

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: P1318124

Luminaire Tested: P3SQAS17R259835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318124  
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: P3SQAS17R259835DE010 E3SQCD1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

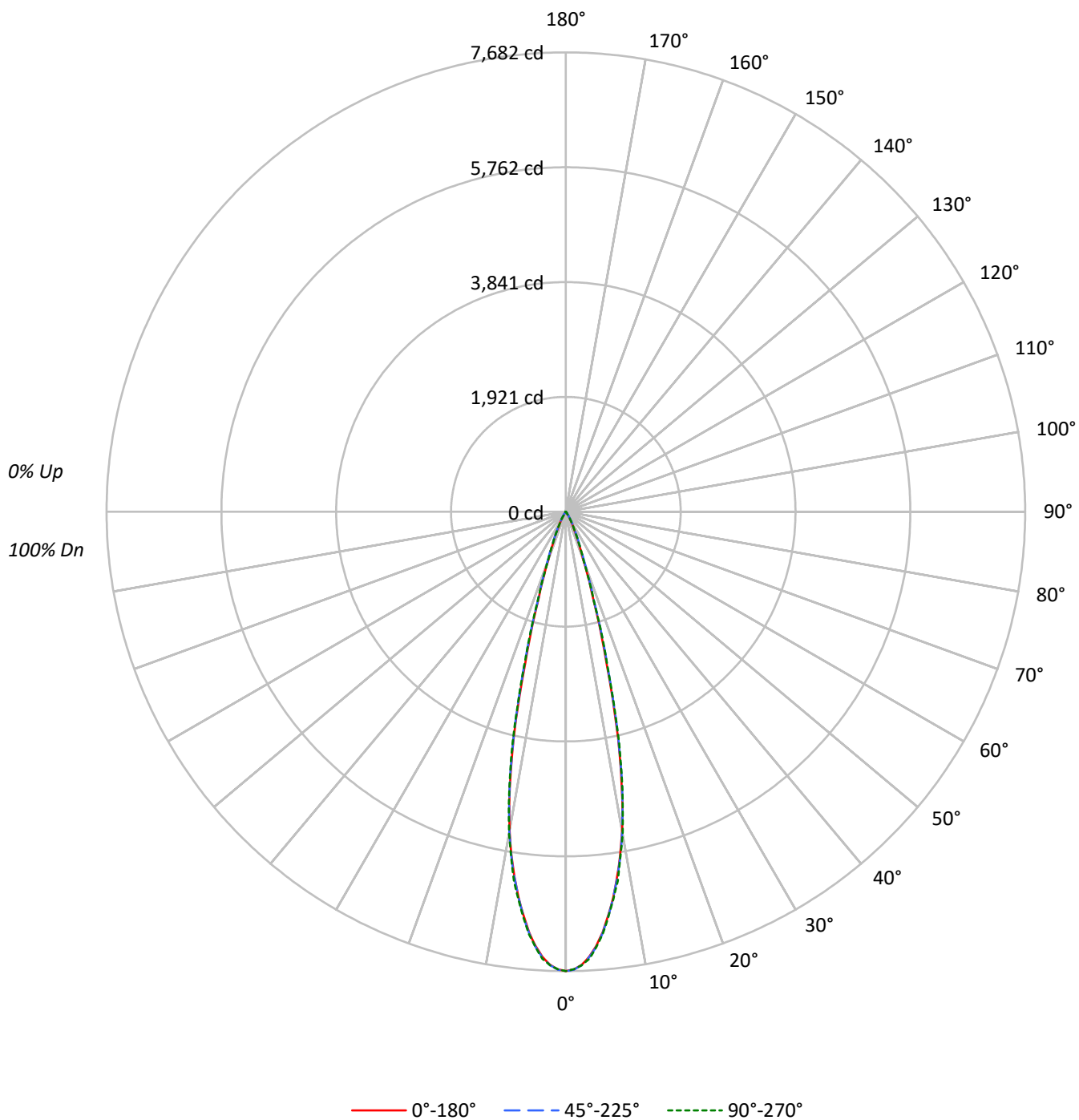
Lumens per Lamp: N/A  
Luminaire Lumens: 1599.0 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
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°  | 1322997 | 1322997 | 1322997 |
| 5°  | 1219879 | 1222645 | 1225187 |
| 10° | 947165  | 950592  | 955734  |
| 15° | 468068  | 487752  | 487984  |
| 20° | 157599  | 168174  | 160751  |
| 25° | 65274   | 72495   | 67136   |
| 30° | 25614   | 32196   | 25853   |
| 35° | 6707    | 13161   | 6959    |
| 40° | 2473    | 5238    | 2473    |
| 45° | 292     | 1486    | 292     |
| 50° | 0       | 322     | 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: 1486 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 622.5  | 38.9      |
| 10°-20°   | 752.9  | 47.1      |
| 20°-30°   | 183.8  | 11.5      |
| 30°-40°   | 35.7   | 2.2       |
| 40°-50°   | 4.0    | 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       |
| <hr/>     |        |           |
| 0°-30°    | 1559.2 | 97.5      |
| 0°-40°    | 1594.9 | 99.7      |
| 0°-60°    | 1599.0 | 100.0     |
| 0°-90°    | 1599.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1599.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 7682 | 7682  | 7682 | 7682  | 7682 |      |
| 5°  | 7056 | 7066  | 7072 | 7103  | 7087 | 621  |
| 15° | 2625 | 2688  | 2736 | 2763  | 2737 | 739  |
| 25° | 344  | 362   | 382  | 366   | 353  | 175  |
| 35° | 32   | 45    | 63   | 45    | 33   | 28   |
| 45° | 1    | 4     | 6    | 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°    | 7681.9 | 7681.9 | 7681.9 | 7681.9 | 7681.9 |
| 1°    | 7652.4 | 7657.3 | 7658.5 | 7665.9 | 7651.2 |
| 2°    | 7582.5 | 7583.7 | 7587.4 | 7602.1 | 7588.6 |
| 3°    | 7453.7 | 7462.3 | 7463.5 | 7483.1 | 7486.8 |
| 4°    | 7278.3 | 7283.2 | 7293.0 | 7326.1 | 7296.7 |
| 5°    | 7056.2 | 7066.0 | 7072.2 | 7102.8 | 7086.9 |
| 6°    | 6781.4 | 6783.9 | 6797.4 | 6833.0 | 6810.9 |
| 7°    | 6501.7 | 6500.5 | 6501.7 | 6529.9 | 6523.8 |
| 8°    | 6164.4 | 6158.2 | 6177.9 | 6212.2 | 6235.5 |
| 9°    | 5812.3 | 5820.9 | 5833.2 | 5866.3 | 5839.3 |
| 10°   | 5416.1 | 5439.4 | 5435.7 | 5438.1 | 5465.1 |
| 11°   | 4959.7 | 4967.1 | 4968.3 | 4994.1 | 4990.4 |
| 12°   | 4423.6 | 4423.6 | 4464.1 | 4505.8 | 4492.3 |
| 13°   | 3882.6 | 3920.7 | 3893.7 | 3902.3 | 3956.2 |
| 14°   | 3252.1 | 3281.5 | 3318.3 | 3352.7 | 3325.7 |
| 15°   | 2625.2 | 2687.8 | 2735.6 | 2762.6 | 2736.9 |
| 17.5° | 1504.0 | 1524.8 | 1565.3 | 1570.2 | 1554.3 |
| 20°   | 859.9  | 885.7  | 917.6  | 907.8  | 877.1  |
| 22.5° | 541.0  | 548.4  | 580.2  | 564.3  | 556.9  |
| 25°   | 343.5  | 361.9  | 381.5  | 365.6  | 353.3  |
| 27.5° | 213.5  | 225.7  | 246.6  | 229.4  | 215.9  |
| 30°   | 128.8  | 139.8  | 161.9  | 138.6  | 130.0  |
| 32.5° | 67.5   | 83.4   | 101.8  | 84.6   | 67.5   |
| 35°   | 31.9   | 45.4   | 62.6   | 45.4   | 33.1   |
| 37.5° | 19.6   | 24.5   | 38.0   | 24.5   | 19.6   |
| 40°   | 11.0   | 15.9   | 23.3   | 15.9   | 11.0   |
| 42.5° | 4.9    | 8.6    | 11.0   | 8.6    | 6.1    |
| 45°   | 1.2    | 3.7    | 6.1    | 3.7    | 1.2    |
| 47.5° | 0.0    | 0.0    | 3.7    | 1.2    | 0.0    |
| 50°   | 0.0    | 0.0    | 1.2    | 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)