

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: P1306556

Luminaire Tested: P3SQAS05R259027DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R259027DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

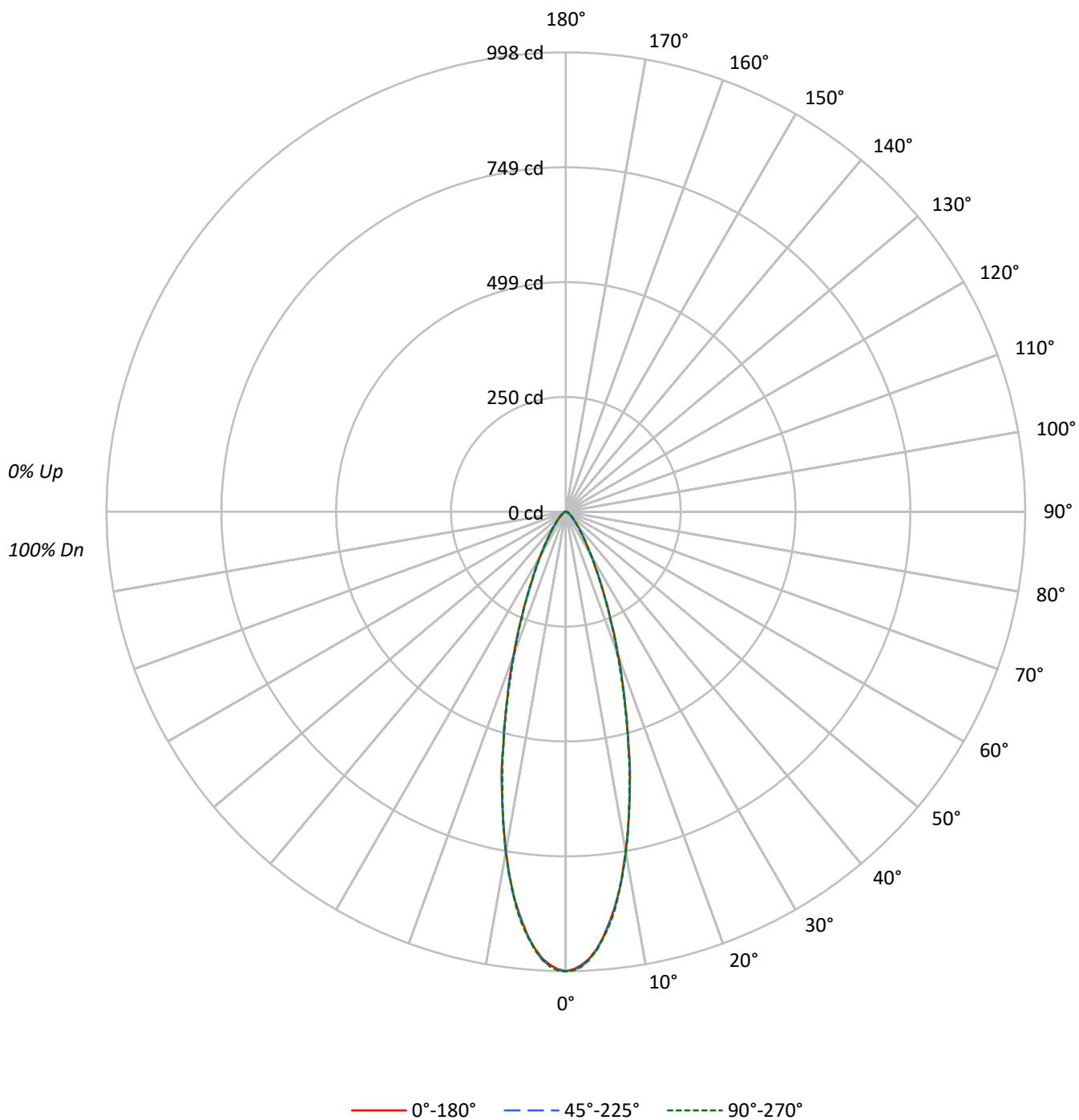
Lumens per Lamp: N/A  
Luminaire Lumens: 400.0 lumens  
Efficiency: N/A  
Efficacy: 55.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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  |     |     |  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 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 |  | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 94  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 88  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 79  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 74  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 72  |  | 71  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 67  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 64  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 62  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 59  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 171930 | 171930 | 171930 |
| 5°  | 160485 | 160641 | 160727 |
| 10° | 130897 | 131299 | 131299 |
| 15° | 93499  | 93999  | 93499  |
| 20° | 61196  | 60591  | 59729  |
| 25° | 36371  | 36561  | 36371  |
| 30° | 21915  | 21915  | 21816  |
| 35° | 13351  | 13456  | 13351  |
| 40° | 8498   | 8611   | 8611   |
| 45° | 5918   | 5918   | 5918   |
| 50° | 4260   | 4367   | 4367   |
| 55° | 3363   | 3363   | 3513   |
| 60° | 2721   | 2893   | 2893   |
| 65° | 2486   | 2486   | 2486   |
| 70° | 2115   | 2115   | 2367   |
| 75° | 1863   | 1863   | 2196   |
| 80° | 1884   | 1884   | 1884   |
| 85° | 988    | 988    | 988    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5918 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 83.0   | 20.7      |
| 10°-20°   | 144.6  | 36.2      |
| 20°-30°   | 90.9   | 22.7      |
| 30°-40°   | 41.6   | 10.4      |
| 40°-50°   | 19.4   | 4.9       |
| 50°-60°   | 10.4   | 2.6       |
| 60°-70°   | 6.2    | 1.5       |
| 70°-80°   | 3.2    | 0.8       |
| 80°-90°   | 0.7    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 318.5  | 79.6      |
| 0°-40°    | 360.0  | 90.0      |
| 0°-60°    | 389.9  | 97.5      |
| 0°-90°    | 400.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 400.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 998 | 998   | 998 | 998   | 998 |      |
| 5°  | 928 | 930   | 929 | 930   | 930 | 83   |
| 15° | 524 | 528   | 527 | 528   | 524 | 145  |
| 25° | 191 | 194   | 192 | 192   | 191 | 91   |
| 35° | 64  | 64    | 64  | 64    | 64  | 41   |
| 45° | 24  | 24    | 24  | 24    | 24  | 19   |
| 55° | 11  | 11    | 11  | 12    | 12  | 10   |
| 65° | 6   | 6     | 6   | 6     | 6   | 6    |
| 75° | 3   | 3     | 3   | 3     | 3   | 3    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 998.3 | 998.3 | 998.3 | 998.3 | 998.3 |
| 1°    | 994.1 | 995.0 | 996.0 | 997.4 | 996.9 |
| 2°    | 984.7 | 986.6 | 987.1 | 989.0 | 988.5 |
| 3°    | 972.1 | 971.7 | 975.4 | 975.4 | 973.1 |
| 4°    | 952.5 | 953.5 | 954.4 | 955.3 | 955.8 |
| 5°    | 928.3 | 930.1 | 929.2 | 930.1 | 929.7 |
| 6°    | 898.4 | 901.2 | 900.7 | 901.6 | 903.0 |
| 7°    | 866.6 | 868.5 | 868.5 | 867.6 | 871.3 |
| 8°    | 832.1 | 830.7 | 833.0 | 832.1 | 831.6 |
| 9°    | 791.0 | 793.8 | 794.2 | 791.9 | 792.8 |
| 10°   | 748.5 | 750.4 | 750.8 | 752.2 | 750.8 |
| 11°   | 706.5 | 706.5 | 707.4 | 709.7 | 706.0 |
| 12°   | 660.7 | 664.9 | 660.7 | 662.6 | 660.7 |
| 13°   | 617.3 | 618.2 | 617.3 | 616.8 | 613.5 |
| 14°   | 576.2 | 572.9 | 573.9 | 570.1 | 570.6 |
| 15°   | 524.4 | 527.6 | 527.2 | 528.1 | 524.4 |
| 17.5° | 421.6 | 423.5 | 423.0 | 422.1 | 417.4 |
| 20°   | 333.9 | 333.9 | 330.6 | 328.7 | 325.9 |
| 22.5° | 254.9 | 254.0 | 252.6 | 251.2 | 252.1 |
| 25°   | 191.4 | 193.8 | 192.4 | 192.4 | 191.4 |
| 27.5° | 144.7 | 147.5 | 145.2 | 143.8 | 144.7 |
| 30°   | 110.2 | 111.1 | 110.2 | 109.7 | 109.7 |
| 32.5° | 83.1  | 83.6  | 83.1  | 83.1  | 83.1  |
| 35°   | 63.5  | 63.5  | 64.0  | 64.0  | 63.5  |
| 37.5° | 49.0  | 49.0  | 49.0  | 49.0  | 49.5  |
| 40°   | 37.8  | 38.3  | 38.3  | 38.3  | 38.3  |
| 42.5° | 29.9  | 30.4  | 30.4  | 30.4  | 30.4  |
| 45°   | 24.3  | 24.3  | 24.3  | 24.3  | 24.3  |
| 47.5° | 19.6  | 19.6  | 19.6  | 19.6  | 20.1  |
| 50°   | 15.9  | 16.3  | 16.3  | 16.3  | 16.3  |
| 52.5° | 13.5  | 13.5  | 13.5  | 13.5  | 13.5  |
| 55°   | 11.2  | 11.2  | 11.2  | 11.7  | 11.7  |
| 57.5° | 9.3   | 9.3   | 9.8   | 9.8   | 9.8   |
| 60°   | 7.9   | 8.4   | 8.4   | 8.4   | 8.4   |
| 62.5° | 7.0   | 7.0   | 7.5   | 7.5   | 7.5   |
| 65°   | 6.1   | 6.1   | 6.1   | 6.1   | 6.1   |
| 67.5° | 5.1   | 5.1   | 5.1   | 5.1   | 5.6   |
| 70°   | 4.2   | 4.2   | 4.2   | 4.7   | 4.7   |
| 72.5° | 3.7   | 3.7   | 3.7   | 3.7   | 3.7   |
| 75°   | 2.8   | 2.8   | 2.8   | 3.3   | 3.3   |
| 77.5° | 2.3   | 2.3   | 2.3   | 2.3   | 2.3   |
| 80°   | 1.9   | 1.9   | 1.9   | 1.9   | 1.9   |
| 82.5° | 0.9   | 0.9   | 1.4   | 1.4   | 1.4   |
| 85°   | 0.5   | 0.5   | 0.5   | 0.5   | 0.5   |
| 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)