

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: P1313267

Luminaire Tested: P3SQAS09R359730DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313267  
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: P3SQAS09R359730DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

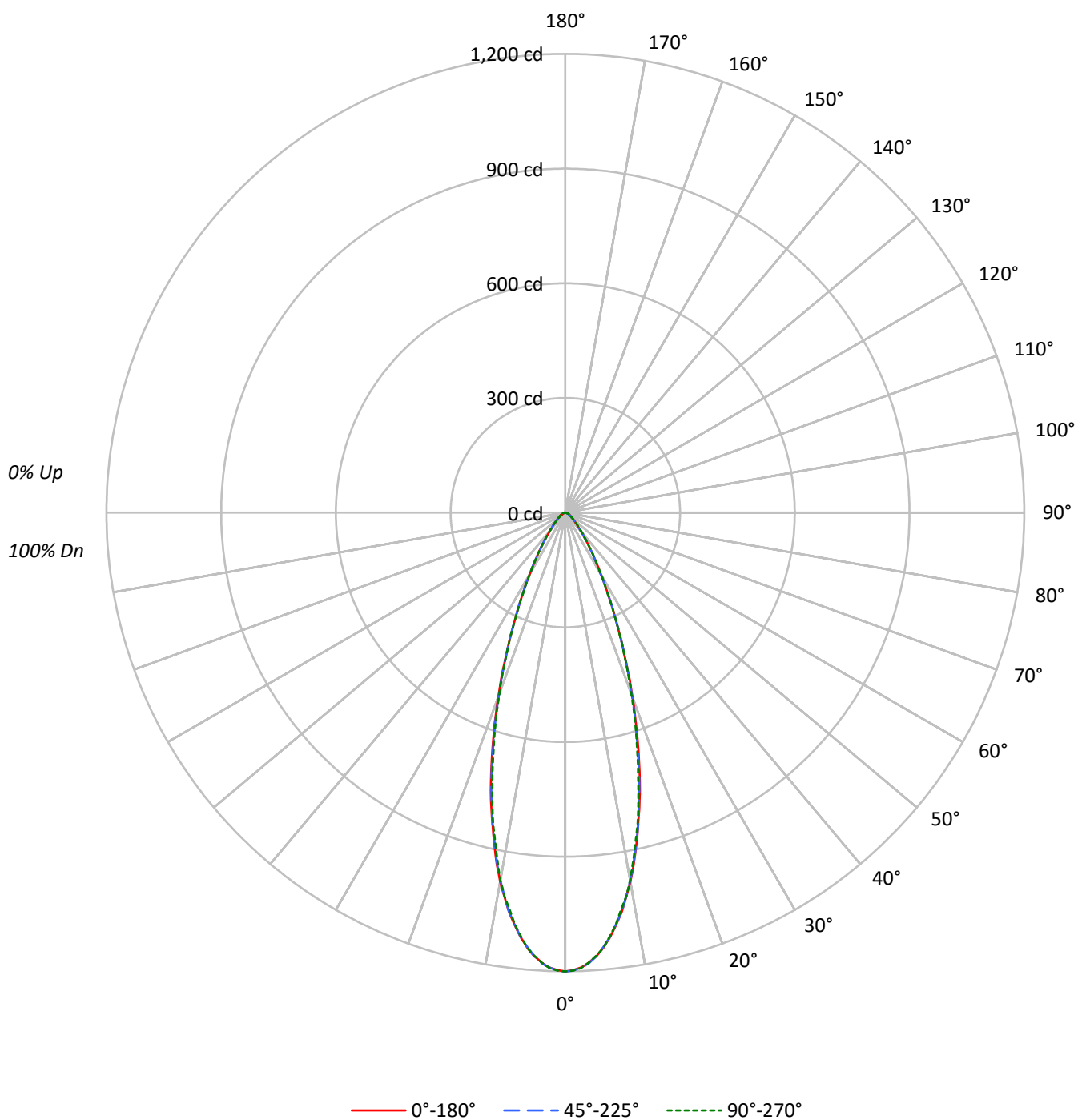
Lumens per Lamp: N/A  
Luminaire Lumens: 592.0 lumens  
Efficiency: N/A  
Efficacy: 53.3 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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°  | 206736 | 206736 | 206736 |
| 5°  | 197551 | 197205 | 197551 |
| 10° | 171487 | 170927 | 170700 |
| 15° | 134383 | 133331 | 131227 |
| 20° | 94020  | 93177  | 92572  |
| 25° | 59706  | 60086  | 59706  |
| 30° | 36790  | 37049  | 36790  |
| 35° | 22749  | 22896  | 22896  |
| 40° | 14456  | 14591  | 14591  |
| 45° | 9742   | 9913   | 10059  |
| 50° | 7020   | 7207   | 7207   |
| 55° | 5525   | 5525   | 5525   |
| 60° | 4512   | 4512   | 4512   |
| 65° | 3994   | 3994   | 3994   |
| 70° | 3626   | 3626   | 3626   |
| 75° | 3061   | 3061   | 3061   |
| 80° | 2579   | 2579   | 2579   |
| 85° | 1383   | 1383   | 2569   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10059 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 103.7  | 17.5      |
| 10°-20°   | 204.3  | 34.5      |
| 20°-30°   | 147.4  | 24.9      |
| 30°-40°   | 71.0   | 12.0      |
| 40°-50°   | 32.8   | 5.5       |
| 50°-60°   | 16.9   | 2.9       |
| 60°-70°   | 9.8    | 1.7       |
| 70°-80°   | 4.9    | 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°    | 455.4  | 76.9      |
| 0°-40°    | 526.4  | 88.9      |
| 0°-60°    | 576.1  | 97.3      |
| 0°-90°    | 592.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 592.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1200 | 1200  | 1200 | 1200  | 1200 |      |
| 5°  | 1143 | 1145  | 1141 | 1141  | 1143 | 104  |
| 15° | 754  | 752   | 748  | 744   | 736  | 206  |
| 25° | 314  | 315   | 316  | 316   | 314  | 147  |
| 35° | 108  | 108   | 109  | 109   | 109  | 71   |
| 45° | 40   | 41    | 41   | 41    | 41   | 32   |
| 55° | 18   | 18    | 18   | 18    | 18   | 17   |
| 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°    | 1200.4 | 1200.4 | 1200.4 | 1200.4 | 1200.4 |
| 1°    | 1197.1 | 1199.1 | 1198.4 | 1199.1 | 1198.4 |
| 2°    | 1191.2 | 1192.5 | 1191.2 | 1191.9 | 1191.9 |
| 3°    | 1178.7 | 1180.1 | 1180.1 | 1179.4 | 1178.7 |
| 4°    | 1163.7 | 1166.9 | 1163.7 | 1164.3 | 1162.3 |
| 5°    | 1142.7 | 1145.3 | 1140.7 | 1141.4 | 1142.7 |
| 6°    | 1117.1 | 1117.7 | 1116.4 | 1115.8 | 1114.5 |
| 7°    | 1087.6 | 1090.2 | 1085.6 | 1086.3 | 1084.9 |
| 8°    | 1056.1 | 1055.4 | 1055.4 | 1052.8 | 1048.9 |
| 9°    | 1018.0 | 1020.7 | 1016.7 | 1015.4 | 1016.1 |
| 10°   | 980.6  | 980.6  | 977.4  | 974.1  | 976.1  |
| 11°   | 938.0  | 936.7  | 934.7  | 930.1  | 928.8  |
| 12°   | 891.4  | 894.1  | 888.2  | 886.2  | 881.6  |
| 13°   | 843.6  | 847.5  | 844.9  | 837.7  | 838.3  |
| 14°   | 799.0  | 796.3  | 794.4  | 793.0  | 788.5  |
| 15°   | 753.7  | 752.4  | 747.8  | 744.5  | 736.0  |
| 17.5° | 629.7  | 631.0  | 622.5  | 621.2  | 617.9  |
| 20°   | 513.0  | 509.0  | 508.4  | 509.0  | 505.1  |
| 22.5° | 404.7  | 408.7  | 404.1  | 404.7  | 402.1  |
| 25°   | 314.2  | 314.9  | 316.2  | 316.2  | 314.2  |
| 27.5° | 244.0  | 244.0  | 242.7  | 244.0  | 242.0  |
| 30°   | 185.0  | 185.0  | 186.3  | 187.6  | 185.0  |
| 32.5° | 143.0  | 143.0  | 143.0  | 143.7  | 144.3  |
| 35°   | 108.2  | 108.2  | 108.9  | 108.9  | 108.9  |
| 37.5° | 83.3   | 84.0   | 84.6   | 84.6   | 84.6   |
| 40°   | 64.3   | 64.9   | 64.9   | 65.6   | 64.9   |
| 42.5° | 51.2   | 51.2   | 51.2   | 51.8   | 51.8   |
| 45°   | 40.0   | 40.7   | 40.7   | 41.3   | 41.3   |
| 47.5° | 32.8   | 32.8   | 32.8   | 33.5   | 33.5   |
| 50°   | 26.2   | 26.9   | 26.9   | 26.9   | 26.9   |
| 52.5° | 21.6   | 21.6   | 22.3   | 22.3   | 22.3   |
| 55°   | 18.4   | 18.4   | 18.4   | 18.4   | 18.4   |
| 57.5° | 15.1   | 15.7   | 15.7   | 15.7   | 15.7   |
| 60°   | 13.1   | 13.1   | 13.1   | 13.1   | 13.1   |
| 62.5° | 11.2   | 11.2   | 11.2   | 11.2   | 11.2   |
| 65°   | 9.8    | 9.8    | 9.8    | 9.8    | 9.8    |
| 67.5° | 7.9    | 8.5    | 8.5    | 8.5    | 8.5    |
| 70°   | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    |
| 72.5° | 5.2    | 5.9    | 5.9    | 5.9    | 5.9    |
| 75°   | 4.6    | 4.6    | 4.6    | 4.6    | 4.6    |
| 77.5° | 3.9    | 3.3    | 3.3    | 3.3    | 3.9    |
| 80°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 82.5° | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 85°   | 0.7    | 0.7    | 0.7    | 0.7    | 1.3    |
| 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)