

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: P1308168

Luminaire Tested: P3SQAS17R309030DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308168  
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: P3SQAS17R309030DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

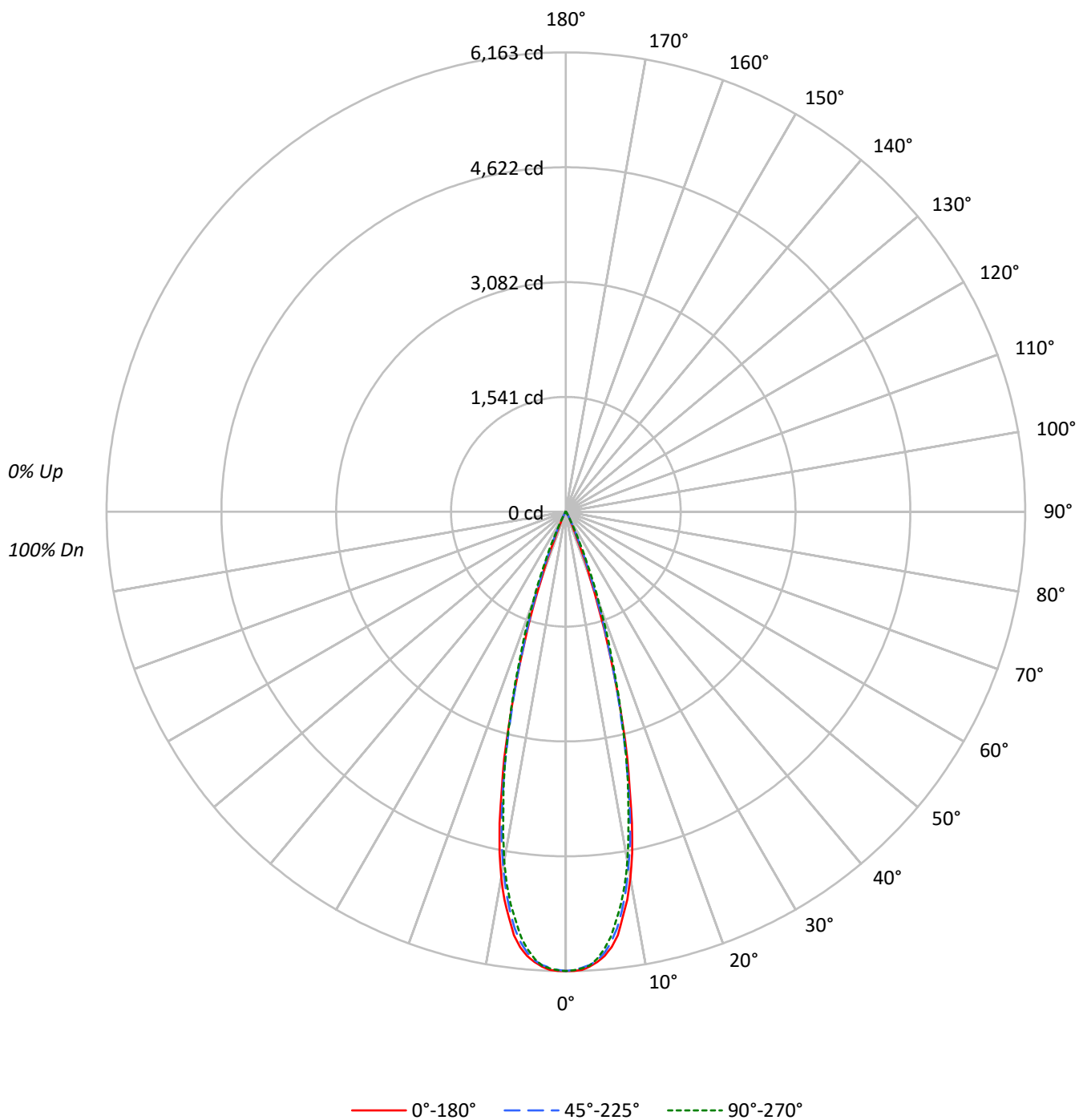
Lumens per Lamp: N/A  
Luminaire Lumens: 1493.0 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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°  | 1061184 | 1061184 | 1061184 |
| 5°  | 1033860 | 1026737 | 1018283 |
| 10° | 872491  | 845700  | 831972  |
| 15° | 525783  | 511091  | 520505  |
| 20° | 178345  | 205947  | 237562  |
| 25° | 32780   | 51364   | 60657   |
| 30° | 11256   | 12548   | 14080   |
| 35° | 3238    | 4058    | 4331    |
| 40° | 877     | 1439    | 1147    |
| 45° | 317     | 317     | 317     |
| 50° | 348     | 0       | 348     |
| 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: 368 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 532.8  | 35.7      |
| 10°-20°   | 778.7  | 52.2      |
| 20°-30°   | 164.8  | 11.0      |
| 30°-40°   | 15.2   | 1.0       |
| 40°-50°   | 1.5    | 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       |
| 0°-30°    | 1476.3 | 98.9      |
| 0°-40°    | 1491.4 | 99.9      |
| 0°-60°    | 1493.0 | 100.0     |
| 0°-90°    | 1493.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1493.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 6162 | 6162  | 6162 | 6162  | 6162 |      |
| 5°  | 5980 | 5969  | 5939 | 5921  | 5890 | 540  |
| 15° | 2949 | 2939  | 2866 | 2934  | 2919 | 778  |
| 25° | 172  | 193   | 270  | 318   | 319  | 126  |
| 35° | 15   | 19    | 19   | 23    | 21   | 13   |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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    | 0    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 6161.7 | 6161.7 | 6161.7 | 6161.7 | 6161.7 |
| 1°    | 6163.0 | 6156.5 | 6147.5 | 6160.4 | 6151.4 |
| 2°    | 6150.1 | 6134.6 | 6121.8 | 6134.6 | 6130.8 |
| 3°    | 6111.5 | 6098.6 | 6089.6 | 6096.0 | 6096.0 |
| 4°    | 6053.5 | 6039.4 | 6031.7 | 6033.0 | 6013.6 |
| 5°    | 5980.2 | 5968.6 | 5939.0 | 5921.0 | 5890.1 |
| 6°    | 5872.1 | 5843.7 | 5807.7 | 5778.1 | 5738.2 |
| 7°    | 5725.3 | 5681.6 | 5630.1 | 5578.6 | 5528.4 |
| 8°    | 5489.8 | 5469.2 | 5399.7 | 5364.9 | 5314.7 |
| 9°    | 5268.4 | 5218.2 | 5143.5 | 5086.9 | 5059.9 |
| 10°   | 4989.1 | 4914.4 | 4835.9 | 4790.8 | 4757.4 |
| 11°   | 4658.3 | 4582.3 | 4519.2 | 4453.6 | 4402.1 |
| 12°   | 4269.5 | 4205.2 | 4133.1 | 4089.3 | 4028.8 |
| 13°   | 3808.7 | 3799.7 | 3718.6 | 3704.5 | 3696.7 |
| 14°   | 3413.6 | 3377.5 | 3297.7 | 3319.6 | 3324.8 |
| 15°   | 2948.9 | 2938.6 | 2866.5 | 2933.5 | 2919.3 |
| 17.5° | 1847.1 | 1850.9 | 1896.0 | 2001.5 | 2035.0 |
| 20°   | 973.1  | 1002.7 | 1123.7 | 1251.1 | 1296.2 |
| 22.5° | 393.9  | 459.5  | 583.1  | 669.3  | 727.2  |
| 25°   | 172.5  | 193.1  | 270.3  | 317.9  | 319.2  |
| 27.5° | 97.8   | 99.1   | 130.0  | 135.2  | 137.7  |
| 30°   | 56.6   | 57.9   | 63.1   | 66.9   | 70.8   |
| 32.5° | 30.9   | 33.5   | 34.8   | 39.9   | 39.9   |
| 35°   | 15.4   | 19.3   | 19.3   | 23.2   | 20.6   |
| 37.5° | 9.0    | 10.3   | 11.6   | 11.6   | 10.3   |
| 40°   | 3.9    | 5.1    | 6.4    | 6.4    | 5.1    |
| 42.5° | 1.3    | 2.6    | 2.6    | 2.6    | 3.9    |
| 45°   | 1.3    | 1.3    | 1.3    | 1.3    | 1.3    |
| 47.5° | 1.3    | 1.3    | 0.0    | 1.3    | 1.3    |
| 50°   | 1.3    | 0.0    | 0.0    | 0.0    | 1.3    |
| 52.5° | 1.3    | 0.0    | 0.0    | 0.0    | 1.3    |
| 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)