

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: P1305428

Luminaire Tested: P3SQAS02R309024DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305428  
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: P3SQAS02R309024DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

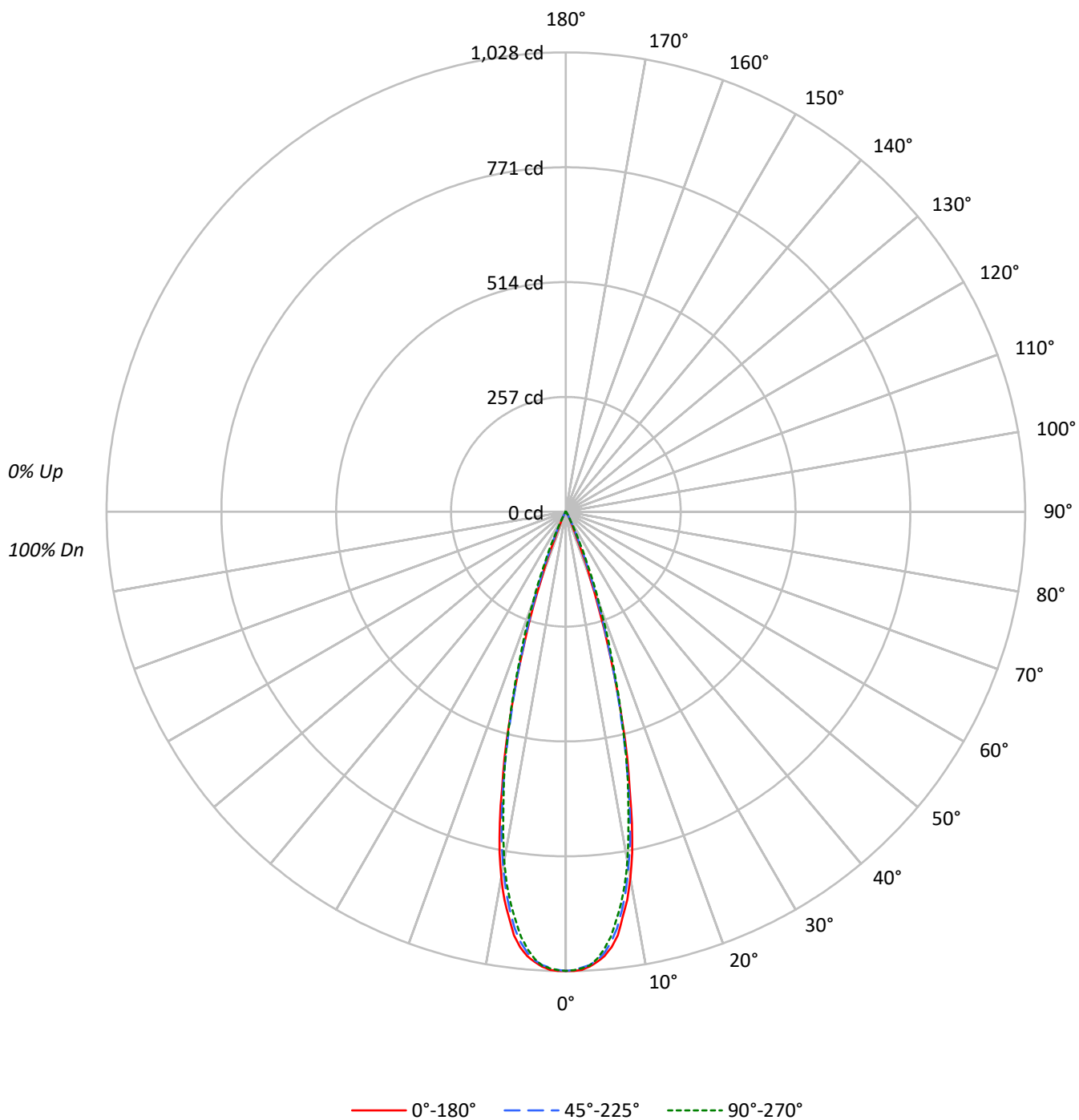
Lumens per Lamp: N/A  
Luminaire Lumens: 249.0 lumens  
Efficiency: N/A  
Efficacy: 69.2 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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 | 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°  | 176976 | 176976 | 176976 |
| 5°  | 172431 | 171238 | 169821 |
| 10° | 145517 | 141040 | 138749 |
| 15° | 87687  | 85244  | 86813  |
| 20° | 29746  | 34346  | 39624  |
| 25° | 5473   | 8570   | 10109  |
| 30° | 1869   | 2088   | 2347   |
| 35° | 547    | 673    | 715    |
| 40° | 135    | 247    | 202    |
| 45° | 49     | 49     | 49     |
| 50° | 54     | 0      | 54     |
| 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: 57 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 88.9   | 35.7      |
| 10°-20°   | 129.9  | 52.2      |
| 20°-30°   | 27.5   | 11.0      |
| 30°-40°   | 2.5    | 1.0       |
| 40°-50°   | 0.2    | 0.1       |
| 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°    | 246.2  | 98.9      |
| 0°-40°    | 248.7  | 99.9      |
| 0°-60°    | 249.0  | 100.0     |
| 0°-90°    | 249.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 249.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1028 | 1028  | 1028 | 1028  | 1028 |      |
| 5°  | 997  | 995   | 990  | 988   | 982  | 90   |
| 15° | 492  | 490   | 478  | 489   | 487  | 130  |
| 25° | 29   | 32    | 45   | 53    | 53   | 21   |
| 35° | 3    | 3     | 3    | 4     | 3    | 2    |
| 45° | 0    | 0     | 0    | 0     | 0    | 0    |
| 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    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1027.6 | 1027.6 | 1027.6 | 1027.6 | 1027.6 |
| 1°    | 1027.8 | 1026.8 | 1025.3 | 1027.4 | 1025.9 |
| 2°    | 1025.7 | 1023.1 | 1021.0 | 1023.1 | 1022.5 |
| 3°    | 1019.3 | 1017.1 | 1015.6 | 1016.7 | 1016.7 |
| 4°    | 1009.6 | 1007.2 | 1006.0 | 1006.2 | 1002.9 |
| 5°    | 997.4  | 995.4  | 990.5  | 987.5  | 982.3  |
| 6°    | 979.3  | 974.6  | 968.6  | 963.7  | 957.0  |
| 7°    | 954.9  | 947.6  | 939.0  | 930.4  | 922.0  |
| 8°    | 915.6  | 912.1  | 900.5  | 894.8  | 886.4  |
| 9°    | 878.7  | 870.3  | 857.8  | 848.4  | 843.9  |
| 10°   | 832.1  | 819.6  | 806.5  | 799.0  | 793.4  |
| 11°   | 776.9  | 764.2  | 753.7  | 742.8  | 734.2  |
| 12°   | 712.1  | 701.3  | 689.3  | 682.0  | 671.9  |
| 13°   | 635.2  | 633.7  | 620.2  | 617.8  | 616.5  |
| 14°   | 569.3  | 563.3  | 550.0  | 553.6  | 554.5  |
| 15°   | 491.8  | 490.1  | 478.1  | 489.2  | 486.9  |
| 17.5° | 308.1  | 308.7  | 316.2  | 333.8  | 339.4  |
| 20°   | 162.3  | 167.2  | 187.4  | 208.7  | 216.2  |
| 22.5° | 65.7   | 76.6   | 97.2   | 111.6  | 121.3  |
| 25°   | 28.8   | 32.2   | 45.1   | 53.0   | 53.2   |
| 27.5° | 16.3   | 16.5   | 21.7   | 22.5   | 23.0   |
| 30°   | 9.4    | 9.7    | 10.5   | 11.2   | 11.8   |
| 32.5° | 5.2    | 5.6    | 5.8    | 6.7    | 6.7    |
| 35°   | 2.6    | 3.2    | 3.2    | 3.9    | 3.4    |
| 37.5° | 1.5    | 1.7    | 1.9    | 1.9    | 1.7    |
| 40°   | 0.6    | 0.9    | 1.1    | 1.1    | 0.9    |
| 42.5° | 0.2    | 0.4    | 0.4    | 0.4    | 0.6    |
| 45°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| 47.5° | 0.2    | 0.2    | 0.0    | 0.2    | 0.2    |
| 50°   | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 52.5° | 0.2    | 0.0    | 0.0    | 0.0    | 0.2    |
| 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)