

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: P1310384

Luminaire Tested: P3SQAS17R259040DE010 E3SQCD1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R259040DE010 E3SQCD1MB  
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

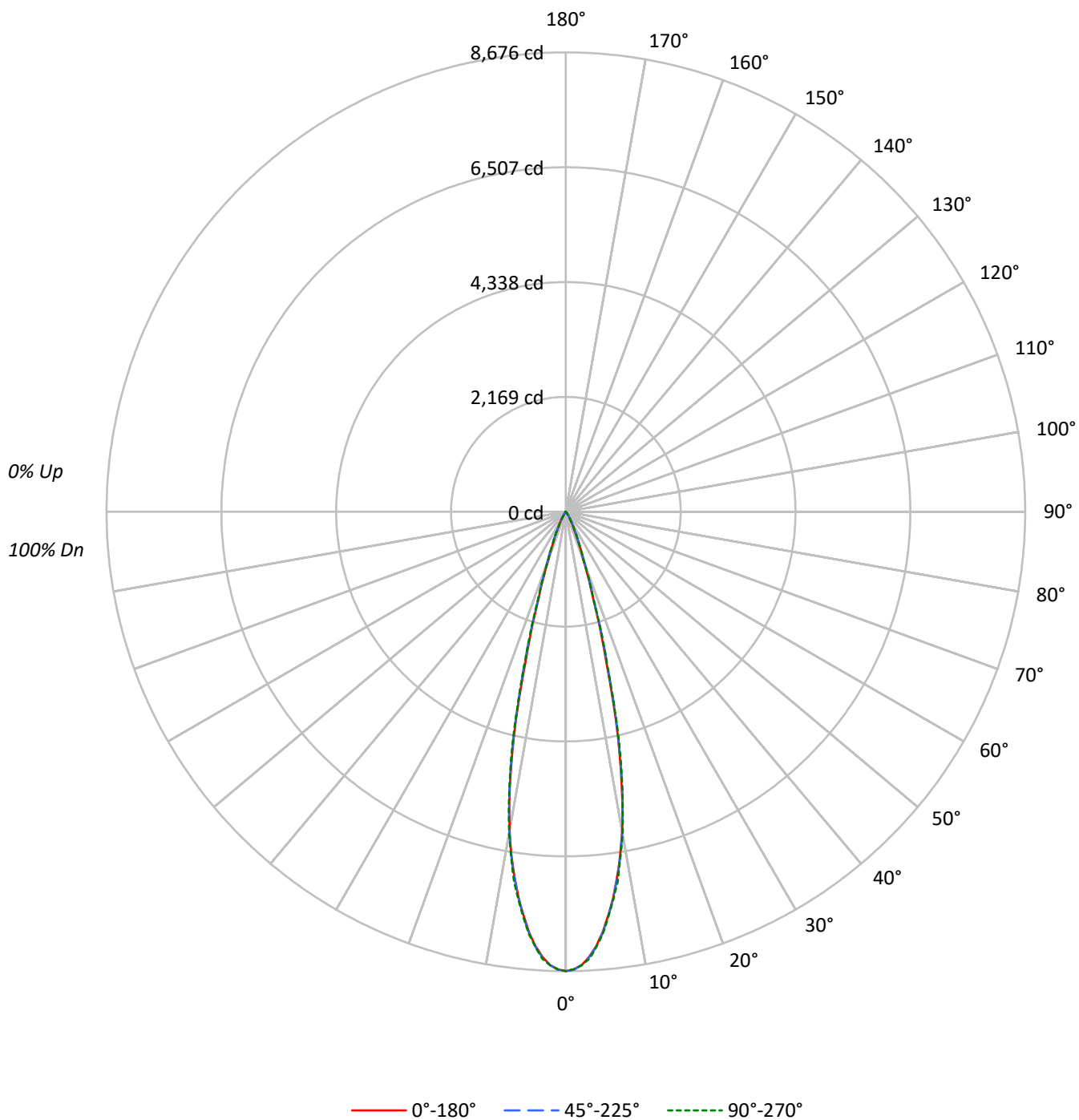
Lumens per Lamp: N/A  
Luminaire Lumens: 1806.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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   | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 |  | 101 | 99  | 98  |  | 98  |
| 3   | 108 | 104 | 101 | 98  | 107 | 103 | 100 | 97  | 100 | 98  | 96  |  | 98  | 96  | 94  |  | 96  |
| 4   | 105 | 100 | 97  | 94  | 104 | 99  | 96  | 93  | 97  | 95  | 92  |  | 96  | 93  | 91  |  | 94  |
| 5   | 103 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 92  | 89  |  | 93  | 91  | 89  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 87  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 85  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 85  | 82  | 87  | 84  | 82  |  | 87  | 84  | 82  |  | 86  |
| 9   | 93  | 86  | 83  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 80  |  | 85  | 82  | 80  |  | 84  |
| 10  | 91  | 84  | 81  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1494255 | 1494255 | 1494255 |
| 5°  | 1377806 | 1380918 | 1383787 |
| 10° | 1069773 | 1073655 | 1079461 |
| 15° | 528671  | 550905  | 551155  |
| 20° | 178015  | 189947  | 181571  |
| 25° | 73730   | 81882   | 75821   |
| 30° | 28935   | 36373   | 29213   |
| 35° | 7569    | 14864   | 7863    |
| 40° | 2810    | 5913    | 2810    |
| 45° | 341     | 1681    | 341     |
| 50° | 0       | 375     | 0       |
| 55° | 0       | 0       | 0       |
| 60° | 0       | 0       | 0       |
| 65° | 0       | 0       | 0       |
| 70° | 0       | 0       | 0       |
| 75° | 0       | 0       | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1681 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 703.0  | 38.9      |
| 10°-20°   | 850.4  | 47.1      |
| 20°-30°   | 207.6  | 11.5      |
| 30°-40°   | 40.4   | 2.2       |
| 40°-50°   | 4.6    | 0.3       |
| 50°-60°   | 0.0    | 0.0       |
| 60°-70°   | 0.0    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 1761.0 | 97.5      |
| 0°-40°    | 1801.4 | 99.7      |
| 0°-60°    | 1806.0 | 100.0     |
| 0°-90°    | 1806.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1806.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 8676 | 8676  | 8676 | 8676  | 8676 |      |
| 5°  | 7970 | 7981  | 7988 | 8022  | 8004 | 701  |
| 15° | 2965 | 3036  | 3090 | 3120  | 3091 | 835  |
| 25° | 388  | 409   | 431  | 413   | 399  | 197  |
| 35° | 36   | 51    | 71   | 51    | 37   | 32   |
| 45° | 1    | 4     | 7    | 4     | 1    | 2    |
| 55° | 0    | 0     | 0    | 0     | 0    | 0    |
| 65° | 0    | 0     | 0    | 0     | 0    | 0    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 8676.3 | 8676.3 | 8676.3 | 8676.3 | 8676.3 |
| 1°    | 8643.1 | 8648.6 | 8650.0 | 8658.3 | 8641.7 |
| 2°    | 8564.1 | 8565.5 | 8569.6 | 8586.3 | 8571.0 |
| 3°    | 8418.6 | 8428.3 | 8429.7 | 8451.9 | 8456.0 |
| 4°    | 8220.5 | 8226.0 | 8237.1 | 8274.5 | 8241.3 |
| 5°    | 7969.7 | 7980.8 | 7987.7 | 8022.3 | 8004.3 |
| 6°    | 7659.3 | 7662.1 | 7677.3 | 7717.5 | 7692.6 |
| 7°    | 7343.4 | 7342.0 | 7343.4 | 7375.3 | 7368.4 |
| 8°    | 6962.4 | 6955.5 | 6977.6 | 7016.4 | 7042.8 |
| 9°    | 6564.7 | 6574.4 | 6588.3 | 6625.7 | 6595.2 |
| 10°   | 6117.2 | 6143.5 | 6139.4 | 6142.1 | 6172.6 |
| 11°   | 5601.8 | 5610.1 | 5611.5 | 5640.6 | 5636.4 |
| 12°   | 4996.3 | 4996.3 | 5042.0 | 5089.1 | 5073.9 |
| 13°   | 4385.3 | 4428.2 | 4397.7 | 4407.4 | 4468.4 |
| 14°   | 3673.1 | 3706.3 | 3747.9 | 3786.7 | 3756.2 |
| 15°   | 2965.1 | 3035.7 | 3089.8 | 3120.3 | 3091.2 |
| 17.5° | 1698.7 | 1722.2 | 1768.0 | 1773.5 | 1755.5 |
| 20°   | 971.3  | 1000.4 | 1036.4 | 1025.3 | 990.7  |
| 22.5° | 611.0  | 619.3  | 655.4  | 637.4  | 629.0  |
| 25°   | 388.0  | 408.7  | 430.9  | 412.9  | 399.0  |
| 27.5° | 241.1  | 254.9  | 278.5  | 259.1  | 243.9  |
| 30°   | 145.5  | 158.0  | 182.9  | 156.6  | 146.9  |
| 32.5° | 76.2   | 94.2   | 115.0  | 95.6   | 76.2   |
| 35°   | 36.0   | 51.3   | 70.7   | 51.3   | 37.4   |
| 37.5° | 22.2   | 27.7   | 43.0   | 27.7   | 22.2   |
| 40°   | 12.5   | 18.0   | 26.3   | 18.0   | 12.5   |
| 42.5° | 5.5    | 9.7    | 12.5   | 9.7    | 6.9    |
| 45°   | 1.4    | 4.2    | 6.9    | 4.2    | 1.4    |
| 47.5° | 0.0    | 0.0    | 4.2    | 1.4    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.4    | 0.0    | 0.0    |
| 52.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 55°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 57.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 60°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 62.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 65°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 70°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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)