

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: P1309145

Luminaire Tested: P3SQAS13R359035DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359035DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

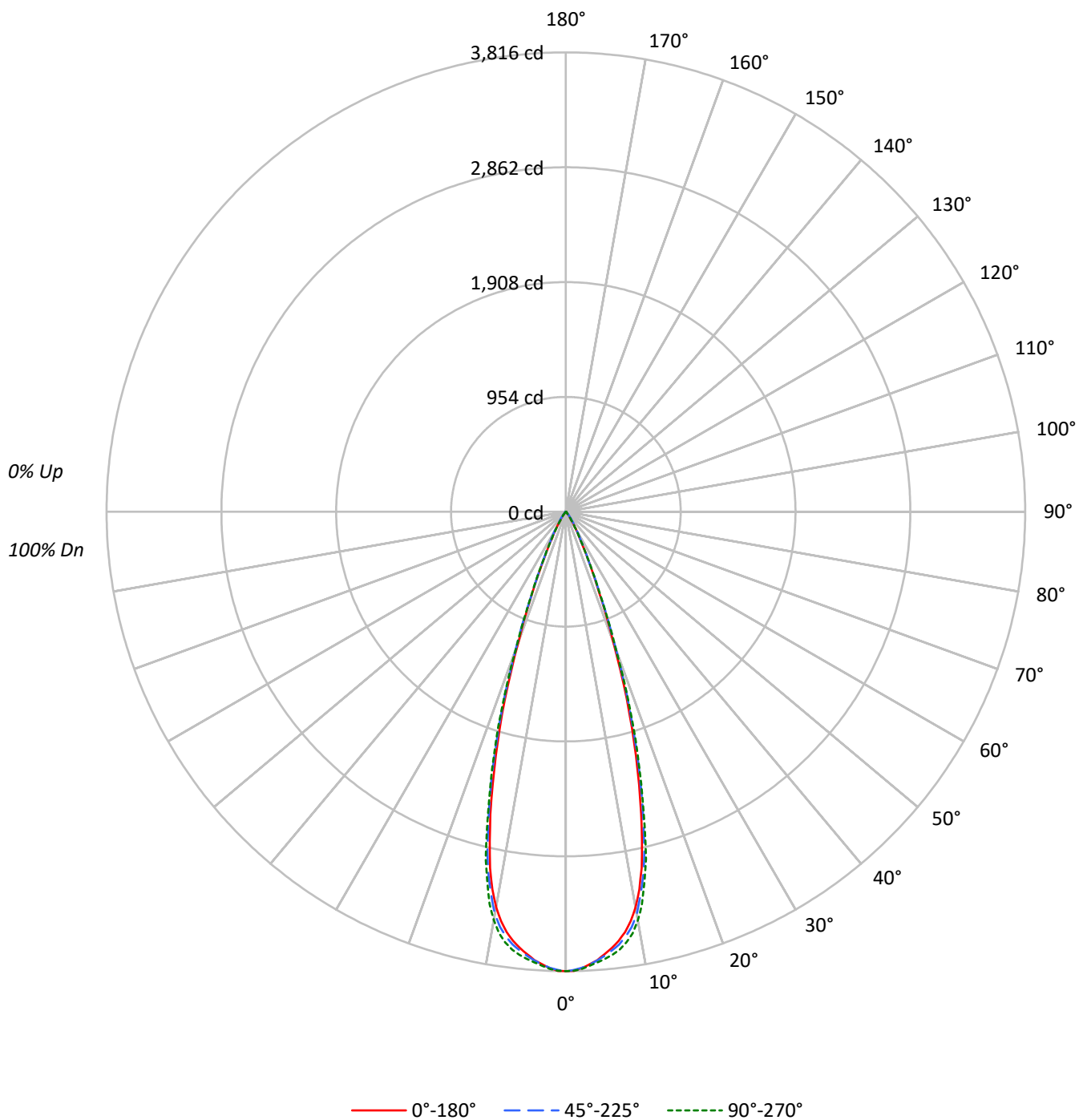
Lumens per Lamp: N/A  
Luminaire Lumens: 1282.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  |  | 99  | 98  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  |  | 96  | 94  | 92  |  | 94  |
| 4   | 103 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 5   | 100 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  |
| 6   | 97  | 90  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 82  | 79  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 83  |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 79  | 77  | 83  | 79  | 76  |  | 82  | 78  | 76  |  | 81  |
| 9   | 88  | 81  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 74  |  | 79  | 76  | 74  |  | 79  |
| 10  | 86  | 79  | 75  | 72  | 85  | 78  | 74  | 72  | 78  | 74  | 71  |  | 77  | 74  | 71  |  | 76  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 657288 | 657288 | 657288 |
| 5°  | 637843 | 640090 | 644412 |
| 10° | 583450 | 593611 | 602705 |
| 15° | 418804 | 434156 | 438613 |
| 20° | 210675 | 222955 | 223504 |
| 25° | 79849  | 82320  | 82700  |
| 30° | 32435  | 37208  | 31838  |
| 35° | 11774  | 17871  | 11353  |
| 40° | 4946   | 7644   | 4721   |
| 45° | 1218   | 3166   | 1218   |
| 50° | 804    | 1340   | 804    |
| 55° | 901    | 901    | 901    |
| 60° | 1033   | 1033   | 1033   |
| 65° | 815    | 815    | 815    |
| 70° | 504    | 504    | 504    |
| 75° | 665    | 665    | 665    |
| 80° | 992    | 992    | 992    |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3166 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 345.1  | 26.9      |
| 10°-20°   | 642.8  | 50.1      |
| 20°-30°   | 231.2  | 18.0      |
| 30°-40°   | 48.6   | 3.8       |
| 40°-50°   | 8.4    | 0.7       |
| 50°-60°   | 2.7    | 0.2       |
| 60°-70°   | 2.0    | 0.2       |
| 70°-80°   | 1.1    | 0.1       |
| 80°-90°   | 0.2    | 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       |
| 0°-30°    | 1219.1 | 95.1      |
| 0°-40°    | 1267.7 | 98.9      |
| 0°-60°    | 1278.8 | 99.7      |
| 0°-90°    | 1282.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1282.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3816 | 3816  | 3816 | 3816  | 3816 |      |
| 5°  | 3690 | 3696  | 3702 | 3728  | 3728 | 342  |
| 15° | 2349 | 2390  | 2435 | 2461  | 2460 | 625  |
| 25° | 420  | 426   | 433  | 437   | 435  | 223  |
| 35° | 56   | 66    | 85   | 65    | 54   | 43   |
| 45° | 5    | 8     | 13   | 8     | 5    | 6    |
| 55° | 3    | 3     | 3    | 3     | 3    | 3    |
| 65° | 2    | 2     | 2    | 2     | 2    | 2    |
| 75° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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°    | 3816.5 | 3816.5 | 3816.5 | 3816.5 | 3816.5 |
| 1°    | 3814.5 | 3814.5 | 3806.5 | 3815.5 | 3812.5 |
| 2°    | 3793.5 | 3795.5 | 3790.5 | 3801.5 | 3800.5 |
| 3°    | 3764.5 | 3769.5 | 3765.5 | 3781.5 | 3776.5 |
| 4°    | 3733.5 | 3737.5 | 3735.5 | 3755.5 | 3753.5 |
| 5°    | 3689.5 | 3696.5 | 3702.5 | 3727.5 | 3727.5 |
| 6°    | 3644.5 | 3651.5 | 3664.5 | 3691.5 | 3700.5 |
| 7°    | 3592.4 | 3601.4 | 3622.5 | 3658.5 | 3664.5 |
| 8°    | 3526.4 | 3536.4 | 3565.4 | 3604.4 | 3612.4 |
| 9°    | 3444.4 | 3459.4 | 3492.4 | 3539.4 | 3544.4 |
| 10°   | 3336.3 | 3348.3 | 3394.4 | 3433.4 | 3446.4 |
| 11°   | 3196.3 | 3206.3 | 3247.3 | 3310.3 | 3318.3 |
| 12°   | 3026.2 | 3038.2 | 3091.2 | 3132.3 | 3140.3 |
| 13°   | 2811.1 | 2834.1 | 2898.2 | 2938.2 | 2960.2 |
| 14°   | 2590.0 | 2621.1 | 2667.1 | 2724.1 | 2710.1 |
| 15°   | 2348.9 | 2390.0 | 2435.0 | 2461.0 | 2460.0 |
| 17.5° | 1757.7 | 1781.7 | 1821.7 | 1836.7 | 1856.7 |
| 20°   | 1149.5 | 1180.5 | 1216.5 | 1230.5 | 1219.5 |
| 22.5° | 713.3  | 721.3  | 732.3  | 738.3  | 736.3  |
| 25°   | 420.2  | 426.2  | 433.2  | 437.2  | 435.2  |
| 27.5° | 253.1  | 267.1  | 277.1  | 265.1  | 258.1  |
| 30°   | 163.1  | 169.1  | 187.1  | 171.1  | 160.1  |
| 32.5° | 97.0   | 111.0  | 126.1  | 107.0  | 93.0   |
| 35°   | 56.0   | 66.0   | 85.0   | 65.0   | 54.0   |
| 37.5° | 36.0   | 41.0   | 55.0   | 40.0   | 35.0   |
| 40°   | 22.0   | 28.0   | 34.0   | 26.0   | 21.0   |
| 42.5° | 11.0   | 17.0   | 20.0   | 15.0   | 11.0   |
| 45°   | 5.0    | 8.0    | 13.0   | 8.0    | 5.0    |
| 47.5° | 3.0    | 4.0    | 8.0    | 4.0    | 3.0    |
| 50°   | 3.0    | 3.0    | 5.0    | 3.0    | 3.0    |
| 52.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 55°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 57.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 60°   | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 62.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 65°   | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 67.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 70°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 72.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 75°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 77.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 80°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 82.5° | 1.0    | 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)