

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: P1308030

Luminaire Tested: P3SQAS13R359030DE010 E3SQPH1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308030  
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: P3SQAS13R359030DE010 E3SQPH1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

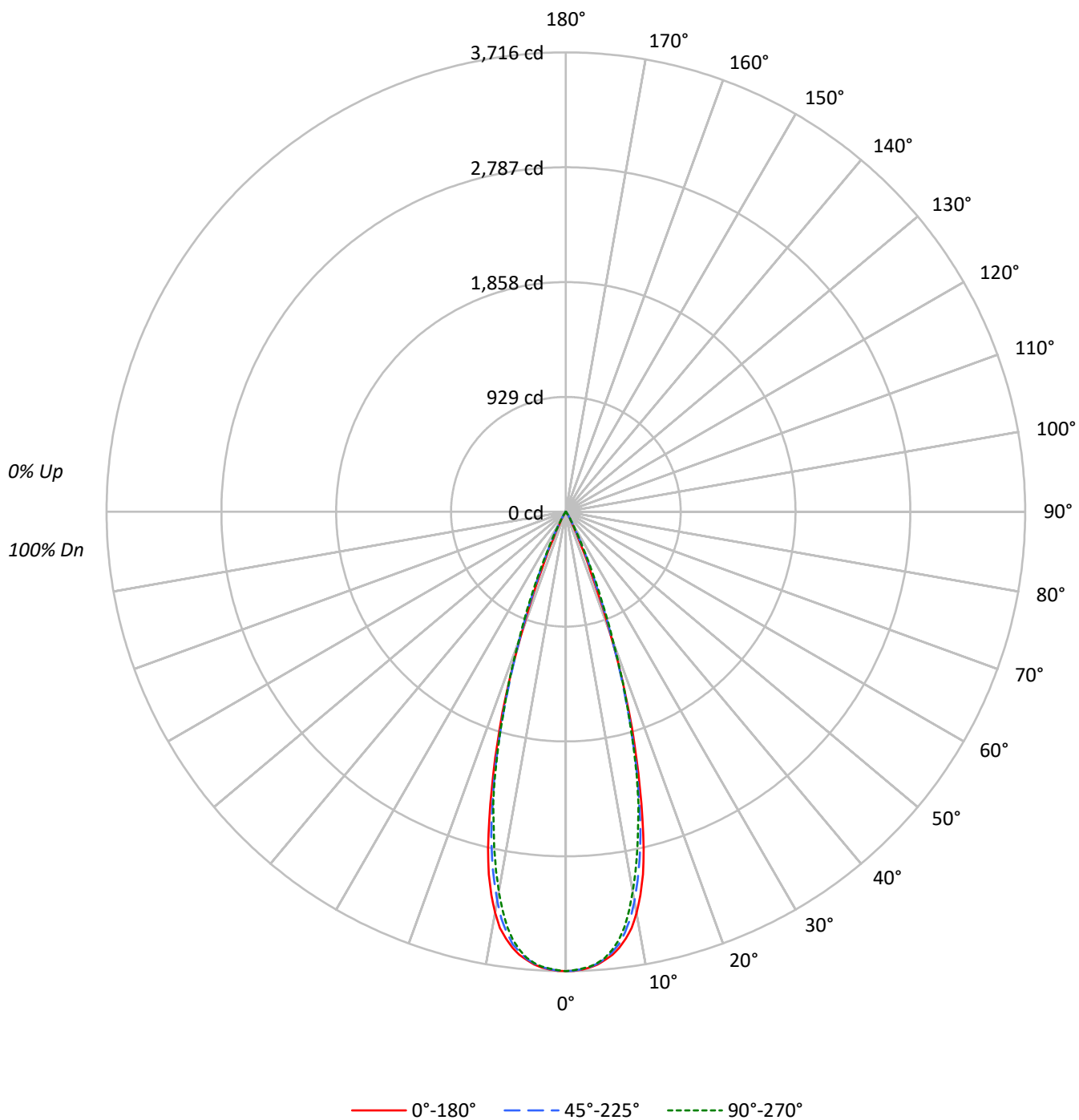
Lumens per Lamp: N/A  
Luminaire Lumens: 1128.0 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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°  | 640048 | 640048 | 640048 |
| 5°  | 629043 | 627712 | 626363 |
| 10° | 576508 | 559177 | 545589 |
| 15° | 412813 | 399655 | 394805 |
| 20° | 191431 | 198011 | 204957 |
| 25° | 45416  | 64628  | 67383  |
| 30° | 13324  | 15273  | 17202  |
| 35° | 3070   | 4899   | 4499   |
| 40° | 652    | 1304   | 877    |
| 45° | 244    | 244    | 244    |
| 50° | 268    | 0      | 268    |
| 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: 283 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 333.7  | 29.6      |
| 10°-20°   | 596.5  | 52.9      |
| 20°-30°   | 179.5  | 15.9      |
| 30°-40°   | 17.2   | 1.5       |
| 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       |
| 0°-30°    | 1109.6 | 98.4      |
| 0°-40°    | 1126.7 | 99.9      |
| 0°-60°    | 1128.0 | 100.0     |
| 0°-90°    | 1128.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1128.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3716 | 3716  | 3716 | 3716  | 3716 |      |
| 5°  | 3639 | 3638  | 3631 | 3626  | 3623 | 337  |
| 15° | 2315 | 2298  | 2242 | 2232  | 2214 | 612  |
| 25° | 239  | 263   | 340  | 355   | 355  | 154  |
| 35° | 15   | 19    | 23   | 25    | 21   | 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°    | 3716.4 | 3716.4 | 3716.4 | 3716.4 | 3716.4 |
| 1°    | 3714.4 | 3714.4 | 3712.5 | 3712.5 | 3708.6 |
| 2°    | 3705.7 | 3706.7 | 3702.8 | 3701.8 | 3698.9 |
| 3°    | 3692.1 | 3689.2 | 3689.2 | 3687.2 | 3685.3 |
| 4°    | 3670.7 | 3664.9 | 3662.9 | 3663.9 | 3660.0 |
| 5°    | 3638.6 | 3637.7 | 3630.9 | 3626.0 | 3623.1 |
| 6°    | 3603.7 | 3596.9 | 3582.3 | 3569.7 | 3566.7 |
| 7°    | 3551.2 | 3536.6 | 3524.0 | 3497.8 | 3493.9 |
| 8°    | 3487.1 | 3463.8 | 3436.5 | 3399.6 | 3397.7 |
| 9°    | 3408.4 | 3370.5 | 3332.6 | 3283.0 | 3265.5 |
| 10°   | 3296.6 | 3261.7 | 3197.5 | 3153.8 | 3119.8 |
| 11°   | 3157.7 | 3114.0 | 3039.2 | 2986.7 | 2958.5 |
| 12°   | 3000.3 | 2959.5 | 2872.0 | 2824.4 | 2784.6 |
| 13°   | 2798.2 | 2764.2 | 2682.6 | 2630.1 | 2599.0 |
| 14°   | 2564.1 | 2538.8 | 2461.1 | 2437.7 | 2427.1 |
| 15°   | 2315.3 | 2297.8 | 2241.5 | 2231.8 | 2214.3 |
| 17.5° | 1704.2 | 1675.0 | 1643.0 | 1648.8 | 1654.6 |
| 20°   | 1044.5 | 1085.3 | 1080.4 | 1101.8 | 1118.3 |
| 22.5° | 520.8  | 573.2  | 634.5  | 671.4  | 689.8  |
| 25°   | 239.0  | 263.3  | 340.1  | 354.6  | 354.6  |
| 27.5° | 120.5  | 126.3  | 160.3  | 163.2  | 171.0  |
| 30°   | 67.0   | 71.9   | 76.8   | 85.5   | 86.5   |
| 32.5° | 34.0   | 39.8   | 41.8   | 46.6   | 44.7   |
| 35°   | 14.6   | 19.4   | 23.3   | 25.3   | 21.4   |
| 37.5° | 6.8    | 8.7    | 12.6   | 11.7   | 8.7    |
| 40°   | 2.9    | 3.9    | 5.8    | 4.9    | 3.9    |
| 42.5° | 1.9    | 1.9    | 2.9    | 1.9    | 1.9    |
| 45°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 47.5° | 1.0    | 1.0    | 0.0    | 1.0    | 1.0    |
| 50°   | 1.0    | 0.0    | 0.0    | 0.0    | 1.0    |
| 52.5° | 1.0    | 0.0    | 0.0    | 0.0    | 1.0    |
| 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)