

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: P1314401

Luminaire Tested: P3SQAS13R359735DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359735DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

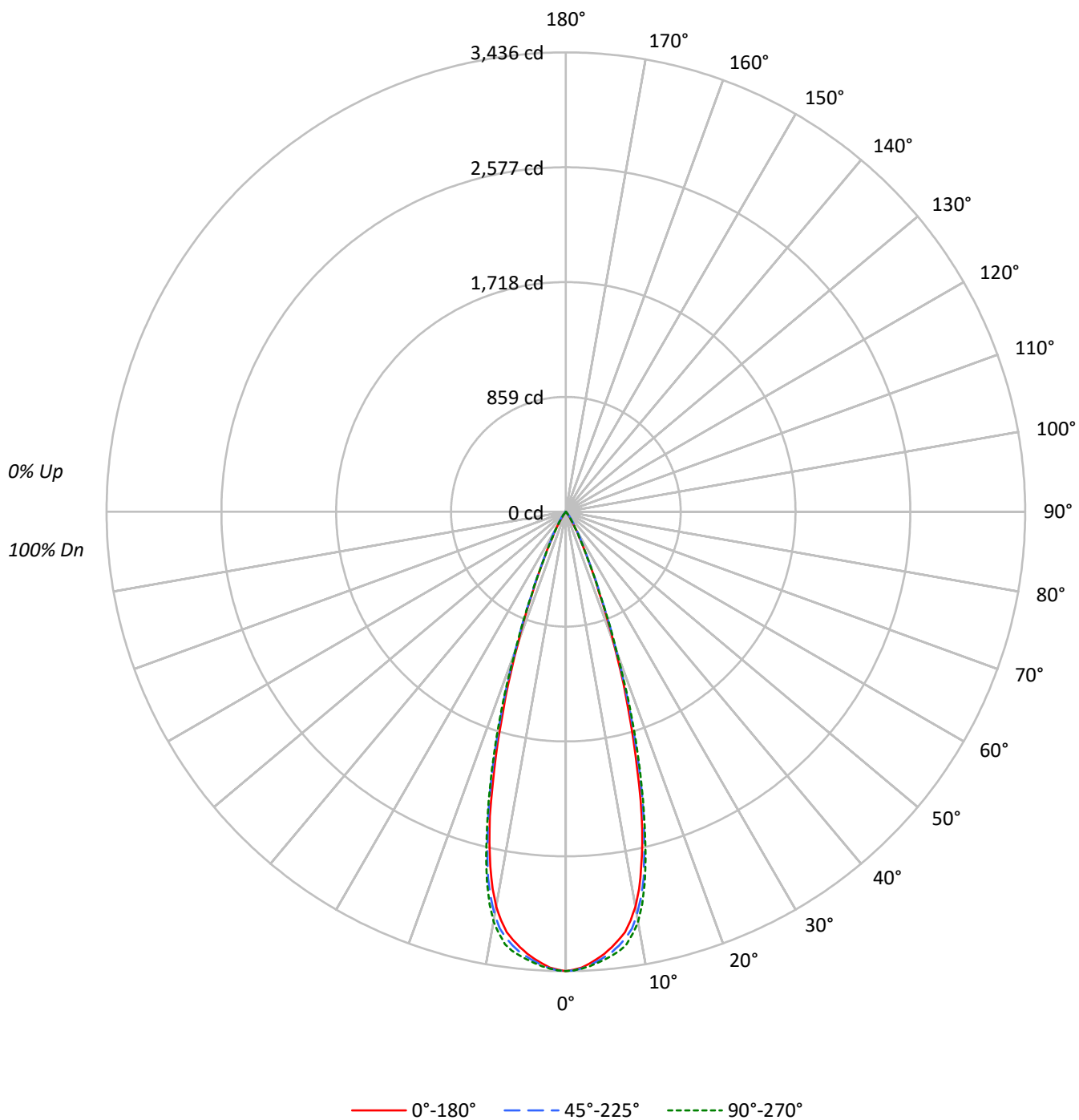
Lumens per Lamp: N/A  
Luminaire Lumens: 1144.0 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P1314401

CATALOG NUMBER: P3SQAS13R359735DE010 E3SQCD1MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1314401

CATALOG NUMBER: P3SQAS13R359735DE010 E3SQCD1MMS

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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 591740 | 591740 | 591740 |
| 5°  | 573790 | 577870 | 581000 |
| 10° | 524341 | 535428 | 544627 |
| 15° | 377065 | 393557 | 396784 |
| 20° | 191963 | 201603 | 202098 |
| 25° | 72837  | 74376  | 72324  |
| 30° | 28299  | 32793  | 27563  |
| 35° | 9713   | 15243  | 9146   |
| 40° | 3260   | 5913   | 3058   |
| 45° | 219    | 1997   | 219    |
| 50° | 0      | 241    | 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: 1997 cd/sqm

TEST NUMBER: P1314401

CATALOG NUMBER: P3SQAS13R359735DE010 E3SQCD1MMS

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 311.0  | 27.2      |
| 10°-20°   | 579.5  | 50.7      |
| 20°-30°   | 208.3  | 18.2      |
| 30°-40°   | 40.7   | 3.6       |
| 40°-50°   | 4.5    | 0.4       |
| 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       |
| 0°-30°    | 1098.8 | 96.0      |
| 0°-40°    | 1139.4 | 99.6      |
| 0°-60°    | 1144.0 | 100.0     |
| 0°-90°    | 1144.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1144.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3436 | 3436  | 3436 | 3436  | 3436 |      |
| 5°  | 3319 | 3328  | 3343 | 3358  | 3361 | 307  |
| 15° | 2115 | 2150  | 2207 | 2223  | 2225 | 562  |
| 25° | 383  | 387   | 391  | 389   | 381  | 201  |
| 35° | 46   | 53    | 72   | 54    | 44   | 34   |
| 45° | 1    | 3     | 8    | 3     | 1    | 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: P1314401

CATALOG NUMBER: P3SQAS13R359735DE010 E3SQCD1MMS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3435.9 | 3435.9 | 3435.9 | 3435.9 | 3435.9 |
| 1°    | 3426.0 | 3430.5 | 3431.4 | 3437.7 | 3430.5 |
| 2°    | 3411.5 | 3414.2 | 3417.8 | 3423.2 | 3419.6 |
| 3°    | 3383.4 | 3388.8 | 3397.0 | 3404.2 | 3404.2 |
| 4°    | 3353.5 | 3360.7 | 3370.7 | 3383.4 | 3382.5 |
| 5°    | 3319.0 | 3328.1 | 3342.6 | 3358.0 | 3360.7 |
| 6°    | 3275.5 | 3286.4 | 3310.0 | 3331.7 | 3335.3 |
| 7°    | 3229.3 | 3245.6 | 3268.3 | 3300.0 | 3308.2 |
| 8°    | 3175.0 | 3187.7 | 3220.3 | 3257.4 | 3266.5 |
| 9°    | 3095.2 | 3114.3 | 3155.9 | 3190.4 | 3195.8 |
| 10°   | 2998.3 | 3011.9 | 3061.7 | 3097.9 | 3114.3 |
| 11°   | 2873.2 | 2893.2 | 2942.1 | 2979.3 | 2990.1 |
| 12°   | 2713.8 | 2742.8 | 2799.8 | 2827.0 | 2836.1 |
| 13°   | 2541.6 | 2566.1 | 2610.5 | 2644.0 | 2651.2 |
| 14°   | 2347.7 | 2371.3 | 2417.5 | 2444.7 | 2438.3 |
| 15°   | 2114.8 | 2150.2 | 2207.3 | 2222.7 | 2225.4 |
| 17.5° | 1562.1 | 1584.8 | 1635.5 | 1660.0 | 1677.2 |
| 20°   | 1047.4 | 1069.2 | 1100.0 | 1116.3 | 1102.7 |
| 22.5° | 637.0  | 655.1  | 671.4  | 670.5  | 666.0  |
| 25°   | 383.3  | 386.9  | 391.4  | 388.7  | 380.6  |
| 27.5° | 223.8  | 233.8  | 247.4  | 238.3  | 224.7  |
| 30°   | 142.3  | 150.4  | 164.9  | 149.5  | 138.6  |
| 32.5° | 75.2   | 95.1   | 110.5  | 89.7   | 78.8   |
| 35°   | 46.2   | 52.6   | 72.5   | 53.5   | 43.5   |
| 37.5° | 28.1   | 32.6   | 45.3   | 31.7   | 25.4   |
| 40°   | 14.5   | 20.8   | 26.3   | 19.0   | 13.6   |
| 42.5° | 4.5    | 10.0   | 14.5   | 9.1    | 4.5    |
| 45°   | 0.9    | 2.7    | 8.2    | 2.7    | 0.9    |
| 47.5° | 0.0    | 0.0    | 3.6    | 0.9    | 0.0    |
| 50°   | 0.0    | 0.0    | 0.9    | 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: P1314401

CATALOG NUMBER: P3SQAS13R359735DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)