

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: P1306078

Luminaire Tested: P3SQASS17R309024DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306078  
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: P3SQASS17R309024DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

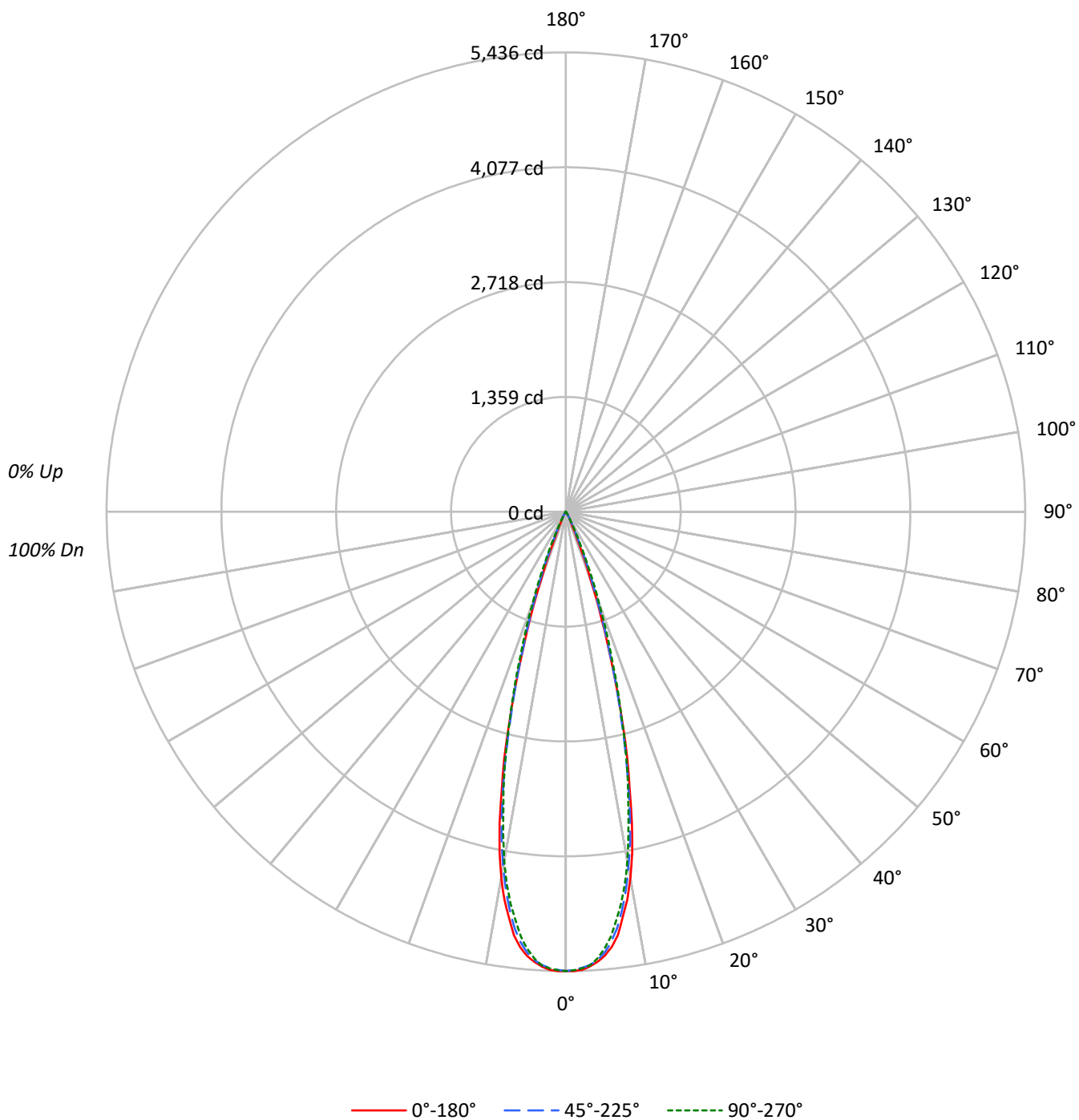
Lumens per Lamp: N/A  
Luminaire Lumens: 1317.0 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 936082 | 936082 | 936082 |
| 5°  | 911979 | 905704 | 898235 |
| 10° | 769627 | 746001 | 733899 |
| 15° | 463807 | 450844 | 459153 |
| 20° | 157324 | 181663 | 209557 |
| 25° | 28903  | 45302  | 53512  |
| 30° | 9943   | 11057  | 12409  |
| 35° | 2859   | 3574   | 3826   |
| 40° | 764    | 1281   | 1012   |
| 45° | 268    | 268    | 268    |
| 50° | 295    | 0      | 295    |
| 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: 311 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 470.0  | 35.7      |
| 10°-20°   | 686.9  | 52.2      |
| 20°-30°   | 145.3  | 11.0      |
| 30°-40°   | 13.4   | 1.0       |
| 40°-50°   | 1.3    | 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°    | 1302.2 | 98.9      |
| 0°-40°    | 1315.6 | 99.9      |
| 0°-60°    | 1317.0 | 100.0     |
| 0°-90°    | 1317.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1317.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5435 | 5435  | 5435 | 5435  | 5435 |      |
| 5°  | 5275 | 5265  | 5239 | 5223  | 5196 | 476  |
| 15° | 2601 | 2592  | 2529 | 2588  | 2575 | 686  |
| 25° | 152  | 170   | 238  | 280   | 282  | 111  |
| 35° | 14   | 17    | 17   | 20    | 18   | 11   |
| 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°    | 5435.3 | 5435.3 | 5435.3 | 5435.3 | 5435.3 |
| 1°    | 5436.4 | 5430.8 | 5422.8 | 5434.2 | 5426.2 |
| 2°    | 5425.1 | 5411.5 | 5400.1 | 5411.5 | 5408.1 |
| 3°    | 5391.0 | 5379.7 | 5371.7 | 5377.4 | 5377.4 |
| 4°    | 5339.9 | 5327.4 | 5320.6 | 5321.8 | 5304.7 |
| 5°    | 5275.2 | 5265.0 | 5238.9 | 5223.0 | 5195.7 |
| 6°    | 5179.8 | 5154.9 | 5123.1 | 5097.0 | 5061.8 |
| 7°    | 5050.4 | 5011.8 | 4966.4 | 4921.0 | 4876.7 |
| 8°    | 4842.6 | 4824.4 | 4763.1 | 4732.5 | 4688.2 |
| 9°    | 4647.3 | 4603.0 | 4537.2 | 4487.2 | 4463.4 |
| 10°   | 4400.9 | 4335.1 | 4265.8 | 4226.1 | 4196.6 |
| 11°   | 4109.1 | 4042.1 | 3986.5 | 3928.6 | 3883.2 |
| 12°   | 3766.2 | 3709.5 | 3645.9 | 3607.3 | 3553.9 |
| 13°   | 3359.7 | 3351.8 | 3280.3 | 3267.8 | 3261.0 |
| 14°   | 3011.2 | 2979.4 | 2909.0 | 2928.3 | 2932.8 |
| 15°   | 2601.3 | 2592.2 | 2528.6 | 2587.6 | 2575.2 |
| 17.5° | 1629.3 | 1632.8 | 1672.5 | 1765.6 | 1795.1 |
| 20°   | 858.4  | 884.5  | 991.2  | 1103.6 | 1143.4 |
| 22.5° | 347.4  | 405.3  | 514.4  | 590.4  | 641.5  |
| 25°   | 152.1  | 170.3  | 238.4  | 280.5  | 281.6  |
| 27.5° | 86.3   | 87.4   | 114.7  | 119.2  | 121.5  |
| 30°   | 50.0   | 51.1   | 55.6   | 59.0   | 62.4   |
| 32.5° | 27.3   | 29.5   | 30.7   | 35.2   | 35.2   |
| 35°   | 13.6   | 17.0   | 17.0   | 20.4   | 18.2   |
| 37.5° | 7.9    | 9.1    | 10.2   | 10.2   | 9.1    |
| 40°   | 3.4    | 4.5    | 5.7    | 5.7    | 4.5    |
| 42.5° | 1.1    | 2.3    | 2.3    | 2.3    | 3.4    |
| 45°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 47.5° | 1.1    | 1.1    | 0.0    | 1.1    | 1.1    |
| 50°   | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 52.5° | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 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)