

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: P1309770

Luminaire Tested: P3SQAS02R359040DE010 E3SQCD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309770  
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: P3SQAS02R359040DE010 E3SQCD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

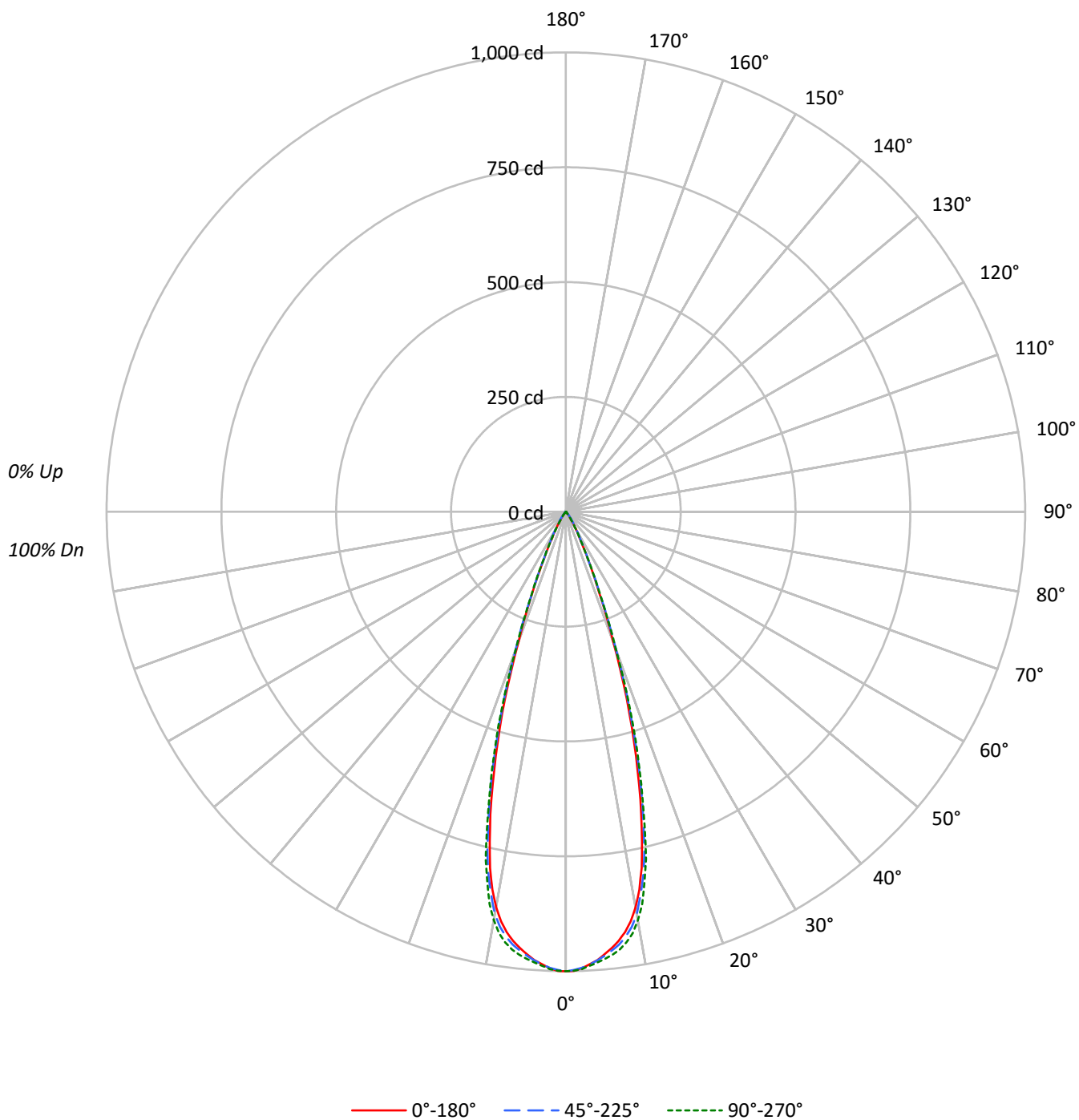
Lumens per Lamp: N/A  
Luminaire Lumens: 336.0 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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: P1309770

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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°  | 172274 | 172274 | 172274 |
| 5°  | 167175 | 167763 | 168887 |
| 10° | 152915 | 155573 | 157969 |
| 15° | 109760 | 113790 | 114949 |
| 20° | 55221  | 58428  | 58575  |
| 25° | 20922  | 21568  | 21682  |
| 30° | 8492   | 9744   | 8352   |
| 35° | 3091   | 4688   | 2985   |
| 40° | 1304   | 2001   | 1237   |
| 45° | 317    | 828    | 317    |
| 50° | 214    | 348    | 214    |
| 55° | 240    | 240    | 240    |
| 60° | 276    | 276    | 276    |
| 65° | 204    | 204    | 204    |
| 70° | 151    | 151    | 151    |
| 75° | 200    | 200    | 200    |
| 80° | 298    | 298    | 298    |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 828 cd/sqm

TEST NUMBER: P1309770

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCD1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 90.4   | 26.9      |
| 10°-20°   | 168.5  | 50.1      |
| 20°-30°   | 60.6   | 18.0      |
| 30°-40°   | 12.7   | 3.8       |
| 40°-50°   | 2.2    | 0.7       |
| 50°-60°   | 0.7    | 0.2       |
| 60°-70°   | 0.5    | 0.2       |
| 70°-80°   | 0.3    | 0.1       |
| 80°-90°   | 0.1    | 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°    | 319.5  | 95.1      |
| 0°-40°    | 332.2  | 98.9      |
| 0°-60°    | 335.2  | 99.7      |
| 0°-90°    | 336.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 336.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1000 | 1000  | 1000 | 1000  | 1000 |      |
| 5°  | 967  | 969   | 970  | 977   | 977  | 90   |
| 15° | 616  | 626   | 638  | 645   | 645  | 164  |
| 25° | 110  | 112   | 114  | 115   | 114  | 59   |
| 35° | 15   | 17    | 22   | 17    | 14   | 11   |
| 45° | 1    | 2     | 3    | 2     | 1    | 2    |
| 55° | 1    | 1     | 1    | 1     | 1    | 1    |
| 65° | 0    | 0     | 0    | 0     | 0    | 1    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

TEST NUMBER: P1309770

CATALOG NUMBER: P3SQAS02R359040DE010 E3SQCD1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1000.3 | 1000.3 | 1000.3 | 1000.3 | 1000.3 |
| 1°    | 999.8  | 999.8  | 997.7  | 1000.0 | 999.2  |
| 2°    | 994.2  | 994.8  | 993.5  | 996.3  | 996.1  |
| 3°    | 986.6  | 988.0  | 986.9  | 991.1  | 989.8  |
| 4°    | 978.5  | 979.6  | 979.0  | 984.3  | 983.8  |
| 5°    | 967.0  | 968.8  | 970.4  | 976.9  | 976.9  |
| 6°    | 955.2  | 957.0  | 960.4  | 967.5  | 969.9  |
| 7°    | 941.5  | 943.9  | 949.4  | 958.8  | 960.4  |
| 8°    | 924.2  | 926.9  | 934.5  | 944.7  | 946.8  |
| 9°    | 902.7  | 906.7  | 915.3  | 927.6  | 929.0  |
| 10°   | 874.4  | 877.6  | 889.6  | 899.9  | 903.3  |
| 11°   | 837.7  | 840.3  | 851.1  | 867.6  | 869.7  |
| 12°   | 793.1  | 796.3  | 810.2  | 820.9  | 823.0  |
| 13°   | 736.8  | 742.8  | 759.6  | 770.1  | 775.8  |
| 14°   | 678.8  | 687.0  | 699.0  | 714.0  | 710.3  |
| 15°   | 615.6  | 626.4  | 638.2  | 645.0  | 644.7  |
| 17.5° | 460.7  | 467.0  | 477.5  | 481.4  | 486.6  |
| 20°   | 301.3  | 309.4  | 318.8  | 322.5  | 319.6  |
| 22.5° | 186.9  | 189.0  | 191.9  | 193.5  | 193.0  |
| 25°   | 110.1  | 111.7  | 113.5  | 114.6  | 114.1  |
| 27.5° | 66.3   | 70.0   | 72.6   | 69.5   | 67.6   |
| 30°   | 42.7   | 44.3   | 49.0   | 44.8   | 42.0   |
| 32.5° | 25.4   | 29.1   | 33.0   | 28.1   | 24.4   |
| 35°   | 14.7   | 17.3   | 22.3   | 17.0   | 14.2   |
| 37.5° | 9.4    | 10.8   | 14.4   | 10.5   | 9.2    |
| 40°   | 5.8    | 7.3    | 8.9    | 6.8    | 5.5    |
| 42.5° | 2.9    | 4.5    | 5.2    | 3.9    | 2.9    |
| 45°   | 1.3    | 2.1    | 3.4    | 2.1    | 1.3    |
| 47.5° | 0.8    | 1.0    | 2.1    | 1.0    | 0.8    |
| 50°   | 0.8    | 0.8    | 1.3    | 0.8    | 0.8    |
| 52.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 55°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 57.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 60°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 62.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 65°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 67.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 70°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 72.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 75°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 77.5° | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 80°   | 0.3    | 0.3    | 0.3    | 0.3    | 0.3    |
| 82.5° | 0.3    | 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)