

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: P1309235

Luminaire Tested: P3SQAS17R159035DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R159035DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

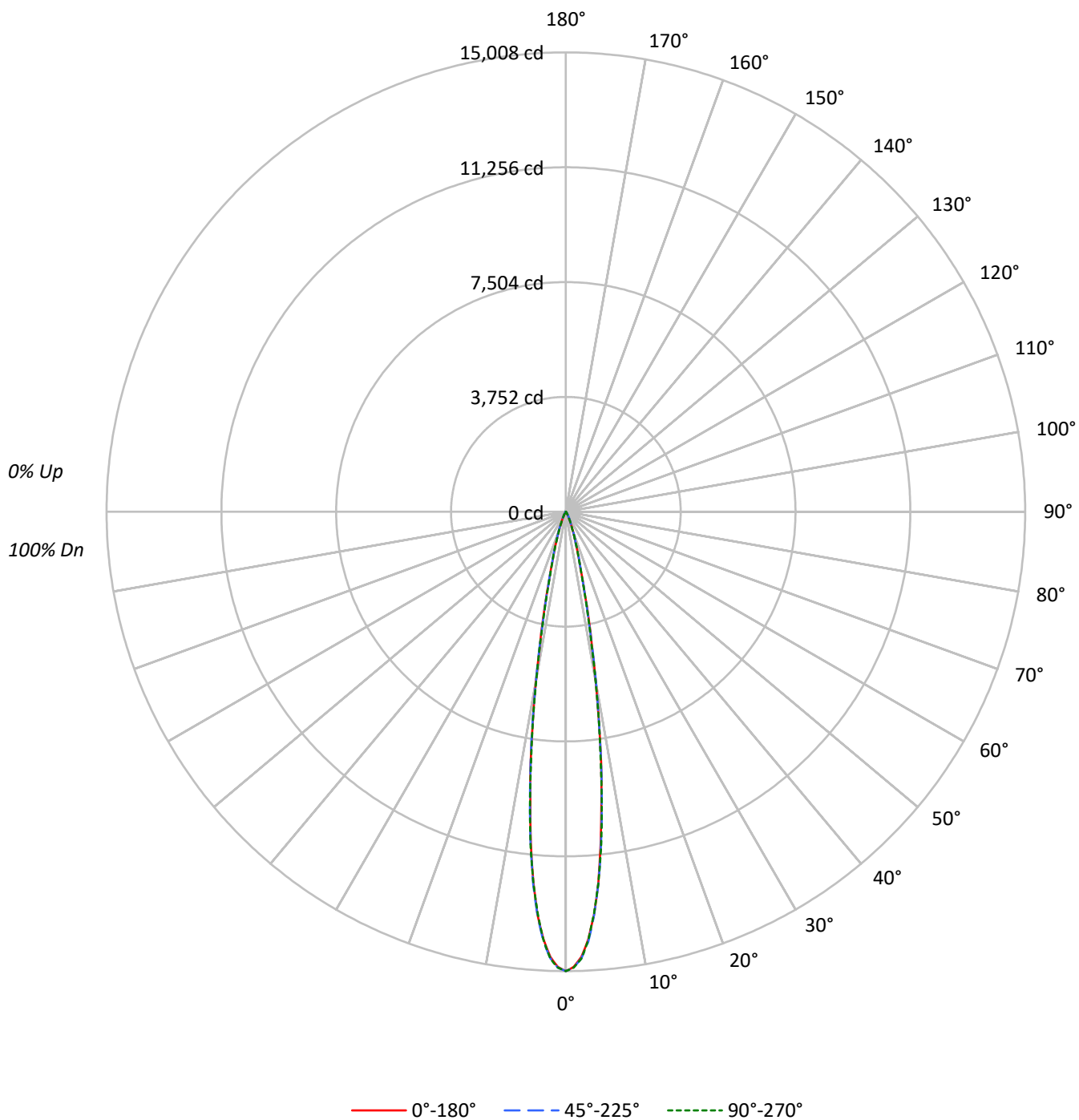
Lumens per Lamp: N/A  
Luminaire Lumens: 1675.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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: P1309235

CATALOG NUMBER: P3SQAS17R159035DE010 E3SQCD1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1309235

CATALOG NUMBER: P3SQAS17R159035DE010 E3SQCD1MB

**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 | 102 | 102 | 100 |
| 1   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 98  |
| 2   | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99  | 99  | 98  | 97  | 97  | 97  | 96  |
| 3   | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98  | 100 | 98  | 97  | 98  | 96  | 95  | 95  | 95  | 94  |
| 4   | 107 | 103 | 99  | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 98  | 96  | 94  | 96  | 95  | 93  | 93  | 93  | 92  |
| 5   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 94  | 98  | 95  | 93  | 96  | 94  | 92  | 95  | 93  | 91  | 91  | 91  | 90  |
| 6   | 103 | 97  | 94  | 92  | 102 | 97  | 94  | 91  | 96  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 90  | 90  | 89  |
| 7   | 101 | 95  | 92  | 90  | 100 | 95  | 92  | 89  | 94  | 91  | 89  | 93  | 90  | 88  | 92  | 90  | 88  | 88  | 88  | 87  |
| 8   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 89  | 87  | 91  | 89  | 87  | 90  | 88  | 87  | 87  | 87  | 86  |
| 9   | 97  | 92  | 88  | 86  | 96  | 91  | 88  | 86  | 90  | 88  | 86  | 90  | 87  | 85  | 89  | 87  | 85  | 85  | 85  | 84  |
| 10  | 95  | 90  | 87  | 84  | 95  | 90  | 86  | 84  | 89  | 86  | 84  | 88  | 86  | 84  | 88  | 85  | 84  | 84  | 84  | 83  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2584700 | 2584700 | 2584700 |
| 5°  | 2104440 | 2111303 | 2107189 |
| 10° | 981668  | 990465  | 977961  |
| 15° | 308259  | 310863  | 308973  |
| 20° | 122135  | 126992  | 118249  |
| 25° | 49350   | 59668   | 47583   |
| 30° | 19767   | 27145   | 18713   |
| 35° | 5845    | 11984   | 5571    |
| 40° | 1776    | 4474    | 1484    |
| 45° | 317     | 974     | 317     |
| 50° | 0       | 348     | 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: 974 cd/sqm

TEST NUMBER: P1309235

CATALOG NUMBER: P3SQAS17R159035DE010 E3SQCD1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 939.6  | 56.1      |
| 10°-20°   | 562.0  | 33.6      |
| 20°-30°   | 141.7  | 8.5       |
| 30°-40°   | 28.9   | 1.7       |
| 40°-50°   | 2.7    | 0.2       |
| 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°    | 1643.3 | 98.1      |
| 0°-40°    | 1672.3 | 99.8      |
| 0°-60°    | 1675.0 | 100.0     |
| 0°-90°    | 1675.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1675.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 15008 | 15008 | 15008 | 15008 | 15008 |      |
| 5°  | 12173 | 12150 | 12212 | 12182 | 12189 | 937  |
| 15° | 1729  | 1744  | 1744  | 1718  | 1733  | 562  |
| 25° | 260   | 284   | 314   | 278   | 250   | 133  |
| 35° | 28    | 37    | 57    | 36    | 26    | 23   |
| 45° | 1     | 3     | 4     | 3     | 1     | 1    |
| 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     |      |

TEST NUMBER: P1309235

CATALOG NUMBER: P3SQAS17R159035DE010 E3SQCD1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 15007.9 | 15007.9 | 15007.9 | 15007.9 | 15007.9 |
| 1°    | 14872.8 | 14923.1 | 14896.7 | 14917.8 | 14894.0 |
| 2°    | 14550.9 | 14618.4 | 14597.2 | 14590.6 | 14609.2 |
| 3°    | 13983.8 | 14062.0 | 14059.3 | 14039.5 | 14007.7 |
| 4°    | 13210.1 | 13178.3 | 13227.3 | 13222.0 | 13167.7 |
| 5°    | 12172.8 | 12150.2 | 12212.5 | 12182.0 | 12188.7 |
| 6°    | 10903.5 | 11001.6 | 10980.4 | 10983.0 | 11008.2 |
| 7°    | 9540.3  | 9593.3  | 9638.3  | 9675.4  | 9623.7  |
| 8°    | 8288.3  | 8275.0  | 8279.0  | 8321.4  | 8178.3  |
| 9°    | 6886.6  | 6968.7  | 6915.7  | 6830.9  | 6885.3  |
| 10°   | 5613.4  | 5663.7  | 5663.7  | 5589.6  | 5592.2  |
| 11°   | 4475.4  | 4516.4  | 4487.3  | 4505.8  | 4389.2  |
| 12°   | 3607.6  | 3505.6  | 3481.7  | 3500.3  | 3498.9  |
| 13°   | 2754.4  | 2761.0  | 2754.4  | 2753.0  | 2739.8  |
| 14°   | 2159.5  | 2194.0  | 2179.4  | 2143.6  | 2127.7  |
| 15°   | 1728.9  | 1743.5  | 1743.5  | 1718.3  | 1732.9  |
| 17.5° | 1038.7  | 1055.9  | 1059.9  | 1042.7  | 1042.7  |
| 20°   | 666.4   | 674.4   | 692.9   | 667.7   | 645.2   |
| 22.5° | 410.7   | 427.9   | 459.7   | 422.6   | 404.1   |
| 25°   | 259.7   | 283.5   | 314.0   | 278.2   | 250.4   |
| 27.5° | 163.0   | 182.8   | 209.3   | 174.9   | 157.7   |
| 30°   | 99.4    | 112.6   | 136.5   | 110.0   | 94.1    |
| 32.5° | 55.6    | 66.2    | 86.1    | 63.6    | 53.0    |
| 35°   | 27.8    | 37.1    | 57.0    | 35.8    | 26.5    |
| 37.5° | 15.9    | 19.9    | 35.8    | 17.2    | 14.6    |
| 40°   | 7.9     | 10.6    | 19.9    | 10.6    | 6.6     |
| 42.5° | 2.6     | 5.3     | 7.9     | 5.3     | 2.6     |
| 45°   | 1.3     | 2.6     | 4.0     | 2.6     | 1.3     |
| 47.5° | 0.0     | 0.0     | 1.3     | 0.0     | 0.0     |
| 50°   | 0.0     | 0.0     | 1.3     | 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     |



TEST NUMBER: P1309235

CATALOG NUMBER: P3SQAS17R159035DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)