

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: P1317141

Luminaire Tested: P3SQAS13R359830DE010 E3SQPHL1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1317141  
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: P3SQAS13R359830DE010 E3SQPHL1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQPHL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

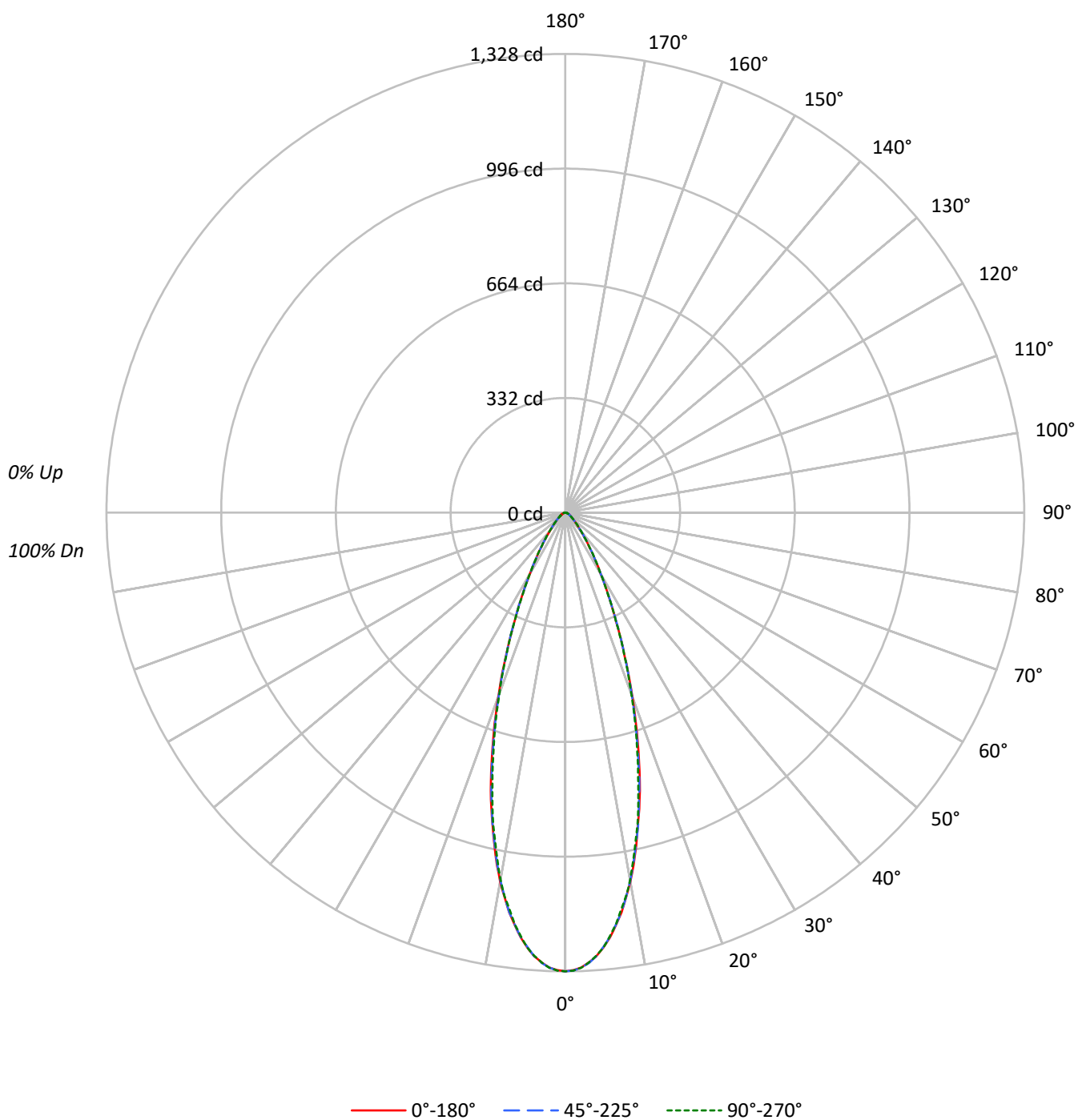
Lumens per Lamp: N/A  
Luminaire Lumens: 655.0 lumens  
Efficiency: N/A  
Efficacy: 45.2 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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  |
| 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  | 97  | 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°  | 228729 | 228729 | 228729 |
| 5°  | 218573 | 218192 | 218573 |
| 10° | 189744 | 189115 | 188852 |
| 15° | 148683 | 147524 | 145188 |
| 20° | 104009 | 103092 | 102414 |
| 25° | 66053  | 66471  | 66053  |
| 30° | 40708  | 40986  | 40708  |
| 35° | 25187  | 25335  | 25335  |
| 40° | 15985  | 16165  | 16165  |
| 45° | 10790  | 10960  | 11131  |
| 50° | 7770   | 7984   | 7984   |
| 55° | 6095   | 6095   | 6095   |
| 60° | 4994   | 4994   | 4994   |
| 65° | 4442   | 4442   | 4442   |
| 70° | 4028   | 4028   | 4028   |
| 75° | 3394   | 3394   | 3394   |
| 80° | 2876   | 2876   | 2876   |
| 85° | 1383   | 1383   | 2964   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 11131 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 114.8  | 17.5      |
| 10°-20°   | 226.0  | 34.5      |
| 20°-30°   | 163.1  | 24.9      |
| 30°-40°   | 78.6   | 12.0      |
| 40°-50°   | 36.2   | 5.5       |
| 50°-60°   | 18.7   | 2.9       |
| 60°-70°   | 10.8   | 1.7       |
| 70°-80°   | 5.5    | 0.8       |
| 80°-90°   | 1.3    | 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°    | 503.8  | 76.9      |
| 0°-40°    | 582.4  | 88.9      |
| 0°-60°    | 637.4  | 97.3      |
| 0°-90°    | 655.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 655.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1328 | 1328  | 1328 | 1328  | 1328 |      |
| 5°  | 1264 | 1267  | 1262 | 1263  | 1264 | 115  |
| 15° | 834  | 832   | 827  | 824   | 814  | 227  |
| 25° | 348  | 348   | 350  | 350   | 348  | 163  |
| 35° | 120  | 120   | 120  | 120   | 120  | 78   |
| 45° | 44   | 45    | 45   | 46    | 46   | 36   |
| 55° | 20   | 20    | 20   | 20    | 20   | 18   |
| 65° | 11   | 11    | 11   | 11    | 11   | 11   |
| 75° | 5    | 5     | 5    | 5     | 5    | 5    |
| 85° | 1    | 1     | 1    | 1     | 2    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1328.1 | 1328.1 | 1328.1 | 1328.1 | 1328.1 |
| 1°    | 1324.5 | 1326.7 | 1326.0 | 1326.7 | 1326.0 |
| 2°    | 1318.0 | 1319.4 | 1318.0 | 1318.7 | 1318.7 |
| 3°    | 1304.2 | 1305.6 | 1305.6 | 1304.9 | 1304.2 |
| 4°    | 1287.5 | 1291.1 | 1287.5 | 1288.2 | 1286.0 |
| 5°    | 1264.3 | 1267.2 | 1262.1 | 1262.8 | 1264.3 |
| 6°    | 1236.0 | 1236.7 | 1235.2 | 1234.5 | 1233.1 |
| 7°    | 1203.3 | 1206.2 | 1201.1 | 1201.9 | 1200.4 |
| 8°    | 1168.5 | 1167.7 | 1167.7 | 1164.8 | 1160.5 |
| 9°    | 1126.4 | 1129.3 | 1124.9 | 1123.5 | 1124.2 |
| 10°   | 1085.0 | 1085.0 | 1081.4 | 1077.8 | 1079.9 |
| 11°   | 1037.8 | 1036.4 | 1034.2 | 1029.1 | 1027.7 |
| 12°   | 986.3  | 989.2  | 982.7  | 980.5  | 975.4  |
| 13°   | 933.3  | 937.7  | 934.8  | 926.8  | 927.5  |
| 14°   | 884.0  | 881.1  | 878.9  | 877.4  | 872.4  |
| 15°   | 833.9  | 832.4  | 827.4  | 823.7  | 814.3  |
| 17.5° | 696.7  | 698.2  | 688.7  | 687.3  | 683.7  |
| 20°   | 567.5  | 563.2  | 562.5  | 563.2  | 558.8  |
| 22.5° | 447.8  | 452.1  | 447.1  | 447.8  | 444.9  |
| 25°   | 347.6  | 348.4  | 349.8  | 349.8  | 347.6  |
| 27.5° | 270.0  | 270.0  | 268.5  | 270.0  | 267.8  |
| 30°   | 204.7  | 204.7  | 206.1  | 207.6  | 204.7  |
| 32.5° | 158.2  | 158.2  | 158.2  | 158.9  | 159.7  |
| 35°   | 119.8  | 119.8  | 120.5  | 120.5  | 120.5  |
| 37.5° | 92.2   | 92.9   | 93.6   | 93.6   | 93.6   |
| 40°   | 71.1   | 71.9   | 71.9   | 72.6   | 71.9   |
| 42.5° | 56.6   | 56.6   | 56.6   | 57.3   | 57.3   |
| 45°   | 44.3   | 45.0   | 45.0   | 45.7   | 45.7   |
| 47.5° | 36.3   | 36.3   | 36.3   | 37.0   | 37.0   |
| 50°   | 29.0   | 29.8   | 29.8   | 29.8   | 29.8   |
| 52.5° | 24.0   | 24.0   | 24.7   | 24.7   | 24.7   |
| 55°   | 20.3   | 20.3   | 20.3   | 20.3   | 20.3   |
| 57.5° | 16.7   | 17.4   | 17.4   | 17.4   | 17.4   |
| 60°   | 14.5   | 14.5   | 14.5   | 14.5   | 14.5   |
| 62.5° | 12.3   | 12.3   | 12.3   | 12.3   | 12.3   |
| 65°   | 10.9   | 10.9   | 10.9   | 10.9   | 10.9   |
| 67.5° | 8.7    | 9.4    | 9.4    | 9.4    | 9.4    |
| 70°   | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    |
| 72.5° | 5.8    | 6.5    | 6.5    | 6.5    | 6.5    |
| 75°   | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    |
| 77.5° | 4.4    | 3.6    | 3.6    | 3.6    | 4.4    |
| 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    | 1.5    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.7    | 0.7    |



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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)