

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: P1317126

Luminaire Tested: P3SQAS13R309830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317126  
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: P3SQAS13R309830DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

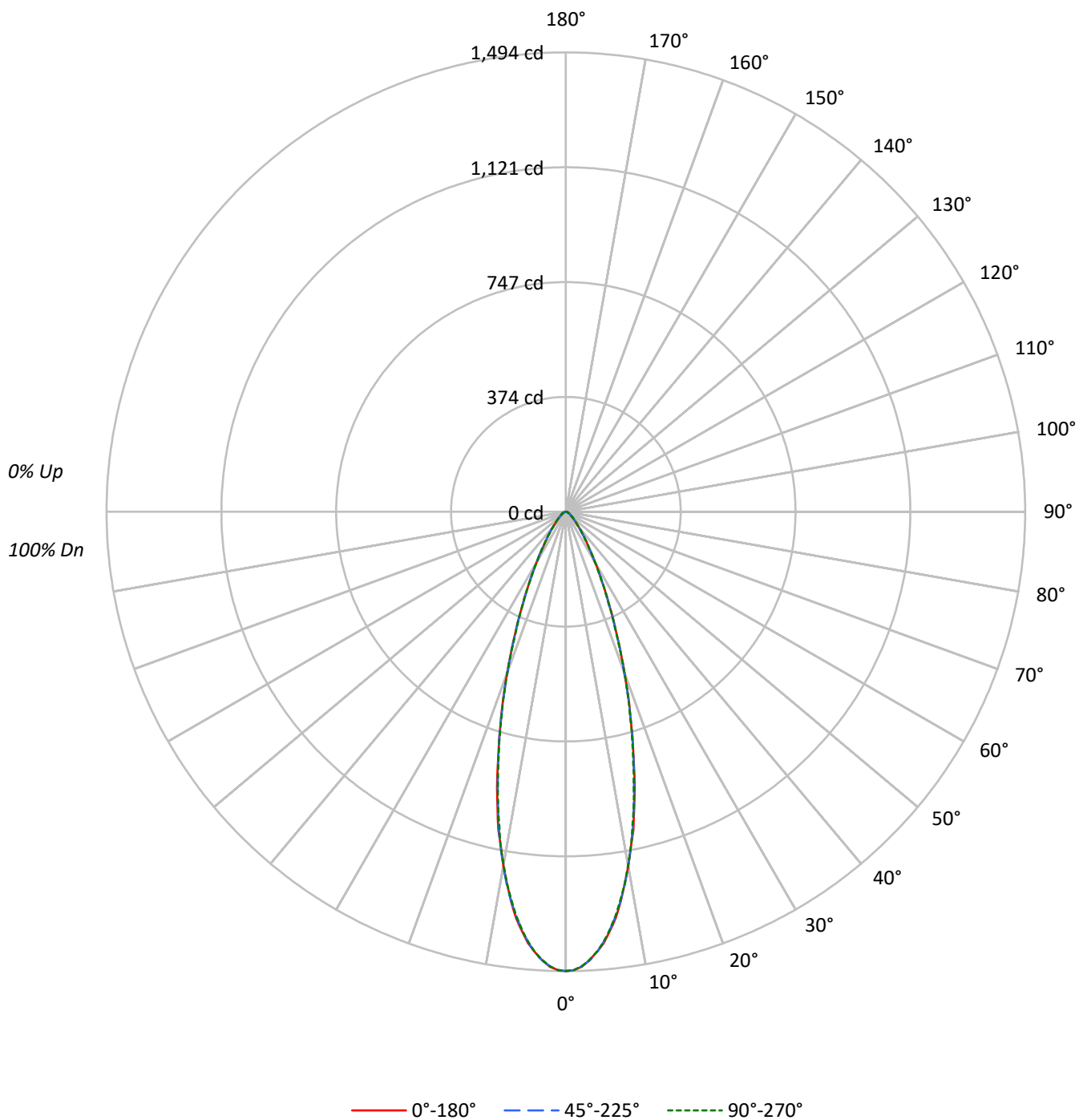
Lumens per Lamp: N/A  
Luminaire Lumens: 656.0 lumens  
Efficiency: N/A  
Efficacy: 45.2 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 109 | 106 | 111 | 109 | 107 | 105 | 105 | 103 | 101 | 101 | 100 | 98  | 98  | 97  | 96  | 96  | 96  | 94  |
| 2   | 108 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 99  | 96  | 93  | 96  | 93  | 91  | 93  | 91  | 90  | 90  | 90  | 88  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  | 91  | 88  | 85  | 89  | 86  | 84  | 84  | 84  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 84  | 81  | 87  | 83  | 80  | 85  | 82  | 79  | 79  | 79  | 78  |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  | 82  | 79  | 76  | 81  | 78  | 75  | 75  | 75  | 74  |
| 6   | 90  | 82  | 77  | 73  | 89  | 82  | 76  | 73  | 80  | 76  | 72  | 79  | 75  | 72  | 77  | 74  | 71  | 71  | 71  | 70  |
| 7   | 87  | 78  | 73  | 69  | 86  | 78  | 72  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 74  | 71  | 68  | 68  | 68  | 66  |
| 8   | 83  | 75  | 69  | 66  | 82  | 74  | 69  | 65  | 73  | 68  | 65  | 72  | 68  | 65  | 71  | 67  | 65  | 65  | 65  | 63  |
| 9   | 80  | 71  | 66  | 62  | 79  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 68  | 65  | 62  | 62  | 62  | 61  |
| 10  | 77  | 68  | 63  | 60  | 76  | 68  | 63  | 60  | 67  | 63  | 59  | 66  | 62  | 59  | 66  | 62  | 59  | 59  | 59  | 58  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 257249 | 257249 | 257249 |
| 5°  | 243554 | 242932 | 242793 |
| 10° | 204609 | 204609 | 203839 |
| 15° | 152445 | 152053 | 151143 |
| 20° | 102029 | 101498 | 101626 |
| 25° | 62899  | 62747  | 63032  |
| 30° | 37824  | 37824  | 37963  |
| 35° | 23190  | 23190  | 23337  |
| 40° | 14681  | 14681  | 15018  |
| 45° | 10083  | 10254  | 10254  |
| 50° | 7395   | 7395   | 7395   |
| 55° | 5675   | 5885   | 5885   |
| 60° | 4753   | 4753   | 4994   |
| 65° | 4157   | 4157   | 4157   |
| 70° | 3676   | 4028   | 4028   |
| 75° | 3394   | 3394   | 3394   |
| 80° | 2876   | 2876   | 2876   |
| 85° | 1383   | 1383   | 1383   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10254 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 126.6  | 19.3      |
| 10°-20°   | 233.8  | 35.6      |
| 20°-30°   | 155.4  | 23.7      |
| 30°-40°   | 71.8   | 11.0      |
| 40°-50°   | 33.4   | 5.1       |
| 50°-60°   | 17.8   | 2.7       |
| 60°-70°   | 10.4   | 1.6       |
| 70°-80°   | 5.5    | 0.8       |
| 80°-90°   | 1.2    | 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°    | 515.9  | 78.6      |
| 0°-40°    | 587.7  | 89.6      |
| 0°-60°    | 638.9  | 97.4      |
| 0°-90°    | 656.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 656.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1494 | 1494  | 1494 | 1494  | 1494 |      |
| 5°  | 1409 | 1406  | 1405 | 1409  | 1404 | 127  |
| 15° | 855  | 858   | 853  | 853   | 848  | 235  |
| 25° | 331  | 330   | 330  | 330   | 332  | 156  |
| 35° | 110  | 110   | 110  | 111   | 111  | 71   |
| 45° | 41   | 41    | 42   | 42    | 42   | 33   |
| 55° | 19   | 20    | 20   | 20    | 20   | 18   |
| 65° | 10   | 10    | 10   | 10    | 10   | 10   |
| 75° | 5    | 5     | 5    | 5     | 5    | 5    |
| 85° | 1    | 1     | 1    | 1     | 1    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1493.7 | 1493.7 | 1493.7 | 1493.7 | 1493.7 |
| 1°    | 1490.8 | 1489.4 | 1490.8 | 1493.0 | 1490.1 |
| 2°    | 1480.6 | 1479.2 | 1479.2 | 1482.1 | 1479.2 |
| 3°    | 1461.1 | 1462.5 | 1461.8 | 1464.7 | 1459.6 |
| 4°    | 1436.4 | 1435.6 | 1438.6 | 1440.0 | 1435.6 |
| 5°    | 1408.8 | 1405.9 | 1405.2 | 1408.8 | 1404.4 |
| 6°    | 1371.1 | 1368.9 | 1367.4 | 1371.8 | 1366.0 |
| 7°    | 1330.4 | 1329.0 | 1326.8 | 1328.2 | 1323.9 |
| 8°    | 1280.3 | 1279.6 | 1278.1 | 1279.6 | 1274.5 |
| 9°    | 1224.4 | 1224.4 | 1227.3 | 1226.6 | 1223.7 |
| 10°   | 1170.0 | 1171.5 | 1170.0 | 1171.5 | 1165.6 |
| 11°   | 1109.0 | 1109.0 | 1110.5 | 1109.8 | 1110.5 |
| 12°   | 1056.1 | 1050.2 | 1048.8 | 1047.3 | 1043.0 |
| 13°   | 987.8  | 983.5  | 982.0  | 983.5  | 981.3  |
| 14°   | 925.4  | 922.5  | 915.2  | 916.7  | 913.8  |
| 15°   | 855.0  | 857.9  | 852.8  | 852.8  | 847.7  |
| 17.5° | 699.0  | 696.1  | 697.5  | 698.2  | 696.1  |
| 20°   | 556.7  | 555.2  | 553.8  | 552.3  | 554.5  |
| 22.5° | 432.6  | 433.3  | 431.9  | 430.4  | 429.0  |
| 25°   | 331.0  | 330.2  | 330.2  | 330.2  | 331.7  |
| 27.5° | 251.1  | 251.1  | 251.1  | 251.9  | 251.9  |
| 30°   | 190.2  | 188.7  | 190.2  | 190.9  | 190.9  |
| 32.5° | 142.3  | 143.7  | 144.4  | 144.4  | 144.4  |
| 35°   | 110.3  | 109.6  | 110.3  | 111.0  | 111.0  |
| 37.5° | 84.2   | 84.2   | 84.9   | 84.9   | 85.6   |
| 40°   | 65.3   | 65.3   | 65.3   | 66.0   | 66.8   |
| 42.5° | 51.5   | 51.5   | 52.3   | 52.3   | 53.0   |
| 45°   | 41.4   | 41.4   | 42.1   | 42.1   | 42.1   |
| 47.5° | 33.4   | 33.4   | 34.1   | 34.1   | 34.1   |
| 50°   | 27.6   | 27.6   | 27.6   | 27.6   | 27.6   |
| 52.5° | 23.2   | 22.5   | 23.2   | 23.2   | 23.2   |
| 55°   | 18.9   | 19.6   | 19.6   | 19.6   | 19.6   |
| 57.5° | 16.0   | 16.7   | 16.7   | 16.7   | 16.7   |
| 60°   | 13.8   | 13.8   | 13.8   | 14.5   | 14.5   |
| 62.5° | 11.6   | 12.3   | 12.3   | 12.3   | 12.3   |
| 65°   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   |
| 67.5° | 8.7    | 8.7    | 8.7    | 8.7    | 9.4    |
| 70°   | 7.3    | 7.3    | 8.0    | 8.0    | 8.0    |
| 72.5° | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    |
| 75°   | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    |
| 77.5° | 3.6    | 3.6    | 4.4    | 4.4    | 3.6    |
| 80°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 82.5° | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    |
| 85°   | 0.7    | 0.7    | 0.7    | 0.7    | 0.7    |
| 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)