

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: P1306266

Luminaire Tested: P3SQASS20R459024D010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS20R459024D010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

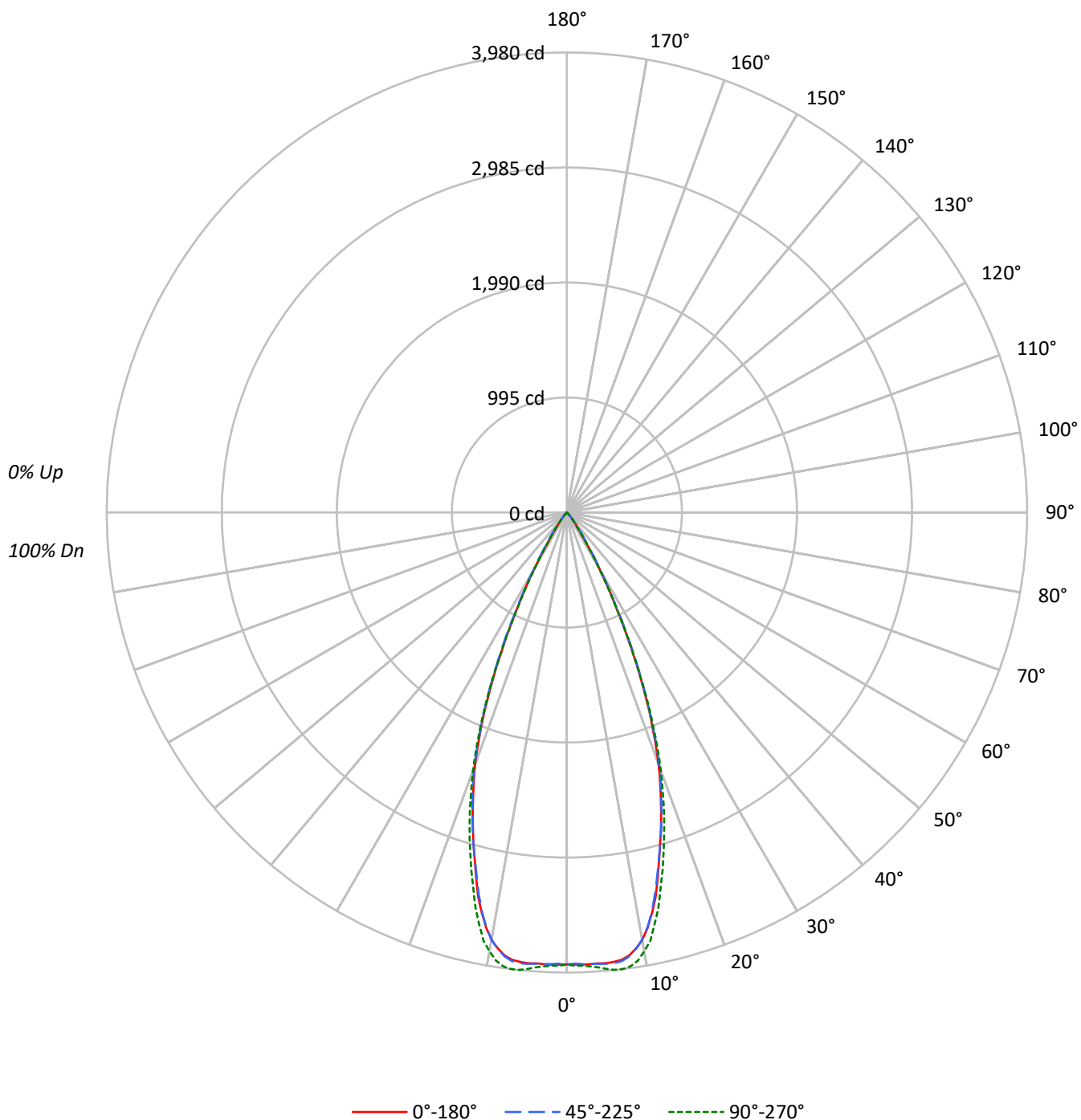
Lumens per Lamp: N/A  
Luminaire Lumens: 2023.0 lumens  
Efficiency: N/A  
Efficacy: 70.2 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 |  | 102 | 101 | 100 |  | 99  |
| 2   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 98  | 101 | 98  | 96  |  | 98  | 96  | 94  |  | 95  |
| 3   | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 91  |  | 94  | 91  | 89  |  | 92  |
| 4   | 101 | 95  | 91  | 87  | 100 | 94  | 90  | 87  | 92  | 88  | 86  |  | 90  | 87  | 85  |  | 88  |
| 5   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 82  | 88  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 6   | 94  | 86  | 82  | 78  | 93  | 86  | 81  | 78  | 84  | 80  | 77  |  | 83  | 79  | 77  |  | 82  |
| 7   | 90  | 83  | 78  | 74  | 89  | 82  | 77  | 74  | 81  | 77  | 74  |  | 80  | 76  | 73  |  | 79  |
| 8   | 87  | 79  | 74  | 71  | 86  | 79  | 74  | 71  | 78  | 73  | 70  |  | 77  | 73  | 70  |  | 76  |
| 9   | 84  | 76  | 71  | 68  | 83  | 75  | 71  | 68  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  |
| 10  | 81  | 73  | 68  | 65  | 80  | 72  | 68  | 65  | 72  | 67  | 65  |  | 71  | 67  | 64  |  | 70  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 673167 | 673167 | 673167 |
| 5°  | 676516 | 677795 | 685540 |
| 10° | 656428 | 655903 | 674160 |
| 15° | 550138 | 549871 | 570090 |
| 20° | 425291 | 429653 | 435664 |
| 25° | 260717 | 266094 | 261287 |
| 30° | 111802 | 116853 | 108243 |
| 35° | 35111  | 42322  | 34186  |
| 40° | 12073  | 15423  | 11736  |
| 45° | 2168   | 6527   | 1827   |
| 50° | 1206   | 2385   | 1206   |
| 55° | 1351   | 1351   | 1351   |
| 60° | 1033   | 1033   | 1033   |
| 65° | 1223   | 1223   | 1223   |
| 70° | 755    | 755    | 755    |
| 75° | 998    | 998    | 998    |
| 80° | 1488   | 1488   | 1488   |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6527 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 371.5  | 18.4      |
| 10°-20°   | 858.4  | 42.4      |
| 20°-30°   | 628.5  | 31.1      |
| 30°-40°   | 138.8  | 6.9       |
| 40°-50°   | 17.0   | 0.8       |
| 50°-60°   | 4.0    | 0.2       |
| 60°-70°   | 2.9    | 0.1       |
| 70°-80°   | 1.6    | 0.1       |
| 80°-90°   | 0.2    | 0.0       |
| 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°    | 1858.4 | 91.9      |
| 0°-40°    | 1997.3 | 98.7      |
| 0°-60°    | 2018.3 | 99.8      |
| 0°-90°    | 2023.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2023.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3909 | 3909  | 3909 | 3909  | 3909 |      |
| 5°  | 3913 | 3910  | 3921 | 3949  | 3965 | 370  |
| 15° | 3086 | 3069  | 3084 | 3159  | 3197 | 851  |
| 25° | 1372 | 1370  | 1400 | 1390  | 1375 | 621  |
| 35° | 167  | 176   | 201  | 176   | 163  | 132  |
| 45° | 9    | 15    | 27   | 15    | 8    | 12   |
| 55° | 4    | 4     | 4    | 4     | 4    | 4    |
| 65° | 3    | 3     | 3    | 3     | 3    | 3    |
| 75° | 2    | 2     | 2    | 2     | 2    | 2    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3908.7 | 3908.7 | 3908.7 | 3908.7 | 3908.7 |
| 1°    | 3911.7 | 3905.7 | 3904.2 | 3914.7 | 3922.1 |
| 2°    | 3914.7 | 3907.2 | 3908.7 | 3919.2 | 3923.6 |
| 3°    | 3911.7 | 3904.2 | 3911.7 | 3926.6 | 3932.6 |
| 4°    | 3910.2 | 3907.2 | 3914.7 | 3935.6 | 3946.0 |
| 5°    | 3913.2 | 3910.2 | 3920.6 | 3949.0 | 3965.4 |
| 6°    | 3908.7 | 3904.2 | 3919.2 | 3954.9 | 3978.8 |
| 7°    | 3898.3 | 3893.8 | 3910.2 | 3953.5 | 3980.3 |
| 8°    | 3869.9 | 3861.0 | 3877.4 | 3931.1 | 3963.9 |
| 9°    | 3819.2 | 3807.3 | 3823.7 | 3886.3 | 3925.1 |
| 10°   | 3753.6 | 3740.2 | 3750.6 | 3811.8 | 3855.0 |
| 11°   | 3659.7 | 3641.8 | 3653.7 | 3719.3 | 3776.0 |
| 12°   | 3540.4 | 3515.0 | 3529.9 | 3604.5 | 3644.8 |
| 13°   | 3410.6 | 3386.8 | 3389.7 | 3456.8 | 3513.5 |
| 14°   | 3249.6 | 3218.2 | 3231.7 | 3301.8 | 3346.5 |
| 15°   | 3085.5 | 3069.1 | 3084.0 | 3158.6 | 3197.4 |
| 17.5° | 2709.7 | 2708.2 | 2721.6 | 2776.8 | 2797.7 |
| 20°   | 2320.5 | 2324.9 | 2344.3 | 2374.2 | 2377.1 |
| 22.5° | 1859.7 | 1861.1 | 1882.0 | 1902.9 | 1898.4 |
| 25°   | 1372.0 | 1370.5 | 1400.3 | 1389.9 | 1375.0 |
| 27.5° | 909.7  | 915.7  | 942.5  | 923.1  | 908.2  |
| 30°   | 562.2  | 574.2  | 587.6  | 563.7  | 544.3  |
| 32.5° | 304.2  | 323.6  | 343.0  | 322.1  | 302.7  |
| 35°   | 167.0  | 176.0  | 201.3  | 176.0  | 162.6  |
| 37.5° | 96.9   | 101.4  | 117.8  | 101.4  | 92.5   |
| 40°   | 53.7   | 61.1   | 68.6   | 61.1   | 52.2   |
| 42.5° | 22.4   | 34.3   | 41.8   | 34.3   | 22.4   |
| 45°   | 8.9    | 14.9   | 26.8   | 14.9   | 7.5    |
| 47.5° | 4.5    | 6.0    | 16.4   | 6.0    | 4.5    |
| 50°   | 4.5    | 4.5    | 8.9    | 4.5    | 4.5    |
| 52.5° | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 55°   | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 57.5° | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 60°   | 3.0    | 3.0    | 3.0    | 4.5    | 3.0    |
| 62.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 65°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 67.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 70°   | 1.5    | 1.5    | 1.5    | 3.0    | 1.5    |
| 72.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 75°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 77.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 80°   | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)