

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: P1308316

Luminaire Tested: P3SQAS20R309030D010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308316  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R309030D010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

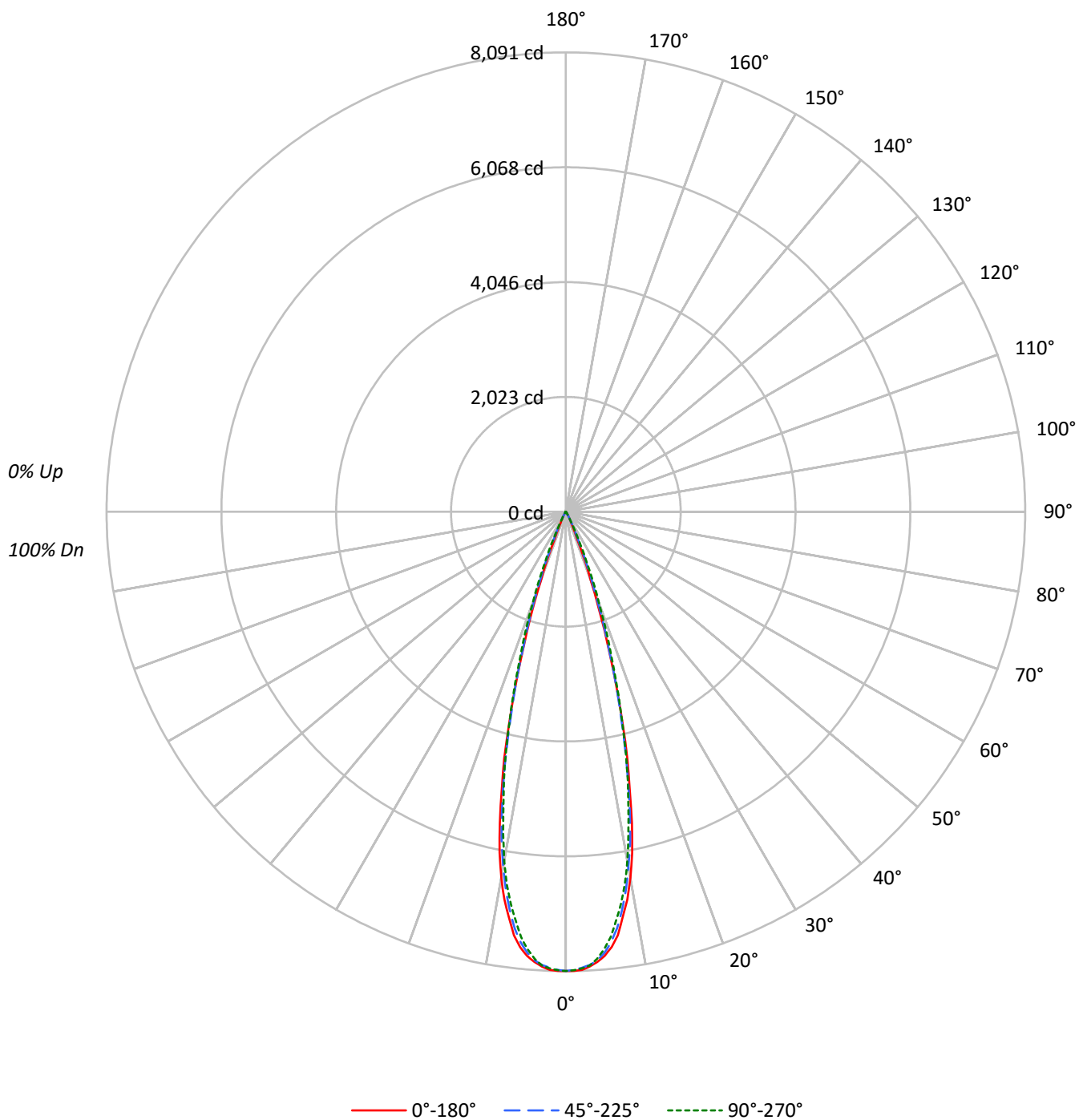
Lumens per Lamp: N/A  
Luminaire Lumens: 1960.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 96 | 96 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 93 | 93 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 91 | 91 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 88 | 88 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 87  | 86 | 86 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 83 | 83 |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 82  | 81 | 81 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  | 79 | 79 |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  | 77 | 77 |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 75 | 75 |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1393109 | 1393109 | 1393109 |
| 5°  | 1357233 | 1347897 | 1336798 |
| 10° | 1145390 | 1110222 | 1092192 |
| 15° | 690245  | 670971  | 683309  |
| 20° | 234134  | 270368  | 311862  |
| 25° | 43022   | 67440   | 79640   |
| 30° | 14796   | 16466   | 18475   |
| 35° | 4268    | 5319    | 5677    |
| 40° | 1147    | 1888    | 1529    |
| 45° | 414     | 414     | 414     |
| 50° | 455     | 0       | 455     |
| 55° | 0       | 0       | 0       |
| 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: 52.5°

Luminance: 481 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 699.5  | 35.7      |
| 10°-20°   | 1022.3 | 52.2      |
| 20°-30°   | 216.3  | 11.0      |
| 30°-40°   | 19.9   | 1.0       |
| 40°-50°   | 1.9    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 1938.0 | 98.9      |
| 0°-40°    | 1957.9 | 99.9      |
| 0°-60°    | 1960.0 | 100.0     |
| 0°-90°    | 1960.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1960.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8089 | 8089  | 8089 | 8089  | 8089 |      |
| 5°  | 7851 | 7836  | 7797 | 7773  | 7732 | 709  |
| 15° | 3871 | 3858  | 3763 | 3851  | 3832 | 1021 |
| 25° | 226  | 254   | 355  | 417   | 419  | 165  |
| 35° | 20   | 25    | 25   | 30    | 27   | 17   |
| 45° | 2    | 2     | 2    | 2     | 2    | 2    |
| 55° | 0    | 0     | 0    | 0     | 0    | 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°    | 8089.0 | 8089.0 | 8089.0 | 8089.0 | 8089.0 |
| 1°    | 8090.7 | 8082.2 | 8070.4 | 8087.3 | 8075.5 |
| 2°    | 8073.8 | 8053.5 | 8036.6 | 8053.5 | 8048.4 |
| 3°    | 8023.1 | 8006.2 | 7994.4 | 8002.8 | 8002.8 |
| 4°    | 7947.1 | 7928.5 | 7918.3 | 7920.0 | 7894.7 |
| 5°    | 7850.7 | 7835.5 | 7796.7 | 7773.0 | 7732.5 |
| 6°    | 7708.8 | 7671.6 | 7624.3 | 7585.4 | 7533.1 |
| 7°    | 7516.2 | 7458.7 | 7391.1 | 7323.5 | 7257.6 |
| 8°    | 7206.9 | 7179.9 | 7088.6 | 7043.0 | 6977.1 |
| 9°    | 6916.3 | 6850.4 | 6752.4 | 6678.0 | 6642.5 |
| 10°   | 6549.6 | 6451.6 | 6348.5 | 6289.4 | 6245.4 |
| 11°   | 6115.3 | 6015.6 | 5932.8 | 5846.7 | 5779.1 |
| 12°   | 5605.0 | 5520.5 | 5425.9 | 5368.4 | 5289.0 |
| 13°   | 5000.1 | 4988.2 | 4881.8 | 4863.2 | 4853.1 |
| 14°   | 4481.3 | 4434.0 | 4329.2 | 4358.0 | 4364.7 |
| 15°   | 3871.3 | 3857.8 | 3763.2 | 3851.0 | 3832.4 |
| 17.5° | 2424.8 | 2429.9 | 2489.1 | 2627.6 | 2671.5 |
| 20°   | 1277.5 | 1316.3 | 1475.2 | 1642.5 | 1701.6 |
| 22.5° | 517.1  | 603.3  | 765.5  | 878.7  | 954.7  |
| 25°   | 226.4  | 253.5  | 354.9  | 417.4  | 419.1  |
| 27.5° | 128.4  | 130.1  | 170.7  | 177.4  | 180.8  |
| 30°   | 74.4   | 76.0   | 82.8   | 87.9   | 92.9   |
| 32.5° | 40.6   | 43.9   | 45.6   | 52.4   | 52.4   |
| 35°   | 20.3   | 25.3   | 25.3   | 30.4   | 27.0   |
| 37.5° | 11.8   | 13.5   | 15.2   | 15.2   | 13.5   |
| 40°   | 5.1    | 6.8    | 8.4    | 8.4    | 6.8    |
| 42.5° | 1.7    | 3.4    | 3.4    | 3.4    | 5.1    |
| 45°   | 1.7    | 1.7    | 1.7    | 1.7    | 1.7    |
| 47.5° | 1.7    | 1.7    | 0.0    | 1.7    | 1.7    |
| 50°   | 1.7    | 0.0    | 0.0    | 0.0    | 1.7    |
| 52.5° | 1.7    | 0.0    | 0.0    | 0.0    | 1.7    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)