

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: P1315710

Luminaire Tested: P3SQAS20R509740D010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315710  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R509740D010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

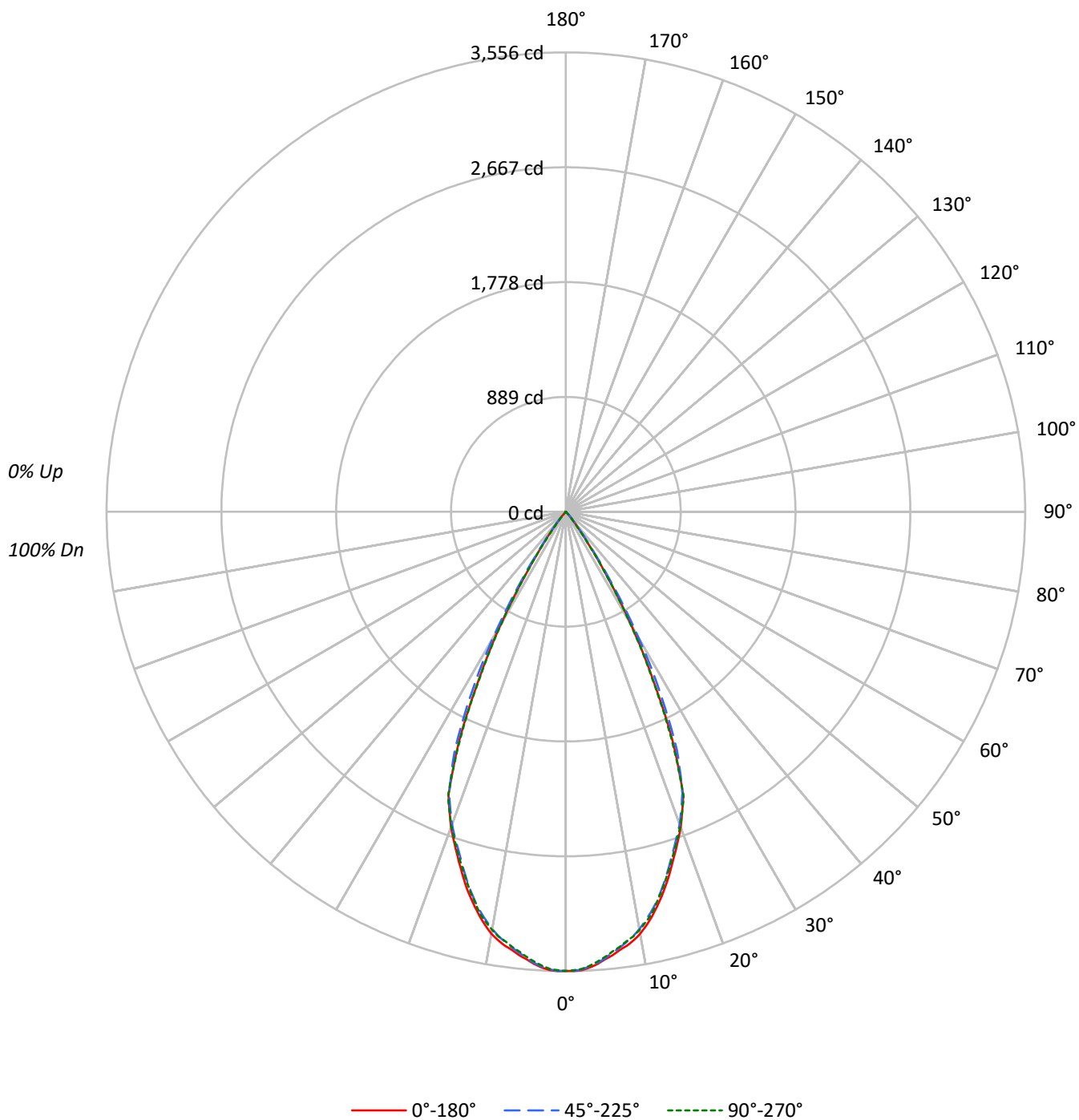
Lumens per Lamp: N/A  
Luminaire Lumens: 2289.0 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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 | 112 | 109 | 107 | 112 | 110 | 108 | 106 | 106 | 104 | 102 |  | 102 | 101 | 99  |  | 98  |
| 2   | 109 | 105 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 95  |  | 97  | 95  | 93  |  | 95  |
| 3   | 105 | 99  | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 92  | 89  |  | 93  | 90  | 88  |  | 91  |
| 4   | 100 | 94  | 89  | 85  | 99  | 93  | 88  | 85  | 90  | 87  | 84  |  | 89  | 85  | 83  |  | 87  |
| 5   | 96  | 89  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 79  |  | 85  | 81  | 78  |  | 83  |
| 6   | 92  | 84  | 79  | 75  | 91  | 83  | 79  | 75  | 82  | 78  | 74  |  | 81  | 77  | 74  |  | 79  |
| 7   | 88  | 80  | 75  | 71  | 87  | 79  | 74  | 71  | 78  | 74  | 70  |  | 77  | 73  | 70  |  | 76  |
| 8   | 85  | 76  | 71  | 67  | 83  | 76  | 71  | 67  | 75  | 70  | 67  |  | 74  | 70  | 67  |  | 73  |
| 9   | 81  | 73  | 67  | 64  | 80  | 72  | 67  | 64  | 71  | 67  | 64  |  | 70  | 66  | 63  |  | 70  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 60  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 612183 | 612183 | 612183 |
| 5°  | 601503 | 599809 | 598115 |
| 10° | 580110 | 573814 | 574951 |
| 15° | 533646 | 526942 | 528386 |
| 20° | 476535 | 472026 | 474720 |
| 25° | 370875 | 386419 | 366827 |
| 30° | 200894 | 224340 | 197314 |
| 35° | 63347  | 75394  | 61959  |
| 40° | 13984  | 19514  | 13242  |
| 45° | 390    | 5992   | 390    |
| 50° | 0      | 884    | 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: 5992 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 325.7  | 14.2      |
| 10°-20°   | 827.4  | 36.1      |
| 20°-30°   | 871.5  | 38.1      |
| 30°-40°   | 248.9  | 10.9      |
| 40°-50°   | 15.4   | 0.7       |
| 50°-60°   | 0.1    | 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       |
| 0°-30°    | 2024.6 | 88.4      |
| 0°-40°    | 2273.5 | 99.3      |
| 0°-60°    | 2289.0 | 100.0     |
| 0°-90°    | 2289.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2289.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3555 | 3555  | 3555 | 3555  | 3555 |      |
| 5°  | 3479 | 3476  | 3470 | 3466  | 3460 | 327  |
| 15° | 2993 | 2973  | 2955 | 2960  | 2964 | 834  |
| 25° | 1952 | 2024  | 2034 | 2011  | 1930 | 854  |
| 35° | 301  | 323   | 359  | 304   | 295  | 235  |
| 45° | 2    | 8     | 25   | 8     | 2    | 10   |
| 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°    | 3554.6 | 3554.6 | 3554.6 | 3554.6 | 3554.6 |
| 1°    | 3556.3 | 3557.9 | 3554.6 | 3557.9 | 3549.7 |
| 2°    | 3551.3 | 3548.1 | 3544.8 | 3546.4 | 3541.5 |
| 3°    | 3533.3 | 3531.7 | 3525.1 | 3526.8 | 3520.2 |
| 4°    | 3510.4 | 3505.5 | 3500.6 | 3497.3 | 3490.8 |
| 5°    | 3479.3 | 3476.0 | 3469.5 | 3466.2 | 3459.7 |
| 6°    | 3453.1 | 3446.6 | 3435.1 | 3431.8 | 3425.3 |
| 7°    | 3418.7 | 3415.4 | 3400.7 | 3397.4 | 3394.2 |
| 8°    | 3392.5 | 3382.7 | 3364.7 | 3366.3 | 3358.1 |
| 9°    | 3358.1 | 3345.0 | 3327.0 | 3327.0 | 3328.7 |
| 10°   | 3317.2 | 3297.6 | 3281.2 | 3286.1 | 3287.7 |
| 11°   | 3263.2 | 3250.1 | 3225.5 | 3237.0 | 3237.0 |
| 12°   | 3204.2 | 3187.9 | 3169.8 | 3179.7 | 3186.2 |
| 13°   | 3135.5 | 3122.4 | 3106.0 | 3115.8 | 3112.5 |
| 14°   | 3068.3 | 3043.8 | 3032.3 | 3045.4 | 3040.5 |
| 15°   | 2993.0 | 2973.4 | 2955.4 | 2960.3 | 2963.5 |
| 17.5° | 2791.6 | 2770.3 | 2757.2 | 2758.9 | 2773.6 |
| 20°   | 2600.1 | 2591.9 | 2575.5 | 2582.0 | 2590.2 |
| 22.5° | 2374.1 | 2377.4 | 2357.7 | 2362.6 | 2382.3 |
| 25°   | 1951.7 | 2023.7 | 2033.5 | 2010.6 | 1930.4 |
| 27.5° | 1445.8 | 1553.8 | 1586.6 | 1534.2 | 1435.9 |
| 30°   | 1010.2 | 1039.7 | 1128.1 | 1028.2 | 992.2  |
| 32.5° | 592.7  | 636.9  | 684.4  | 615.6  | 591.1  |
| 35°   | 301.3  | 322.6  | 358.6  | 304.5  | 294.7  |
| 37.5° | 139.2  | 149.0  | 163.7  | 139.2  | 131.0  |
| 40°   | 62.2   | 73.7   | 86.8   | 70.4   | 58.9   |
| 42.5° | 19.6   | 34.4   | 45.8   | 31.1   | 18.0   |
| 45°   | 1.6    | 8.2    | 24.6   | 8.2    | 1.6    |
| 47.5° | 0.0    | 1.6    | 9.8    | 1.6    | 0.0    |
| 50°   | 0.0    | 0.0    | 3.3    | 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)