

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: P1316962

Luminaire Tested: P3SQAS09R259830DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316962  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS09R259830DE010 E3SQPHL1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

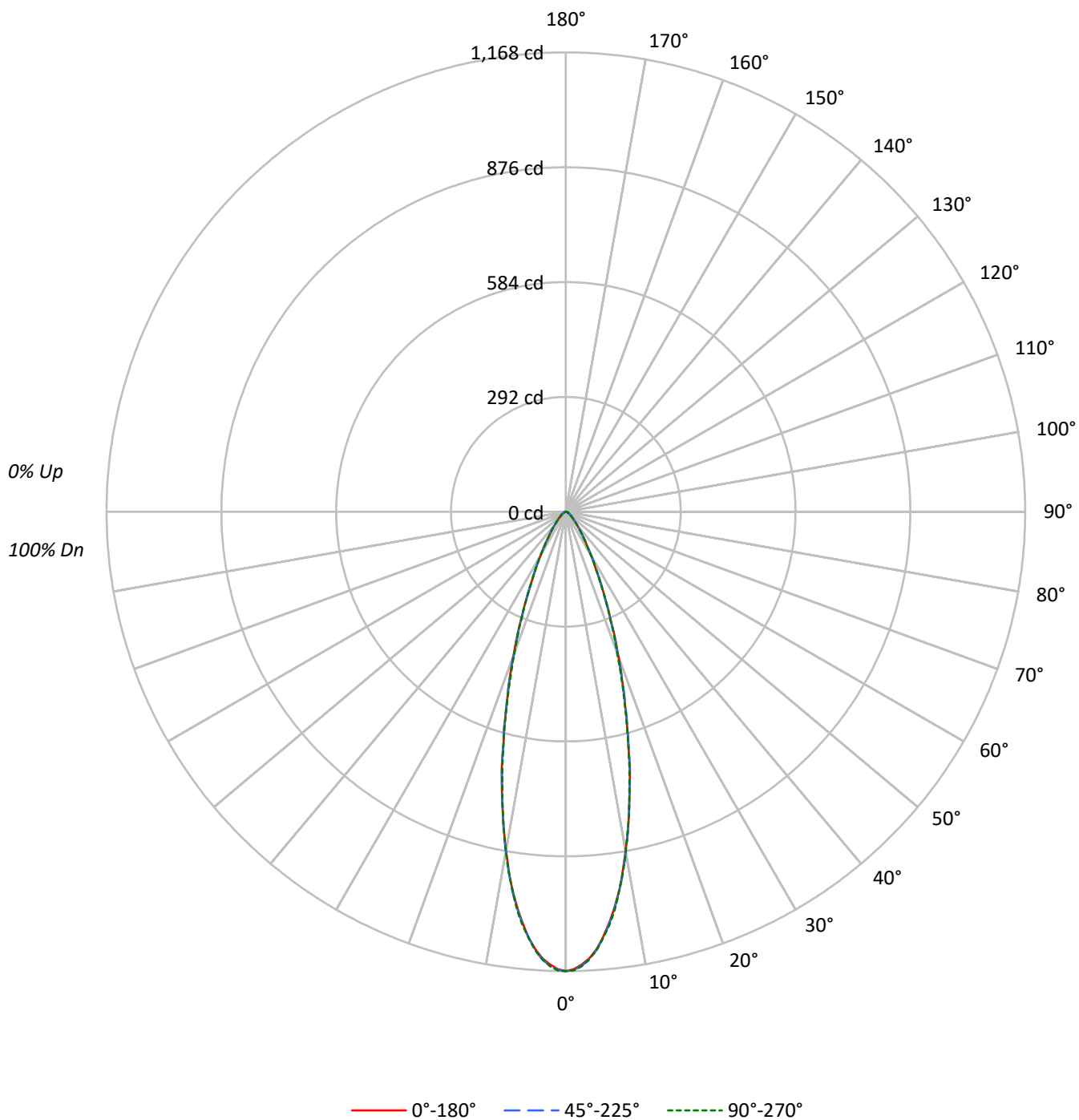
Lumens per Lamp: N/A  
Luminaire Lumens: 468.0 lumens  
Efficiency: N/A  
Efficacy: 42.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
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 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 93  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  |  | 87  | 84  | 81  |  | 85  |
| 5   | 95  | 87  | 82  | 78  | 93  | 86  | 81  | 78  | 85  | 80  | 77  |  | 83  | 79  | 76  |  | 82  |
| 6   | 91  | 83  | 78  | 74  | 90  | 82  | 77  | 73  | 81  | 76  | 73  |  | 79  | 76  | 73  |  | 78  |
| 7   | 87  | 79  | 74  | 70  | 86  | 78  | 73  | 70  | 77  | 73  | 69  |  | 76  | 72  | 69  |  | 75  |
| 8   | 84  | 76  | 70  | 67  | 83  | 75  | 70  | 66  | 74  | 69  | 66  |  | 73  | 69  | 66  |  | 72  |
| 9   | 81  | 72  | 67  | 64  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 66  | 63  |  | 69  |
| 10  | 78  | 69  | 64  | 61  | 77  | 69  | 64  | 61  | 68  | 64  | 61  |  | 67  | 63  | 60  |  | 67  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 201156 | 201156 | 201156 |
| 5°  | 187766 | 187938 | 188042 |
| 10° | 153142 | 153632 | 153632 |
| 15° | 109386 | 109974 | 109386 |
| 20° | 71587  | 70891  | 69883  |
| 25° | 42566  | 42775  | 42566  |
| 30° | 25634  | 25634  | 25534  |
| 35° | 15621  | 15726  | 15621  |
| 40° | 9960   | 10072  | 10072  |
| 45° | 6917   | 6917   | 6917   |
| 50° | 4984   | 5117   | 5117   |
| 55° | 3933   | 3933   | 4114   |
| 60° | 3203   | 3376   | 3376   |
| 65° | 2893   | 2893   | 2893   |
| 70° | 2467   | 2467   | 2769   |
| 75° | 2196   | 2196   | 2529   |
| 80° | 2182   | 2182   | 2182   |
| 85° | 988    | 988    | 988    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6917 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 97.1   | 20.7      |
| 10°-20°   | 169.2  | 36.2      |
| 20°-30°   | 106.4  | 22.7      |
| 30°-40°   | 48.7   | 10.4      |
| 40°-50°   | 22.7   | 4.9       |
| 50°-60°   | 12.2   | 2.6       |
| 60°-70°   | 7.2    | 1.5       |
| 70°-80°   | 3.8    | 0.8       |
| 80°-90°   | 0.8    | 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°    | 372.6  | 79.6      |
| 0°-40°    | 421.3  | 90.0      |
| 0°-60°    | 456.2  | 97.5      |
| 0°-90°    | 468.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 468.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1168 | 1168  | 1168 | 1168  | 1168 |      |
| 5°  | 1086 | 1088  | 1087 | 1088  | 1088 | 97   |
| 15° | 614  | 617   | 617  | 618   | 614  | 169  |
| 25° | 224  | 227   | 225  | 225   | 224  | 107  |
| 35° | 74   | 74    | 75   | 75    | 74   | 49   |
| 45° | 28   | 28    | 28   | 28    | 28   | 23   |
| 55° | 13   | 13    | 13   | 14    | 14   | 12   |
| 65° | 7    | 7     | 7    | 7     | 7    | 7    |
| 75° | 3    | 3     | 3    | 4     | 4    | 4    |
| 85° | 0    | 0     | 0    | 0     | 0    | 1    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1168.0 | 1168.0 | 1168.0 | 1168.0 | 1168.0 |
| 1°    | 1163.1 | 1164.2 | 1165.3 | 1166.9 | 1166.4 |
| 2°    | 1152.2 | 1154.3 | 1154.9 | 1157.1 | 1156.5 |
| 3°    | 1137.4 | 1136.9 | 1141.2 | 1141.2 | 1138.5 |
| 4°    | 1114.5 | 1115.6 | 1116.6 | 1117.7 | 1118.3 |
| 5°    | 1086.1 | 1088.2 | 1087.1 | 1088.2 | 1087.7 |
| 6°    | 1051.1 | 1054.4 | 1053.8 | 1054.9 | 1056.6 |
| 7°    | 1013.9 | 1016.1 | 1016.1 | 1015.0 | 1019.4 |
| 8°    | 973.5  | 971.9  | 974.6  | 973.5  | 973.0  |
| 9°    | 925.4  | 928.7  | 929.3  | 926.5  | 927.6  |
| 10°   | 875.7  | 877.9  | 878.5  | 880.1  | 878.5  |
| 11°   | 826.6  | 826.6  | 827.7  | 830.4  | 826.0  |
| 12°   | 773.0  | 777.9  | 773.0  | 775.2  | 773.0  |
| 13°   | 722.2  | 723.3  | 722.2  | 721.7  | 717.8  |
| 14°   | 674.1  | 670.3  | 671.4  | 667.0  | 667.6  |
| 15°   | 613.5  | 617.3  | 616.8  | 617.9  | 613.5  |
| 17.5° | 493.3  | 495.5  | 495.0  | 493.9  | 488.4  |
| 20°   | 390.6  | 390.6  | 386.8  | 384.6  | 381.3  |
| 22.5° | 298.3  | 297.2  | 295.6  | 293.9  | 295.0  |
| 25°   | 224.0  | 226.7  | 225.1  | 225.1  | 224.0  |
| 27.5° | 169.4  | 172.6  | 169.9  | 168.3  | 169.4  |
| 30°   | 128.9  | 130.0  | 128.9  | 128.4  | 128.4  |
| 32.5° | 97.2   | 97.8   | 97.2   | 97.2   | 97.2   |
| 35°   | 74.3   | 74.3   | 74.8   | 74.8   | 74.3   |
| 37.5° | 57.4   | 57.4   | 57.4   | 57.4   | 57.9   |
| 40°   | 44.3   | 44.8   | 44.8   | 44.8   | 44.8   |
| 42.5° | 35.0   | 35.5   | 35.5   | 35.5   | 35.5   |
| 45°   | 28.4   | 28.4   | 28.4   | 28.4   | 28.4   |
| 47.5° | 22.9   | 22.9   | 22.9   | 22.9   | 23.5   |
| 50°   | 18.6   | 19.1   | 19.1   | 19.1   | 19.1   |
| 52.5° | 15.8   | 15.8   | 15.8   | 15.8   | 15.8   |
| 55°   | 13.1   | 13.1   | 13.1   | 13.7   | 13.7   |
| 57.5° | 10.9   | 10.9   | 11.5   | 11.5   | 11.5   |
| 60°   | 9.3    | 9.8    | 9.8    | 9.8    | 9.8    |
| 62.5° | 8.2    | 8.2    | 8.7    | 8.7    | 8.7    |
| 65°   | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    |
| 67.5° | 6.0    | 6.0    | 6.0    | 6.0    | 6.6    |
| 70°   | 4.9    | 4.9    | 4.9    | 5.5    | 5.5    |
| 72.5° | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    |
| 75°   | 3.3    | 3.3    | 3.3    | 3.8    | 3.8    |
| 77.5° | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 80°   | 2.2    | 2.2    | 2.2    | 2.2    | 2.2    |
| 82.5° | 1.1    | 1.1    | 1.6    | 1.6    | 1.6    |
| 85°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    |
| 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)