

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: P1315510

Luminaire Tested: P3SQAS17R309740DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315510  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309740DE010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

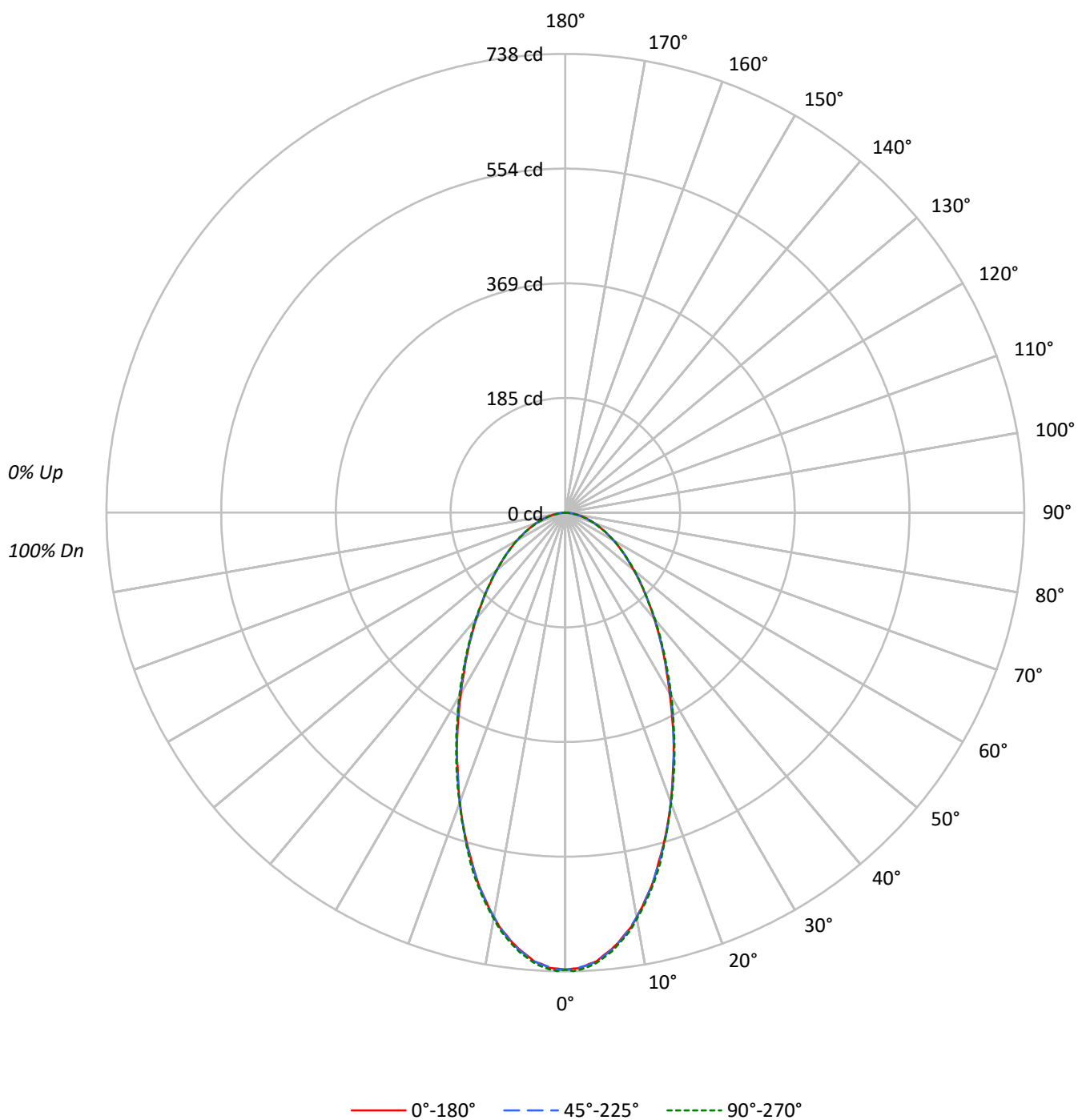
Lumens per Lamp: N/A  
Luminaire Lumens: 944.0 lumens  
Efficiency: N/A  
Efficacy: 44.5 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  | 88  | 88  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  | 87  | 84  | 81  | 85  | 82  | 79  | 77  | 77  | 77  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 73  | 82  | 77  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  | 68  | 68  |
| 4   | 89  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 60  | 60  | 60  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  | 67  | 61  | 57  | 65  | 60  | 56  | 54  | 54  | 54  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  | 62  | 56  | 51  | 60  | 55  | 51  | 49  | 49  | 49  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  | 45  | 45  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  | 41  | 41  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 38  | 38  | 38  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  | 35  | 35  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 126618 | 126618 | 126618 |
| 5°  | 123489 | 123713 | 124163 |
| 10° | 115543 | 115543 | 116015 |
| 15° | 103609 | 103841 | 104536 |
| 20° | 90941  | 90941  | 91180  |
| 25° | 78405  | 78405  | 78899  |
| 30° | 66739  | 67515  | 67773  |
| 35° | 57649  | 57923  | 58196  |
| 40° | 49910  | 50202  | 50495  |
| 45° | 43573  | 43889  | 43889  |
| 50° | 38475  | 38475  | 38823  |
| 55° | 34500  | 34500  | 34500  |
| 60° | 31035  | 31035  | 31035  |
| 65° | 27670  | 27670  | 27670  |
| 70° | 24976  | 24976  | 24976  |
| 75° | 22624  | 21693  | 21693  |
| 80° | 19439  | 18150  | 18150  |
| 85° | 12844  | 12844  | 12844  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 43889 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 66.6   | 7.1       |
| 10°-20°   | 162.3  | 17.2      |
| 20°-30°   | 189.6  | 20.1      |
| 30°-40°   | 172.5  | 18.3      |
| 40°-50°   | 139.3  | 14.8      |
| 50°-60°   | 102.9  | 10.9      |
| 60°-70°   | 67.8   | 7.2       |
| 70°-80°   | 35.0   | 3.7       |
| 80°-90°   | 8.0    | 0.8       |
| 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°    | 418.5  | 44.3      |
| 0°-40°    | 591.0  | 62.6      |
| 0°-60°    | 833.2  | 88.3      |
| 0°-90°    | 944.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 944.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 735 | 735   | 735 | 735   | 735 |      |
| 5°  | 714 | 714   | 716 | 716   | 718 | 67   |
| 15° | 581 | 582   | 582 | 582   | 586 | 162  |
| 25° | 413 | 411   | 413 | 413   | 415 | 189  |
| 35° | 274 | 273   | 276 | 276   | 277 | 172  |
| 45° | 179 | 180   | 180 | 180   | 180 | 139  |
| 55° | 115 | 114   | 115 | 114   | 115 | 103  |
| 65° | 68  | 68    | 68  | 68    | 68  | 68   |
| 75° | 34  | 33    | 33  | 33    | 33  | 36   |
| 85° | 6   | 6     | 6   | 6     | 6   | 8    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 735.2 | 735.2 | 735.2 | 735.2 | 735.2 |
| 1°    | 733.9 | 733.9 | 735.2 | 733.9 | 737.8 |
| 2°    | 732.6 | 731.3 | 731.3 | 731.3 | 735.2 |
| 3°    | 727.3 | 727.3 | 728.6 | 727.3 | 731.3 |
| 4°    | 723.4 | 722.1 | 723.4 | 722.1 | 726.0 |
| 5°    | 714.3 | 714.3 | 715.6 | 715.6 | 718.2 |
| 6°    | 706.4 | 706.4 | 707.7 | 706.4 | 710.4 |
| 7°    | 697.3 | 697.3 | 697.3 | 697.3 | 699.9 |
| 8°    | 685.6 | 685.6 | 686.9 | 686.9 | 689.5 |
| 9°    | 675.1 | 673.8 | 673.8 | 673.8 | 677.7 |
| 10°   | 660.7 | 660.7 | 660.7 | 660.7 | 663.4 |
| 11°   | 646.4 | 646.4 | 646.4 | 646.4 | 649.0 |
| 12°   | 630.7 | 630.7 | 632.0 | 630.7 | 634.6 |
| 13°   | 616.3 | 616.3 | 616.3 | 616.3 | 619.0 |
| 14°   | 599.4 | 598.1 | 599.4 | 599.4 | 603.3 |
| 15°   | 581.1 | 582.4 | 582.4 | 582.4 | 586.3 |
| 17.5° | 539.3 | 539.3 | 540.6 | 538.0 | 540.6 |
| 20°   | 496.2 | 494.9 | 496.2 | 496.2 | 497.5 |
| 22.5° | 451.8 | 453.1 | 453.1 | 453.1 | 455.7 |
| 25°   | 412.6 | 411.3 | 412.6 | 412.6 | 415.2 |
| 27.5° | 372.2 | 373.5 | 374.8 | 373.5 | 376.1 |
| 30°   | 335.6 | 338.2 | 339.5 | 336.9 | 340.8 |
| 32.5° | 302.9 | 302.9 | 304.3 | 305.6 | 306.9 |
| 35°   | 274.2 | 272.9 | 275.5 | 275.5 | 276.8 |
| 37.5° | 246.8 | 246.8 | 246.8 | 248.1 | 249.4 |
| 40°   | 222.0 | 222.0 | 223.3 | 223.3 | 224.6 |
| 42.5° | 199.8 | 198.5 | 199.8 | 199.8 | 199.8 |
| 45°   | 178.9 | 180.2 | 180.2 | 180.2 | 180.2 |
| 47.5° | 160.6 | 160.6 | 161.9 | 160.6 | 161.9 |
| 50°   | 143.6 | 143.6 | 143.6 | 143.6 | 144.9 |
| 52.5° | 128.0 | 128.0 | 128.0 | 128.0 | 129.3 |
| 55°   | 114.9 | 113.6 | 114.9 | 113.6 | 114.9 |
| 57.5° | 101.9 | 101.9 | 101.9 | 101.9 | 101.9 |
| 60°   | 90.1  | 88.8  | 90.1  | 88.8  | 90.1  |
| 62.5° | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| 65°   | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  |
| 67.5° | 58.8  | 58.8  | 58.8  | 57.5  | 57.5  |
| 70°   | 49.6  | 49.6  | 49.6  | 49.6  | 49.6  |
| 72.5° | 41.8  | 40.5  | 40.5  | 40.5  | 40.5  |
| 75°   | 34.0  | 32.6  | 32.6  | 32.6  | 32.6  |
| 77.5° | 26.1  | 26.1  | 24.8  | 24.8  | 26.1  |
| 80°   | 19.6  | 18.3  | 18.3  | 18.3  | 18.3  |
| 82.5° | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 85°   | 6.5   | 6.5   | 6.5   | 6.5   | 6.5   |
| 87.5° | 1.3   | 1.3   | 1.3   | 2.6   | 2.6   |



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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)