

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: P1305444

Luminaire Tested: P3SQASS02R359024DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305444  
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: P3SQASS02R359024DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

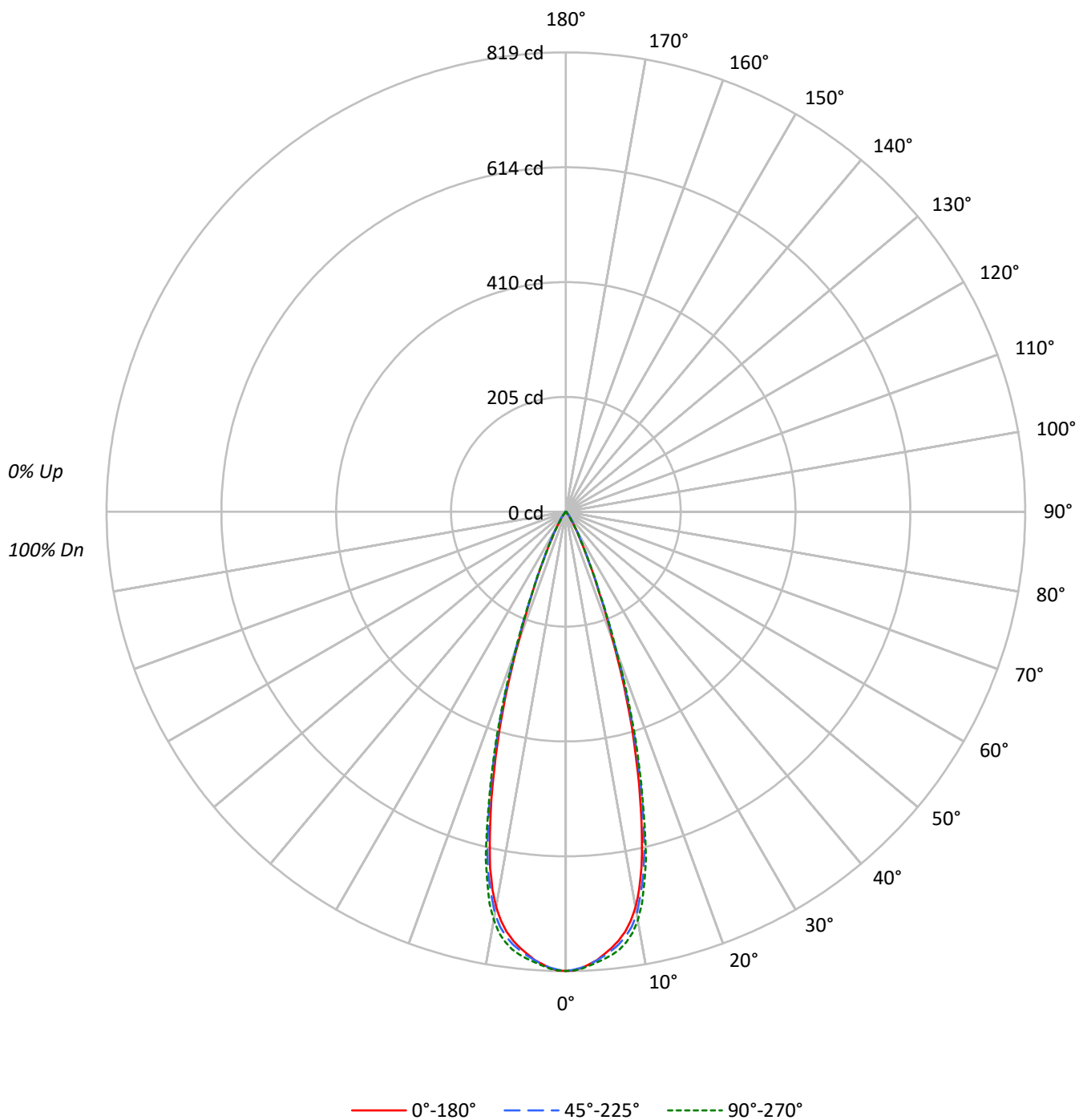
Lumens per Lamp: N/A  
Luminaire Lumens: 274.9 lumens  
Efficiency: N/A  
Efficacy: 76.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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

TEST NUMBER: P1305444

CATALOG NUMBER: P3SQASS02R359024DE010 E3SQCD1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1305444

CATALOG NUMBER: P3SQASS02R359024DE010 E3SQCD1MW

**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 |    |    |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 96  |    |    |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98  | 99  | 98  | 96  | 97  | 95  | 94  | 93  |    |    |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 95  | 98  | 96  | 93  | 96  | 94  | 92  | 94  | 92  | 90  | 89  |    |    |
| 4   | 103 | 98  | 94  | 91  | 102 | 97  | 93  | 90  | 95  | 92  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 86  |    |    |
| 5   | 100 | 94  | 90  | 86  | 99  | 93  | 89  | 86  | 91  | 88  | 85  | 90  | 87  | 85  | 89  | 86  | 84  | 83  |    |    |
| 6   | 97  | 90  | 86  | 83  | 96  | 90  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 80  |    |    |
| 7   | 94  | 87  | 83  | 80  | 93  | 87  | 82  | 79  | 85  | 82  | 79  | 84  | 81  | 79  | 83  | 81  | 78  | 77  |    |    |
| 8   | 91  | 84  | 80  | 77  | 90  | 84  | 80  | 77  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 75  |    |    |
| 9   | 88  | 81  | 77  | 74  | 88  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 74  | 79  | 76  | 73  | 72  |    |    |
| 10  | 86  | 79  | 75  | 72  | 85  | 78  | 74  | 72  | 78  | 74  | 71  | 77  | 74  | 71  | 76  | 73  | 71  | 70  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 140999 | 140999 | 140999 |
| 5°  | 136818 | 137302 | 138235 |
| 10° | 125161 | 127330 | 129288 |
| 15° | 89844  | 93125  | 94088  |
| 20° | 45196  | 47817  | 47945  |
| 25° | 17121  | 17653  | 17729  |
| 30° | 6960   | 7975   | 6821   |
| 35° | 2523   | 3826   | 2439   |
| 40° | 1057   | 1641   | 1012   |
| 45° | 268    | 682    | 268    |
| 50° | 161    | 295    | 161    |
| 55° | 180    | 180    | 180    |
| 60° | 207    | 207    | 207    |
| 65° | 163    | 163    | 163    |
| 70° | 101    | 101    | 101    |
| 75° | 133    | 133    | 133    |
| 80° | 198    | 198    | 198    |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm

TEST NUMBER: P1305444

CATALOG NUMBER: P3SQASS02R359024DE010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.0   | 26.9      |
| 10°-20°   | 137.9  | 50.2      |
| 20°-30°   | 49.6   | 18.0      |
| 30°-40°   | 10.4   | 3.8       |
| 40°-50°   | 1.8    | 0.7       |
| 50°-60°   | 0.6    | 0.2       |
| 60°-70°   | 0.4    | 0.1       |
| 70°-80°   | 0.2    | 0.1       |
| 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°    | 261.5  | 95.1      |
| 0°-40°    | 271.9  | 98.9      |
| 0°-60°    | 274.3  | 99.8      |
| 0°-90°    | 274.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 274.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 819 | 819   | 819 | 819   | 819 |      |
| 5°  | 791 | 793   | 794 | 800   | 800 | 73   |
| 15° | 504 | 513   | 522 | 528   | 528 | 134  |
| 25° | 90  | 91    | 93  | 94    | 93  | 48   |
| 35° | 12  | 14    | 18  | 14    | 12  | 9    |
| 45° | 1   | 2     | 3   | 2     | 1   | 1    |
| 55° | 1   | 1     | 1   | 1     | 1   | 1    |
| 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   |      |

TEST NUMBER: P1305444

CATALOG NUMBER: P3SQASS02R359024DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 818.7 | 818.7 | 818.7 | 818.7 | 818.7 |
| 1°    | 818.2 | 818.2 | 816.5 | 818.5 | 817.8 |
| 2°    | 813.7 | 814.2 | 813.1 | 815.5 | 815.2 |
| 3°    | 807.5 | 808.6 | 807.7 | 811.2 | 810.1 |
| 4°    | 800.9 | 801.7 | 801.3 | 805.6 | 805.2 |
| 5°    | 791.4 | 792.9 | 794.2 | 799.6 | 799.6 |
| 6°    | 781.8 | 783.3 | 786.1 | 791.9 | 793.8 |
| 7°    | 770.6 | 772.5 | 777.0 | 784.8 | 786.1 |
| 8°    | 756.4 | 758.6 | 764.8 | 773.2 | 774.9 |
| 9°    | 738.8 | 742.1 | 749.1 | 759.2 | 760.3 |
| 10°   | 715.7 | 718.2 | 728.1 | 736.5 | 739.3 |
| 11°   | 685.6 | 687.8 | 696.6 | 710.1 | 711.8 |
| 12°   | 649.1 | 651.7 | 663.1 | 671.9 | 673.6 |
| 13°   | 603.0 | 607.9 | 621.7 | 630.3 | 635.0 |
| 14°   | 555.6 | 562.2 | 572.1 | 584.3 | 581.3 |
| 15°   | 503.9 | 512.7 | 522.3 | 527.9 | 527.7 |
| 17.5° | 377.0 | 382.2 | 390.8 | 394.0 | 398.3 |
| 20°   | 246.6 | 253.2 | 260.9 | 264.0 | 261.6 |
| 22.5° | 153.0 | 154.7 | 157.1 | 158.4 | 157.9 |
| 25°   | 90.1  | 91.4  | 92.9  | 93.8  | 93.3  |
| 27.5° | 54.3  | 57.3  | 59.4  | 56.9  | 55.4  |
| 30°   | 35.0  | 36.3  | 40.1  | 36.7  | 34.3  |
| 32.5° | 20.8  | 23.8  | 27.0  | 23.0  | 20.0  |
| 35°   | 12.0  | 14.2  | 18.2  | 13.9  | 11.6  |
| 37.5° | 7.7   | 8.8   | 11.8  | 8.6   | 7.5   |
| 40°   | 4.7   | 6.0   | 7.3   | 5.6   | 4.5   |
| 42.5° | 2.4   | 3.6   | 4.3   | 3.2   | 2.4   |
| 45°   | 1.1   | 1.7   | 2.8   | 1.7   | 1.1   |
| 47.5° | 0.6   | 0.9   | 1.7   | 0.9   | 0.6   |
| 50°   | 0.6   | 0.6   | 1.1   | 0.6   | 0.6   |
| 52.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 55°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 57.5° | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 60°   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 62.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 65°   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 67.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 77.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   |
| 82.5° | 0.2   | 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   |



TEST NUMBER: P1305444  
CATALOG NUMBER: P3SQASS02R359024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)