

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: P1309127

Luminaire Tested: P3SQAS13R309035DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309127  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R309035DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

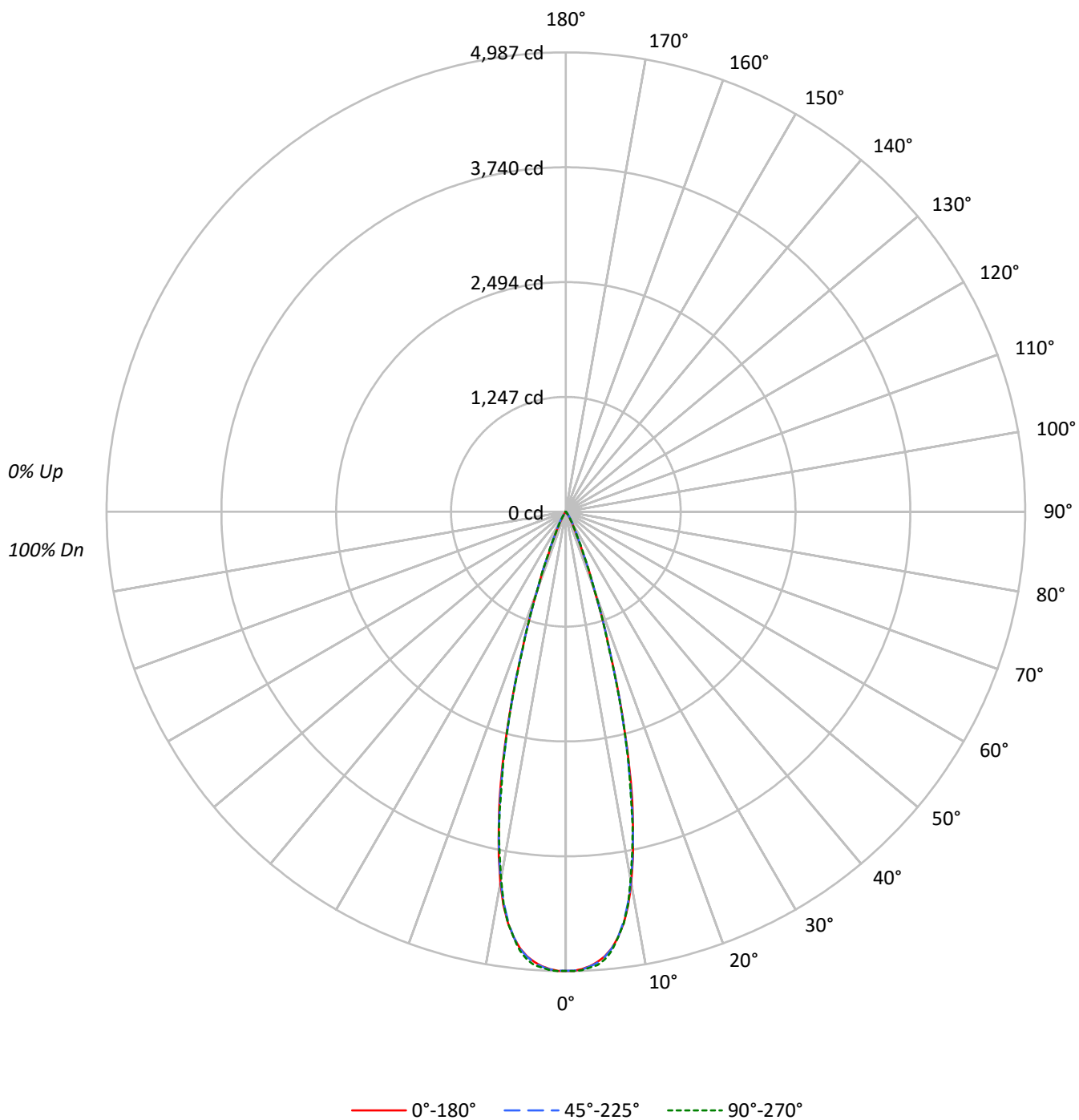
Lumens per Lamp: N/A  
Luminaire Lumens: 1286.0 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 |  | 103 | 102 | 101 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 109 | 106 | 104 | 102 | 103 | 101 | 99  |  | 100 | 99  | 97  |  | 98  |
| 3   | 108 | 104 | 100 | 97  | 106 | 102 | 99  | 97  | 100 | 97  | 95  |  | 98  | 95  | 94  |  | 95  |
| 4   | 105 | 100 | 96  | 93  | 103 | 99  | 95  | 92  | 97  | 94  | 91  |  | 95  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 101 | 95  | 92  | 89  | 94  | 91  | 88  |  | 92  | 90  | 87  |  | 91  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 89  | 86  | 91  | 88  | 85  |  | 90  | 87  | 85  |  | 89  |
| 7   | 96  | 90  | 86  | 83  | 95  | 90  | 86  | 83  | 89  | 85  | 83  |  | 87  | 85  | 82  |  | 87  |
| 8   | 94  | 88  | 84  | 81  | 93  | 87  | 83  | 81  | 86  | 83  | 80  |  | 85  | 82  | 80  |  | 84  |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  |  | 81  | 78  | 76  |  | 80  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 858340 | 858340 | 858340 |
| 5°  | 837399 | 838436 | 843104 |
| 10° | 715204 | 711882 | 707685 |
| 15° | 441359 | 436188 | 437793 |
| 20° | 166817 | 167734 | 167550 |
| 25° | 51307  | 56267  | 53588  |
| 30° | 20682  | 26250  | 21477  |
| 35° | 6097   | 11143  | 6307   |
| 40° | 2473   | 4496   | 2473   |
| 45° | 487    | 1461   | 487    |
| 50° | 0      | 268    | 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: 1461 cd/sqm

TEST NUMBER: P1309127

CATALOG NUMBER: P3SQAS13R309035DE010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 439.6  | 34.2      |
| 10°-20°   | 650.8  | 50.6      |
| 20°-30°   | 161.4  | 12.6      |
| 30°-40°   | 30.3   | 2.4       |
| 40°-50°   | 3.8    | 0.3       |
| 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°    | 1251.8 | 97.3      |
| 0°-40°    | 1282.1 | 99.7      |
| 0°-60°    | 1286.0 | 100.0     |
| 0°-90°    | 1286.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1286.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4984 | 4984  | 4984 | 4984  | 4984 |      |
| 5°  | 4844 | 4842  | 4850 | 4858  | 4877 | 440  |
| 15° | 2475 | 2451  | 2446 | 2465  | 2455 | 654  |
| 25° | 270  | 288   | 296  | 295   | 282  | 155  |
| 35° | 29   | 38    | 53   | 39    | 30   | 24   |
| 45° | 2    | 3     | 6    | 4     | 2    | 2    |
| 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: P1309127

CATALOG NUMBER: P3SQAS13R309035DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4983.9 | 4983.9 | 4983.9 | 4983.9 | 4983.9 |
| 1°    | 4985.9 | 4981.9 | 4981.9 | 4975.9 | 4986.9 |
| 2°    | 4967.9 | 4963.9 | 4970.9 | 4965.9 | 4979.9 |
| 3°    | 4940.8 | 4935.8 | 4945.8 | 4948.8 | 4955.8 |
| 4°    | 4900.8 | 4896.8 | 4907.8 | 4913.8 | 4932.8 |
| 5°    | 4843.8 | 4841.8 | 4849.8 | 4857.8 | 4876.8 |
| 6°    | 4765.8 | 4762.8 | 4767.8 | 4777.8 | 4789.8 |
| 7°    | 4652.8 | 4646.8 | 4650.8 | 4652.8 | 4655.8 |
| 8°    | 4509.8 | 4500.8 | 4495.8 | 4506.8 | 4512.8 |
| 9°    | 4325.7 | 4315.7 | 4304.7 | 4300.7 | 4314.7 |
| 10°   | 4089.7 | 4074.7 | 4070.7 | 4060.7 | 4046.7 |
| 11°   | 3815.7 | 3803.7 | 3800.7 | 3782.6 | 3774.6 |
| 12°   | 3501.6 | 3495.6 | 3502.6 | 3491.6 | 3487.6 |
| 13°   | 3200.5 | 3162.5 | 3157.5 | 3136.5 | 3125.5 |
| 14°   | 2844.5 | 2809.5 | 2808.5 | 2797.5 | 2812.5 |
| 15°   | 2475.4 | 2451.4 | 2446.4 | 2465.4 | 2455.4 |
| 17.5° | 1578.3 | 1594.3 | 1590.3 | 1580.3 | 1563.3 |
| 20°   | 910.2  | 899.2  | 915.2  | 919.2  | 914.2  |
| 22.5° | 485.1  | 489.1  | 492.1  | 504.1  | 512.1  |
| 25°   | 270.0  | 288.0  | 296.1  | 295.1  | 282.0  |
| 27.5° | 168.0  | 179.0  | 194.0  | 184.0  | 173.0  |
| 30°   | 104.0  | 113.0  | 132.0  | 114.0  | 108.0  |
| 32.5° | 56.0   | 71.0   | 85.0   | 71.0   | 58.0   |
| 35°   | 29.0   | 38.0   | 53.0   | 39.0   | 30.0   |
| 37.5° | 19.0   | 22.0   | 34.0   | 22.0   | 19.0   |
| 40°   | 11.0   | 14.0   | 20.0   | 14.0   | 11.0   |
| 42.5° | 5.0    | 8.0    | 11.0   | 8.0    | 5.0    |
| 45°   | 2.0    | 3.0    | 6.0    | 4.0    | 2.0    |
| 47.5° | 0.0    | 1.0    | 3.0    | 1.0    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.0    | 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)