

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: P1308334

Luminaire Tested: P3SQAS20R359030D010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308334  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R359030D010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

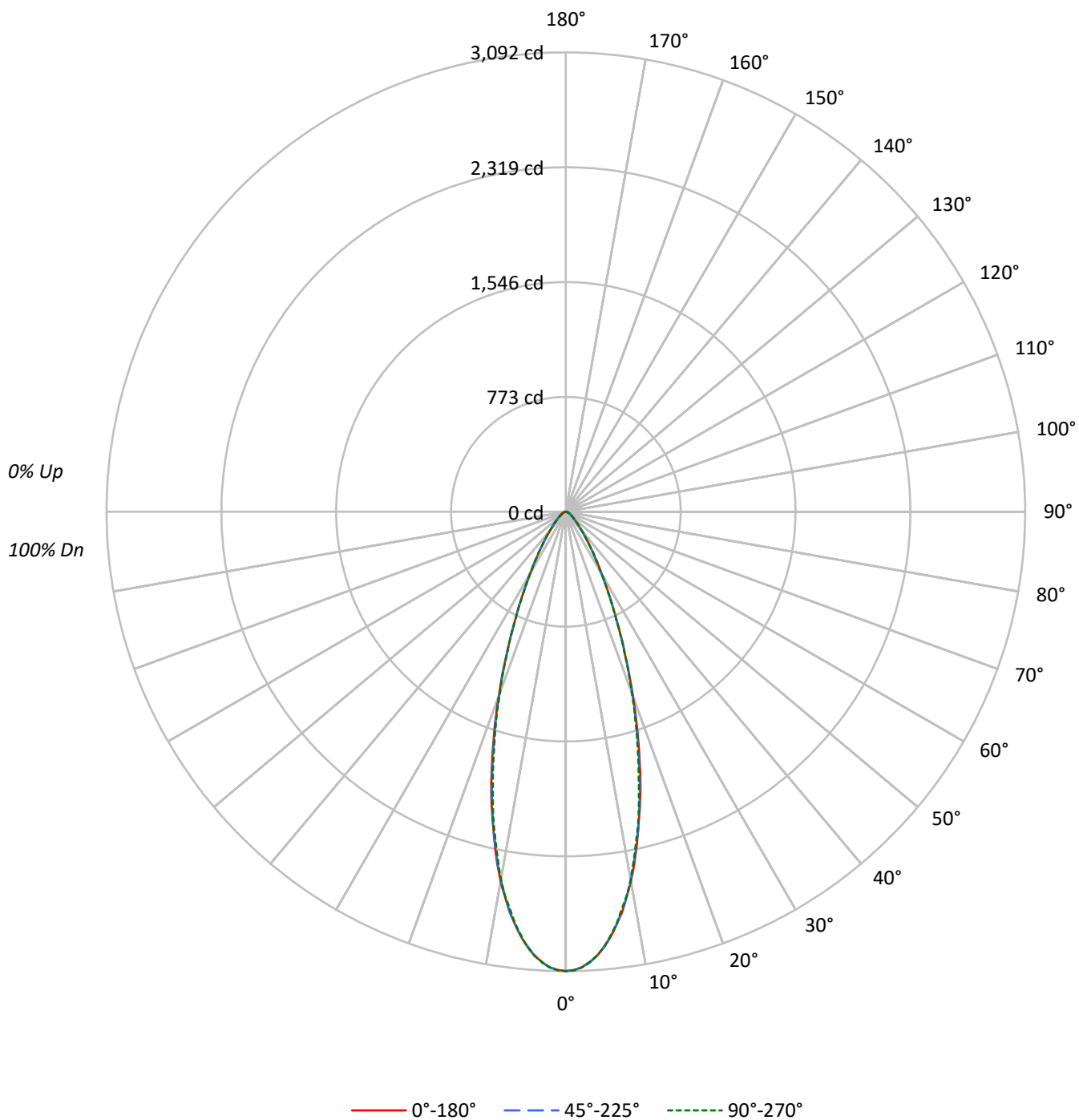
Lumens per Lamp: N/A  
Luminaire Lumens: 1525.0 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  |  | 95  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  |  | 90  | 87  | 85  |  | 88  |
| 4   | 98  | 91  | 86  | 82  | 96  | 90  | 85  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 84  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  |  | 82  | 78  | 75  |  | 80  |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  |  | 78  | 74  | 70  |  | 76  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  |  | 71  | 67  | 63  |  | 70  |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  |  | 68  | 63  | 60  |  | 67  |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  |  | 65  | 61  | 58  |  | 64  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 532547 | 532547 | 532547 |
| 5°  | 508874 | 508009 | 508874 |
| 10° | 441780 | 440294 | 439699 |
| 15° | 346166 | 343455 | 338035 |
| 20° | 242180 | 240018 | 238460 |
| 25° | 153808 | 154777 | 153808 |
| 30° | 94759  | 95436  | 94759  |
| 35° | 58616  | 58974  | 58974  |
| 40° | 37230  | 37613  | 37613  |
| 45° | 25111  | 25525  | 25939  |
| 50° | 18112  | 18568  | 18568  |
| 55° | 14202  | 14202  | 14202  |
| 60° | 11642  | 11642  | 11642  |
| 65° | 10310  | 10310  | 10310  |
| 70° | 9366   | 9366   | 9366   |
| 75° | 7852   | 7852   | 7852   |
| 80° | 6744   | 6744   | 6744   |
| 85° | 3359   | 3359   | 6719   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 25939 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 267.2  | 17.5      |
| 10°-20°   | 526.2  | 34.5      |
| 20°-30°   | 379.6  | 24.9      |
| 30°-40°   | 183.0  | 12.0      |
| 40°-50°   | 84.4   | 5.5       |
| 50°-60°   | 43.7   | 2.9       |
| 60°-70°   | 25.2   | 1.7       |
| 70°-80°   | 12.7   | 0.8       |
| 80°-90°   | 3.0    | 0.2       |
| 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°    | 1173.0 | 76.9      |
| 0°-40°    | 1356.1 | 88.9      |
| 0°-60°    | 1484.1 | 97.3      |
| 0°-90°    | 1525.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1525.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 3092 | 3092  | 3092 | 3092  | 3092 |      |
| 5°  | 2944 | 2950  | 2938 | 2940  | 2944 | 267  |
| 15° | 1942 | 1938  | 1926 | 1918  | 1896 | 529  |
| 25° | 809  | 811   | 814  | 814   | 809  | 380  |
| 35° | 279  | 279   | 280  | 280   | 280  | 182  |
| 45° | 103  | 105   | 105  | 106   | 106  | 83   |
| 55° | 47   | 47    | 47   | 47    | 47   | 43   |
| 65° | 25   | 25    | 25   | 25    | 25   | 25   |
| 75° | 12   | 12    | 12   | 12    | 12   | 13   |
| 85° | 2    | 2     | 2    | 2     | 3    | 3    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3092.2 | 3092.2 | 3092.2 | 3092.2 | 3092.2 |
| 1°    | 3083.8 | 3088.9 | 3087.2 | 3088.9 | 3087.2 |
| 2°    | 3068.6 | 3072.0 | 3068.6 | 3070.3 | 3070.3 |
| 3°    | 3036.5 | 3039.8 | 3039.8 | 3038.2 | 3036.5 |
| 4°    | 2997.6 | 3006.1 | 2997.6 | 2999.3 | 2994.2 |
| 5°    | 2943.5 | 2950.3 | 2938.5 | 2940.2 | 2943.5 |
| 6°    | 2877.6 | 2879.3 | 2875.9 | 2874.3 | 2870.9 |
| 7°    | 2801.6 | 2808.4 | 2796.5 | 2798.2 | 2794.8 |
| 8°    | 2720.5 | 2718.8 | 2718.8 | 2712.0 | 2701.9 |
| 9°    | 2622.5 | 2629.2 | 2619.1 | 2615.7 | 2617.4 |
| 10°   | 2526.2 | 2526.2 | 2517.7 | 2509.3 | 2514.3 |
| 11°   | 2416.3 | 2413.0 | 2407.9 | 2396.1 | 2392.7 |
| 12°   | 2296.4 | 2303.1 | 2287.9 | 2282.8 | 2271.0 |
| 13°   | 2173.0 | 2183.1 | 2176.4 | 2157.8 | 2159.5 |
| 14°   | 2058.1 | 2051.3 | 2046.3 | 2042.9 | 2031.1 |
| 15°   | 1941.5 | 1938.1 | 1926.3 | 1917.9 | 1895.9 |
| 17.5° | 1622.2 | 1625.5 | 1603.6 | 1600.2 | 1591.7 |
| 20°   | 1321.4 | 1311.2 | 1309.6 | 1311.2 | 1301.1 |
| 22.5° | 1042.6 | 1052.7 | 1040.9 | 1042.6 | 1035.8 |
| 25°   | 809.4  | 811.1  | 814.5  | 814.5  | 809.4  |
| 27.5° | 628.6  | 628.6  | 625.2  | 628.6  | 623.5  |
| 30°   | 476.5  | 476.5  | 479.9  | 483.3  | 476.5  |
| 32.5° | 368.4  | 368.4  | 368.4  | 370.1  | 371.7  |
| 35°   | 278.8  | 278.8  | 280.5  | 280.5  | 280.5  |
| 37.5° | 214.6  | 216.3  | 218.0  | 218.0  | 218.0  |
| 40°   | 165.6  | 167.3  | 167.3  | 169.0  | 167.3  |
| 42.5° | 131.8  | 131.8  | 131.8  | 133.5  | 133.5  |
| 45°   | 103.1  | 104.8  | 104.8  | 106.5  | 106.5  |
| 47.5° | 84.5   | 84.5   | 84.5   | 86.2   | 86.2   |
| 50°   | 67.6   | 69.3   | 69.3   | 69.3   | 69.3   |
| 52.5° | 55.8   | 55.8   | 57.5   | 57.5   | 57.5   |
| 55°   | 47.3   | 47.3   | 47.3   | 47.3   | 47.3   |
| 57.5° | 38.9   | 40.6   | 40.6   | 40.6   | 40.6   |
| 60°   | 33.8   | 33.8   | 33.8   | 33.8   | 33.8   |
| 62.5° | 28.7   | 28.7   | 28.7   | 28.7   | 28.7   |
| 65°   | 25.3   | 25.3   | 25.3   | 25.3   | 25.3   |
| 67.5° | 20.3   | 22.0   | 22.0   | 22.0   | 22.0   |
| 70°   | 18.6   | 18.6   | 18.6   | 18.6   | 18.6   |
| 72.5° | 13.5   | 15.2   | 15.2   | 15.2   | 15.2   |
| 75°   | 11.8   | 11.8   | 11.8   | 11.8   | 11.8   |
| 77.5° | 10.1   | 8.4    | 8.4    | 8.4    | 10.1   |
| 80°   | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    |
| 82.5° | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    |
| 85°   | 1.7    | 1.7    | 1.7    | 1.7    | 3.4    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.7    | 1.7    |



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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)