

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: P1306208

Luminaire Tested: P3SQASS20R259024D010 E3SQPH1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306208  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQASS20R259024D010 E3SQPH1MMS  
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPH1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

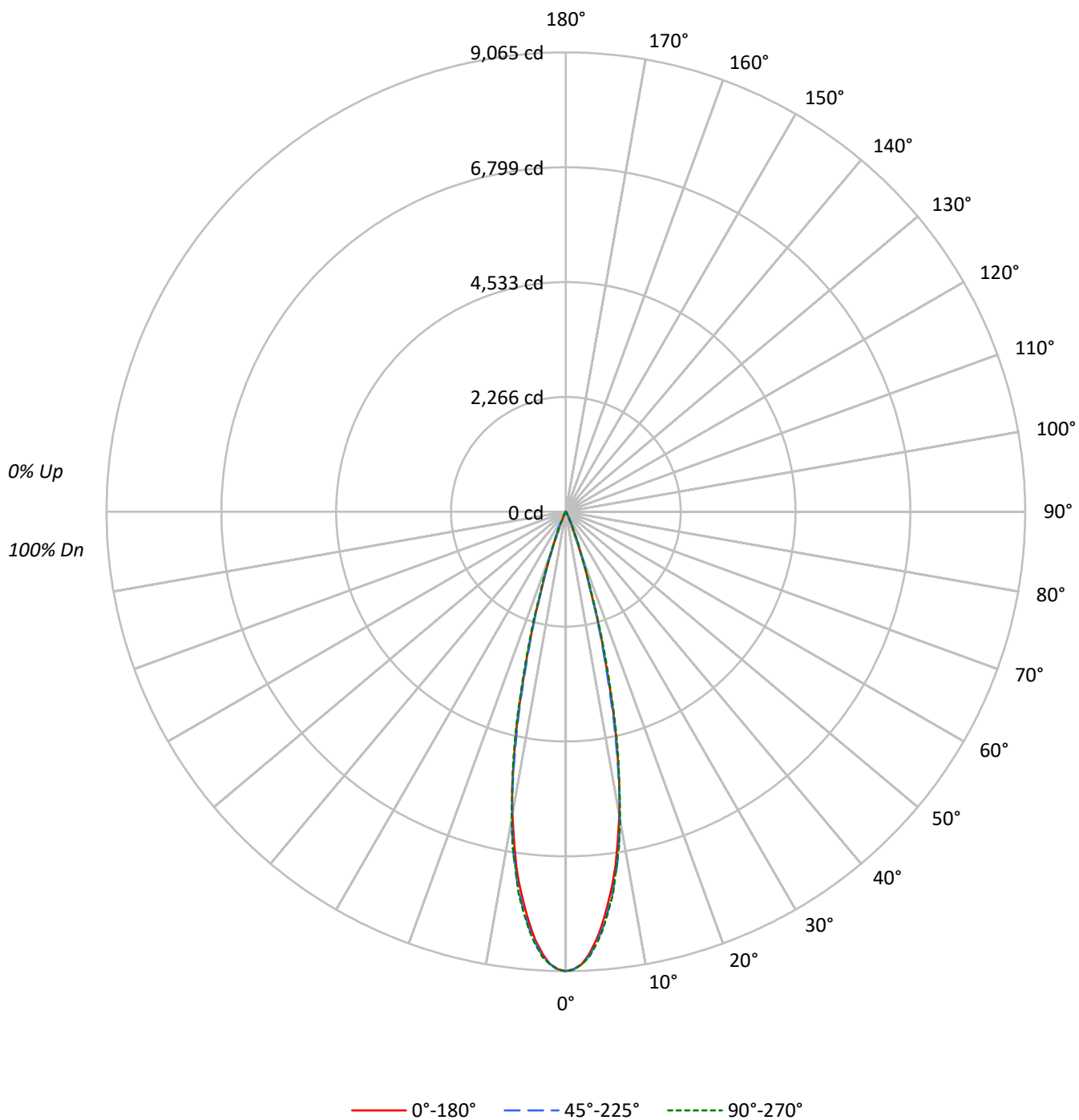
Lumens per Lamp: N/A  
Luminaire Lumens: 1673.0 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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 | 112 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 |  | 104 | 103 | 102 |  | 100 |
| 2   | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 103 | 104 | 102 | 101 |  | 101 | 100 | 98  |  | 99  |
| 3   | 109 | 105 | 102 | 99  | 107 | 104 | 101 | 98  | 101 | 99  | 97  |  | 99  | 97  | 95  |  | 97  |
| 4   | 106 | 101 | 98  | 95  | 105 | 100 | 97  | 95  | 99  | 96  | 94  |  | 97  | 94  | 93  |  | 95  |
| 5   | 104 | 98  | 95  | 92  | 102 | 98  | 94  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 6   | 101 | 96  | 92  | 89  | 100 | 95  | 92  | 89  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 7   | 99  | 93  | 89  | 87  | 98  | 93  | 89  | 87  | 92  | 89  | 86  |  | 91  | 88  | 86  |  | 90  |
| 8   | 97  | 91  | 87  | 85  | 96  | 90  | 87  | 85  | 90  | 86  | 84  |  | 89  | 86  | 84  |  | 88  |
| 9   | 95  | 89  | 85  | 83  | 94  | 88  | 85  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 10  | 93  | 87  | 83  | 81  | 92  | 86  | 83  | 81  | 86  | 83  | 81  |  | 85  | 82  | 80  |  | 85  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1561233 | 1561233 | 1561233 |
| 5°  | 1414785 | 1427682 | 1434632 |
| 10° | 1063564 | 1071137 | 1076086 |
| 15° | 526621  | 510931  | 544968  |
| 20° | 148728  | 151184  | 152833  |
| 25° | 25787   | 48761   | 30613   |
| 30° | 10082   | 10381   | 10679   |
| 35° | 3133    | 3448    | 3448    |
| 40° | 1012    | 1349    | 1012    |
| 45° | 731     | 365     | 731     |
| 50° | 402     | 0       | 402     |
| 55° | 450     | 0       | 450     |
| 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: 45°

Luminance: 731 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 720.1  | 43.0      |
| 10°-20°   | 812.1  | 48.5      |
| 20°-30°   | 126.0  | 7.5       |
| 30°-40°   | 12.8   | 0.8       |
| 40°-50°   | 1.7    | 0.1       |
| 50°-60°   | 0.3    | 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°    | 1658.2 | 99.1      |
| 0°-40°    | 1671.0 | 99.9      |
| 0°-60°    | 1673.0 | 100.0     |
| 0°-90°    | 1673.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1673.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 9065 | 9065  | 9065 | 9065  | 9065 |      |
| 5°  | 8184 | 8198  | 8258 | 8291  | 8298 | 713  |
| 15° | 2954 | 2933  | 2866 | 2994  | 3056 | 809  |
| 25° | 136  | 201   | 257  | 195   | 161  | 114  |
| 35° | 15   | 16    | 16   | 18    | 16   | 12   |
| 45° | 3    | 2     | 2    | 2     | 3    | 2    |
| 55° | 2    | 0     | 0    | 0     | 2    | 1    |
| 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°    | 9065.2 | 9065.2 | 9065.2 | 9065.2 | 9065.2 |
| 1°    | 9027.9 | 9039.8 | 9026.4 | 9041.3 | 9039.8 |
| 2°    | 8933.9 | 8945.8 | 8929.4 | 8938.4 | 8938.4 |
| 3°    | 8741.5 | 8766.8 | 8781.8 | 8792.2 | 8801.2 |
| 4°    | 8487.9 | 8516.2 | 8538.6 | 8565.5 | 8565.5 |
| 5°    | 8183.6 | 8198.5 | 8258.2 | 8291.0 | 8298.4 |
| 6°    | 7821.1 | 7880.8 | 7925.5 | 7991.1 | 7950.9 |
| 7°    | 7458.6 | 7507.8 | 7570.5 | 7580.9 | 7609.3 |
| 8°    | 7046.9 | 7099.1 | 7157.3 | 7146.8 | 7123.0 |
| 9°    | 6545.7 | 6621.7 | 6690.4 | 6668.0 | 6697.8 |
| 10°   | 6081.7 | 6128.0 | 6125.0 | 6102.6 | 6153.3 |
| 11°   | 5543.2 | 5553.7 | 5495.5 | 5586.5 | 5531.3 |
| 12°   | 4904.8 | 4913.7 | 4839.1 | 4928.6 | 4985.3 |
| 13°   | 4293.2 | 4272.3 | 4169.4 | 4287.2 | 4358.8 |
| 14°   | 3589.1 | 3596.5 | 3465.3 | 3693.5 | 3675.6 |
| 15°   | 2953.6 | 2932.7 | 2865.6 | 2993.9 | 3056.5 |
| 17.5° | 1573.8 | 1587.2 | 1570.8 | 1634.9 | 1675.2 |
| 20°   | 811.5  | 833.9  | 824.9  | 851.8  | 833.9  |
| 22.5° | 420.7  | 452.0  | 460.9  | 440.1  | 383.4  |
| 25°   | 135.7  | 201.4  | 256.6  | 195.4  | 161.1  |
| 27.5° | 82.0   | 80.6   | 125.3  | 86.5   | 88.0   |
| 30°   | 50.7   | 49.2   | 52.2   | 52.2   | 53.7   |
| 32.5° | 28.3   | 29.8   | 28.3   | 31.3   | 29.8   |
| 35°   | 14.9   | 16.4   | 16.4   | 17.9   | 16.4   |
| 37.5° | 9.0    | 10.4   | 10.4   | 10.4   | 9.0    |
| 40°   | 4.5    | 6.0    | 6.0    | 4.5    | 4.5    |
| 42.5° | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    |
| 45°   | 3.0    | 1.5    | 1.5    | 1.5    | 3.0    |
| 47.5° | 1.5    | 1.5    | 0.0    | 1.5    | 1.5    |
| 50°   | 1.5    | 1.5    | 0.0    | 1.5    | 1.5    |
| 52.5° | 1.5    | 0.0    | 0.0    | 0.0    | 1.5    |
| 55°   | 1.5    | 0.0    | 0.0    | 0.0    | 1.5    |
| 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)