  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 56  | 64  | 59  | 55  | 63  | 58  | 55  | 55  | 55  | 55  | 54  |
| 9   | 73  | 62  | 56  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 59  | 55  | 51  | 51  | 51  | 51  | 50  |
| 10  | 69  | 59  | 53  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 48  | 48  | 48  | 47  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 156344 | 156344 | 156344 |
| 5°  | 150285 | 149472 | 148919 |
| 10° | 144188 | 143349 | 142387 |
| 15° | 140552 | 139001 | 138858 |
| 20° | 134671 | 133663 | 132783 |
| 25° | 124676 | 125570 | 123175 |
| 30° | 114527 | 116555 | 112180 |
| 35° | 94442  | 98899  | 90805  |
| 40° | 60140  | 64726  | 60140  |
| 45° | 4214   | 27985  | 4603   |
| 50° | 1902   | 5680   | 1902   |
| 55° | 2132   | 2132   | 2132   |
| 60° | 2170   | 2170   | 2170   |
| 65° | 1915   | 2241   | 1915   |
| 70° | 1964   | 2367   | 1964   |
| 75° | 2063   | 2063   | 2063   |
| 80° | 2380   | 2380   | 2380   |
| 85° | 1581   | 3162   | 1581   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 27985 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.0   | 8.4       |
| 10°-20°   | 219.3  | 22.7      |
| 20°-30°   | 301.5  | 31.1      |
| 30°-40°   | 276.1  | 28.5      |
| 40°-50°   | 73.3   | 7.6       |
| 50°-60°   | 6.6    | 0.7       |
| 60°-70°   | 5.3    | 0.5       |
| 70°-80°   | 3.5    | 0.4       |
| 80°-90°   | 1.4    | 0.1       |
| 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°    | 601.8  | 62.2      |
| 0°-40°    | 877.9  | 90.7      |
| 0°-60°    | 957.8  | 98.9      |
| 0°-90°    | 968.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 968.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 908 | 908   | 908 | 908   | 908 |      |
| 5°  | 869 | 865   | 865 | 863   | 861 | 81   |
| 15° | 788 | 781   | 780 | 780   | 779 | 221  |
| 25° | 656 | 658   | 661 | 653   | 648 | 302  |
| 35° | 449 | 456   | 470 | 449   | 432 | 272  |
| 45° | 17  | 59    | 115 | 60    | 19  | 52   |
| 55° | 7   | 7     | 7   | 7     | 7   | 6    |
| 65° | 5   | 6     | 6   | 6     | 5   | 5    |
| 75° | 3   | 3     | 3   | 3     | 3   | 3    |
| 85° | 1   | 2     | 2   | 2     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 907.8 | 907.8 | 907.8 | 907.8 | 907.8 |
| 1°    | 907.8 | 906.3 | 907.8 | 907.8 | 906.3 |
| 2°    | 900.8 | 899.2 | 900.0 | 899.2 | 898.4 |
| 3°    | 890.5 | 888.2 | 889.0 | 887.4 | 885.8 |
| 4°    | 878.7 | 876.4 | 876.4 | 875.6 | 874.0 |
| 5°    | 869.3 | 865.4 | 864.6 | 863.0 | 861.4 |
| 6°    | 858.3 | 854.4 | 853.6 | 851.2 | 849.6 |
| 7°    | 847.3 | 844.1 | 843.3 | 840.2 | 840.2 |
| 8°    | 838.6 | 834.7 | 834.7 | 830.8 | 830.8 |
| 9°    | 831.5 | 826.8 | 826.8 | 823.7 | 822.1 |
| 10°   | 824.5 | 819.7 | 819.7 | 815.8 | 814.2 |
| 11°   | 817.4 | 813.4 | 811.9 | 809.5 | 808.7 |
| 12°   | 811.1 | 805.6 | 804.0 | 803.2 | 801.6 |
| 13°   | 803.2 | 797.7 | 796.1 | 795.3 | 794.6 |
| 14°   | 796.1 | 789.1 | 788.3 | 786.7 | 787.5 |
| 15°   | 788.3 | 781.2 | 779.6 | 779.6 | 778.8 |
| 17.5° | 763.9 | 759.2 | 756.8 | 755.2 | 753.7 |
| 20°   | 734.8 | 730.8 | 729.3 | 726.1 | 724.5 |
| 22.5° | 697.0 | 696.2 | 695.4 | 691.5 | 685.2 |
| 25°   | 656.1 | 658.5 | 660.8 | 653.0 | 648.2 |
| 27.5° | 616.8 | 623.1 | 625.4 | 617.6 | 607.3 |
| 30°   | 575.9 | 581.4 | 586.1 | 575.1 | 564.1 |
| 32.5° | 516.9 | 530.2 | 537.3 | 524.7 | 499.6 |
| 35°   | 449.2 | 456.3 | 470.4 | 449.2 | 431.9 |
| 37.5° | 370.5 | 374.5 | 385.5 | 371.3 | 359.5 |
| 40°   | 267.5 | 279.3 | 287.9 | 279.3 | 267.5 |
| 42.5° | 120.4 | 168.4 | 190.4 | 177.8 | 125.9 |
| 45°   | 17.3  | 59.0  | 114.9 | 59.8  | 18.9  |
| 47.5° | 7.1   | 9.4   | 59.8  | 8.7   | 7.1   |
| 50°   | 7.1   | 7.1   | 21.2  | 7.1   | 7.1   |
| 52.5° | 7.1   | 7.1   | 7.9   | 7.1   | 7.1   |
| 55°   | 7.1   | 7.1   | 7.1   | 7.1   | 7.1   |
| 57.5° | 6.3   | 6.3   | 7.1   | 6.3   | 6.3   |
| 60°   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   |
| 62.5° | 5.5   | 6.3   | 6.3   | 6.3   | 5.5   |
| 65°   | 4.7   | 5.5   | 5.5   | 5.5   | 4.7   |
| 67.5° | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| 70°   | 3.9   | 4.7   | 4.7   | 4.7   | 3.9   |
| 72.5° | 3.9   | 3.9   | 3.9   | 3.9   | 3.9   |
| 75°   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   |
| 77.5° | 2.4   | 3.1   | 3.1   | 3.1   | 2.4   |
| 80°   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   |
| 82.5° | 1.6   | 1.6   | 1.6   | 1.6   | 1.6   |
| 85°   | 0.8   | 1.6   | 1.6   | 1.6   | 0.8   |
| 87.5° | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   |



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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)