

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: P1307706

Luminaire Tested: P3SQAS05R359030DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307706  
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: P3SQAS05R359030DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

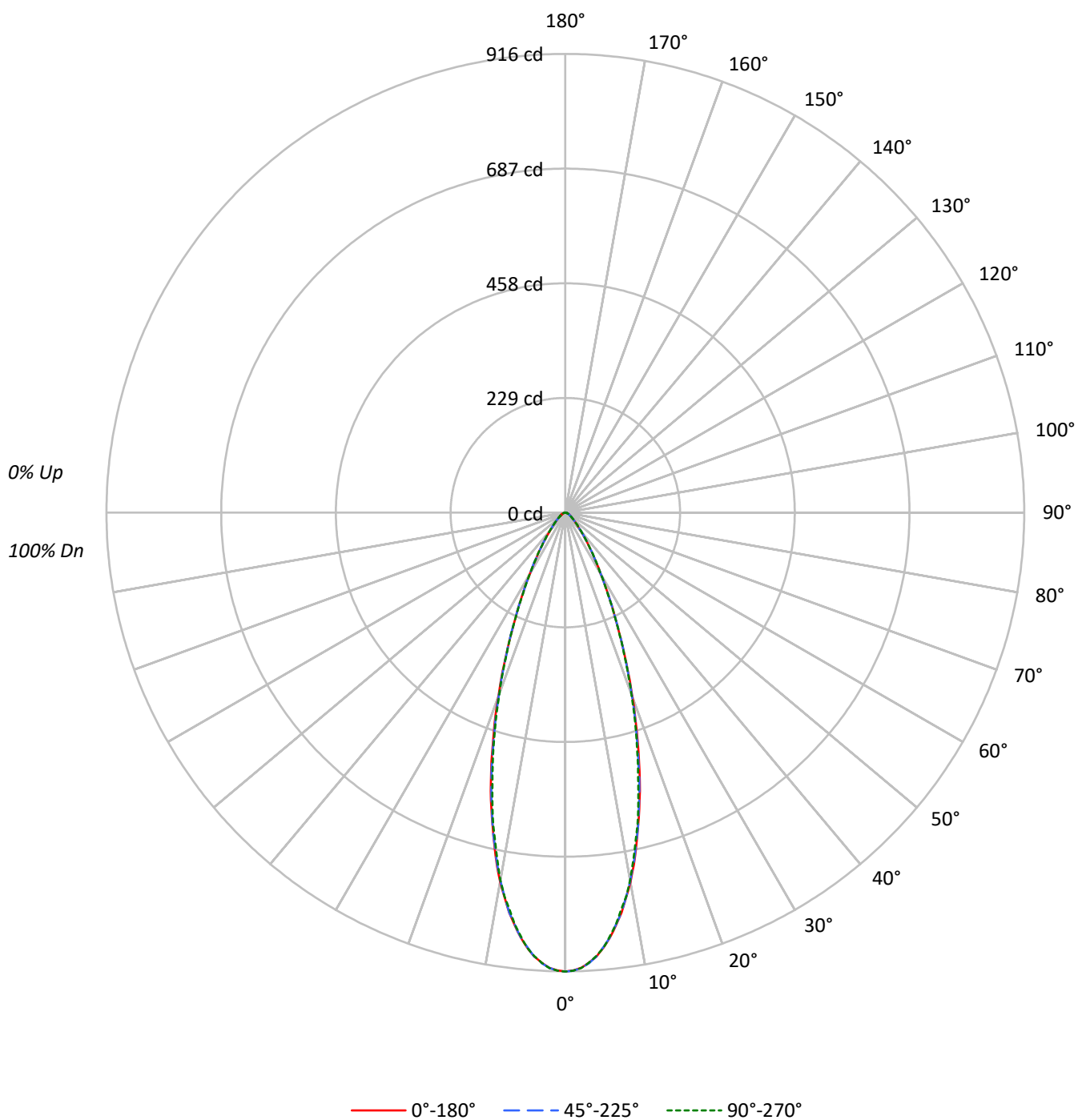
Lumens per Lamp: N/A  
Luminaire Lumens: 452.0 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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  |
| 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°  | 157842 | 157842 | 157842 |
| 5°  | 150821 | 150562 | 150821 |
| 10° | 130932 | 130495 | 130320 |
| 15° | 102610 | 101790 | 100186 |
| 20° | 71771  | 71129  | 70671  |
| 25° | 45587  | 45872  | 45587  |
| 30° | 28080  | 28279  | 28080  |
| 35° | 17366  | 17471  | 17471  |
| 40° | 11039  | 11151  | 11151  |
| 45° | 7453   | 7575   | 7696   |
| 50° | 5359   | 5493   | 5493   |
| 55° | 4204   | 4204   | 4204   |
| 60° | 3444   | 3444   | 3444   |
| 65° | 3056   | 3056   | 3056   |
| 70° | 2769   | 2769   | 2769   |
| 75° | 2329   | 2329   | 2329   |
| 80° | 1984   | 1984   | 1984   |
| 85° | 988    | 988    | 1976   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7696 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 79.2   | 17.5      |
| 10°-20°   | 155.9  | 34.5      |
| 20°-30°   | 112.5  | 24.9      |
| 30°-40°   | 54.2   | 12.0      |
| 40°-50°   | 25.0   | 5.5       |
| 50°-60°   | 12.9   | 2.9       |
| 60°-70°   | 7.5    | 1.7       |
| 70°-80°   | 3.8    | 0.8       |
| 80°-90°   | 0.9    | 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°    | 347.7  | 76.9      |
| 0°-40°    | 401.9  | 88.9      |
| 0°-60°    | 439.8  | 97.3      |
| 0°-90°    | 452.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 452.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 916 | 916   | 916 | 916   | 916 |      |
| 5°  | 872 | 874   | 871 | 871   | 872 | 79   |
| 15° | 576 | 574   | 571 | 568   | 562 | 157  |
| 25° | 240 | 240   | 241 | 241   | 240 | 113  |
| 35° | 83  | 83    | 83  | 83    | 83  | 54   |
| 45° | 31  | 31    | 31  | 32    | 32  | 25   |
| 55° | 14  | 14    | 14  | 14    | 14  | 13   |
| 65° | 8   | 8     | 8   | 8     | 8   | 7    |
| 75° | 4   | 4     | 4   | 4     | 4   | 4    |
| 85° | 0   | 0     | 0   | 0     | 1   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 |
| 1°    | 914.0 | 915.5 | 915.0 | 915.5 | 915.0 |
| 2°    | 909.5 | 910.5 | 909.5 | 910.0 | 910.0 |
| 3°    | 900.0 | 901.0 | 901.0 | 900.5 | 900.0 |
| 4°    | 888.5 | 891.0 | 888.5 | 889.0 | 887.5 |
| 5°    | 872.4 | 874.4 | 870.9 | 871.4 | 872.4 |
| 6°    | 852.9 | 853.4 | 852.4 | 851.9 | 850.9 |
| 7°    | 830.4 | 832.4 | 828.9 | 829.4 | 828.4 |
| 8°    | 806.3 | 805.8 | 805.8 | 803.8 | 800.8 |
| 9°    | 777.3 | 779.3 | 776.3 | 775.3 | 775.8 |
| 10°   | 748.7 | 748.7 | 746.2 | 743.7 | 745.2 |
| 11°   | 716.2 | 715.2 | 713.7 | 710.2 | 709.2 |
| 12°   | 680.6 | 682.6 | 678.1 | 676.6 | 673.1 |
| 13°   | 644.1 | 647.1 | 645.1 | 639.6 | 640.1 |
| 14°   | 610.0 | 608.0 | 606.5 | 605.5 | 602.0 |
| 15°   | 575.5 | 574.5 | 570.9 | 568.4 | 561.9 |
| 17.5° | 480.8 | 481.8 | 475.3 | 474.3 | 471.8 |
| 20°   | 391.6 | 388.6 | 388.1 | 388.6 | 385.6 |
| 22.5° | 309.0 | 312.0 | 308.5 | 309.0 | 307.0 |
| 25°   | 239.9 | 240.4 | 241.4 | 241.4 | 239.9 |
| 27.5° | 186.3 | 186.3 | 185.3 | 186.3 | 184.8 |
| 30°   | 141.2 | 141.2 | 142.2 | 143.2 | 141.2 |
| 32.5° | 109.2 | 109.2 | 109.2 | 109.7 | 110.2 |
| 35°   | 82.6  | 82.6  | 83.1  | 83.1  | 83.1  |
| 37.5° | 63.6  | 64.1  | 64.6  | 64.6  | 64.6  |
| 40°   | 49.1  | 49.6  | 49.6  | 50.1  | 49.6  |
| 42.5° | 39.1  | 39.1  | 39.1  | 39.6  | 39.6  |
| 45°   | 30.6  | 31.1  | 31.1  | 31.6  | 31.6  |
| 47.5° | 25.0  | 25.0  | 25.0  | 25.5  | 25.5  |
| 50°   | 20.0  | 20.5  | 20.5  | 20.5  | 20.5  |
| 52.5° | 16.5  | 16.5  | 17.0  | 17.0  | 17.0  |
| 55°   | 14.0  | 14.0  | 14.0  | 14.0  | 14.0  |
| 57.5° | 11.5  | 12.0  | 12.0  | 12.0  | 12.0  |
| 60°   | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |
| 62.5° | 8.5   | 8.5   | 8.5   | 8.5   | 8.5   |
| 65°   | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   |
| 67.5° | 6.0   | 6.5   | 6.5   | 6.5   | 6.5   |
| 70°   | 5.5   | 5.5   | 5.5   | 5.5   | 5.5   |
| 72.5° | 4.0   | 4.5   | 4.5   | 4.5   | 4.5   |
| 75°   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 77.5° | 3.0   | 2.5   | 2.5   | 2.5   | 3.0   |
| 80°   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 82.5° | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| 85°   | 0.5   | 0.5   | 0.5   | 0.5   | 1.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.5   | 0.5   |



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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)