

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: P1308804

Luminaire Tested: P3SQAS05R309035DE010 E3SQPH1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308804  
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: P3SQAS05R309035DE010 E3SQPH1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPH1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

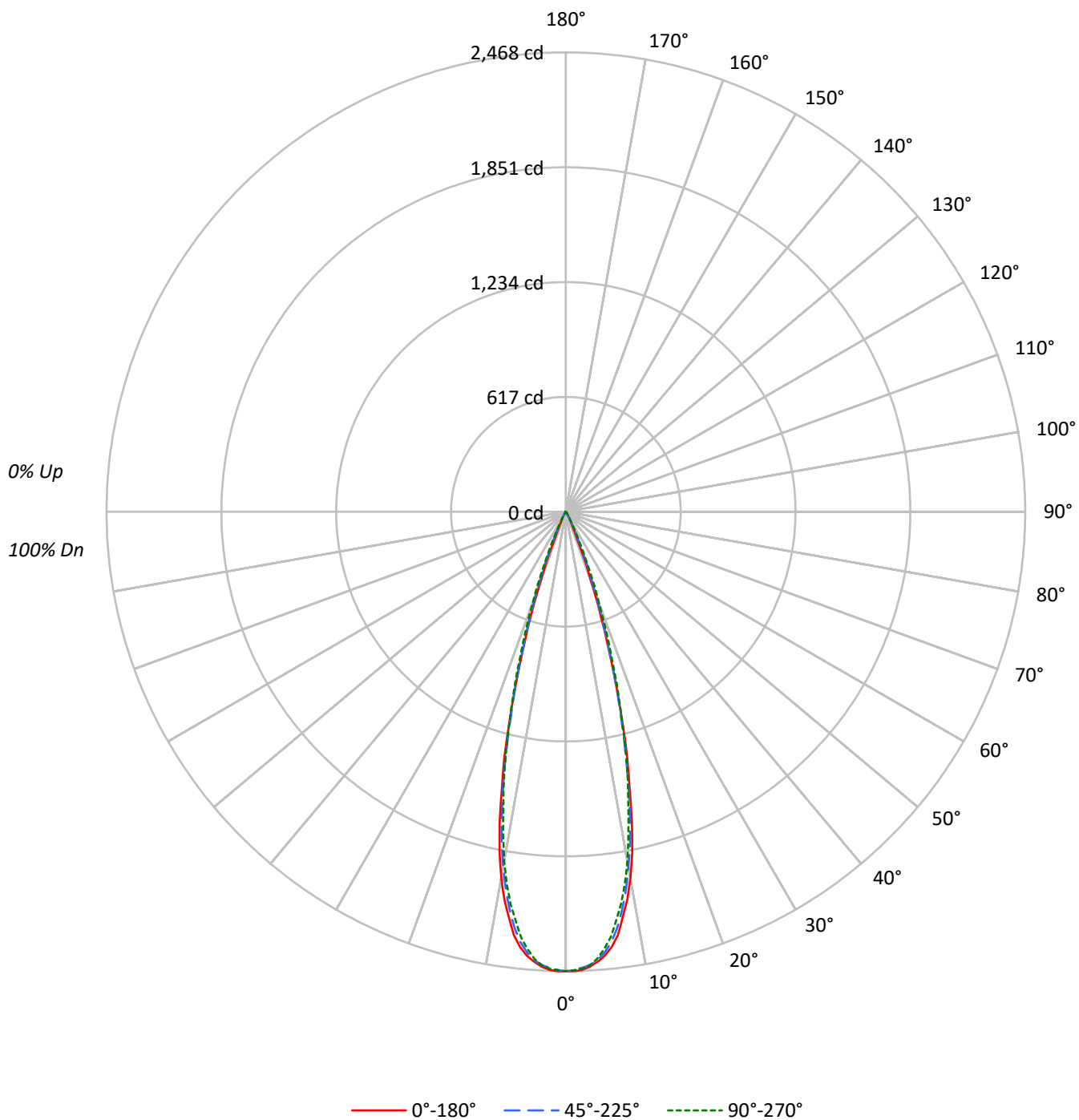
Lumens per Lamp: N/A  
Luminaire Lumens: 598.0 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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°  | 425045 | 425045 | 425045 |
| 5°  | 414101 | 411248 | 407860 |
| 10° | 349462 | 338724 | 333233 |
| 15° | 210588 | 204704 | 208484 |
| 20° | 71441  | 82492  | 95157  |
| 25° | 13131  | 20580  | 24304  |
| 30° | 4514   | 5031   | 5648   |
| 35° | 1304   | 1619   | 1724   |
| 40° | 337    | 585    | 472    |
| 45° | 122    | 122    | 122    |
| 50° | 134    | 0      | 134    |
| 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: 141 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 213.4  | 35.7      |
| 10°-20°   | 311.9  | 52.2      |
| 20°-30°   | 66.0   | 11.0      |
| 30°-40°   | 6.1    | 1.0       |
| 40°-50°   | 0.6    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 591.3  | 98.9      |
| 0°-40°    | 597.4  | 99.9      |
| 0°-60°    | 598.0  | 100.0     |
| 0°-90°    | 598.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 598.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2468 | 2468  | 2468 | 2468  | 2468 |      |
| 5°  | 2395 | 2391  | 2379 | 2372  | 2359 | 216  |
| 15° | 1181 | 1177  | 1148 | 1175  | 1169 | 312  |
| 25° | 69   | 77    | 108  | 127   | 128  | 50   |
| 35° | 6    | 8     | 8    | 9     | 8    | 5    |
| 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°    | 2468.0 | 2468.0 | 2468.0 | 2468.0 | 2468.0 |
| 1°    | 2468.5 | 2465.9 | 2462.3 | 2467.5 | 2463.8 |
| 2°    | 2463.3 | 2457.1 | 2452.0 | 2457.1 | 2455.6 |
| 3°    | 2447.9 | 2442.7 | 2439.1 | 2441.7 | 2441.7 |
| 4°    | 2424.7 | 2419.0 | 2415.9 | 2416.4 | 2408.7 |
| 5°    | 2395.3 | 2390.6 | 2378.8 | 2371.6 | 2359.2 |
| 6°    | 2352.0 | 2340.6 | 2326.2 | 2314.3 | 2298.4 |
| 7°    | 2293.2 | 2275.7 | 2255.0 | 2234.4 | 2214.3 |
| 8°    | 2198.8 | 2190.6 | 2162.8 | 2148.8 | 2128.7 |
| 9°    | 2110.2 | 2090.1 | 2060.2 | 2037.5 | 2026.7 |
| 10°   | 1998.3 | 1968.4 | 1936.9 | 1918.9 | 1905.5 |
| 11°   | 1865.8 | 1835.4 | 1810.1 | 1783.8 | 1763.2 |
| 12°   | 1710.1 | 1684.3 | 1655.5 | 1637.9 | 1613.7 |
| 13°   | 1525.5 | 1521.9 | 1489.4 | 1483.8 | 1480.7 |
| 14°   | 1367.3 | 1352.8 | 1320.9 | 1329.6 | 1331.7 |
| 15°   | 1181.1 | 1177.0 | 1148.1 | 1175.0 | 1169.3 |
| 17.5° | 739.8  | 741.4  | 759.4  | 801.7  | 815.1  |
| 20°   | 389.8  | 401.6  | 450.1  | 501.1  | 519.2  |
| 22.5° | 157.8  | 184.1  | 233.5  | 268.1  | 291.3  |
| 25°   | 69.1   | 77.3   | 108.3  | 127.3  | 127.9  |
| 27.5° | 39.2   | 39.7   | 52.1   | 54.1   | 55.2   |
| 30°   | 22.7   | 23.2   | 25.3   | 26.8   | 28.4   |
| 32.5° | 12.4   | 13.4   | 13.9   | 16.0   | 16.0   |
| 35°   | 6.2    | 7.7    | 7.7    | 9.3    | 8.2    |
| 37.5° | 3.6    | 4.1    | 4.6    | 4.6    | 4.1    |
| 40°   | 1.5    | 2.1    | 2.6    | 2.6    | 2.1    |
| 42.5° | 0.5    | 1.0    | 1.0    | 1.0    | 1.5    |
| 45°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 47.5° | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    |
| 50°   | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 52.5° | 0.5    | 0.0    | 0.0    | 0.0    | 0.5    |
| 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)