

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: P1310261

Luminaire Tested: P3SQAS13R359040DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359040DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

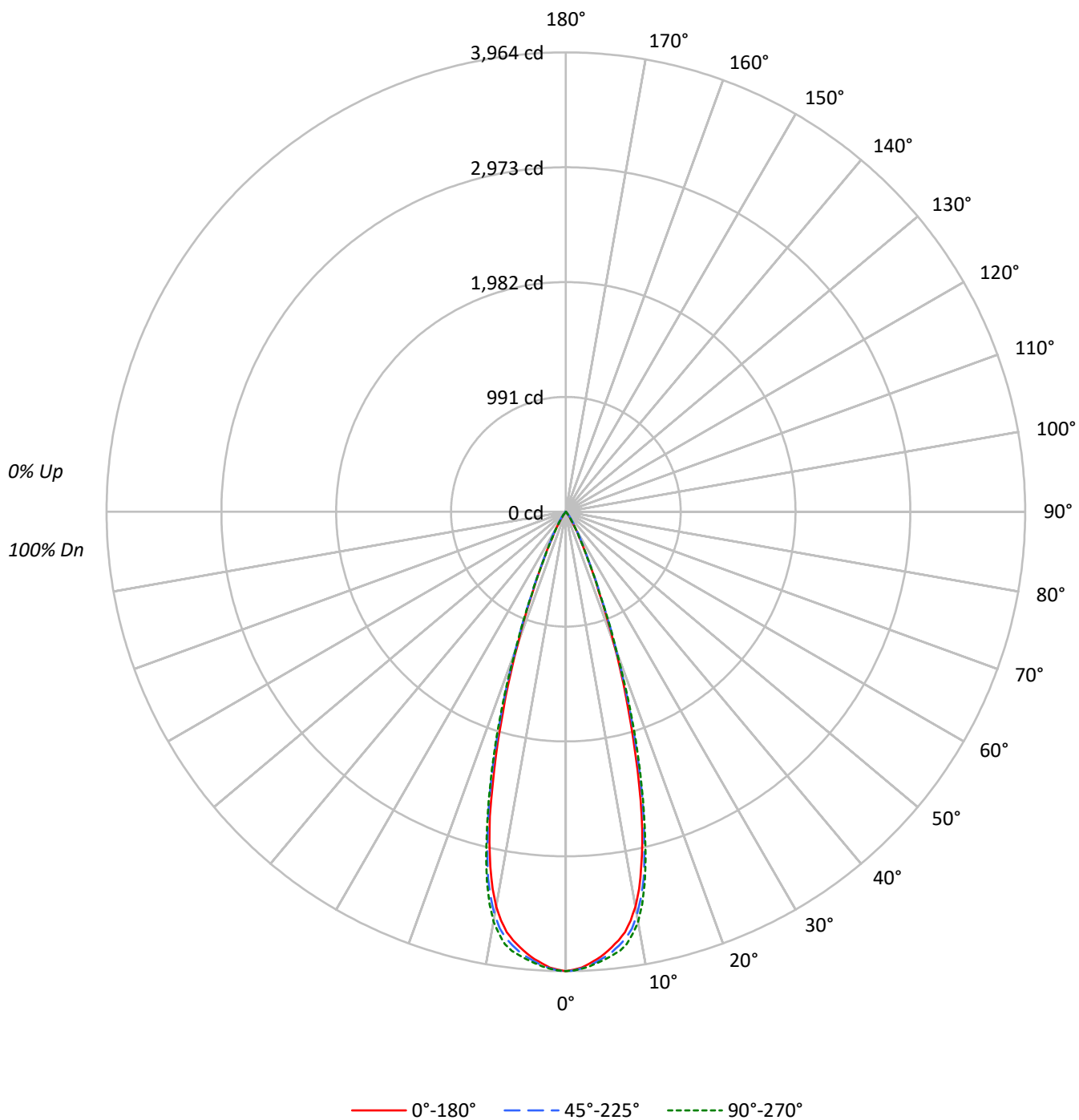
Lumens per Lamp: N/A  
Luminaire Lumens: 1320.0 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 98 |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 96  | 95 | 94 |
| 2   | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 98  | 100 | 98  | 96  | 97  | 96  | 94  | 93  | 92 | 91 |
| 3   | 107 | 102 | 99  | 96  | 105 | 101 | 98  | 95  | 99  | 96  | 94  | 96  | 94  | 92  | 94  | 92  | 91  | 89  | 88 | 87 |
| 4   | 104 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 91  | 88  | 92  | 89  | 87  | 86  | 85 | 84 |
| 5   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 88  | 86  | 90  | 87  | 85  | 89  | 86  | 84  | 83  | 82 | 81 |
| 6   | 97  | 91  | 86  | 83  | 96  | 90  | 86  | 83  | 89  | 85  | 83  | 88  | 84  | 82  | 86  | 84  | 82  | 80  | 79 | 78 |
| 7   | 94  | 88  | 83  | 80  | 93  | 87  | 83  | 80  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 77  | 76 | 75 |
| 8   | 91  | 85  | 80  | 77  | 91  | 84  | 80  | 77  | 83  | 80  | 77  | 82  | 79  | 77  | 81  | 79  | 76  | 74  | 73 | 72 |
| 9   | 89  | 82  | 78  | 75  | 88  | 81  | 77  | 75  | 81  | 77  | 74  | 80  | 77  | 74  | 79  | 76  | 74  | 71  | 70 | 69 |
| 10  | 86  | 79  | 75  | 72  | 85  | 79  | 75  | 72  | 78  | 75  | 72  | 78  | 74  | 72  | 77  | 74  | 72  | 69  | 67 | 65 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 682777 | 682777 | 682777 |
| 5°  | 662080 | 666766 | 670396 |
| 10° | 605013 | 617797 | 628412 |
| 15° | 435083 | 454089 | 457816 |
| 20° | 221507 | 232613 | 233200 |
| 25° | 84030  | 85835  | 83441  |
| 30° | 32634  | 37844  | 31818  |
| 35° | 11206  | 17576  | 10554  |
| 40° | 3755   | 6812   | 3530   |
| 45° | 244    | 2289   | 244    |
| 50° | 0      | 268    | 0      |
| 55° | 0      | 0      | 0      |
| 60° | 0      | 0      | 0      |
| 65° | 0      | 0      | 0      |
| 70° | 0      | 0      | 0      |
| 75° | 0      | 0      | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2289 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 358.9  | 27.2      |
| 10°-20°   | 668.6  | 50.7      |
| 20°-30°   | 240.3  | 18.2      |
| 30°-40°   | 46.9   | 3.6       |
| 40°-50°   | 5.2    | 0.4       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1267.8 | 96.0      |
| 0°-40°    | 1314.8 | 99.6      |
| 0°-60°    | 1320.0 | 100.0     |
| 0°-90°    | 1320.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1320.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3964 | 3964  | 3964 | 3964  | 3964 |      |
| 5°  | 3830 | 3840  | 3857 | 3875  | 3878 | 355  |
| 15° | 2440 | 2481  | 2547 | 2565  | 2568 | 648  |
| 25° | 442  | 446   | 452  | 448   | 439  | 232  |
| 35° | 53   | 61    | 84   | 62    | 50   | 40   |
| 45° | 1    | 3     | 9    | 3     | 1    | 3    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3964.5 | 3964.5 | 3964.5 | 3964.5 | 3964.5 |
| 1°    | 3953.0 | 3958.3 | 3959.3 | 3966.6 | 3958.3 |
| 2°    | 3936.3 | 3939.4 | 3943.6 | 3949.9 | 3945.7 |
| 3°    | 3903.9 | 3910.2 | 3919.6 | 3927.9 | 3927.9 |
| 4°    | 3869.4 | 3877.8 | 3889.3 | 3903.9 | 3902.8 |
| 5°    | 3829.7 | 3840.1 | 3856.8 | 3874.6 | 3877.8 |
| 6°    | 3779.5 | 3792.0 | 3819.2 | 3844.3 | 3848.5 |
| 7°    | 3726.2 | 3745.0 | 3771.1 | 3807.7 | 3817.1 |
| 8°    | 3663.4 | 3678.1 | 3715.7 | 3758.6 | 3769.0 |
| 9°    | 3571.4 | 3593.4 | 3641.5 | 3681.2 | 3687.5 |
| 10°   | 3459.6 | 3475.2 | 3532.7 | 3574.6 | 3593.4 |
| 11°   | 3315.3 | 3338.3 | 3394.7 | 3437.6 | 3450.1 |
| 12°   | 3131.3 | 3164.7 | 3230.6 | 3262.0 | 3272.4 |
| 13°   | 2932.6 | 2960.9 | 3012.1 | 3050.8 | 3059.1 |
| 14°   | 2708.9 | 2736.1 | 2789.4 | 2820.8 | 2813.4 |
| 15°   | 2440.2 | 2481.0 | 2546.8 | 2564.6 | 2567.7 |
| 17.5° | 1802.4 | 1828.6 | 1887.1 | 1915.4 | 1935.2 |
| 20°   | 1208.6 | 1233.7 | 1269.2 | 1288.1 | 1272.4 |
| 22.5° | 735.0  | 755.9  | 774.7  | 773.7  | 768.4  |
| 25°   | 442.2  | 446.4  | 451.7  | 448.5  | 439.1  |
| 27.5° | 258.2  | 269.7  | 285.4  | 275.0  | 259.3  |
| 30°   | 164.1  | 173.6  | 190.3  | 172.5  | 160.0  |
| 32.5° | 86.8   | 109.8  | 127.6  | 103.5  | 91.0   |
| 35°   | 53.3   | 60.6   | 83.6   | 61.7   | 50.2   |
| 37.5° | 32.4   | 37.6   | 52.3   | 36.6   | 29.3   |
| 40°   | 16.7   | 24.0   | 30.3   | 22.0   | 15.7   |
| 42.5° | 5.2    | 11.5   | 16.7   | 10.5   | 5.2    |
| 45°   | 1.0    | 3.1    | 9.4    | 3.1    | 1.0    |
| 47.5° | 0.0    | 0.0    | 4.2    | 1.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.0    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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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)