

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: P1318144

Luminaire Tested: P3SQAS17R309835DE010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS17R309835DE010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

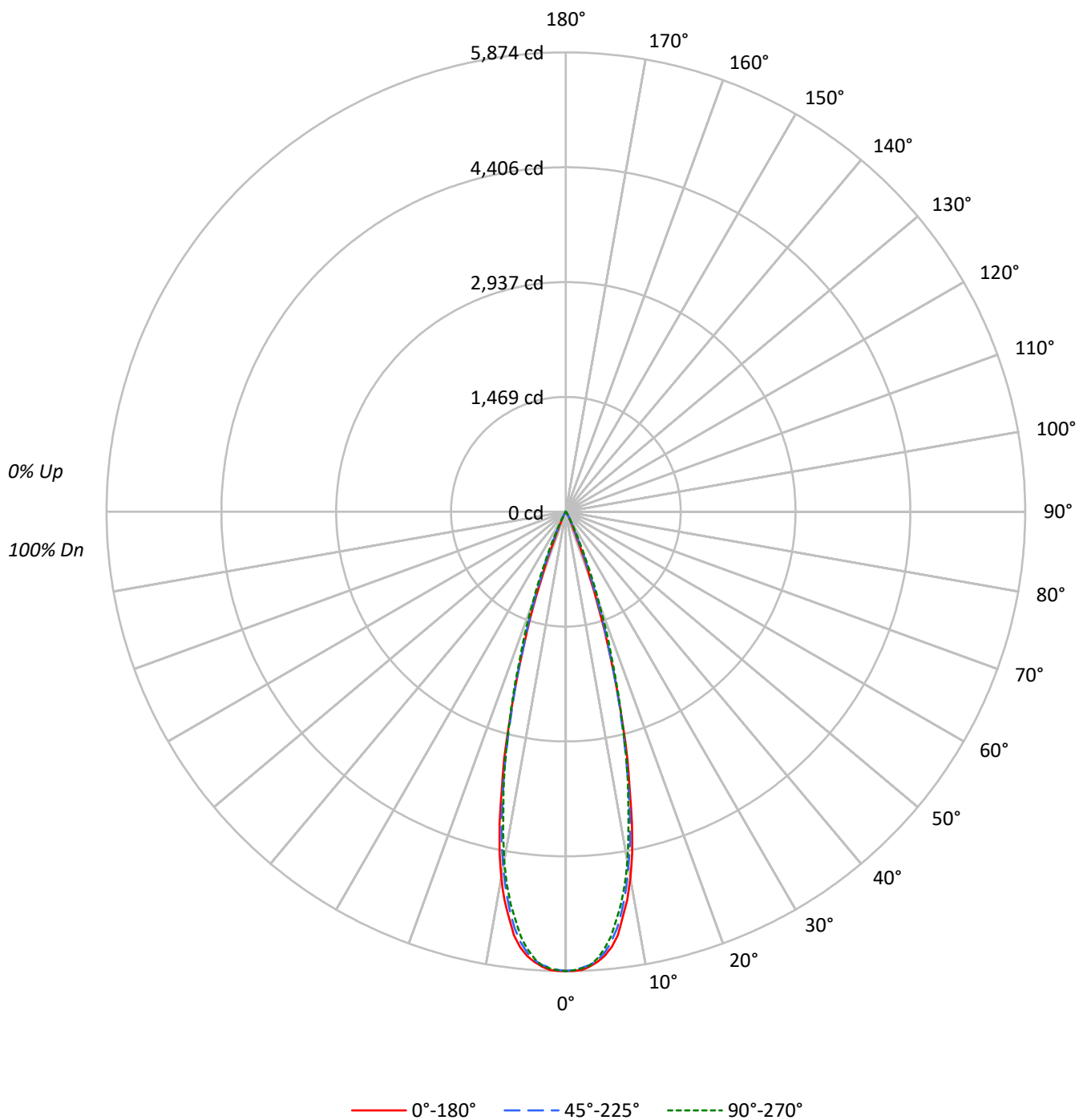
Lumens per Lamp: N/A  
Luminaire Lumens: 1423.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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 | 109 | 108 | 107 | 106 | 105 |  | 103 | 103 | 102 |  | 100 |
| 2   | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 101 | 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  | 94  | 92  |  | 95  | 93  | 91  |  | 94  |
| 5   | 102 | 97  | 93  | 90  | 101 | 96  | 93  | 90  | 95  | 91  | 89  |  | 93  | 90  | 88  |  | 92  |
| 6   | 100 | 94  | 90  | 87  | 99  | 93  | 90  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 7   | 97  | 91  | 87  | 84  | 96  | 91  | 87  | 84  | 90  | 86  | 84  |  | 88  | 86  | 83  |  | 88  |
| 8   | 95  | 89  | 85  | 82  | 94  | 88  | 84  | 82  | 87  | 84  | 82  |  | 86  | 83  | 81  |  | 86  |
| 9   | 92  | 86  | 82  | 80  | 92  | 86  | 82  | 80  | 85  | 82  | 79  |  | 84  | 81  | 79  |  | 84  |
| 10  | 90  | 84  | 80  | 78  | 90  | 84  | 80  | 78  | 83  | 80  | 77  |  | 82  | 79  | 77  |  | 82  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1011429 | 1011429 | 1011429 |
| 5°  | 985384  | 978590  | 970534  |
| 10° | 831569  | 806054  | 792956  |
| 15° | 501124  | 487128  | 496096  |
| 20° | 169988  | 196288  | 226419  |
| 25° | 31240   | 48951   | 57825   |
| 30° | 10739   | 11952   | 13423   |
| 35° | 3091    | 3869    | 4121    |
| 40° | 832     | 1371    | 1102    |
| 45° | 292     | 292     | 292     |
| 50° | 322     | 0       | 322     |
| 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: 0°

Vertical Angle: 52.5°

Luminance: 339 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 507.8  | 35.7      |
| 10°-20°   | 742.2  | 52.2      |
| 20°-30°   | 157.0  | 11.0      |
| 30°-40°   | 14.5   | 1.0       |
| 40°-50°   | 1.4    | 0.1       |
| 50°-60°   | 0.1    | 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°    | 1407.0 | 98.9      |
| 0°-40°    | 1421.5 | 99.9      |
| 0°-60°    | 1423.0 | 100.0     |
| 0°-90°    | 1423.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1423.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 5873 | 5873  | 5873 | 5873  | 5873 |      |
| 5°  | 5700 | 5689  | 5660 | 5643  | 5614 | 515  |
| 15° | 2811 | 2801  | 2732 | 2796  | 2782 | 741  |
| 25° | 164  | 184   | 258  | 303   | 304  | 120  |
| 35° | 15   | 18    | 18   | 22    | 20   | 12   |
| 45° | 1    | 1     | 1    | 1     | 1    | 1    |
| 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°    | 5872.8 | 5872.8 | 5872.8 | 5872.8 | 5872.8 |
| 1°    | 5874.0 | 5867.9 | 5859.3 | 5871.6 | 5863.0 |
| 2°    | 5861.7 | 5847.0 | 5834.7 | 5847.0 | 5843.3 |
| 3°    | 5824.9 | 5812.7 | 5804.1 | 5810.2 | 5810.2 |
| 4°    | 5769.7 | 5756.2 | 5748.9 | 5750.1 | 5731.7 |
| 5°    | 5699.8 | 5688.8 | 5660.5 | 5643.4 | 5613.9 |
| 6°    | 5596.7 | 5569.8 | 5535.4 | 5507.2 | 5469.2 |
| 7°    | 5456.9 | 5415.2 | 5366.1 | 5317.0 | 5269.2 |
| 8°    | 5232.4 | 5212.8 | 5146.5 | 5113.4 | 5065.5 |
| 9°    | 5021.4 | 4973.5 | 4902.4 | 4848.4 | 4822.6 |
| 10°   | 4755.1 | 4684.0 | 4609.2 | 4566.2 | 4534.3 |
| 11°   | 4439.9 | 4367.5 | 4307.4 | 4244.8 | 4195.7 |
| 12°   | 4069.4 | 4008.0 | 3939.3 | 3897.6 | 3839.9 |
| 13°   | 3630.2 | 3621.6 | 3544.3 | 3530.8 | 3523.4 |
| 14°   | 3253.5 | 3219.2 | 3143.1 | 3164.0 | 3168.9 |
| 15°   | 2810.6 | 2800.8 | 2732.1 | 2795.9 | 2782.4 |
| 17.5° | 1760.5 | 1764.2 | 1807.1 | 1907.7 | 1939.6 |
| 20°   | 927.5  | 955.7  | 1071.0 | 1192.5 | 1235.4 |
| 22.5° | 375.4  | 438.0  | 555.7  | 637.9  | 693.2  |
| 25°   | 164.4  | 184.0  | 257.6  | 303.0  | 304.3  |
| 27.5° | 93.2   | 94.5   | 123.9  | 128.8  | 131.3  |
| 30°   | 54.0   | 55.2   | 60.1   | 63.8   | 67.5   |
| 32.5° | 29.4   | 31.9   | 33.1   | 38.0   | 38.0   |
| 35°   | 14.7   | 18.4   | 18.4   | 22.1   | 19.6   |
| 37.5° | 8.6    | 9.8    | 11.0   | 11.0   | 9.8    |
| 40°   | 3.7    | 4.9    | 6.1    | 6.1    | 4.9    |
| 42.5° | 1.2    | 2.5    | 2.5    | 2.5    | 3.7    |
| 45°   | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    |
| 47.5° | 1.2    | 1.2    | 0.0    | 1.2    | 1.2    |
| 50°   | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 52.5° | 1.2    | 0.0    | 0.0    | 0.0    | 1.2    |
| 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)