

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: P1311615

Luminaire Tested: P3SQAS20R259050D010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311615  
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: P3SQAS20R259050D010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

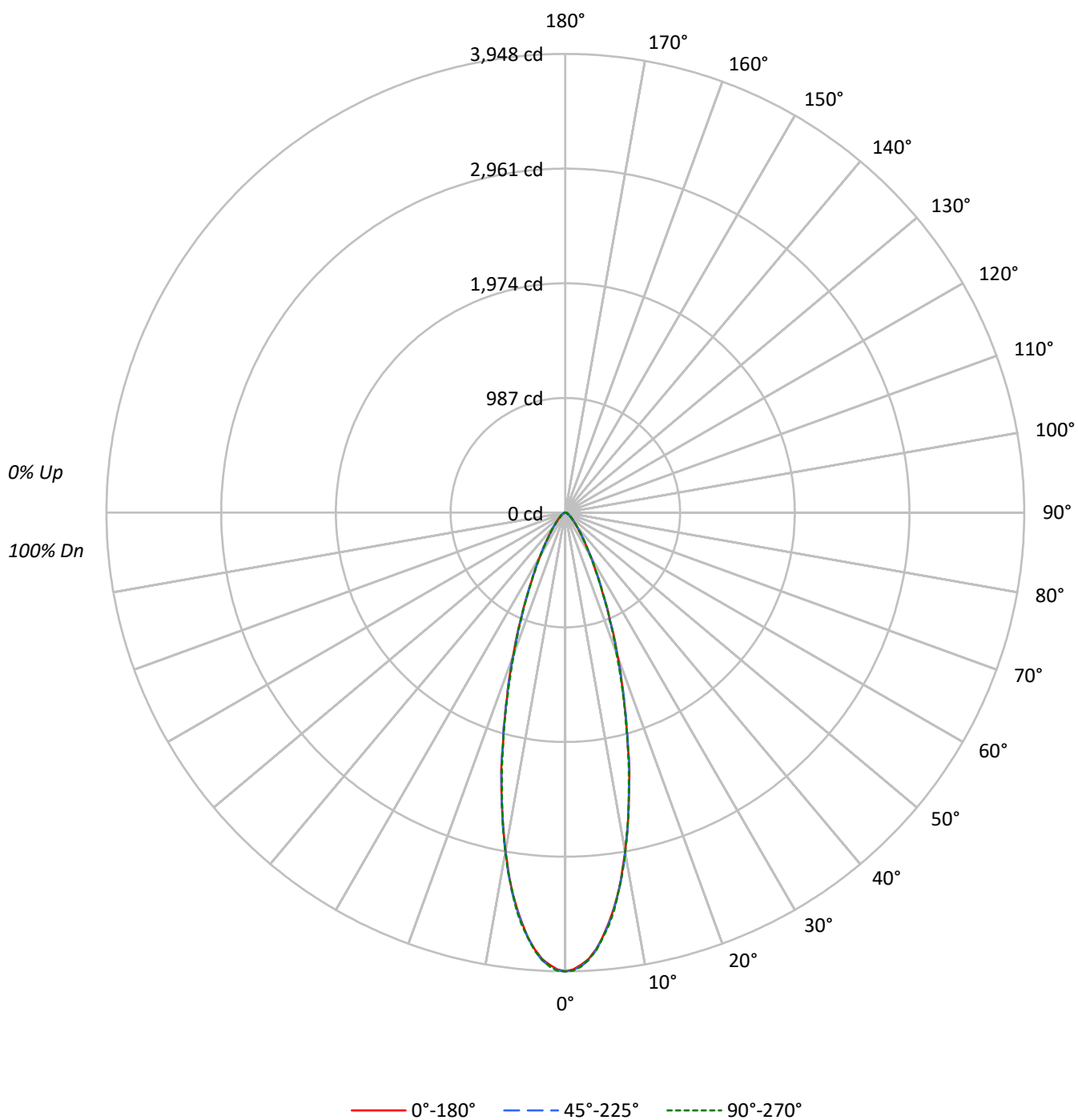
Lumens per Lamp: N/A  
Luminaire Lumens: 1582.0 lumens  
Efficiency: N/A  
Efficacy: 54.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 679969 | 679969 | 679969 |
| 5°  | 634679 | 635319 | 635647 |
| 10° | 517696 | 519305 | 519305 |
| 15° | 369754 | 371733 | 369754 |
| 20° | 241997 | 239633 | 236242 |
| 25° | 143869 | 144572 | 143869 |
| 30° | 86666  | 86666  | 86308  |
| 35° | 52814  | 53192  | 52814  |
| 40° | 33633  | 34038  | 34038  |
| 45° | 23382  | 23382  | 23382  |
| 50° | 16826  | 17308  | 17308  |
| 55° | 13302  | 13302  | 13872  |
| 60° | 10816  | 11436  | 11436  |
| 65° | 9780   | 9780   | 9780   |
| 70° | 8359   | 8359   | 9316   |
| 75° | 7386   | 7386   | 8584   |
| 80° | 7339   | 7339   | 7339   |
| 85° | 3557   | 3557   | 3557   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23382 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 328.1  | 20.7      |
| 10°-20°   | 571.9  | 36.2      |
| 20°-30°   | 359.5  | 22.7      |
| 30°-40°   | 164.5  | 10.4      |
| 40°-50°   | 76.8   | 4.9       |
| 50°-60°   | 41.3   | 2.6       |
| 60°-70°   | 24.3   | 1.5       |
| 70°-80°   | 12.7   | 0.8       |
| 80°-90°   | 2.8    | 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°    | 1259.5 | 79.6      |
| 0°-40°    | 1424.0 | 90.0      |
| 0°-60°    | 1542.1 | 97.5      |
| 0°-90°    | 1582.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1582.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3948 | 3948  | 3948 | 3948  | 3948 |      |
| 5°  | 3671 | 3679  | 3675 | 3679  | 3677 | 327  |
| 15° | 2074 | 2087  | 2085 | 2089  | 2074 | 572  |
| 25° | 757  | 766   | 761  | 761   | 757  | 360  |
| 35° | 251  | 251   | 253  | 253   | 251  | 164  |
| 45° | 96   | 96    | 96   | 96    | 96   | 76   |
| 55° | 44   | 44    | 44   | 46    | 46   | 41   |
| 65° | 24   | 24    | 24   | 24    | 24   | 24   |
| 75° | 11   | 11    | 11   | 13    | 13   | 12   |
| 85° | 2    | 2     | 2    | 2     | 2    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3948.2 | 3948.2 | 3948.2 | 3948.2 | 3948.2 |
| 1°    | 3931.6 | 3935.3 | 3939.0 | 3944.5 | 3942.7 |
| 2°    | 3894.7 | 3902.1 | 3903.9 | 3911.3 | 3909.5 |
| 3°    | 3844.8 | 3843.0 | 3857.8 | 3857.8 | 3848.5 |
| 4°    | 3767.3 | 3771.0 | 3774.7 | 3778.3 | 3780.2 |
| 5°    | 3671.2 | 3678.6 | 3674.9 | 3678.6 | 3676.8 |
| 6°    | 3553.0 | 3564.1 | 3562.3 | 3566.0 | 3571.5 |
| 7°    | 3427.5 | 3434.9 | 3434.9 | 3431.2 | 3445.9 |
| 8°    | 3290.8 | 3285.3 | 3294.5 | 3290.8 | 3289.0 |
| 9°    | 3128.3 | 3139.4 | 3141.2 | 3132.0 | 3135.7 |
| 10°   | 2960.3 | 2967.6 | 2969.5 | 2975.0 | 2969.5 |
| 11°   | 2794.1 | 2794.1 | 2797.7 | 2807.0 | 2792.2 |
| 12°   | 2613.1 | 2629.7 | 2613.1 | 2620.5 | 2613.1 |
| 13°   | 2441.3 | 2445.0 | 2441.3 | 2439.5 | 2426.6 |
| 14°   | 2278.8 | 2265.9 | 2269.6 | 2254.8 | 2256.7 |
| 15°   | 2073.8 | 2086.8 | 2084.9 | 2088.6 | 2073.8 |
| 17.5° | 1667.6 | 1675.0 | 1673.1 | 1669.4 | 1650.9 |
| 20°   | 1320.4 | 1320.4 | 1307.5 | 1300.1 | 1289.0 |
| 22.5° | 1008.3 | 1004.6 | 999.1  | 993.5  | 997.2  |
| 25°   | 757.1  | 766.4  | 760.8  | 760.8  | 757.1  |
| 27.5° | 572.5  | 583.6  | 574.3  | 568.8  | 572.5  |
| 30°   | 435.8  | 439.5  | 435.8  | 434.0  | 434.0  |
| 32.5° | 328.7  | 330.6  | 328.7  | 328.7  | 328.7  |
| 35°   | 251.2  | 251.2  | 253.0  | 253.0  | 251.2  |
| 37.5° | 193.9  | 193.9  | 193.9  | 193.9  | 195.7  |
| 40°   | 149.6  | 151.4  | 151.4  | 151.4  | 151.4  |
| 42.5° | 118.2  | 120.0  | 120.0  | 120.0  | 120.0  |
| 45°   | 96.0   | 96.0   | 96.0   | 96.0   | 96.0   |
| 47.5° | 77.6   | 77.6   | 77.6   | 77.6   | 79.4   |
| 50°   | 62.8   | 64.6   | 64.6   | 64.6   | 64.6   |
| 52.5° | 53.6   | 53.6   | 53.6   | 53.6   | 53.6   |
| 55°   | 44.3   | 44.3   | 44.3   | 46.2   | 46.2   |
| 57.5° | 36.9   | 36.9   | 38.8   | 38.8   | 38.8   |
| 60°   | 31.4   | 33.2   | 33.2   | 33.2   | 33.2   |
| 62.5° | 27.7   | 27.7   | 29.5   | 29.5   | 29.5   |
| 65°   | 24.0   | 24.0   | 24.0   | 24.0   | 24.0   |
| 67.5° | 20.3   | 20.3   | 20.3   | 20.3   | 22.2   |
| 70°   | 16.6   | 16.6   | 16.6   | 18.5   | 18.5   |
| 72.5° | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   |
| 75°   | 11.1   | 11.1   | 11.1   | 12.9   | 12.9   |
| 77.5° | 9.2    | 9.2    | 9.2    | 9.2    | 9.2    |
| 80°   | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    |
| 82.5° | 3.7    | 3.7    | 5.5    | 5.5    | 5.5    |
| 85°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 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)