

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: P1312730

Luminaire Tested: P3SQAS20R259727D010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R259727D010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

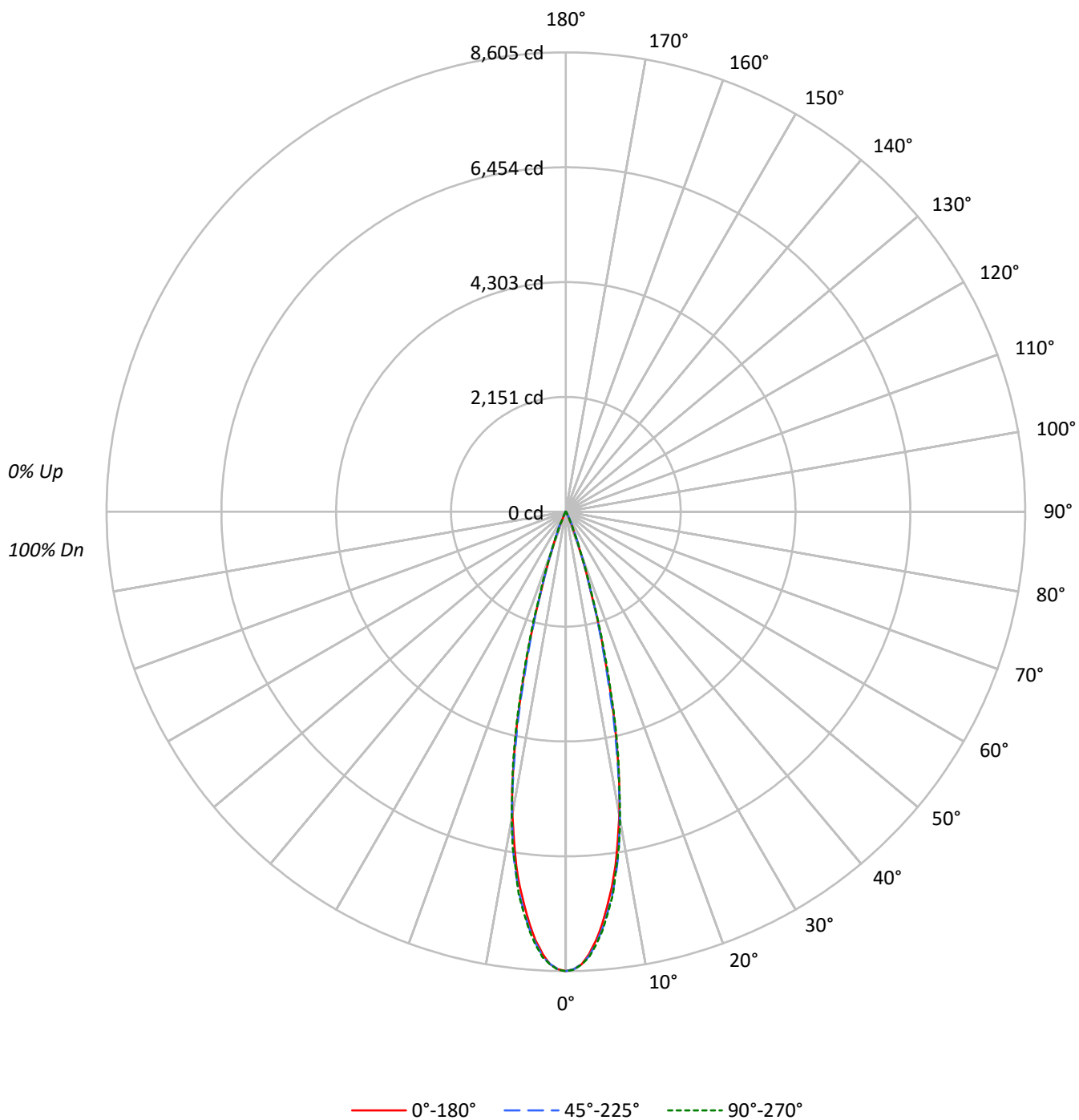
Lumens per Lamp: N/A  
Luminaire Lumens: 1588.0 lumens  
Efficiency: N/A  
Efficacy: 55.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 |
| 1   | 115 | 113 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 100 | 100 | 99  | 97  | 97  | 97  |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 | 101 | 100 | 98  | 99  | 97  | 96  | 95  | 95  | 95  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  | 99  | 97  | 95  | 97  | 95  | 94  | 93  | 93  | 93  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  | 97  | 94  | 93  | 95  | 93  | 92  | 91  | 91  | 91  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88  | 88  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  | 86  | 86  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 85  | 85  | 85  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 83  | 83  | 83  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81  | 81  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  | 85  | 82  | 80  | 85  | 82  | 80  | 80  | 80  | 80  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1481907 | 1481907 | 1481907 |
| 5°  | 1342901 | 1355141 | 1361745 |
| 10° | 1009527 | 1016714 | 1021418 |
| 15° | 499858  | 484971  | 517278  |
| 20° | 141177  | 143505  | 145063  |
| 25° | 24475   | 46271   | 29055   |
| 30° | 9565    | 9864    | 10142   |
| 35° | 2985    | 3280    | 3280    |
| 40° | 944     | 1281    | 944     |
| 45° | 682     | 341     | 682     |
| 50° | 375     | 0       | 375     |
| 55° | 420     | 0       | 420     |
| 60° | 0       | 0       | 0       |
| 65° | 0       | 0       | 0       |
| 70° | 0       | 0       | 0       |
| 75° | 0       | 0       | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 682 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 683.5  | 43.0      |
| 10°-20°   | 770.9  | 48.5      |
| 20°-30°   | 119.6  | 7.5       |
| 30°-40°   | 12.1   | 0.8       |
| 40°-50°   | 1.6    | 0.1       |
| 50°-60°   | 0.3    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 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°    | 1574.0 | 99.1      |
| 0°-40°    | 1586.1 | 99.9      |
| 0°-60°    | 1588.0 | 100.0     |
| 0°-90°    | 1588.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1588.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8605 | 8605  | 8605 | 8605  | 8605 |      |
| 5°  | 7768 | 7782  | 7839 | 7870  | 7877 | 677  |
| 15° | 2804 | 2784  | 2720 | 2842  | 2901 | 768  |
| 25° | 129  | 191   | 244  | 186   | 153  | 108  |
| 35° | 14   | 16    | 16   | 17    | 16   | 11   |
| 45° | 3    | 1     | 1    | 1     | 3    | 2    |
| 55° | 1    | 0     | 0    | 0     | 1    | 1    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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°    | 8604.6 | 8604.6 | 8604.6 | 8604.6 | 8604.6 |
| 1°    | 8569.2 | 8580.5 | 8567.8 | 8582.0 | 8580.5 |
| 2°    | 8480.0 | 8491.3 | 8475.8 | 8484.3 | 8484.3 |
| 3°    | 8297.4 | 8321.4 | 8335.6 | 8345.5 | 8354.0 |
| 4°    | 8056.6 | 8083.5 | 8104.8 | 8130.3 | 8130.3 |
| 5°    | 7767.8 | 7782.0 | 7838.6 | 7869.7 | 7876.8 |
| 6°    | 7423.7 | 7480.4 | 7522.8 | 7585.1 | 7546.9 |
| 7°    | 7079.7 | 7126.4 | 7185.8 | 7195.8 | 7222.7 |
| 8°    | 6688.9 | 6738.4 | 6793.6 | 6783.7 | 6761.1 |
| 9°    | 6213.1 | 6285.3 | 6350.4 | 6329.2 | 6357.5 |
| 10°   | 5772.7 | 5816.6 | 5813.8 | 5792.6 | 5840.7 |
| 11°   | 5261.6 | 5271.5 | 5216.3 | 5302.7 | 5250.3 |
| 12°   | 4655.6 | 4664.1 | 4593.3 | 4678.2 | 4732.0 |
| 13°   | 4075.0 | 4055.2 | 3957.5 | 4069.4 | 4137.3 |
| 14°   | 3406.7 | 3413.8 | 3289.2 | 3505.8 | 3488.9 |
| 15°   | 2803.5 | 2783.7 | 2720.0 | 2841.8 | 2901.2 |
| 17.5° | 1493.8 | 1506.6 | 1491.0 | 1551.9 | 1590.1 |
| 20°   | 770.3  | 791.5  | 783.0  | 808.5  | 791.5  |
| 22.5° | 399.3  | 429.0  | 437.5  | 417.7  | 363.9  |
| 25°   | 128.8  | 191.2  | 243.5  | 185.5  | 152.9  |
| 27.5° | 77.9   | 76.5   | 118.9  | 82.1   | 83.5   |
| 30°   | 48.1   | 46.7   | 49.6   | 49.6   | 51.0   |
| 32.5° | 26.9   | 28.3   | 26.9   | 29.7   | 28.3   |
| 35°   | 14.2   | 15.6   | 15.6   | 17.0   | 15.6   |
| 37.5° | 8.5    | 9.9    | 9.9    | 9.9    | 8.5    |
| 40°   | 4.2    | 5.7    | 5.7    | 4.2    | 4.2    |
| 42.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 45°   | 2.8    | 1.4    | 1.4    | 1.4    | 2.8    |
| 47.5° | 1.4    | 1.4    | 0.0    | 1.4    | 1.4    |
| 50°   | 1.4    | 1.4    | 0.0    | 1.4    | 1.4    |
| 52.5° | 1.4    | 0.0    | 0.0    | 0.0    | 1.4    |
| 55°   | 1.4    | 0.0    | 0.0    | 0.0    | 1.4    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)