

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: P1307365

Luminaire Tested: P3SQAS24R359027D010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307365  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R359027D010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

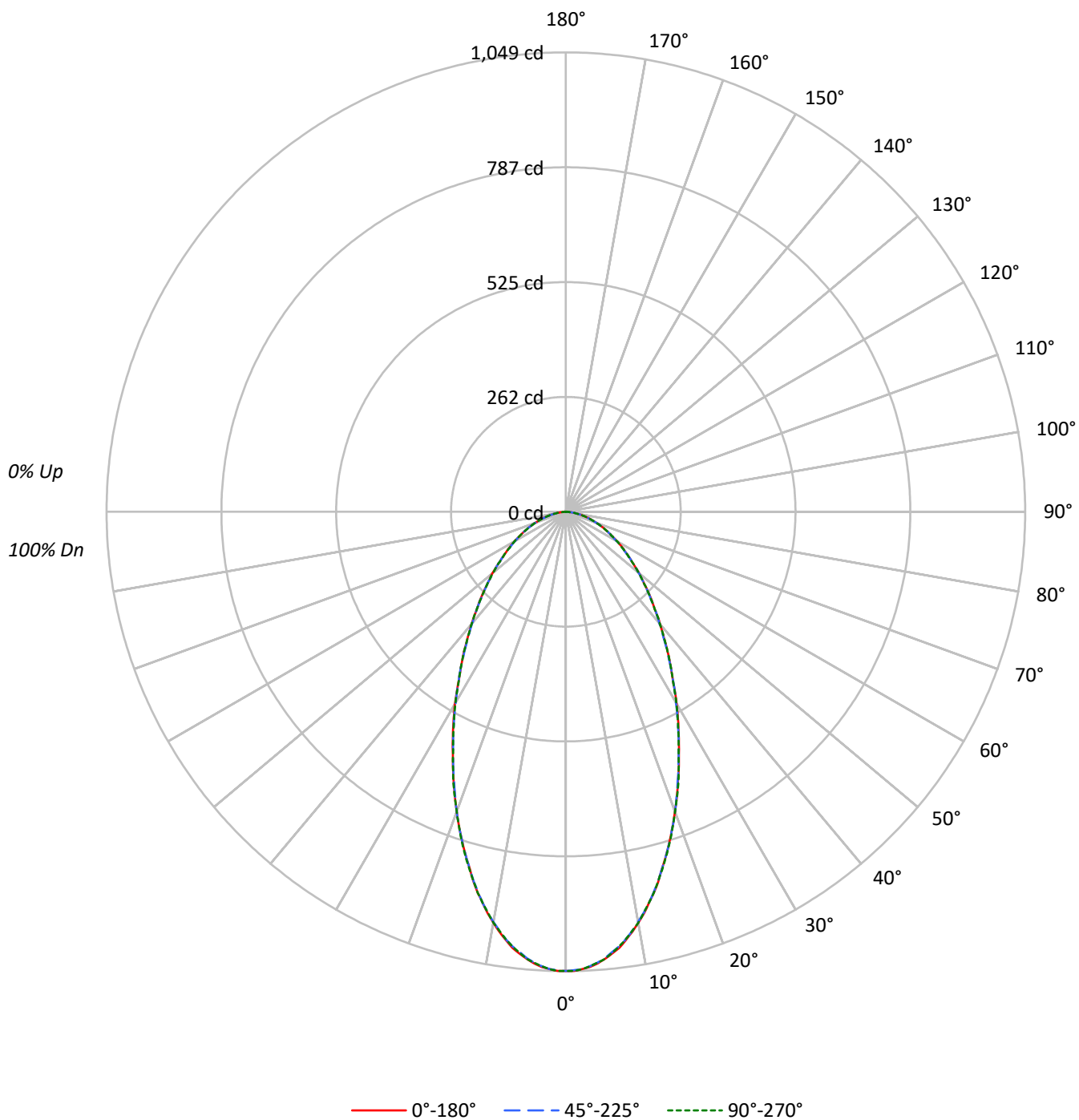
Lumens per Lamp: N/A  
Luminaire Lumens: 1401.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 107 | 103 | 100 | 108 | 105 | 101 | 99  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  |  | 87  | 84  | 81  |  | 84  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 88  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 68  | 64  |  | 72  | 67  | 63  |  | 70  |
| 5   | 82  | 71  | 64  | 58  | 80  | 70  | 63  | 58  | 68  | 62  | 57  |  | 66  | 61  | 56  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 7   | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  |  | 57  | 51  | 46  |  | 55  |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 51  | 44  | 40  | 50  | 44  | 39  |  | 49  | 44  | 39  |  | 48  |
| 10  | 60  | 49  | 42  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 37  |  | 46  | 41  | 36  |  | 45  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 180610 | 180610 | 180610 |
| 5°  | 177237 | 176926 | 177237 |
| 10° | 166643 | 166328 | 166643 |
| 15° | 150876 | 150876 | 151197 |
| 20° | 133553 | 133553 | 133553 |
| 25° | 116125 | 115783 | 115783 |
| 30° | 100686 | 99970  | 100328 |
| 35° | 86663  | 86285  | 86663  |
| 40° | 75203  | 74798  | 75203  |
| 45° | 66053  | 65615  | 65615  |
| 50° | 58623  | 58141  | 58141  |
| 55° | 51585  | 51585  | 51585  |
| 60° | 46707  | 46087  | 46707  |
| 65° | 42015  | 42015  | 42015  |
| 70° | 37313  | 37313  | 37313  |
| 75° | 33670  | 32472  | 33670  |
| 80° | 28663  | 28663  | 28663  |
| 85° | 17784  | 17784  | 17784  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66053 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.4   | 6.8       |
| 10°-20°   | 236.0  | 16.8      |
| 20°-30°   | 280.5  | 20.0      |
| 30°-40°   | 257.7  | 18.4      |
| 40°-50°   | 209.3  | 14.9      |
| 50°-60°   | 154.9  | 11.1      |
| 60°-70°   | 102.3  | 7.3       |
| 70°-80°   | 53.0   | 3.8       |
| 80°-90°   | 11.9   | 0.8       |
| 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°    | 611.9  | 43.7      |
| 0°-40°    | 869.6  | 62.1      |
| 0°-60°    | 1233.8 | 88.1      |
| 0°-90°    | 1401.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1401.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1049 | 1049  | 1049 | 1049  | 1049 |      |
| 5°  | 1025 | 1023  | 1023 | 1023  | 1025 | 96   |
| 15° | 846  | 846   | 846  | 846   | 848  | 236  |
| 25° | 611  | 609   | 609  | 611   | 609  | 281  |
| 35° | 412  | 410   | 410  | 412   | 412  | 258  |
| 45° | 271  | 269   | 269  | 269   | 269  | 210  |
| 55° | 172  | 172   | 172  | 172   | 172  | 155  |
| 65° | 103  | 103   | 103  | 103   | 103  | 102  |
| 75° | 51   | 51    | 49   | 51    | 51   | 54   |
| 85° | 9    | 9     | 9    | 9     | 9    | 12   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1048.7 | 1048.7 | 1048.7 | 1048.7 | 1048.7 |
| 1°    | 1048.7 | 1046.9 | 1046.9 | 1046.9 | 1048.7 |
| 2°    | 1045.1 | 1045.1 | 1045.1 | 1045.1 | 1045.1 |
| 3°    | 1041.5 | 1039.7 | 1039.7 | 1039.7 | 1039.7 |
| 4°    | 1034.2 | 1032.4 | 1032.4 | 1032.4 | 1032.4 |
| 5°    | 1025.2 | 1023.4 | 1023.4 | 1023.4 | 1025.2 |
| 6°    | 1014.3 | 1012.5 | 1010.7 | 1010.7 | 1012.5 |
| 7°    | 1003.5 | 999.9  | 999.9  | 999.9  | 999.9  |
| 8°    | 987.2  | 985.4  | 985.4  | 985.4  | 985.4  |
| 9°    | 971.0  | 967.3  | 969.1  | 969.1  | 969.1  |
| 10°   | 952.9  | 951.1  | 951.1  | 951.1  | 952.9  |
| 11°   | 934.8  | 933.0  | 933.0  | 931.2  | 933.0  |
| 12°   | 913.1  | 913.1  | 913.1  | 913.1  | 913.1  |
| 13°   | 893.2  | 891.4  | 891.4  | 891.4  | 893.2  |
| 14°   | 871.5  | 869.7  | 869.7  | 869.7  | 869.7  |
| 15°   | 846.2  | 846.2  | 846.2  | 846.2  | 848.0  |
| 17.5° | 788.3  | 786.5  | 788.3  | 788.3  | 790.1  |
| 20°   | 728.7  | 726.9  | 728.7  | 728.7  | 728.7  |
| 22.5° | 669.0  | 669.0  | 667.2  | 669.0  | 670.8  |
| 25°   | 611.1  | 609.3  | 609.3  | 611.1  | 609.3  |
| 27.5° | 556.9  | 555.1  | 555.1  | 555.1  | 555.1  |
| 30°   | 506.3  | 502.7  | 502.7  | 504.5  | 504.5  |
| 32.5° | 453.8  | 453.8  | 455.6  | 453.8  | 453.8  |
| 35°   | 412.2  | 410.4  | 410.4  | 412.2  | 412.2  |
| 37.5° | 370.7  | 368.9  | 368.9  | 370.7  | 370.7  |
| 40°   | 334.5  | 334.5  | 332.7  | 334.5  | 334.5  |
| 42.5° | 300.1  | 300.1  | 300.1  | 300.1  | 300.1  |
| 45°   | 271.2  | 269.4  | 269.4  | 269.4  | 269.4  |
| 47.5° | 242.3  | 242.3  | 242.3  | 240.5  | 242.3  |
| 50°   | 218.8  | 217.0  | 217.0  | 217.0  | 217.0  |
| 52.5° | 193.5  | 193.5  | 193.5  | 193.5  | 193.5  |
| 55°   | 171.8  | 171.8  | 171.8  | 171.8  | 171.8  |
| 57.5° | 153.7  | 151.9  | 151.9  | 151.9  | 151.9  |
| 60°   | 135.6  | 135.6  | 133.8  | 135.6  | 135.6  |
| 62.5° | 117.5  | 117.5  | 117.5  | 117.5  | 117.5  |
| 65°   | 103.1  | 103.1  | 103.1  | 103.1  | 103.1  |
| 67.5° | 88.6   | 88.6   | 88.6   | 88.6   | 88.6   |
| 70°   | 74.1   | 74.1   | 74.1   | 74.1   | 74.1   |
| 72.5° | 63.3   | 61.5   | 61.5   | 61.5   | 61.5   |
| 75°   | 50.6   | 50.6   | 48.8   | 50.6   | 50.6   |
| 77.5° | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   |
| 80°   | 28.9   | 28.9   | 28.9   | 27.1   | 28.9   |
| 82.5° | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   |
| 85°   | 9.0    | 9.0    | 9.0    | 9.0    | 9.0    |
| 87.5° | 1.8    | 1.8    | 1.8    | 3.6    | 3.6    |



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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)