

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: P1308135

Luminaire Tested: P3SQAS17R209030DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R209030DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

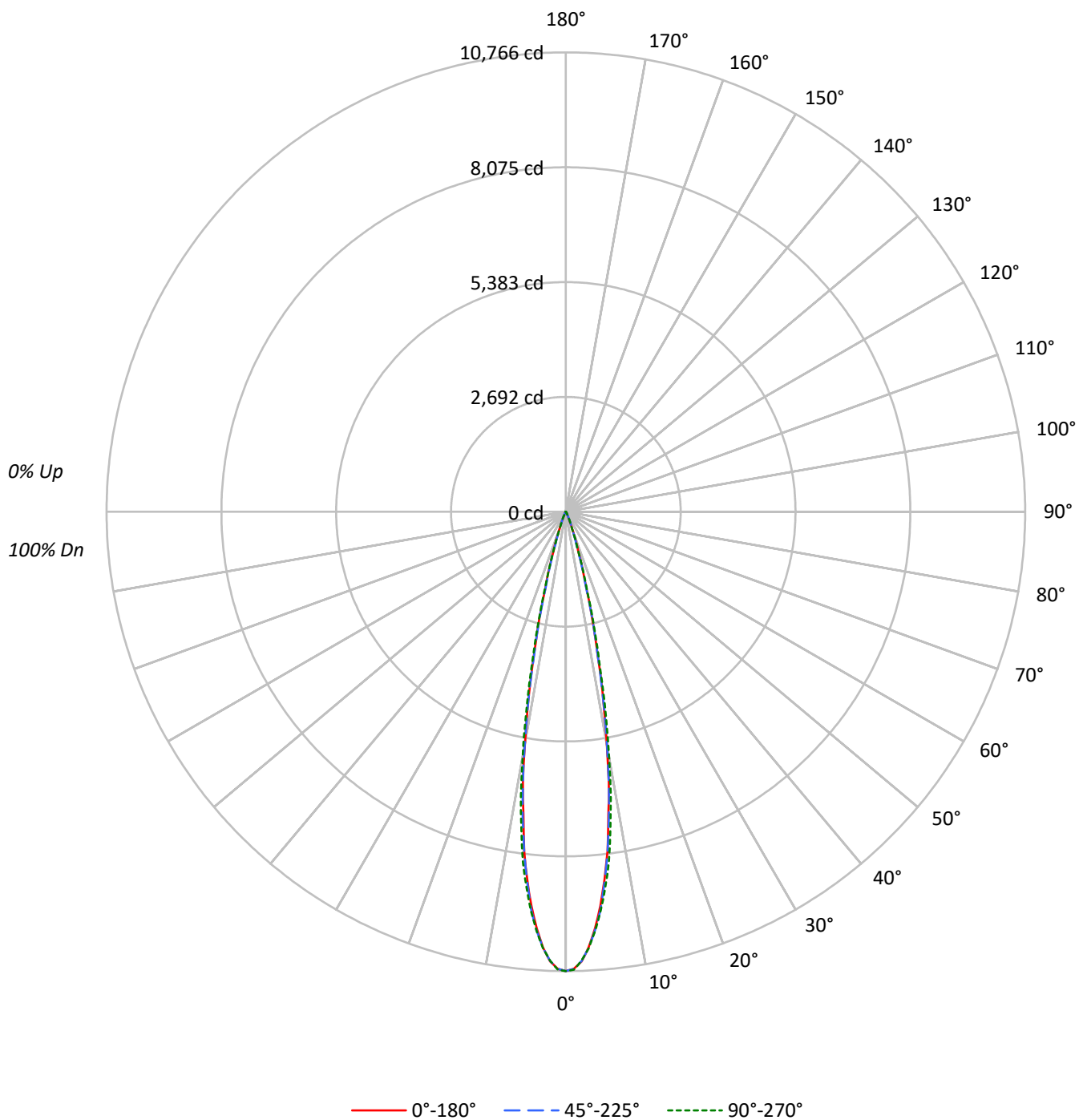
Lumens per Lamp: N/A  
Luminaire Lumens: 1446.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 lumens/watt  
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 92  | 92  | 92  | 91  |
| 6   | 103 | 98  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 89  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 91  | 88  | 86  | 90  | 87  | 86  | 89  | 87  | 85  | 85  | 85  | 85  |
| 10  | 95  | 90  | 87  | 85  | 95  | 90  | 87  | 85  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 86  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1854132 | 1854132 | 1854132 |
| 5°  | 1601755 | 1616675 | 1622691 |
| 10° | 964233  | 973239  | 1021681 |
| 15° | 333506  | 325697  | 351657  |
| 20° | 87587   | 82401   | 82639   |
| 25° | 19098   | 23012   | 26186   |
| 30° | 8193    | 8193    | 8452    |
| 35° | 4604    | 4058    | 4331    |
| 40° | 2023    | 2316    | 2608    |
| 45° | 633     | 950     | 950     |
| 50° | 348     | 348     | 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: 22.5°

Vertical Angle: 45°

Luminance: 950 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 770.0  | 53.3      |
| 10°-20°   | 586.3  | 40.5      |
| 20°-30°   | 72.5   | 5.0       |
| 30°-40°   | 13.7   | 0.9       |
| 40°-50°   | 3.3    | 0.2       |
| 50°-60°   | 0.2    | 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°    | 1428.8 | 98.8      |
| 0°-40°    | 1442.5 | 99.8      |
| 0°-60°    | 1446.0 | 100.0     |
| 0°-90°    | 1446.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1446.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 10766 | 10766 | 10766 | 10766 | 10766 |      |
| 5°  | 9265  | 9259  | 9351  | 9345  | 9386  | 764  |
| 15° | 1870  | 1804  | 1827  | 1936  | 1972  | 586  |
| 25° | 100   | 115   | 121   | 126   | 138   | 69   |
| 35° | 22    | 22    | 19    | 21    | 21    | 14   |
| 45° | 3     | 4     | 4     | 4     | 4     | 3    |
| 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     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 10765.9 | 10765.9 | 10765.9 | 10765.9 | 10765.9 |
| 1°    | 10715.7 | 10702.8 | 10713.1 | 10691.2 | 10736.3 |
| 2°    | 10544.3 | 10531.4 | 10531.4 | 10518.6 | 10525.0 |
| 3°    | 10224.8 | 10245.4 | 10232.6 | 10205.5 | 10240.3 |
| 4°    | 9789.4  | 9812.6  | 9833.2  | 9834.5  | 9839.6  |
| 5°    | 9265.1  | 9258.6  | 9351.4  | 9345.0  | 9386.2  |
| 6°    | 8667.3  | 8659.6  | 8699.5  | 8766.5  | 8849.0  |
| 7°    | 8010.3  | 7916.3  | 8023.2  | 8158.5  | 8269.3  |
| 8°    | 7160.1  | 7184.6  | 7258.0  | 7417.7  | 7506.6  |
| 9°    | 6438.7  | 6295.7  | 6451.5  | 6642.2  | 6738.8  |
| 10°   | 5513.7  | 5397.8  | 5565.2  | 5766.2  | 5842.2  |
| 12.5° | 3470.5  | 3370.1  | 3424.2  | 3635.4  | 3668.9  |
| 15°   | 1870.5  | 1803.5  | 1826.7  | 1936.2  | 1972.3  |
| 17.5° | 954.6   | 894.0   | 881.2   | 950.7   | 958.5   |
| 20°   | 477.9   | 463.8   | 449.6   | 456.0   | 450.9   |
| 22.5° | 221.6   | 240.9   | 238.3   | 225.4   | 240.9   |
| 25°   | 100.5   | 114.7   | 121.1   | 126.2   | 137.8   |
| 27.5° | 61.8    | 59.3    | 68.3    | 73.4    | 74.7    |
| 30°   | 41.2    | 39.9    | 41.2    | 42.5    | 42.5    |
| 32.5° | 29.6    | 28.3    | 27.1    | 27.1    | 28.3    |
| 35°   | 21.9    | 21.9    | 19.3    | 20.6    | 20.6    |
| 37.5° | 15.5    | 15.5    | 14.2    | 15.5    | 15.5    |
| 40°   | 9.0     | 10.3    | 10.3    | 10.3    | 11.6    |
| 42.5° | 5.2     | 6.4     | 6.4     | 6.4     | 6.4     |
| 45°   | 2.6     | 3.9     | 3.9     | 3.9     | 3.9     |
| 47.5° | 1.3     | 1.3     | 1.3     | 2.6     | 2.6     |
| 50°   | 1.3     | 1.3     | 1.3     | 1.3     | 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     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)