

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: P1311326

Luminaire Tested: P3SQAS13R309050DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R309050DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

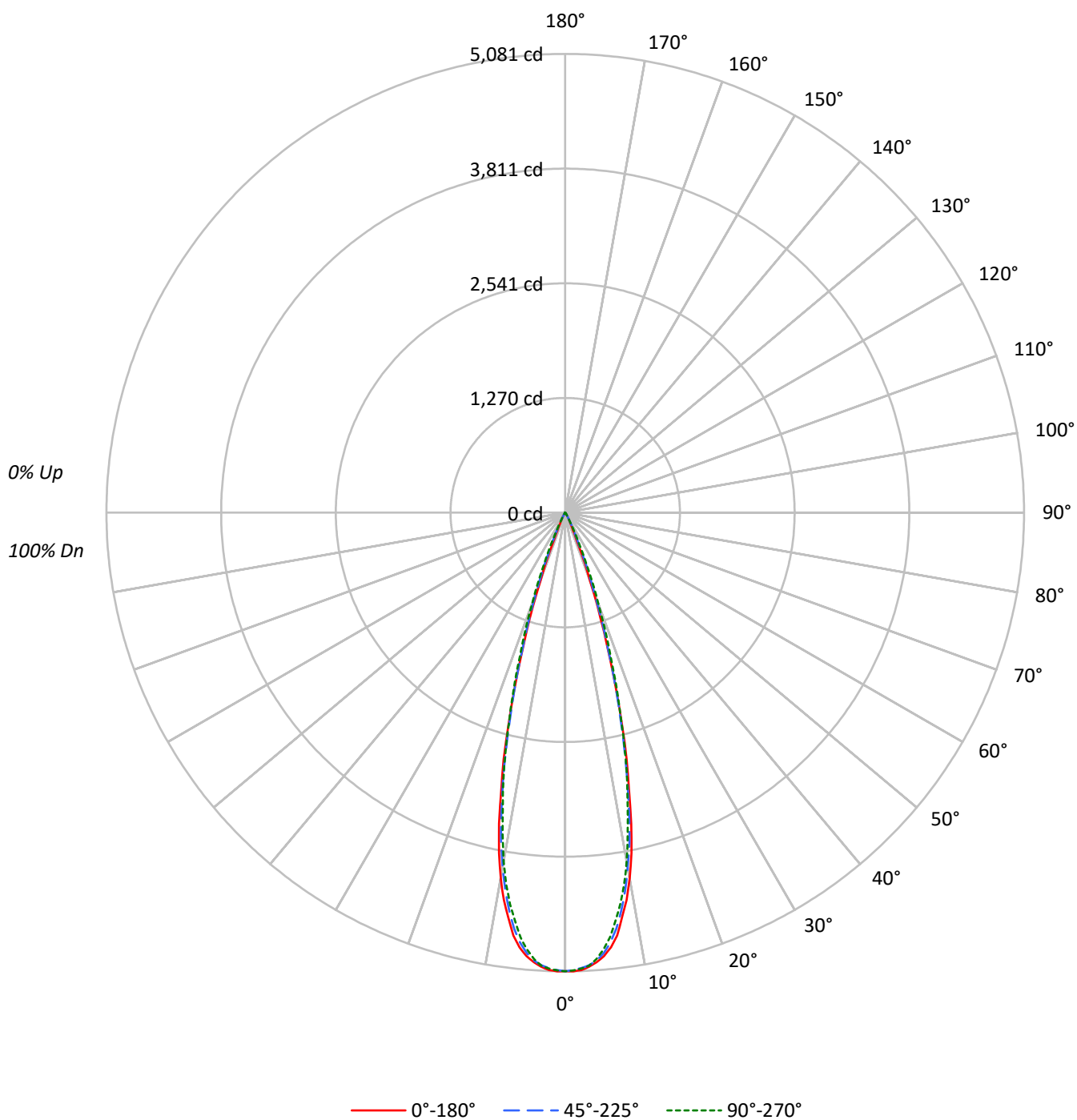
Lumens per Lamp: N/A  
Luminaire Lumens: 1231.0 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1311326

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPH1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1311326

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPH1MW

**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 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 874960 | 874960 | 874960 |
| 5°  | 852422 | 846561 | 839594 |
| 10° | 719384 | 697297 | 685965 |
| 15° | 433514 | 421407 | 429163 |
| 20° | 147042 | 169805 | 195867 |
| 25° | 27022  | 42357  | 50015  |
| 30° | 9287   | 10341  | 11614  |
| 35° | 2670   | 3343   | 3574   |
| 40° | 719    | 1192   | 944    |
| 45° | 268    | 268    | 268    |
| 50° | 295    | 0      | 295    |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 311 cd/sqm

TEST NUMBER: P1311326

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPH1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 439.3  | 35.7      |
| 10°-20°   | 642.0  | 52.2      |
| 20°-30°   | 135.9  | 11.0      |
| 30°-40°   | 12.5   | 1.0       |
| 40°-50°   | 1.2    | 0.1       |
| 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       |
| <hr/>     |        |           |
| 0°-30°    | 1217.2 | 98.9      |
| 0°-40°    | 1229.7 | 99.9      |
| 0°-60°    | 1231.0 | 100.0     |
| 0°-90°    | 1231.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1231.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5080 | 5080  | 5080 | 5080  | 5080 |      |
| 5°  | 4931 | 4921  | 4897 | 4882  | 4856 | 445  |
| 15° | 2431 | 2423  | 2364 | 2419  | 2407 | 641  |
| 25° | 142  | 159   | 223  | 262   | 263  | 104  |
| 35° | 13   | 16    | 16   | 19    | 17   | 11   |
| 45° | 1    | 1     | 1    | 1     | 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    | 0    |

TEST NUMBER: P1311326

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPH1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 5080.4 | 5080.4 | 5080.4 | 5080.4 | 5080.4 |
| 1°    | 5081.4 | 5076.1 | 5068.7 | 5079.3 | 5071.9 |
| 2°    | 5070.8 | 5058.1 | 5047.5 | 5058.1 | 5054.9 |
| 3°    | 5039.0 | 5028.4 | 5021.0 | 5026.3 | 5026.3 |
| 4°    | 4991.2 | 4979.6 | 4973.2 | 4974.3 | 4958.3 |
| 5°    | 4930.7 | 4921.2 | 4896.8 | 4881.9 | 4856.5 |
| 6°    | 4841.6 | 4818.2 | 4788.5 | 4764.1 | 4731.2 |
| 7°    | 4720.6 | 4684.5 | 4642.1 | 4599.6 | 4558.2 |
| 8°    | 4526.4 | 4509.4 | 4452.1 | 4423.4 | 4382.1 |
| 9°    | 4343.9 | 4302.5 | 4240.9 | 4194.2 | 4171.9 |
| 10°   | 4113.6 | 4052.0 | 3987.3 | 3950.1 | 3922.5 |
| 11°   | 3840.8 | 3778.2 | 3726.2 | 3672.1 | 3629.6 |
| 12°   | 3520.3 | 3467.2 | 3407.8 | 3371.7 | 3321.8 |
| 13°   | 3140.4 | 3132.9 | 3066.1 | 3054.4 | 3048.0 |
| 14°   | 2814.5 | 2784.8 | 2719.0 | 2737.1 | 2741.3 |
| 15°   | 2431.4 | 2422.9 | 2363.5 | 2418.7 | 2407.0 |
| 17.5° | 1522.9 | 1526.1 | 1563.3 | 1650.3 | 1677.9 |
| 20°   | 802.3  | 826.7  | 926.5  | 1031.6 | 1068.7 |
| 22.5° | 324.8  | 378.9  | 480.8  | 551.9  | 599.6  |
| 25°   | 142.2  | 159.2  | 222.9  | 262.1  | 263.2  |
| 27.5° | 80.7   | 81.7   | 107.2  | 111.4  | 113.6  |
| 30°   | 46.7   | 47.8   | 52.0   | 55.2   | 58.4   |
| 32.5° | 25.5   | 27.6   | 28.7   | 32.9   | 32.9   |
| 35°   | 12.7   | 15.9   | 15.9   | 19.1   | 17.0   |
| 37.5° | 7.4    | 8.5    | 9.6    | 9.6    | 8.5    |
| 40°   | 3.2    | 4.2    | 5.3    | 5.3    | 4.2    |
| 42.5° | 1.1    | 2.1    | 2.1    | 2.1    | 3.2    |
| 45°   | 1.1    | 1.1    | 1.1    | 1.1    | 1.1    |
| 47.5° | 1.1    | 1.1    | 0.0    | 1.1    | 1.1    |
| 50°   | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 52.5° | 1.1    | 0.0    | 0.0    | 0.0    | 1.1    |
| 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: P1311326

CATALOG NUMBER: P3SQAS13R309050DE010 E3SQPH1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)