

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: P1311779

Luminaire Tested: P3SQAS24R309050D010 E3SQPHLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS24R309050D010 E3SQPHLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

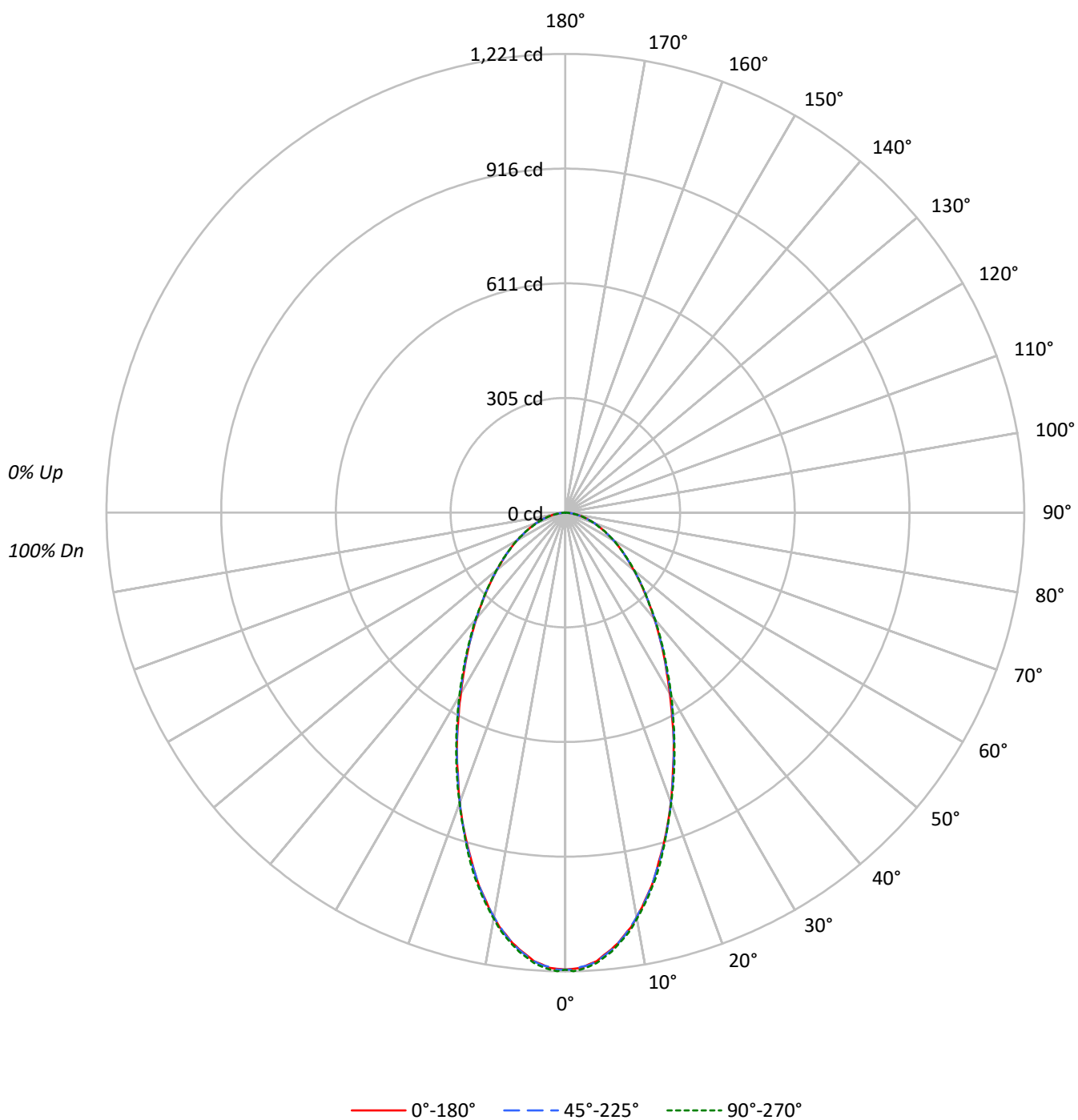
Lumens per Lamp: N/A  
Luminaire Lumens: 1562.0 lumens  
Efficiency: N/A  
Efficacy: 54.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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   | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  |  | 97  | 95  | 93  |  | 93  |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 83  |  | 87  | 84  | 81  |  | 85  |
| 3   | 95  | 86  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  |  | 79  | 75  | 71  |  | 77  |
| 4   | 89  | 78  | 71  | 65  | 86  | 77  | 70  | 65  | 75  | 69  | 64  |  | 73  | 67  | 63  |  | 71  |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 63  | 58  | 69  | 62  | 57  |  | 67  | 61  | 57  |  | 65  |
| 6   | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |  | 62  | 56  | 51  |  | 60  |
| 7   | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  |  | 57  | 51  | 47  |  | 56  |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 48  | 43  | 54  | 48  | 43  |  | 53  | 47  | 43  |  | 52  |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 209509 | 209509 | 209509 |
| 5°  | 204327 | 204691 | 205451 |
| 10° | 191196 | 191196 | 191948 |
| 15° | 171434 | 171826 | 172967 |
| 20° | 150488 | 150488 | 150872 |
| 25° | 129750 | 129750 | 130567 |
| 30° | 110430 | 111723 | 112140 |
| 35° | 95388  | 95851  | 96313  |
| 40° | 82577  | 83071  | 83543  |
| 45° | 72094  | 72629  | 72629  |
| 50° | 63687  | 63687  | 64250  |
| 55° | 57080  | 57080  | 57080  |
| 60° | 51357  | 51357  | 51357  |
| 65° | 45805  | 45805  | 45805  |
| 70° | 41341  | 41341  | 41341  |
| 75° | 37396  | 35933  | 35933  |
| 80° | 32134  | 29952  | 29952  |
| 85° | 21341  | 21341  | 21341  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 72629 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 110.1  | 7.1       |
| 10°-20°   | 268.6  | 17.2      |
| 20°-30°   | 313.7  | 20.1      |
| 30°-40°   | 285.4  | 18.3      |
| 40°-50°   | 230.6  | 14.8      |
| 50°-60°   | 170.3  | 10.9      |
| 60°-70°   | 112.1  | 7.2       |
| 70°-80°   | 58.0   | 3.7       |
| 80°-90°   | 13.2   | 0.8       |
| 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°    | 692.5  | 44.3      |
| 0°-40°    | 977.9  | 62.6      |
| 0°-60°    | 1378.7 | 88.3      |
| 0°-90°    | 1562.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1562.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 1216 | 1216  | 1216 | 1216  | 1216 |      |
| 5°  | 1182 | 1182  | 1184 | 1184  | 1188 | 110  |
| 15° | 962  | 964   | 964  | 964   | 970  | 268  |
| 25° | 683  | 681   | 683  | 683   | 687  | 313  |
| 35° | 454  | 452   | 456  | 456   | 458  | 284  |
| 45° | 296  | 298   | 298  | 298   | 298  | 230  |
| 55° | 190  | 188   | 190  | 188   | 190  | 171  |
| 65° | 112  | 112   | 112  | 112   | 112  | 112  |
| 75° | 56   | 54    | 54   | 54    | 54   | 60   |
| 85° | 11   | 11    | 11   | 11    | 11   | 13   |
| 90° | 0    | 0     | 0    | 0     | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1216.5 | 1216.5 | 1216.5 | 1216.5 | 1216.5 |
| 1°    | 1214.3 | 1214.3 | 1216.5 | 1214.3 | 1220.8 |
| 2°    | 1212.1 | 1210.0 | 1210.0 | 1210.0 | 1216.5 |
| 3°    | 1203.5 | 1203.5 | 1205.7 | 1203.5 | 1210.0 |
| 4°    | 1197.0 | 1194.9 | 1197.0 | 1194.9 | 1201.3 |
| 5°    | 1181.9 | 1181.9 | 1184.0 | 1184.0 | 1188.4 |
| 6°    | 1168.9 | 1168.9 | 1171.1 | 1168.9 | 1175.4 |
| 7°    | 1153.8 | 1153.8 | 1153.8 | 1153.8 | 1158.1 |
| 8°    | 1134.4 | 1134.4 | 1136.5 | 1136.5 | 1140.8 |
| 9°    | 1117.1 | 1114.9 | 1114.9 | 1114.9 | 1121.4 |
| 10°   | 1093.3 | 1093.3 | 1093.3 | 1093.3 | 1097.6 |
| 11°   | 1069.5 | 1069.5 | 1069.5 | 1069.5 | 1073.9 |
| 12°   | 1043.6 | 1043.6 | 1045.8 | 1043.6 | 1050.1 |
| 13°   | 1019.8 | 1019.8 | 1019.8 | 1019.8 | 1024.2 |
| 14°   | 991.7  | 989.6  | 991.7  | 991.7  | 998.2  |
| 15°   | 961.5  | 963.7  | 963.7  | 963.7  | 970.1  |
| 17.5° | 892.4  | 892.4  | 894.5  | 890.2  | 894.5  |
| 20°   | 821.1  | 818.9  | 821.1  | 821.1  | 823.2  |
| 22.5° | 747.6  | 749.8  | 749.8  | 749.8  | 754.1  |
| 25°   | 682.8  | 680.6  | 682.8  | 682.8  | 687.1  |
| 27.5° | 615.8  | 618.0  | 620.1  | 618.0  | 622.3  |
| 30°   | 555.3  | 559.6  | 561.8  | 557.5  | 563.9  |
| 32.5° | 501.3  | 501.3  | 503.4  | 505.6  | 507.8  |
| 35°   | 453.7  | 451.6  | 455.9  | 455.9  | 458.1  |
| 37.5° | 408.4  | 408.4  | 408.4  | 410.5  | 412.7  |
| 40°   | 367.3  | 367.3  | 369.5  | 369.5  | 371.6  |
| 42.5° | 330.6  | 328.4  | 330.6  | 330.6  | 330.6  |
| 45°   | 296.0  | 298.2  | 298.2  | 298.2  | 298.2  |
| 47.5° | 265.8  | 265.8  | 267.9  | 265.8  | 267.9  |
| 50°   | 237.7  | 237.7  | 237.7  | 237.7  | 239.8  |
| 52.5° | 211.7  | 211.7  | 211.7  | 211.7  | 213.9  |
| 55°   | 190.1  | 188.0  | 190.1  | 188.0  | 190.1  |
| 57.5° | 168.5  | 168.5  | 168.5  | 168.5  | 168.5  |
| 60°   | 149.1  | 146.9  | 149.1  | 146.9  | 149.1  |
| 62.5° | 129.6  | 129.6  | 129.6  | 129.6  | 129.6  |
| 65°   | 112.4  | 112.4  | 112.4  | 112.4  | 112.4  |
| 67.5° | 97.2   | 97.2   | 97.2   | 95.1   | 95.1   |
| 70°   | 82.1   | 82.1   | 82.1   | 82.1   | 82.1   |
| 72.5° | 69.1   | 67.0   | 67.0   | 67.0   | 67.0   |
| 75°   | 56.2   | 54.0   | 54.0   | 54.0   | 54.0   |
| 77.5° | 43.2   | 43.2   | 41.1   | 41.1   | 43.2   |
| 80°   | 32.4   | 30.2   | 30.2   | 30.2   | 30.2   |
| 82.5° | 19.4   | 19.4   | 19.4   | 19.4   | 19.4   |
| 85°   | 10.8   | 10.8   | 10.8   | 10.8   | 10.8   |
| 87.5° | 2.2    | 2.2    | 2.2    | 4.3    | 4.3    |



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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)