

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: P1311279

Luminaire Tested: P3SQAS13R159050DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311279  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R159050DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

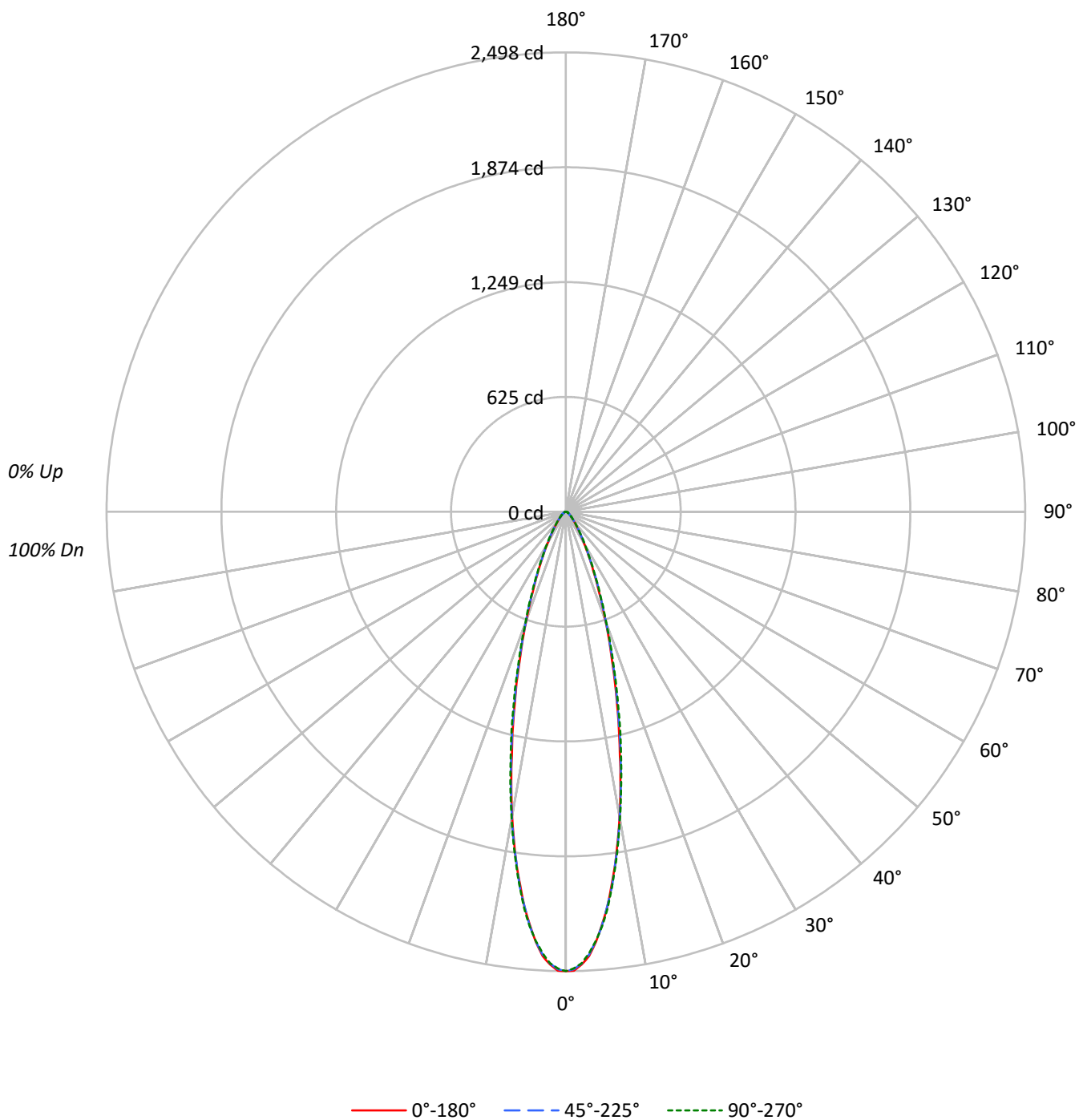
Lumens per Lamp: N/A  
Luminaire Lumens: 826.0 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |     |     | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  | 97  | 96  | 94  |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  |  | 97  | 94  | 92  |  | 94  | 92  | 90  | 89  |
| 3   | 104 | 98  | 94  | 90  | 102 | 97  | 93  | 89  | 94  | 91  | 88  |  | 92  | 89  | 87  |  | 90  | 87  | 85  | 84  |
| 4   | 100 | 93  | 88  | 84  | 98  | 92  | 87  | 84  | 90  | 86  | 83  |  | 88  | 85  | 82  |  | 86  | 83  | 81  | 80  |
| 5   | 96  | 88  | 83  | 79  | 94  | 87  | 83  | 79  | 86  | 82  | 78  |  | 84  | 80  | 78  |  | 83  | 79  | 77  | 76  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 78  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  | 76  | 73  | 72  |
| 7   | 88  | 80  | 75  | 71  | 87  | 80  | 75  | 71  | 79  | 74  | 71  |  | 77  | 74  | 71  |  | 76  | 73  | 70  | 69  |
| 8   | 85  | 77  | 72  | 68  | 84  | 76  | 72  | 68  | 75  | 71  | 68  |  | 74  | 70  | 68  |  | 74  | 70  | 67  | 66  |
| 9   | 82  | 74  | 69  | 65  | 81  | 73  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  | 67  | 65  | 64  |
| 10  | 79  | 71  | 66  | 63  | 78  | 71  | 66  | 63  | 70  | 66  | 63  |  | 69  | 65  | 62  |  | 69  | 65  | 62  | 61  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 430178 | 430178 | 430178 |
| 5°  | 389638 | 390381 | 390935 |
| 10° | 294165 | 294917 | 296403 |
| 15° | 190815 | 192883 | 196663 |
| 20° | 114877 | 116252 | 117791 |
| 25° | 67117  | 68524  | 69531  |
| 30° | 39435  | 40708  | 41344  |
| 35° | 24304  | 25208  | 25650  |
| 40° | 15985  | 16457  | 16682  |
| 45° | 11106  | 11374  | 11618  |
| 50° | 8252   | 8520   | 8815   |
| 55° | 6696   | 6996   | 6996   |
| 60° | 5856   | 5856   | 5856   |
| 65° | 5175   | 5175   | 5175   |
| 70° | 4280   | 4784   | 4784   |
| 75° | 4259   | 4259   | 4259   |
| 80° | 3174   | 4166   | 4166   |
| 85° | 2174   | 2174   | 2174   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 11618 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 196.7  | 23.8      |
| 10°-20°   | 300.8  | 36.4      |
| 20°-30°   | 171.0  | 20.7      |
| 30°-40°   | 78.0   | 9.4       |
| 40°-50°   | 37.4   | 4.5       |
| 50°-60°   | 20.9   | 2.5       |
| 60°-70°   | 12.8   | 1.5       |
| 70°-80°   | 6.8    | 0.8       |
| 80°-90°   | 1.5    | 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°    | 668.6  | 80.9      |
| 0°-40°    | 746.6  | 90.4      |
| 0°-60°    | 804.9  | 97.5      |
| 0°-90°    | 826.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 826.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2498 | 2498  | 2498 | 2498  | 2498 |      |
| 5°  | 2254 | 2253  | 2258 | 2258  | 2261 | 197  |
| 15° | 1070 | 1076  | 1082 | 1097  | 1103 | 297  |
| 25° | 353  | 353   | 361  | 364   | 366  | 168  |
| 35° | 116  | 118   | 120  | 122   | 122  | 76   |
| 45° | 46   | 46    | 47   | 48    | 48   | 36   |
| 55° | 22   | 22    | 23   | 23    | 23   | 20   |
| 65° | 13   | 13    | 13   | 13    | 13   | 13   |
| 75° | 6    | 6     | 6    | 6     | 6    | 7    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2497.8 | 2497.8 | 2497.8 | 2497.8 | 2497.8 |
| 1°    | 2495.6 | 2489.3 | 2487.2 | 2486.1 | 2484.0 |
| 2°    | 2463.8 | 2458.5 | 2457.5 | 2457.5 | 2456.4 |
| 3°    | 2419.3 | 2409.7 | 2410.8 | 2407.6 | 2404.4 |
| 4°    | 2344.0 | 2339.7 | 2341.9 | 2344.0 | 2339.7 |
| 5°    | 2253.8 | 2252.8 | 2258.1 | 2258.1 | 2261.3 |
| 6°    | 2160.5 | 2159.4 | 2156.2 | 2164.7 | 2169.0 |
| 7°    | 2041.7 | 2048.1 | 2056.6 | 2052.3 | 2055.5 |
| 8°    | 1933.5 | 1926.1 | 1929.3 | 1939.9 | 1940.9 |
| 9°    | 1806.2 | 1800.9 | 1814.7 | 1819.0 | 1820.0 |
| 10°   | 1682.1 | 1687.5 | 1686.4 | 1701.2 | 1694.9 |
| 12.5° | 1358.7 | 1367.1 | 1376.7 | 1383.1 | 1389.4 |
| 15°   | 1070.2 | 1075.5 | 1081.8 | 1096.7 | 1103.0 |
| 17.5° | 823.0  | 829.4  | 835.8  | 848.5  | 850.6  |
| 20°   | 626.8  | 630.0  | 634.3  | 645.9  | 642.7  |
| 22.5° | 468.8  | 474.1  | 478.3  | 483.6  | 486.8  |
| 25°   | 353.2  | 353.2  | 360.6  | 363.8  | 365.9  |
| 27.5° | 263.0  | 265.2  | 270.5  | 274.7  | 273.6  |
| 30°   | 198.3  | 201.5  | 204.7  | 206.8  | 207.9  |
| 32.5° | 152.7  | 152.7  | 155.9  | 159.1  | 160.2  |
| 35°   | 115.6  | 117.7  | 119.9  | 122.0  | 122.0  |
| 37.5° | 90.2   | 91.2   | 93.3   | 94.4   | 94.4   |
| 40°   | 71.1   | 71.1   | 73.2   | 74.2   | 74.2   |
| 42.5° | 56.2   | 57.3   | 58.3   | 59.4   | 59.4   |
| 45°   | 45.6   | 45.6   | 46.7   | 47.7   | 47.7   |
| 47.5° | 37.1   | 37.1   | 38.2   | 39.2   | 39.2   |
| 50°   | 30.8   | 31.8   | 31.8   | 32.9   | 32.9   |
| 52.5° | 26.5   | 26.5   | 26.5   | 27.6   | 27.6   |
| 55°   | 22.3   | 22.3   | 23.3   | 23.3   | 23.3   |
| 57.5° | 19.1   | 19.1   | 19.1   | 20.2   | 20.2   |
| 60°   | 17.0   | 17.0   | 17.0   | 17.0   | 17.0   |
| 62.5° | 14.8   | 14.8   | 14.8   | 14.8   | 14.8   |
| 65°   | 12.7   | 12.7   | 12.7   | 12.7   | 12.7   |
| 67.5° | 10.6   | 10.6   | 10.6   | 11.7   | 11.7   |
| 70°   | 8.5    | 9.5    | 9.5    | 9.5    | 9.5    |
| 72.5° | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    |
| 75°   | 6.4    | 6.4    | 6.4    | 6.4    | 6.4    |
| 77.5° | 5.3    | 5.3    | 5.3    | 5.3    | 5.3    |
| 80°   | 3.2    | 4.2    | 4.2    | 4.2    | 4.2    |
| 82.5° | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 85°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)