

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: P1317090

Luminaire Tested: P3SQAS13R209830DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317090  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R209830DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

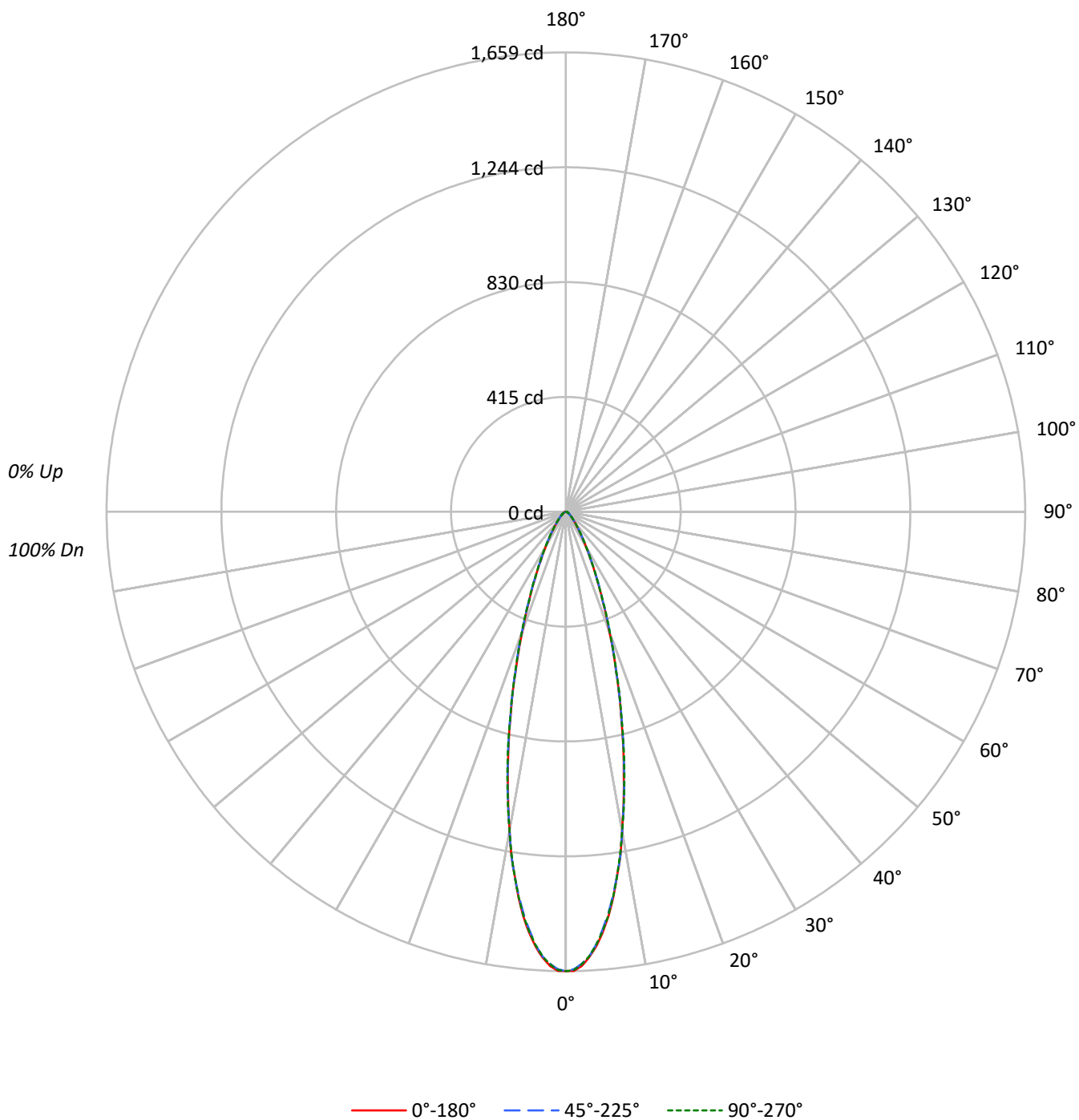
Lumens per Lamp: N/A  
Luminaire Lumens: 583.0 lumens  
Efficiency: N/A  
Efficacy: 40.2 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 96  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 84  | 82  |  | 86  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 82  | 79  | 86  | 81  | 78  |  | 84  | 80  | 77  |  | 82  |
| 6   | 92  | 84  | 79  | 75  | 90  | 83  | 78  | 75  | 82  | 77  | 74  |  | 80  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 78  | 74  | 71  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 71  | 68  | 75  | 71  | 68  |  | 74  | 70  | 67  |  | 73  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 68  | 65  | 72  | 68  | 65  |  | 71  | 67  | 65  |  | 71  |
| 10  | 79  | 71  | 66  | 62  | 78  | 70  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 285717 | 285717 | 285717 |
| 5°  | 263591 | 262070 | 262951 |
| 10° | 204539 | 204801 | 204801 |
| 15° | 138252 | 138894 | 138894 |
| 20° | 83959  | 85022  | 85425  |
| 25° | 49255  | 49939  | 49806  |
| 30° | 28736  | 29313  | 29452  |
| 35° | 17555  | 18018  | 18018  |
| 40° | 11421  | 11578  | 11758  |
| 45° | 7964   | 8135   | 8305   |
| 50° | 5841   | 6028   | 6028   |
| 55° | 4564   | 4804   | 4804   |
| 60° | 3996   | 3996   | 4237   |
| 65° | 3545   | 3545   | 3831   |
| 70° | 3273   | 3273   | 3273   |
| 75° | 2928   | 2928   | 2928   |
| 80° | 2182   | 2182   | 2876   |
| 85° | 1383   | 1383   | 2964   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8305 cd/sqm

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CATALOG NUMBER: P3SQAS13R209830DE010 E3SQPHL1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 133.8  | 22.9      |
| 10°-20°   | 214.2  | 36.7      |
| 20°-30°   | 124.1  | 21.3      |
| 30°-40°   | 55.6   | 9.5       |
| 40°-50°   | 26.4   | 4.5       |
| 50°-60°   | 14.5   | 2.5       |
| 60°-70°   | 8.8    | 1.5       |
| 70°-80°   | 4.7    | 0.8       |
| 80°-90°   | 1.0    | 0.2       |
| 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°    | 472.1  | 81.0      |
| 0°-40°    | 527.7  | 90.5      |
| 0°-60°    | 568.5  | 97.5      |
| 0°-90°    | 583.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 583.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1659 | 1659  | 1659 | 1659  | 1659 |      |
| 5°  | 1525 | 1520  | 1516 | 1519  | 1521 | 134  |
| 15° | 775  | 775   | 779  | 775   | 779  | 214  |
| 25° | 259  | 259   | 263  | 261   | 262  | 123  |
| 35° | 84   | 84    | 86   | 86    | 86   | 54   |
| 45° | 33   | 33    | 33   | 33    | 34   | 26   |
| 55° | 15   | 15    | 16   | 16    | 16   | 14   |
| 65° | 9    | 9     | 9    | 9     | 9    | 9    |
| 75° | 4    | 4     | 4    | 4     | 4    | 5    |
| 85° | 1    | 1     | 1    | 1     | 2    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1317090

CATALOG NUMBER: P3SQAS13R209830DE010 E3SQPHL1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1659.0 | 1659.0 | 1659.0 | 1659.0 | 1659.0 |
| 1°    | 1658.2 | 1653.9 | 1652.4 | 1651.0 | 1655.3 |
| 2°    | 1641.5 | 1636.5 | 1633.6 | 1635.0 | 1635.7 |
| 3°    | 1611.8 | 1608.9 | 1608.9 | 1606.7 | 1608.1 |
| 4°    | 1573.3 | 1567.5 | 1567.5 | 1568.2 | 1568.2 |
| 5°    | 1524.7 | 1519.6 | 1515.9 | 1518.8 | 1521.0 |
| 6°    | 1470.2 | 1463.7 | 1460.8 | 1461.5 | 1466.6 |
| 7°    | 1403.4 | 1394.7 | 1396.1 | 1399.8 | 1399.8 |
| 8°    | 1327.9 | 1327.2 | 1328.6 | 1327.2 | 1328.6 |
| 9°    | 1258.2 | 1248.0 | 1256.7 | 1249.5 | 1253.1 |
| 10°   | 1169.6 | 1168.9 | 1171.1 | 1173.3 | 1171.1 |
| 12.5° | 967.8  | 971.4  | 972.9  | 970.0  | 976.5  |
| 15°   | 775.4  | 775.4  | 779.0  | 775.4  | 779.0  |
| 17.5° | 603.3  | 602.6  | 605.5  | 602.6  | 607.0  |
| 20°   | 458.1  | 463.2  | 463.9  | 463.9  | 466.1  |
| 22.5° | 345.6  | 345.6  | 348.5  | 349.2  | 347.8  |
| 25°   | 259.2  | 259.2  | 262.8  | 260.6  | 262.1  |
| 27.5° | 191.7  | 193.1  | 196.0  | 197.5  | 197.5  |
| 30°   | 144.5  | 145.2  | 147.4  | 148.1  | 148.1  |
| 32.5° | 108.9  | 110.4  | 111.8  | 112.5  | 113.3  |
| 35°   | 83.5   | 84.2   | 85.7   | 86.4   | 85.7   |
| 37.5° | 63.9   | 64.6   | 66.1   | 66.8   | 66.8   |
| 40°   | 50.8   | 50.8   | 51.5   | 52.3   | 52.3   |
| 42.5° | 39.9   | 40.7   | 40.7   | 41.4   | 41.4   |
| 45°   | 32.7   | 32.7   | 33.4   | 33.4   | 34.1   |
| 47.5° | 26.1   | 26.1   | 26.9   | 27.6   | 27.6   |
| 50°   | 21.8   | 21.8   | 22.5   | 22.5   | 22.5   |
| 52.5° | 18.2   | 18.2   | 18.9   | 18.9   | 18.9   |
| 55°   | 15.2   | 15.2   | 16.0   | 16.0   | 16.0   |
| 57.5° | 13.1   | 13.1   | 13.8   | 13.8   | 13.8   |
| 60°   | 11.6   | 11.6   | 11.6   | 11.6   | 12.3   |
| 62.5° | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 65°   | 8.7    | 8.7    | 8.7    | 8.7    | 9.4    |
| 67.5° | 7.3    | 7.3    | 7.3    | 7.3    | 8.0    |
| 70°   | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    |
| 72.5° | 5.1    | 5.1    | 5.1    | 5.8    | 5.8    |
| 75°   | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    |
| 77.5° | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 80°   | 2.2    | 2.2    | 2.2    | 2.9    | 2.9    |
| 82.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 85°   | 0.7    | 0.7    | 0.7    | 0.7    | 1.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)