

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: P1306911

Luminaire Tested: P3SQAS13R359027DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R359027DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

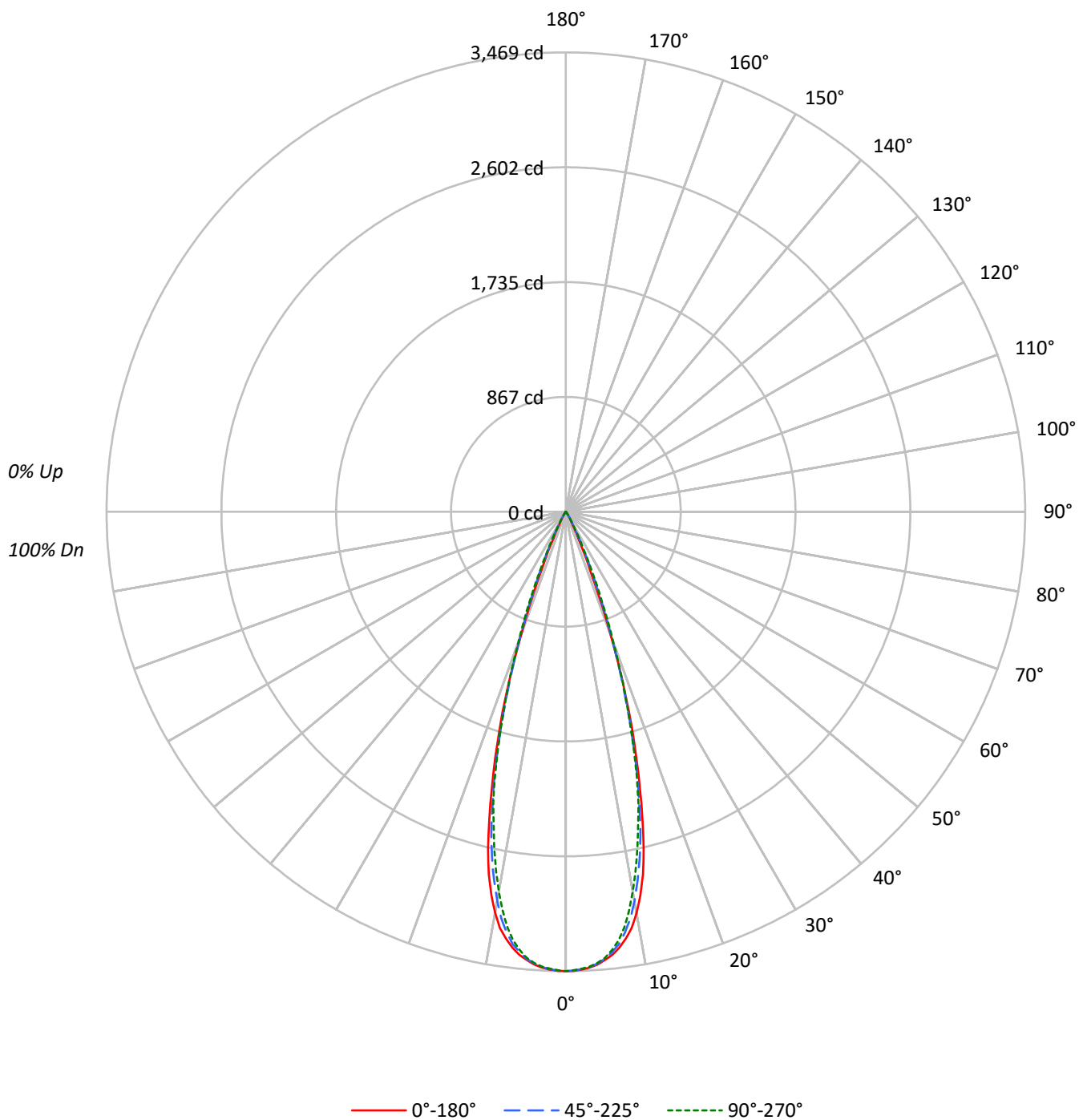
Lumens per Lamp: N/A  
Luminaire Lumens: 1053.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 97  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 97  | 94  |  | 97  | 95  | 93  |  | 95  |
| 4   | 104 | 99  | 95  | 92  | 103 | 98  | 94  | 92  | 96  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 5   | 101 | 95  | 91  | 88  | 100 | 95  | 91  | 88  | 93  | 90  | 87  |  | 92  | 89  | 87  |  | 90  |
| 6   | 98  | 92  | 88  | 85  | 97  | 91  | 88  | 85  | 90  | 87  | 84  |  | 89  | 86  | 84  |  | 88  |
| 7   | 96  | 89  | 85  | 82  | 94  | 89  | 85  | 82  | 87  | 84  | 81  |  | 86  | 83  | 81  |  | 85  |
| 8   | 93  | 86  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 79  |  | 84  | 81  | 79  |  | 83  |
| 9   | 90  | 84  | 80  | 77  | 89  | 83  | 79  | 77  | 82  | 79  | 76  |  | 82  | 79  | 76  |  | 81  |
| 10  | 88  | 81  | 77  | 75  | 87  | 81  | 77  | 74  | 80  | 77  | 74  |  | 80  | 76  | 74  |  | 79  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 597492 | 597492 | 597492 |
| 5°  | 587223 | 585978 | 584716 |
| 10° | 538174 | 521998 | 509319 |
| 15° | 385373 | 373071 | 368560 |
| 20° | 178694 | 184852 | 191340 |
| 25° | 42395  | 60314  | 62918  |
| 30° | 12449  | 14259  | 16048  |
| 35° | 2859   | 4583   | 4205   |
| 40° | 607    | 1214   | 809    |
| 45° | 219    | 219    | 219    |
| 50° | 241    | 0      | 241    |
| 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: 255 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 311.5  | 29.6      |
| 10°-20°   | 556.8  | 52.9      |
| 20°-30°   | 167.5  | 15.9      |
| 30°-40°   | 16.0   | 1.5       |
| 40°-50°   | 1.1    | 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°    | 1035.8 | 98.4      |
| 0°-40°    | 1051.8 | 99.9      |
| 0°-60°    | 1053.0 | 100.0     |
| 0°-90°    | 1053.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1053.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3469 | 3469  | 3469 | 3469  | 3469 |      |
| 5°  | 3397 | 3396  | 3390 | 3385  | 3382 | 315  |
| 15° | 2161 | 2145  | 2092 | 2083  | 2067 | 571  |
| 25° | 223  | 246   | 317  | 331   | 331  | 144  |
| 35° | 14   | 18    | 22   | 24    | 20   | 13   |
| 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    |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3469.3 | 3469.3 | 3469.3 | 3469.3 | 3469.3 |
| 1°    | 3467.5 | 3467.5 | 3465.6 | 3465.6 | 3462.0 |
| 2°    | 3459.3 | 3460.2 | 3456.6 | 3455.7 | 3452.9 |
| 3°    | 3446.6 | 3443.9 | 3443.9 | 3442.1 | 3440.2 |
| 4°    | 3426.6 | 3421.2 | 3419.4 | 3420.3 | 3416.7 |
| 5°    | 3396.7 | 3395.8 | 3389.5 | 3384.9 | 3382.2 |
| 6°    | 3364.1 | 3357.7 | 3344.1 | 3332.3 | 3329.6 |
| 7°    | 3315.1 | 3301.5 | 3289.7 | 3265.2 | 3261.6 |
| 8°    | 3255.2 | 3233.5 | 3208.1 | 3173.6 | 3171.8 |
| 9°    | 3181.8 | 3146.4 | 3111.0 | 3064.7 | 3048.4 |
| 10°   | 3077.4 | 3044.8 | 2984.9 | 2944.1 | 2912.4 |
| 11°   | 2947.7 | 2906.9 | 2837.1 | 2788.1 | 2761.8 |
| 12°   | 2800.8 | 2762.7 | 2681.1 | 2636.6 | 2599.5 |
| 13°   | 2612.2 | 2580.4 | 2504.2 | 2455.2 | 2426.2 |
| 14°   | 2393.6 | 2370.0 | 2297.4 | 2275.7 | 2265.7 |
| 15°   | 2161.4 | 2145.1 | 2092.4 | 2083.4 | 2067.1 |
| 17.5° | 1590.9 | 1563.7 | 1533.7 | 1539.2 | 1544.6 |
| 20°   | 975.0  | 1013.1 | 1008.6 | 1028.5 | 1044.0 |
| 22.5° | 486.2  | 535.1  | 592.3  | 626.7  | 644.0  |
| 25°   | 223.1  | 245.8  | 317.4  | 331.1  | 331.1  |
| 27.5° | 112.5  | 117.9  | 149.7  | 152.4  | 159.6  |
| 30°   | 62.6   | 67.1   | 71.7   | 79.8   | 80.7   |
| 32.5° | 31.7   | 37.2   | 39.0   | 43.5   | 41.7   |
| 35°   | 13.6   | 18.1   | 21.8   | 23.6   | 20.0   |
| 37.5° | 6.3    | 8.2    | 11.8   | 10.9   | 8.2    |
| 40°   | 2.7    | 3.6    | 5.4    | 4.5    | 3.6    |
| 42.5° | 1.8    | 1.8    | 2.7    | 1.8    | 1.8    |
| 45°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 47.5° | 0.9    | 0.9    | 0.0    | 0.9    | 0.9    |
| 50°   | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 52.5° | 0.9    | 0.0    | 0.0    | 0.0    | 0.9    |
| 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)