

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: P1306211

Luminaire Tested: P3SQASS20R259024D010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306211  
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: P3SQASS20R259024D010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

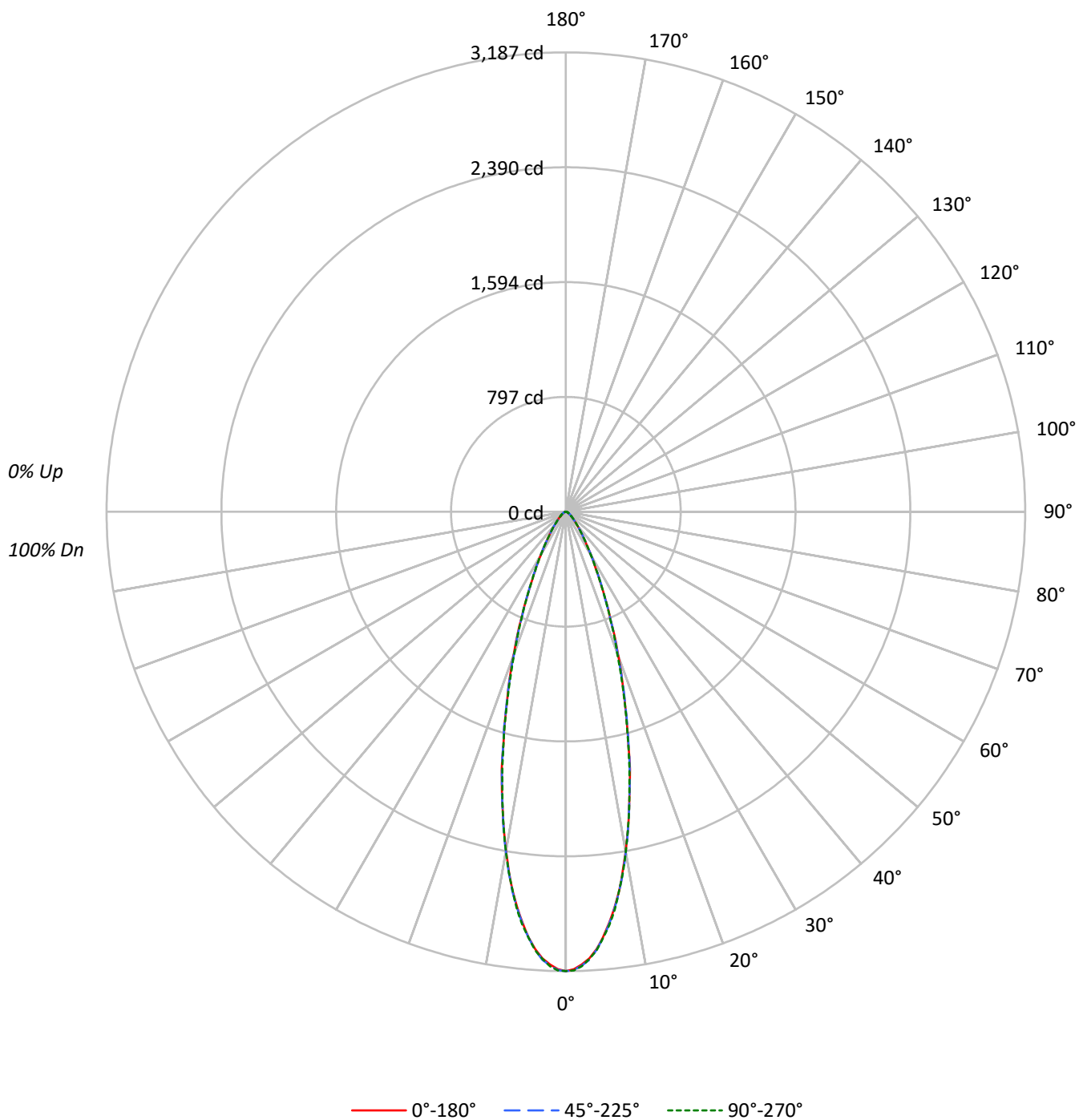
Lumens per Lamp: N/A  
Luminaire Lumens: 1277.0 lumens  
Efficiency: N/A  
Efficacy: 44.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 548874 | 548874 | 548874 |
| 5°  | 512314 | 512833 | 513092 |
| 10° | 417874 | 419186 | 419186 |
| 15° | 298471 | 300076 | 298471 |
| 20° | 195335 | 193429 | 190698 |
| 25° | 116144 | 116714 | 116144 |
| 30° | 69961  | 69961  | 69663  |
| 35° | 42617  | 42932  | 42617  |
| 40° | 27136  | 27473  | 27473  |
| 45° | 18876  | 18876  | 18876  |
| 50° | 13584  | 13986  | 13986  |
| 55° | 10749  | 10749  | 11200  |
| 60° | 8714   | 9231   | 9231   |
| 65° | 7906   | 7906   | 7906   |
| 70° | 6748   | 6748   | 7503   |
| 75° | 5922   | 5922   | 6920   |
| 80° | 5951   | 5951   | 5951   |
| 85° | 2964   | 2964   | 2964   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18876 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 264.8  | 20.7      |
| 10°-20°   | 461.6  | 36.2      |
| 20°-30°   | 290.2  | 22.7      |
| 30°-40°   | 132.7  | 10.4      |
| 40°-50°   | 62.0   | 4.9       |
| 50°-60°   | 33.3   | 2.6       |
| 60°-70°   | 19.7   | 1.5       |
| 70°-80°   | 10.2   | 0.8       |
| 80°-90°   | 2.3    | 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°    | 1016.7 | 79.6      |
| 0°-40°    | 1149.5 | 90.0      |
| 0°-60°    | 1244.8 | 97.5      |
| 0°-90°    | 1277.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1277.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3187 | 3187  | 3187 | 3187  | 3187 |      |
| 5°  | 2963 | 2969  | 2966 | 2969  | 2968 | 264  |
| 15° | 1674 | 1684  | 1683 | 1686  | 1674 | 462  |
| 25° | 611  | 619   | 614  | 614   | 611  | 291  |
| 35° | 203  | 203   | 204  | 204   | 203  | 132  |
| 45° | 78   | 78    | 78   | 78    | 78   | 61   |
| 55° | 36   | 36    | 36   | 37    | 37   | 33   |
| 65° | 19   | 19    | 19   | 19    | 19   | 19   |
| 75° | 9    | 9     | 9    | 10    | 10   | 10   |
| 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°    | 3187.0 | 3187.0 | 3187.0 | 3187.0 | 3187.0 |
| 1°    | 3173.6 | 3176.6 | 3179.6 | 3184.1 | 3182.6 |
| 2°    | 3143.8 | 3149.8 | 3151.3 | 3157.2 | 3155.7 |
| 3°    | 3103.6 | 3102.1 | 3114.0 | 3114.0 | 3106.5 |
| 4°    | 3041.0 | 3043.9 | 3046.9 | 3049.9 | 3051.4 |
| 5°    | 2963.4 | 2969.4 | 2966.4 | 2969.4 | 2967.9 |
| 6°    | 2868.0 | 2877.0 | 2875.5 | 2878.5 | 2882.9 |
| 7°    | 2766.7 | 2772.6 | 2772.6 | 2769.7 | 2781.6 |
| 8°    | 2656.4 | 2651.9 | 2659.3 | 2656.4 | 2654.9 |
| 9°    | 2525.2 | 2534.1 | 2535.6 | 2528.2 | 2531.2 |
| 10°   | 2389.5 | 2395.5 | 2397.0 | 2401.5 | 2397.0 |
| 11°   | 2255.4 | 2255.4 | 2258.4 | 2265.8 | 2253.9 |
| 12°   | 2109.3 | 2122.7 | 2109.3 | 2115.3 | 2109.3 |
| 13°   | 1970.7 | 1973.6 | 1970.7 | 1969.2 | 1958.7 |
| 14°   | 1839.5 | 1829.0 | 1832.0 | 1820.1 | 1821.6 |
| 15°   | 1674.0 | 1684.5 | 1683.0 | 1685.9 | 1674.0 |
| 17.5° | 1346.1 | 1352.0 | 1350.5 | 1347.6 | 1332.7 |
| 20°   | 1065.8 | 1065.8 | 1055.4 | 1049.4 | 1040.5 |
| 22.5° | 813.9  | 810.9  | 806.5  | 802.0  | 805.0  |
| 25°   | 611.2  | 618.6  | 614.2  | 614.2  | 611.2  |
| 27.5° | 462.1  | 471.1  | 463.6  | 459.1  | 462.1  |
| 30°   | 351.8  | 354.8  | 351.8  | 350.3  | 350.3  |
| 32.5° | 265.3  | 266.8  | 265.3  | 265.3  | 265.3  |
| 35°   | 202.7  | 202.7  | 204.2  | 204.2  | 202.7  |
| 37.5° | 156.5  | 156.5  | 156.5  | 156.5  | 158.0  |
| 40°   | 120.7  | 122.2  | 122.2  | 122.2  | 122.2  |
| 42.5° | 95.4   | 96.9   | 96.9   | 96.9   | 96.9   |
| 45°   | 77.5   | 77.5   | 77.5   | 77.5   | 77.5   |
| 47.5° | 62.6   | 62.6   | 62.6   | 62.6   | 64.1   |
| 50°   | 50.7   | 52.2   | 52.2   | 52.2   | 52.2   |
| 52.5° | 43.2   | 43.2   | 43.2   | 43.2   | 43.2   |
| 55°   | 35.8   | 35.8   | 35.8   | 37.3   | 37.3   |
| 57.5° | 29.8   | 29.8   | 31.3   | 31.3   | 31.3   |
| 60°   | 25.3   | 26.8   | 26.8   | 26.8   | 26.8   |
| 62.5° | 22.4   | 22.4   | 23.9   | 23.9   | 23.9   |
| 65°   | 19.4   | 19.4   | 19.4   | 19.4   | 19.4   |
| 67.5° | 16.4   | 16.4   | 16.4   | 16.4   | 17.9   |
| 70°   | 13.4   | 13.4   | 13.4   | 14.9   | 14.9   |
| 72.5° | 11.9   | 11.9   | 11.9   | 11.9   | 11.9   |
| 75°   | 8.9    | 8.9    | 8.9    | 10.4   | 10.4   |
| 77.5° | 7.5    | 7.5    | 7.5    | 7.5    | 7.5    |
| 80°   | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 82.5° | 3.0    | 3.0    | 4.5    | 4.5    | 4.5    |
| 85°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 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)