

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: P1308961

Luminaire Tested: P3SQAS09R309035DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308961  
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: P3SQAS09R309035DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

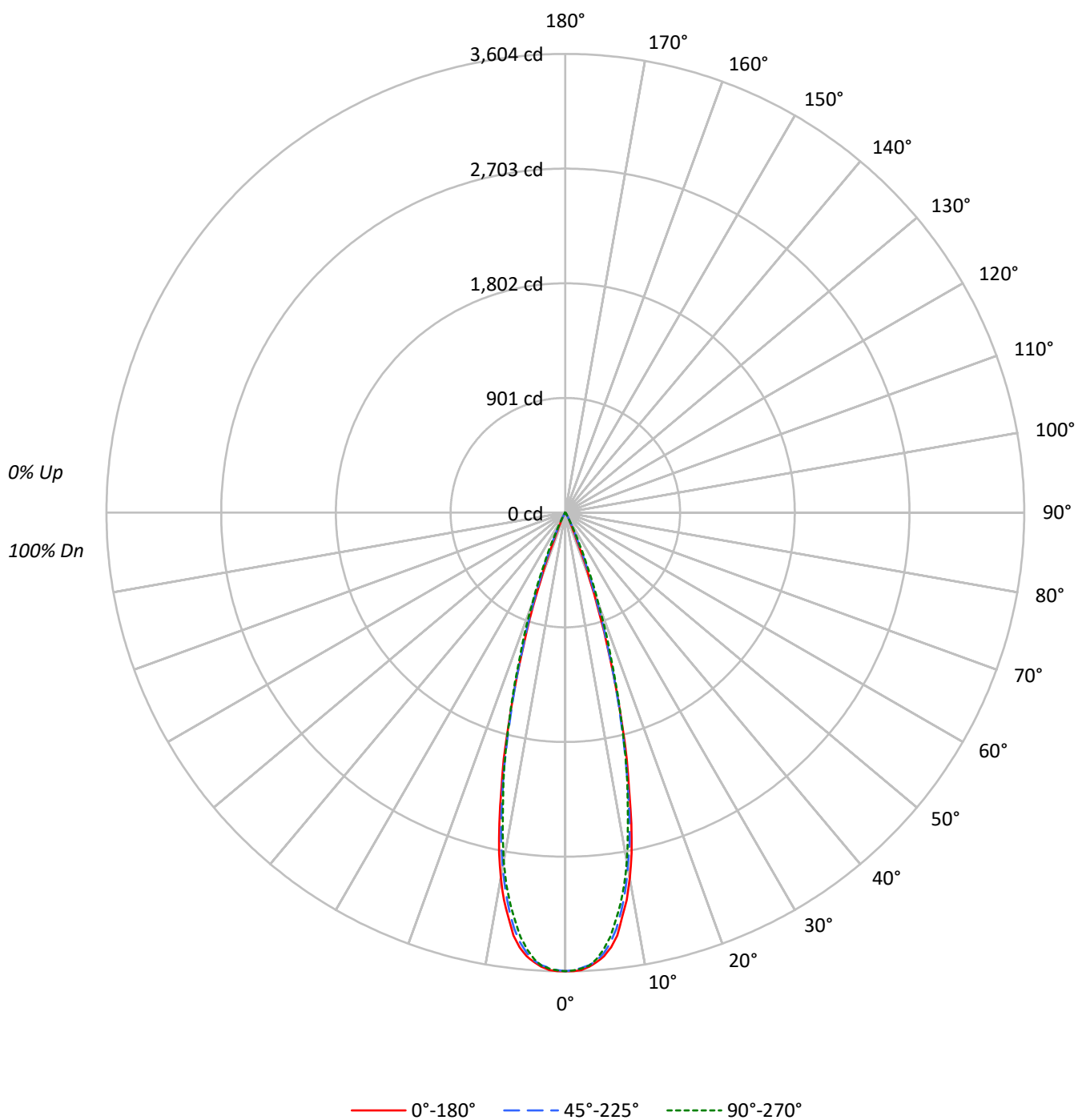
Lumens per Lamp: N/A  
Luminaire Lumens: 873.0 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 99 | 99 |
| 1   | 115 | 113 | 111 | 110 | 113 | 111 | 109 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99  | 99  | 97  | 97 | 97 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 100 | 101 | 99  | 98  | 98  | 97  | 96  | 94  | 94 | 94 |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  | 98  | 96  | 94  | 96  | 94  | 93  | 92  | 92 | 92 |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 94  | 92  | 95  | 93  | 91  | 94  | 92  | 90  | 89  | 89 | 89 |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  | 93  | 90  | 88  | 92  | 89  | 88  | 87  | 87 | 87 |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  | 91  | 88  | 86  | 90  | 87  | 85  | 84  | 84 | 84 |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  | 88  | 86  | 83  | 88  | 85  | 83  | 82  | 82 | 82 |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 86  | 83  | 81  | 80  | 80 | 80 |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  | 84  | 81  | 79  | 84  | 81  | 79  | 78  | 78 | 78 |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  | 82  | 79  | 77  | 82  | 79  | 77  | 76  | 76 | 76 |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 620501 | 620501 | 620501 |
| 5°  | 604529 | 600362 | 595418 |
| 10° | 510158 | 494507 | 486480 |
| 15° | 307439 | 298845 | 304355 |
| 20° | 104284 | 120430 | 138905 |
| 25° | 19174  | 30043  | 35478  |
| 30° | 6582   | 7338   | 8233   |
| 35° | 1892   | 2376   | 2523   |
| 40° | 517    | 854    | 674    |
| 45° | 195    | 195    | 195    |
| 50° | 214    | 0      | 214    |
| 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: 226 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 311.5  | 35.7      |
| 10°-20°   | 455.3  | 52.2      |
| 20°-30°   | 96.3   | 11.0      |
| 30°-40°   | 8.9    | 1.0       |
| 40°-50°   | 0.9    | 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°    | 863.2  | 98.9      |
| 0°-40°    | 872.1  | 99.9      |
| 0°-60°    | 873.0  | 100.0     |
| 0°-90°    | 873.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 873.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3603 | 3603  | 3603 | 3603  | 3603 |      |
| 5°  | 3497 | 3490  | 3473 | 3462  | 3444 | 316  |
| 15° | 1724 | 1718  | 1676 | 1715  | 1707 | 455  |
| 25° | 101  | 113   | 158  | 186   | 187  | 74   |
| 35° | 9    | 11    | 11   | 14    | 12   | 8    |
| 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°    | 3602.9 | 3602.9 | 3602.9 | 3602.9 | 3602.9 |
| 1°    | 3603.7 | 3599.9 | 3594.6 | 3602.2 | 3596.9 |
| 2°    | 3596.1 | 3587.1 | 3579.6 | 3587.1 | 3584.8 |
| 3°    | 3573.6 | 3566.0 | 3560.8 | 3564.5 | 3564.5 |
| 4°    | 3539.7 | 3531.4 | 3526.9 | 3527.6 | 3516.4 |
| 5°    | 3496.8 | 3490.0 | 3472.7 | 3462.2 | 3444.1 |
| 6°    | 3433.6 | 3417.0 | 3395.9 | 3378.6 | 3355.3 |
| 7°    | 3347.8 | 3322.2 | 3292.1 | 3262.0 | 3232.6 |
| 8°    | 3210.0 | 3198.0 | 3157.3 | 3137.0 | 3107.7 |
| 9°    | 3080.6 | 3051.2 | 3007.6 | 2974.4 | 2958.6 |
| 10°   | 2917.2 | 2873.6 | 2827.7 | 2801.3 | 2781.8 |
| 11°   | 2723.8 | 2679.4 | 2642.5 | 2604.1 | 2574.0 |
| 12°   | 2496.5 | 2458.9 | 2416.7 | 2391.1 | 2355.8 |
| 13°   | 2227.1 | 2221.8 | 2174.4 | 2166.1 | 2161.6 |
| 14°   | 1996.0 | 1974.9 | 1928.3 | 1941.1 | 1944.1 |
| 15°   | 1724.3 | 1718.3 | 1676.1 | 1715.3 | 1707.0 |
| 17.5° | 1080.0 | 1082.3 | 1108.6 | 1170.4 | 1189.9 |
| 20°   | 569.0  | 586.3  | 657.1  | 731.6  | 757.9  |
| 22.5° | 230.3  | 268.7  | 340.9  | 391.4  | 425.2  |
| 25°   | 100.9  | 112.9  | 158.1  | 185.9  | 186.7  |
| 27.5° | 57.2   | 58.0   | 76.0   | 79.0   | 80.5   |
| 30°   | 33.1   | 33.9   | 36.9   | 39.1   | 41.4   |
| 32.5° | 18.1   | 19.6   | 20.3   | 23.3   | 23.3   |
| 35°   | 9.0    | 11.3   | 11.3   | 13.5   | 12.0   |
| 37.5° | 5.3    | 6.0    | 6.8    | 6.8    | 6.0    |
| 40°   | 2.3    | 3.0    | 3.8    | 3.8    | 3.0    |
| 42.5° | 0.8    | 1.5    | 1.5    | 1.5    | 2.3    |
| 45°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 47.5° | 0.8    | 0.8    | 0.0    | 0.8    | 0.8    |
| 50°   | 0.8    | 0.0    | 0.0    | 0.0    | 0.8    |
| 52.5° | 0.8    | 0.0    | 0.0    | 0.0    | 0.8    |
| 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)