

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: P1305775

Luminaire Tested: P3SQASS09R359024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305775  
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: P3SQASS09R359024DE010 E3SQPHL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

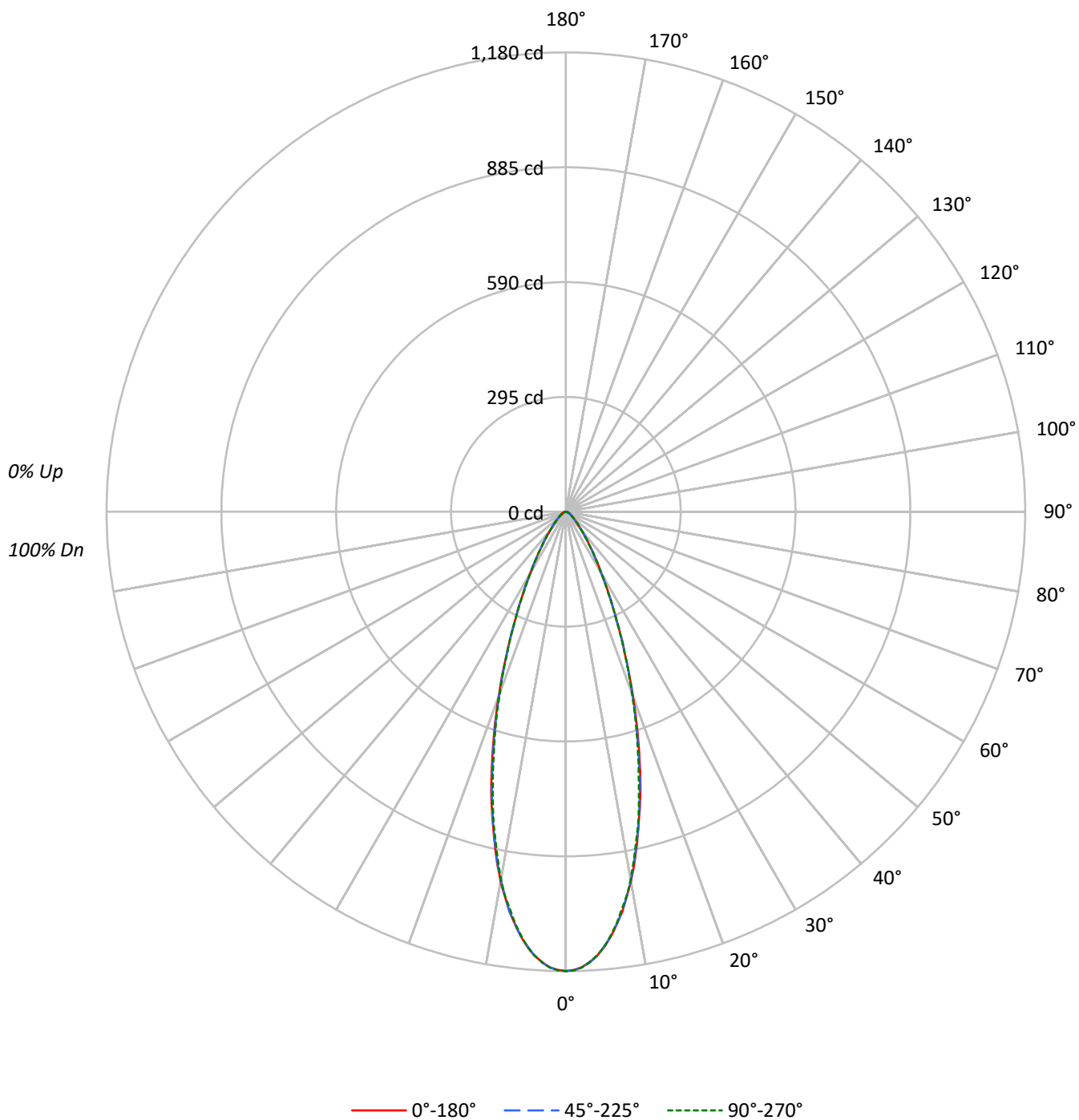
Lumens per Lamp: N/A  
Luminaire Lumens: 582.0 lumens  
Efficiency: N/A  
Efficacy: 52.4 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  |    |    |
| 2   | 108 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 93  | 95  | 93  | 91  | 93  | 91  | 89  | 87  |    |    |
| 3   | 103 | 97  | 92  | 88  | 101 | 95  | 91  | 87  | 93  | 89  | 86  | 90  | 87  | 85  | 88  | 86  | 83  | 82  |    |    |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 84  | 81  | 78  | 77  |    |    |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 73  |    |    |
| 6   | 90  | 81  | 76  | 72  | 88  | 81  | 75  | 71  | 79  | 74  | 71  | 78  | 74  | 70  | 76  | 73  | 70  | 69  |    |    |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 67  | 75  | 71  | 67  | 74  | 70  | 67  | 73  | 69  | 66  | 65  |    |    |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 70  | 66  | 63  | 62  |    |    |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 59  |    |    |
| 10  | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 56  |    |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 203240 | 203240 | 203240 |
| 5°  | 194214 | 193868 | 194214 |
| 10° | 168601 | 168042 | 167814 |
| 15° | 132119 | 131085 | 128999 |
| 20° | 92426  | 91601  | 91015  |
| 25° | 58699  | 59060  | 58699  |
| 30° | 36174  | 36412  | 36174  |
| 35° | 22370  | 22496  | 22496  |
| 40° | 14209  | 14344  | 14344  |
| 45° | 9572   | 9742   | 9889   |
| 50° | 6913   | 7073   | 7073   |
| 55° | 5435   | 5435   | 5435   |
| 60° | 4443   | 4443   | 4443   |
| 65° | 3953   | 3953   | 3953   |
| 70° | 3575   | 3575   | 3575   |
| 75° | 2994   | 2994   | 2994   |
| 80° | 2579   | 2579   | 2579   |
| 85° | 1186   | 1186   | 2569   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 9889 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.0  | 17.5      |
| 10°-20°   | 200.8  | 34.5      |
| 20°-30°   | 144.9  | 24.9      |
| 30°-40°   | 69.8   | 12.0      |
| 40°-50°   | 32.2   | 5.5       |
| 50°-60°   | 16.7   | 2.9       |
| 60°-70°   | 9.6    | 1.7       |
| 70°-80°   | 4.9    | 0.8       |
| 80°-90°   | 1.1    | 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°    | 447.7  | 76.9      |
| 0°-40°    | 517.5  | 88.9      |
| 0°-60°    | 566.4  | 97.3      |
| 0°-90°    | 582.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 582.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1180 | 1180  | 1180 | 1180  | 1180 |      |
| 5°  | 1123 | 1126  | 1121 | 1122  | 1123 | 102  |
| 15° | 741  | 740   | 735  | 732   | 724  | 202  |
| 25° | 309  | 310   | 311  | 311   | 309  | 145  |
| 35° | 106  | 106   | 107  | 107   | 107  | 69   |
| 45° | 39   | 40    | 40   | 41    | 41   | 32   |
| 55° | 18   | 18    | 18   | 18    | 18   | 16   |
| 65° | 10   | 10    | 10   | 10    | 10   | 9    |
| 75° | 4    | 4     | 4    | 4     | 4    | 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°    | 1180.1 | 1180.1 | 1180.1 | 1180.1 | 1180.1 |
| 1°    | 1176.9 | 1178.8 | 1178.2 | 1178.8 | 1178.2 |
| 2°    | 1171.1 | 1172.4 | 1171.1 | 1171.7 | 1171.7 |
| 3°    | 1158.8 | 1160.1 | 1160.1 | 1159.5 | 1158.8 |
| 4°    | 1144.0 | 1147.2 | 1144.0 | 1144.6 | 1142.7 |
| 5°    | 1123.4 | 1125.9 | 1121.4 | 1122.1 | 1123.4 |
| 6°    | 1098.2 | 1098.9 | 1097.6 | 1096.9 | 1095.6 |
| 7°    | 1069.2 | 1071.8 | 1067.3 | 1067.9 | 1066.6 |
| 8°    | 1038.2 | 1037.6 | 1037.6 | 1035.0 | 1031.2 |
| 9°    | 1000.8 | 1003.4 | 999.6  | 998.3  | 998.9  |
| 10°   | 964.1  | 964.1  | 960.9  | 957.6  | 959.6  |
| 11°   | 922.2  | 920.9  | 918.9  | 914.4  | 913.1  |
| 12°   | 876.4  | 879.0  | 873.2  | 871.2  | 866.7  |
| 13°   | 829.3  | 833.2  | 830.6  | 823.5  | 824.1  |
| 14°   | 785.5  | 782.9  | 780.9  | 779.7  | 775.1  |
| 15°   | 741.0  | 739.7  | 735.2  | 731.9  | 723.5  |
| 17.5° | 619.1  | 620.4  | 612.0  | 610.7  | 607.5  |
| 20°   | 504.3  | 500.4  | 499.8  | 500.4  | 496.6  |
| 22.5° | 397.9  | 401.8  | 397.2  | 397.9  | 395.3  |
| 25°   | 308.9  | 309.5  | 310.8  | 310.8  | 308.9  |
| 27.5° | 239.9  | 239.9  | 238.6  | 239.9  | 238.0  |
| 30°   | 181.9  | 181.9  | 183.1  | 184.4  | 181.9  |
| 32.5° | 140.6  | 140.6  | 140.6  | 141.2  | 141.9  |
| 35°   | 106.4  | 106.4  | 107.0  | 107.0  | 107.0  |
| 37.5° | 81.9   | 82.5   | 83.2   | 83.2   | 83.2   |
| 40°   | 63.2   | 63.8   | 63.8   | 64.5   | 63.8   |
| 42.5° | 50.3   | 50.3   | 50.3   | 50.9   | 50.9   |
| 45°   | 39.3   | 40.0   | 40.0   | 40.6   | 40.6   |
| 47.5° | 32.2   | 32.2   | 32.2   | 32.9   | 32.9   |
| 50°   | 25.8   | 26.4   | 26.4   | 26.4   | 26.4   |
| 52.5° | 21.3   | 21.3   | 21.9   | 21.9   | 21.9   |
| 55°   | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   |
| 57.5° | 14.8   | 15.5   | 15.5   | 15.5   | 15.5   |
| 60°   | 12.9   | 12.9   | 12.9   | 12.9   | 12.9   |
| 62.5° | 11.0   | 11.0   | 11.0   | 11.0   | 11.0   |
| 65°   | 9.7    | 9.7    | 9.7    | 9.7    | 9.7    |
| 67.5° | 7.7    | 8.4    | 8.4    | 8.4    | 8.4    |
| 70°   | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    |
| 72.5° | 5.2    | 5.8    | 5.8    | 5.8    | 5.8    |
| 75°   | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 77.5° | 3.9    | 3.2    | 3.2    | 3.2    | 3.9    |
| 80°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 82.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 85°   | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    |



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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)