

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: P1318130

Luminaire Tested: P3SQAS17R259835DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259835DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

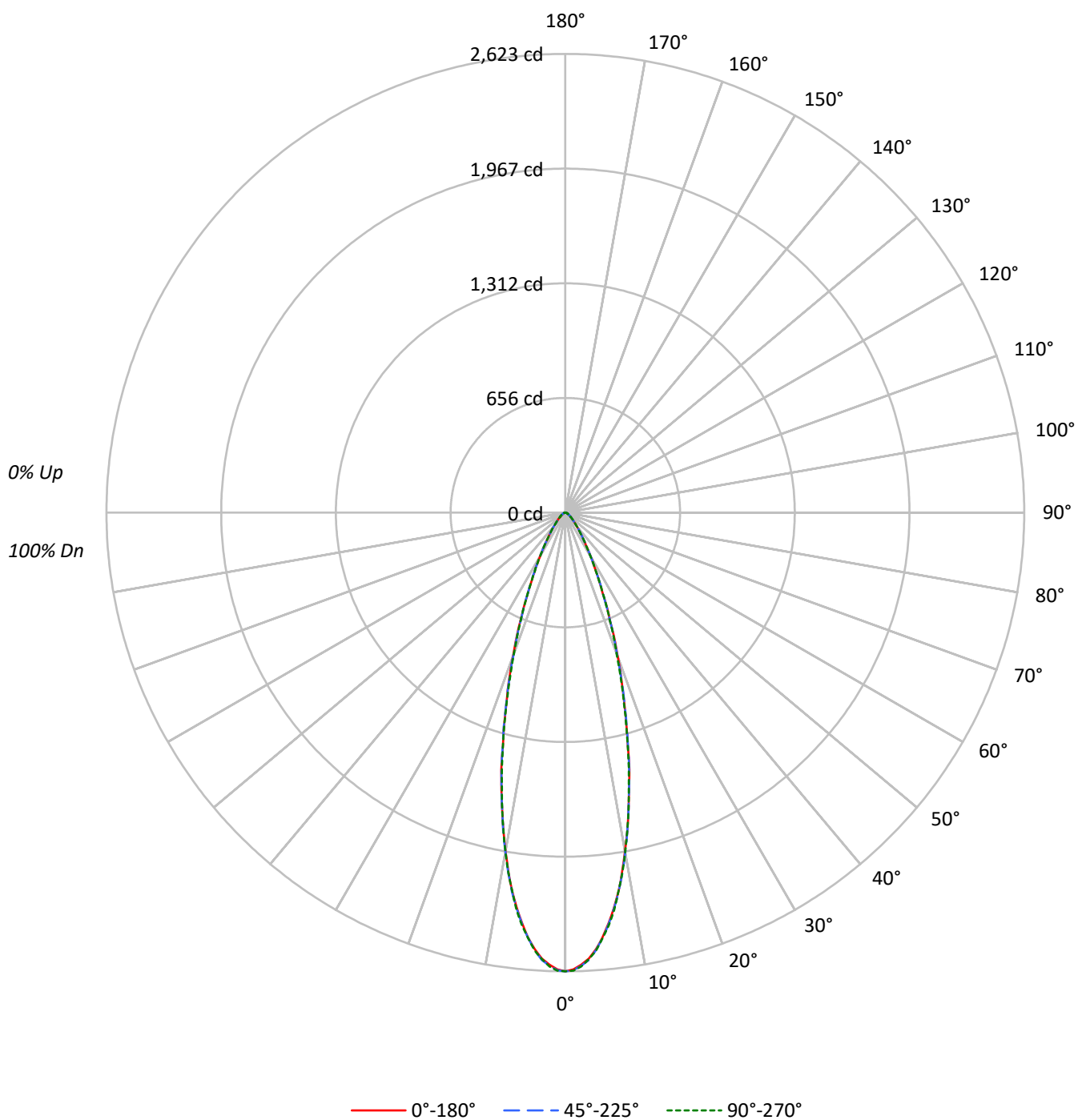
Lumens per Lamp: N/A  
Luminaire Lumens: 1051.0 lumens  
Efficiency: N/A  
Efficacy: 51.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 73  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 451740 | 451740 | 451740 |
| 5°  | 421656 | 422070 | 422295 |
| 10° | 343918 | 345002 | 345002 |
| 15° | 245659 | 246961 | 245659 |
| 20° | 160769 | 159193 | 156939 |
| 25° | 95583  | 96058  | 95583  |
| 30° | 57572  | 57572  | 57333  |
| 35° | 35090  | 35342  | 35090  |
| 40° | 22347  | 22617  | 22617  |
| 45° | 15539  | 15539  | 15539  |
| 50° | 11173  | 11494  | 11494  |
| 55° | 8828   | 8828   | 9218   |
| 60° | 7199   | 7612   | 7612   |
| 65° | 6479   | 6479   | 6479   |
| 70° | 5539   | 5539   | 6194   |
| 75° | 4924   | 4924   | 5723   |
| 80° | 4860   | 4860   | 4860   |
| 85° | 2371   | 2371   | 2371   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15539 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 218.0  | 20.7      |
| 10°-20°   | 379.9  | 36.2      |
| 20°-30°   | 238.9  | 22.7      |
| 30°-40°   | 109.3  | 10.4      |
| 40°-50°   | 51.0   | 4.9       |
| 50°-60°   | 27.4   | 2.6       |
| 60°-70°   | 16.2   | 1.5       |
| 70°-80°   | 8.4    | 0.8       |
| 80°-90°   | 1.9    | 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°    | 836.8  | 79.6      |
| 0°-40°    | 946.0  | 90.0      |
| 0°-60°    | 1024.5 | 97.5      |
| 0°-90°    | 1051.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1051.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2623 | 2623  | 2623 | 2623  | 2623 |      |
| 5°  | 2439 | 2444  | 2441 | 2444  | 2443 | 218  |
| 15° | 1378 | 1386  | 1385 | 1388  | 1378 | 380  |
| 25° | 503  | 509   | 506  | 506   | 503  | 239  |
| 35° | 167  | 167   | 168  | 168   | 167  | 109  |
| 45° | 64   | 64    | 64   | 64    | 64   | 51   |
| 55° | 29   | 29    | 29   | 31    | 31   | 27   |
| 65° | 16   | 16    | 16   | 16    | 16   | 16   |
| 75° | 7    | 7     | 7    | 9     | 9    | 8    |
| 85° | 1    | 1     | 1    | 1     | 1    | 2    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2623.0 | 2623.0 | 2623.0 | 2623.0 | 2623.0 |
| 1°    | 2612.0 | 2614.4 | 2616.9 | 2620.6 | 2619.3 |
| 2°    | 2587.4 | 2592.3 | 2593.6 | 2598.5 | 2597.2 |
| 3°    | 2554.3 | 2553.1 | 2562.9 | 2562.9 | 2556.8 |
| 4°    | 2502.8 | 2505.2 | 2507.7 | 2510.1 | 2511.4 |
| 5°    | 2439.0 | 2443.9 | 2441.4 | 2443.9 | 2442.7 |
| 6°    | 2360.5 | 2367.8 | 2366.6 | 2369.1 | 2372.7 |
| 7°    | 2277.0 | 2281.9 | 2281.9 | 2279.5 | 2289.3 |
| 8°    | 2186.2 | 2182.6 | 2188.7 | 2186.2 | 2185.0 |
| 9°    | 2078.3 | 2085.6 | 2086.9 | 2080.7 | 2083.2 |
| 10°   | 1966.6 | 1971.6 | 1972.8 | 1976.5 | 1972.8 |
| 11°   | 1856.2 | 1856.2 | 1858.7 | 1864.8 | 1855.0 |
| 12°   | 1736.0 | 1747.0 | 1736.0 | 1740.9 | 1736.0 |
| 13°   | 1621.9 | 1624.4 | 1621.9 | 1620.7 | 1612.1 |
| 14°   | 1513.9 | 1505.3 | 1507.8 | 1498.0 | 1499.2 |
| 15°   | 1377.8 | 1386.3 | 1385.1 | 1387.6 | 1377.8 |
| 17.5° | 1107.8 | 1112.8 | 1111.5 | 1109.1 | 1096.8 |
| 20°   | 877.2  | 877.2  | 868.6  | 863.7  | 856.3  |
| 22.5° | 669.9  | 667.4  | 663.7  | 660.0  | 662.5  |
| 25°   | 503.0  | 509.1  | 505.5  | 505.5  | 503.0  |
| 27.5° | 380.3  | 387.7  | 381.6  | 377.9  | 380.3  |
| 30°   | 289.5  | 292.0  | 289.5  | 288.3  | 288.3  |
| 32.5° | 218.4  | 219.6  | 218.4  | 218.4  | 218.4  |
| 35°   | 166.9  | 166.9  | 168.1  | 168.1  | 166.9  |
| 37.5° | 128.8  | 128.8  | 128.8  | 128.8  | 130.0  |
| 40°   | 99.4   | 100.6  | 100.6  | 100.6  | 100.6  |
| 42.5° | 78.5   | 79.7   | 79.7   | 79.7   | 79.7   |
| 45°   | 63.8   | 63.8   | 63.8   | 63.8   | 63.8   |
| 47.5° | 51.5   | 51.5   | 51.5   | 51.5   | 52.8   |
| 50°   | 41.7   | 42.9   | 42.9   | 42.9   | 42.9   |
| 52.5° | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   |
| 55°   | 29.4   | 29.4   | 29.4   | 30.7   | 30.7   |
| 57.5° | 24.5   | 24.5   | 25.8   | 25.8   | 25.8   |
| 60°   | 20.9   | 22.1   | 22.1   | 22.1   | 22.1   |
| 62.5° | 18.4   | 18.4   | 19.6   | 19.6   | 19.6   |
| 65°   | 15.9   | 15.9   | 15.9   | 15.9   | 15.9   |
| 67.5° | 13.5   | 13.5   | 13.5   | 13.5   | 14.7   |
| 70°   | 11.0   | 11.0   | 11.0   | 12.3   | 12.3   |
| 72.5° | 9.8    | 9.8    | 9.8    | 9.8    | 9.8    |
| 75°   | 7.4    | 7.4    | 7.4    | 8.6    | 8.6    |
| 77.5° | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    |
| 80°   | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 82.5° | 2.5    | 2.5    | 3.7    | 3.7    | 3.7    |
| 85°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 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)