

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: P1315378

Luminaire Tested: P3SQAS13R359740DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315378  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359740DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

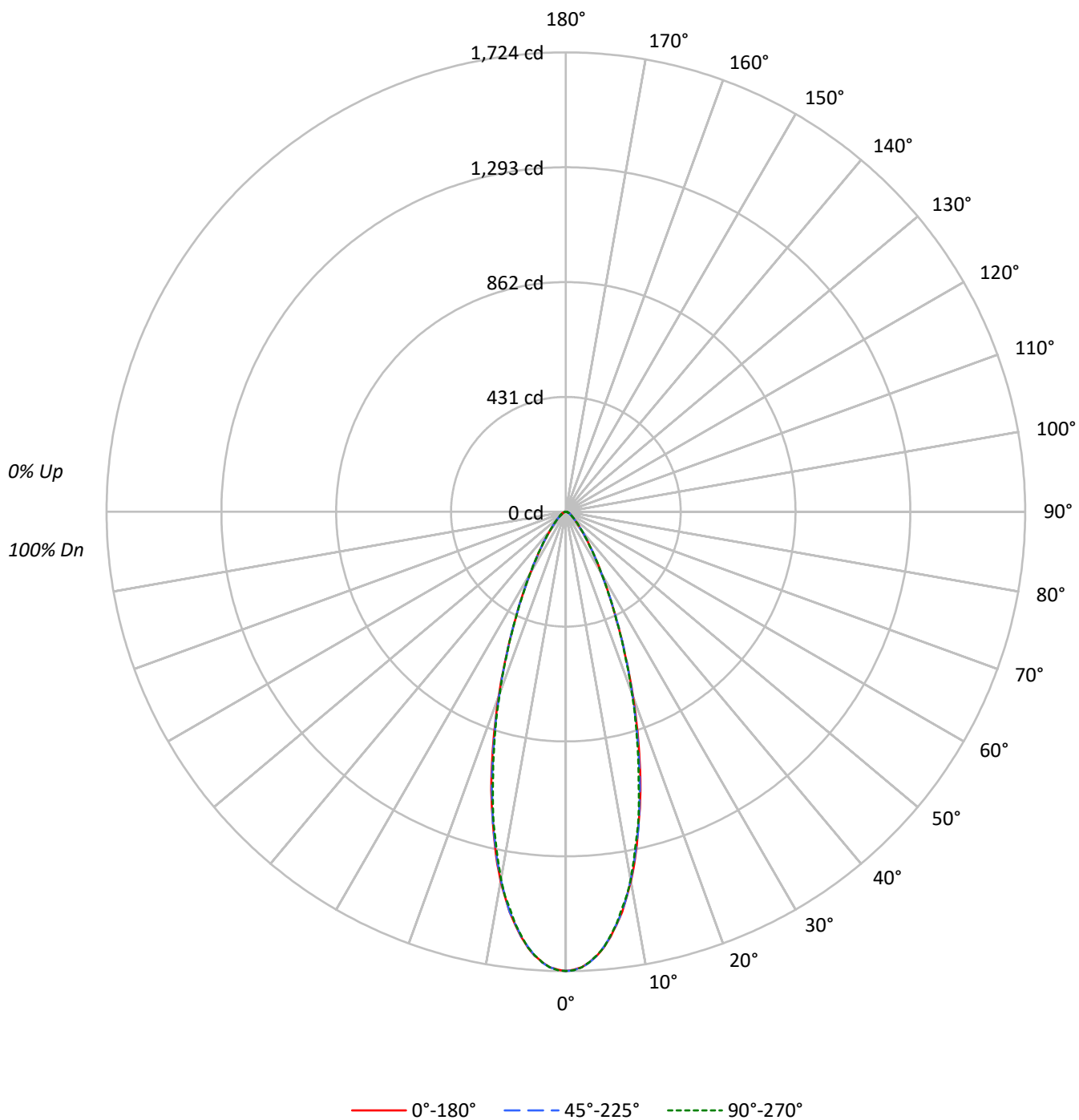
Lumens per Lamp: N/A  
Luminaire Lumens: 850.0 lumens  
Efficiency: N/A  
Efficacy: 58.2 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 296826 | 296826 | 296826 |
| 5°  | 283645 | 283144 | 283645 |
| 10° | 246230 | 245408 | 245076 |
| 15° | 192954 | 191439 | 188407 |
| 20° | 134982 | 133773 | 132911 |
| 25° | 85721  | 86272  | 85721  |
| 30° | 52819  | 53197  | 52819  |
| 35° | 32672  | 32861  | 32861  |
| 40° | 20751  | 20953  | 20953  |
| 45° | 14005  | 14224  | 14443  |
| 50° | 10101  | 10342  | 10342  |
| 55° | 7927   | 7927   | 7927   |
| 60° | 6476   | 6476   | 6476   |
| 65° | 5746   | 5746   | 5746   |
| 70° | 5237   | 5237   | 5237   |
| 75° | 4392   | 4392   | 4392   |
| 80° | 3769   | 3769   | 3769   |
| 85° | 1778   | 1778   | 3754   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 14443 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 148.9  | 17.5      |
| 10°-20°   | 293.3  | 34.5      |
| 20°-30°   | 211.6  | 24.9      |
| 30°-40°   | 102.0  | 12.0      |
| 40°-50°   | 47.0   | 5.5       |
| 50°-60°   | 24.3   | 2.9       |
| 60°-70°   | 14.0   | 1.7       |
| 70°-80°   | 7.1    | 0.8       |
| 80°-90°   | 1.6    | 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       |
| 0°-30°    | 653.8  | 76.9      |
| 0°-40°    | 755.8  | 88.9      |
| 0°-60°    | 827.2  | 97.3      |
| 0°-90°    | 850.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 850.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1724 | 1724  | 1724 | 1724  | 1724 |      |
| 5°  | 1641 | 1644  | 1638 | 1639  | 1641 | 149  |
| 15° | 1082 | 1080  | 1074 | 1069  | 1057 | 295  |
| 25° | 451  | 452   | 454  | 454   | 451  | 212  |
| 35° | 155  | 155   | 156  | 156   | 156  | 101  |
| 45° | 58   | 58    | 58   | 59    | 59   | 46   |
| 55° | 26   | 26    | 26   | 26    | 26   | 24   |
| 65° | 14   | 14    | 14   | 14    | 14   | 14   |
| 75° | 7    | 7     | 7    | 7     | 7    | 7    |
| 85° | 1    | 1     | 1    | 1     | 2    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1723.5 | 1723.5 | 1723.5 | 1723.5 | 1723.5 |
| 1°    | 1718.8 | 1721.7 | 1720.7 | 1721.7 | 1720.7 |
| 2°    | 1710.4 | 1712.2 | 1710.4 | 1711.3 | 1711.3 |
| 3°    | 1692.5 | 1694.3 | 1694.3 | 1693.4 | 1692.5 |
| 4°    | 1670.8 | 1675.5 | 1670.8 | 1671.7 | 1668.9 |
| 5°    | 1640.7 | 1644.4 | 1637.8 | 1638.8 | 1640.7 |
| 6°    | 1603.9 | 1604.9 | 1603.0 | 1602.0 | 1600.2 |
| 7°    | 1561.5 | 1565.3 | 1558.7 | 1559.7 | 1557.8 |
| 8°    | 1516.3 | 1515.4 | 1515.4 | 1511.6 | 1506.0 |
| 9°    | 1461.7 | 1465.5 | 1459.8 | 1457.9 | 1458.9 |
| 10°   | 1408.0 | 1408.0 | 1403.3 | 1398.6 | 1401.4 |
| 11°   | 1346.8 | 1344.9 | 1342.1 | 1335.5 | 1333.6 |
| 12°   | 1279.9 | 1283.7 | 1275.2 | 1272.4 | 1265.8 |
| 13°   | 1211.2 | 1216.8 | 1213.1 | 1202.7 | 1203.7 |
| 14°   | 1147.1 | 1143.4 | 1140.5 | 1138.7 | 1132.1 |
| 15°   | 1082.2 | 1080.3 | 1073.7 | 1069.0 | 1056.7 |
| 17.5° | 904.2  | 906.0  | 893.8  | 891.9  | 887.2  |
| 20°   | 736.5  | 730.9  | 729.9  | 730.9  | 725.2  |
| 22.5° | 581.1  | 586.8  | 580.2  | 581.1  | 577.3  |
| 25°   | 451.1  | 452.1  | 454.0  | 454.0  | 451.1  |
| 27.5° | 350.4  | 350.4  | 348.5  | 350.4  | 347.5  |
| 30°   | 265.6  | 265.6  | 267.5  | 269.4  | 265.6  |
| 32.5° | 205.3  | 205.3  | 205.3  | 206.3  | 207.2  |
| 35°   | 155.4  | 155.4  | 156.3  | 156.3  | 156.3  |
| 37.5° | 119.6  | 120.6  | 121.5  | 121.5  | 121.5  |
| 40°   | 92.3   | 93.2   | 93.2   | 94.2   | 93.2   |
| 42.5° | 73.5   | 73.5   | 73.5   | 74.4   | 74.4   |
| 45°   | 57.5   | 58.4   | 58.4   | 59.3   | 59.3   |
| 47.5° | 47.1   | 47.1   | 47.1   | 48.0   | 48.0   |
| 50°   | 37.7   | 38.6   | 38.6   | 38.6   | 38.6   |
| 52.5° | 31.1   | 31.1   | 32.0   | 32.0   | 32.0   |
| 55°   | 26.4   | 26.4   | 26.4   | 26.4   | 26.4   |
| 57.5° | 21.7   | 22.6   | 22.6   | 22.6   | 22.6   |
| 60°   | 18.8   | 18.8   | 18.8   | 18.8   | 18.8   |
| 62.5° | 16.0   | 16.0   | 16.0   | 16.0   | 16.0   |
| 65°   | 14.1   | 14.1   | 14.1   | 14.1   | 14.1   |
| 67.5° | 11.3   | 12.2   | 12.2   | 12.2   | 12.2   |
| 70°   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   |
| 72.5° | 7.5    | 8.5    | 8.5    | 8.5    | 8.5    |
| 75°   | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    |
| 77.5° | 5.7    | 4.7    | 4.7    | 4.7    | 5.7    |
| 80°   | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 82.5° | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    |
| 85°   | 0.9    | 0.9    | 0.9    | 0.9    | 1.9    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.9    | 0.9    |



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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)