

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: P1311778

Luminaire Tested: P3SQAS24R309050D010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R309050D010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

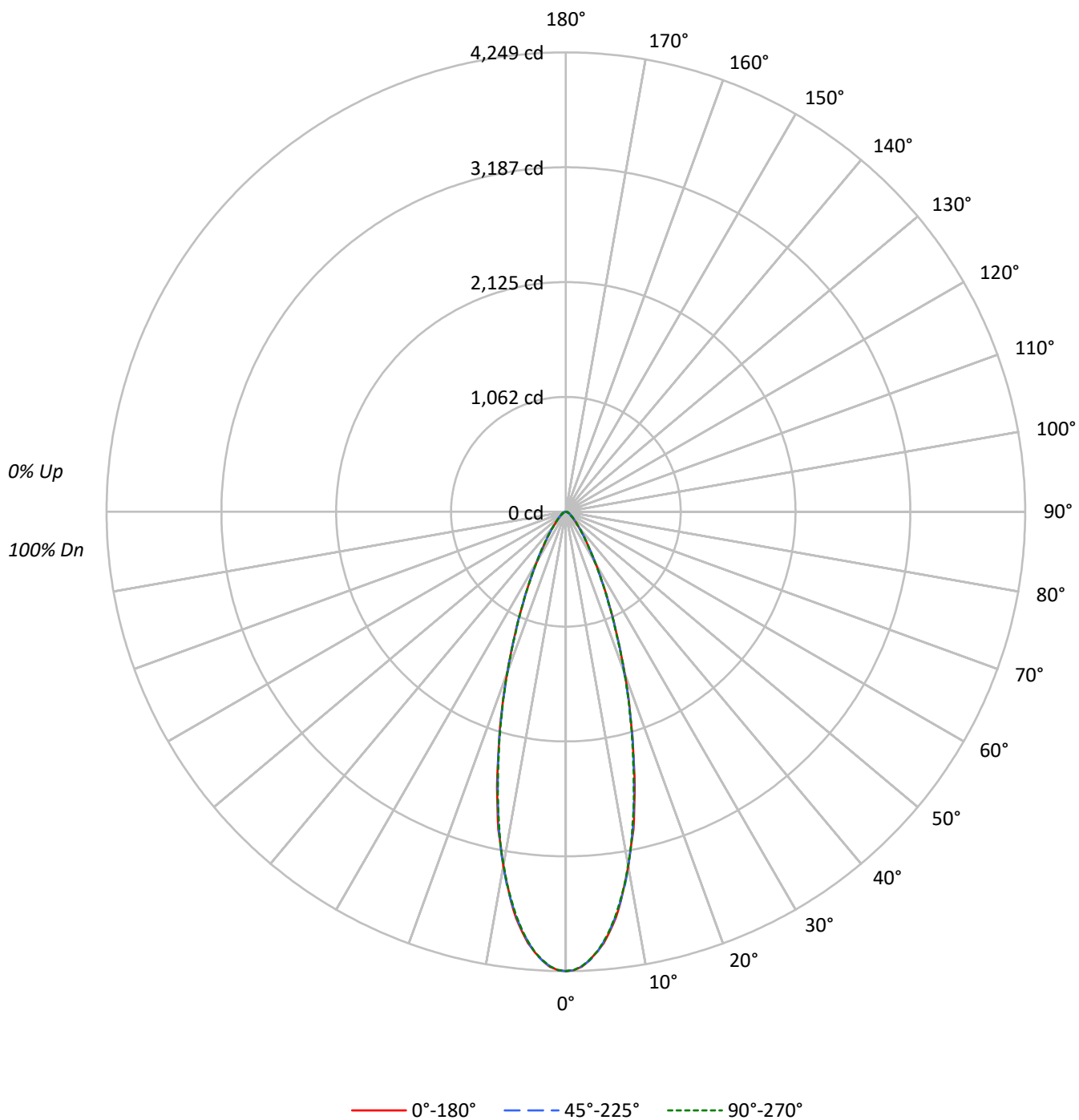
Lumens per Lamp: N/A  
Luminaire Lumens: 1866.0 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 |  | 101 | 100 | 98  |  | 98  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  |  | 96  | 93  | 91  |  | 93  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  |  | 82  | 79  | 76  |  | 81  |
| 6   | 90  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  |  | 75  | 71  | 68  |  | 74  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  |  | 72  | 68  | 65  |  | 71  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  |  | 69  | 65  | 62  |  | 68  |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  |  | 66  | 62  | 59  |  | 66  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 731757 | 731757 | 731757 |
| 5°  | 692784 | 691003 | 690640 |
| 10° | 582016 | 582016 | 579848 |
| 15° | 433639 | 432533 | 429948 |
| 20° | 290217 | 288714 | 289080 |
| 25° | 178891 | 178511 | 179290 |
| 30° | 107566 | 107566 | 107984 |
| 35° | 65975  | 65975  | 66416  |
| 40° | 41772  | 41772  | 42693  |
| 45° | 28667  | 29154  | 29154  |
| 50° | 21033  | 21033  | 21033  |
| 55° | 16124  | 16725  | 16725  |
| 60° | 13502  | 13502  | 14226  |
| 65° | 11777  | 11777  | 11777  |
| 70° | 10373  | 11430  | 11430  |
| 75° | 9649   | 9649   | 9649   |
| 80° | 8232   | 8232   | 8232   |
| 85° | 4150   | 4150   | 4150   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 29154 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 360.2  | 19.3      |
| 10°-20°   | 665.1  | 35.6      |
| 20°-30°   | 442.1  | 23.7      |
| 30°-40°   | 204.4  | 11.0      |
| 40°-50°   | 94.9   | 5.1       |
| 50°-60°   | 50.7   | 2.7       |
| 60°-70°   | 29.6   | 1.6       |
| 70°-80°   | 15.7   | 0.8       |
| 80°-90°   | 3.4    | 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°    | 1467.4 | 78.6      |
| 0°-40°    | 1671.8 | 89.6      |
| 0°-60°    | 1817.4 | 97.4      |
| 0°-90°    | 1866.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1866.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 4249 | 4249  | 4249 | 4249  | 4249 |      |
| 5°  | 4007 | 3999  | 3997 | 4007  | 3995 | 360  |
| 15° | 2432 | 2440  | 2426 | 2426  | 2411 | 667  |
| 25° | 941  | 939   | 939  | 939   | 944  | 443  |
| 35° | 314  | 312   | 314  | 316   | 316  | 203  |
| 45° | 118  | 118   | 120  | 120   | 120  | 94   |
| 55° | 54   | 56    | 56   | 56    | 56   | 50   |
| 65° | 29   | 29    | 29   | 29    | 29   | 29   |
| 75° | 14   | 14    | 14   | 14    | 14   | 15   |
| 85° | 2    | 2     | 2    | 2     | 2    | 3    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 4248.9 | 4248.9 | 4248.9 | 4248.9 | 4248.9 |
| 1°    | 4240.6 | 4236.5 | 4240.6 | 4246.8 | 4238.6 |
| 2°    | 4211.7 | 4207.6 | 4207.6 | 4215.9 | 4207.6 |
| 3°    | 4156.0 | 4160.1 | 4158.0 | 4166.3 | 4151.9 |
| 4°    | 4085.8 | 4083.7 | 4092.0 | 4096.1 | 4083.7 |
| 5°    | 4007.3 | 3999.1 | 3997.0 | 4007.3 | 3994.9 |
| 6°    | 3900.0 | 3893.8 | 3889.7 | 3902.0 | 3885.5 |
| 7°    | 3784.4 | 3780.2 | 3774.0 | 3778.2 | 3765.8 |
| 8°    | 3641.9 | 3639.8 | 3635.7 | 3639.8 | 3625.4 |
| 9°    | 3482.9 | 3482.9 | 3491.2 | 3489.1 | 3480.9 |
| 10°   | 3328.1 | 3332.2 | 3328.1 | 3332.2 | 3315.7 |
| 11°   | 3154.7 | 3154.7 | 3158.8 | 3156.7 | 3158.8 |
| 12°   | 3004.0 | 2987.4 | 2983.3 | 2979.2 | 2966.8 |
| 13°   | 2809.9 | 2797.5 | 2793.4 | 2797.5 | 2791.3 |
| 14°   | 2632.3 | 2624.1 | 2603.4 | 2607.6 | 2599.3 |
| 15°   | 2432.1 | 2440.3 | 2425.9 | 2425.9 | 2411.4 |
| 17.5° | 1988.2 | 1979.9 | 1984.1 | 1986.1 | 1979.9 |
| 20°   | 1583.5 | 1579.4 | 1575.3 | 1571.1 | 1577.3 |
| 22.5° | 1230.5 | 1232.5 | 1228.4 | 1224.3 | 1220.2 |
| 25°   | 941.4  | 939.4  | 939.4  | 939.4  | 943.5  |
| 27.5° | 714.3  | 714.3  | 714.3  | 716.4  | 716.4  |
| 30°   | 540.9  | 536.8  | 540.9  | 543.0  | 543.0  |
| 32.5° | 404.7  | 408.8  | 410.8  | 410.8  | 410.8  |
| 35°   | 313.8  | 311.8  | 313.8  | 315.9  | 315.9  |
| 37.5° | 239.5  | 239.5  | 241.6  | 241.6  | 243.6  |
| 40°   | 185.8  | 185.8  | 185.8  | 187.9  | 189.9  |
| 42.5° | 146.6  | 146.6  | 148.6  | 148.6  | 150.7  |
| 45°   | 117.7  | 117.7  | 119.7  | 119.7  | 119.7  |
| 47.5° | 95.0   | 95.0   | 97.0   | 97.0   | 97.0   |
| 50°   | 78.5   | 78.5   | 78.5   | 78.5   | 78.5   |
| 52.5° | 66.1   | 64.0   | 66.1   | 66.1   | 66.1   |
| 55°   | 53.7   | 55.7   | 55.7   | 55.7   | 55.7   |
| 57.5° | 45.4   | 47.5   | 47.5   | 47.5   | 47.5   |
| 60°   | 39.2   | 39.2   | 39.2   | 41.3   | 41.3   |
| 62.5° | 33.0   | 35.1   | 35.1   | 35.1   | 35.1   |
| 65°   | 28.9   | 28.9   | 28.9   | 28.9   | 28.9   |
| 67.5° | 24.8   | 24.8   | 24.8   | 24.8   | 26.8   |
| 70°   | 20.6   | 20.6   | 22.7   | 22.7   | 22.7   |
| 72.5° | 18.6   | 18.6   | 18.6   | 18.6   | 18.6   |
| 75°   | 14.5   | 14.5   | 14.5   | 14.5   | 14.5   |
| 77.5° | 10.3   | 10.3   | 12.4   | 12.4   | 10.3   |
| 80°   | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    |
| 82.5° | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    |
| 85°   | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 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)