

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: P1305679

Luminaire Tested: P3SQAS05R709024DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305679  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS05R709024DE010 E3SQCLDWW1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

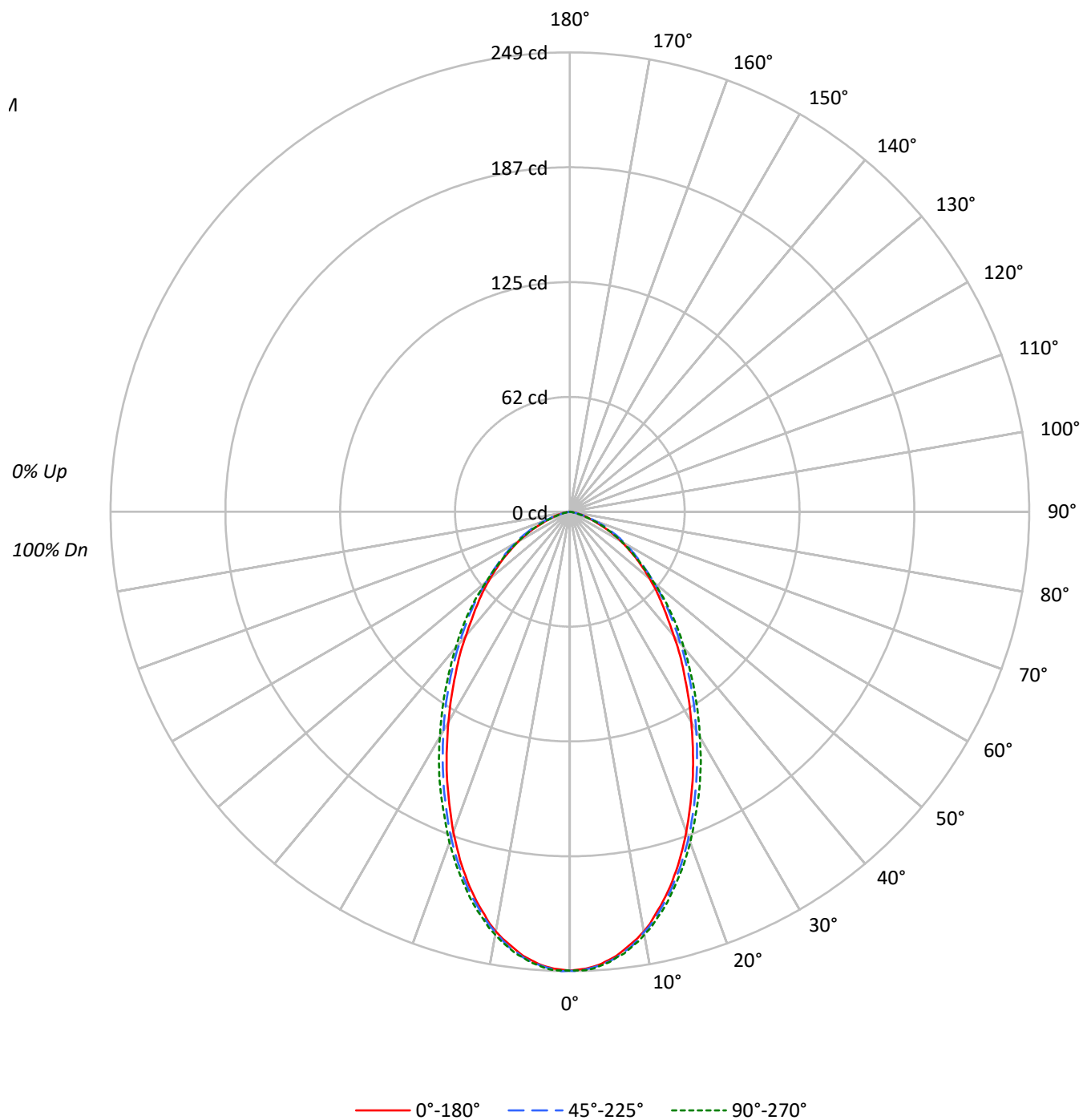
Lumens per Lamp: N/A  
Luminaire Lumens: 356.0 lumens  
Efficiency: N/A  
Efficacy: 49.4 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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

TEST NUMBER: P1305679

CATALOG NUMBER: P3SQAS05R709024DE010 E3SQCLDWW1MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1305679

CATALOG NUMBER: P3SQAS05R709024DE010 E3SQCLDWW1MB

**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 | 108 | 104 | 102 | 109 | 106 | 103 | 100 | 101 | 99  | 97  |  | 98  | 96  | 94  |  | 94  |
| 2   | 103 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |  | 89  | 85  | 82  |  | 86  |
| 3   | 96  | 87  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |  | 81  | 76  | 72  |  | 78  |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |  | 74  | 69  | 64  |  | 72  |
| 5   | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 58  |  | 66  |
| 6   | 78  | 66  | 59  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 53  |  | 62  | 56  | 52  |  | 61  |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 48  |  | 58  | 52  | 47  |  | 56  |
| 8   | 68  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  |  | 53  | 48  | 43  |  | 52  |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  |  | 50  | 44  | 40  |  | 49  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  | 48  | 41  | 37  |  | 47  | 41  | 37  |  | 46  |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 42832 | 42832 | 42832 |
| 5°  | 42148 | 42304 | 42373 |
| 10° | 40397 | 40467 | 40712 |
| 15° | 37478 | 37799 | 38120 |
| 20° | 33833 | 34492 | 34969 |
| 25° | 29967 | 30803 | 31563 |
| 30° | 26171 | 27225 | 28020 |
| 35° | 22749 | 23968 | 24704 |
| 40° | 19672 | 20953 | 21650 |
| 45° | 17220 | 18389 | 18925 |
| 50° | 15138 | 15862 | 15862 |
| 55° | 13121 | 13782 | 13392 |
| 60° | 11091 | 11883 | 11263 |
| 65° | 8639  | 9903  | 9006  |
| 70° | 6244  | 7352  | 6244  |
| 75° | 4724  | 4392  | 3527  |
| 80° | 3075  | 2182  | 893   |
| 85° | 790   | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18925 cd/sqm

TEST NUMBER: P1305679

CATALOG NUMBER: P3SQAS05R709024DE010 E3SQCLDWW1MB

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 22.9   | 6.4       |
| 10°-20°   | 59.2   | 16.6      |
| 20°-30°   | 74.3   | 20.9      |
| 30°-40°   | 71.0   | 19.9      |
| 40°-50°   | 57.7   | 16.2      |
| 50°-60°   | 40.4   | 11.3      |
| 60°-70°   | 22.8   | 6.4       |
| 70°-80°   | 7.2    | 2.0       |
| 80°-90°   | 0.6    | 0.2       |
| 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°    | 156.4  | 43.9      |
| 0°-40°    | 227.4  | 63.9      |
| 0°-60°    | 325.4  | 91.4      |
| 0°-90°    | 356.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 356.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 249 | 249   | 249 | 249   | 249 |      |
| 5°  | 244 | 244   | 245 | 244   | 245 | 23   |
| 15° | 210 | 211   | 212 | 212   | 214 | 59   |
| 25° | 158 | 160   | 162 | 165   | 166 | 72   |
| 35° | 108 | 110   | 114 | 116   | 118 | 68   |
| 45° | 71  | 72    | 76  | 77    | 78  | 55   |
| 55° | 44  | 44    | 46  | 45    | 45  | 39   |
| 65° | 21  | 22    | 24  | 23    | 22  | 21   |
| 75° | 7   | 7     | 7   | 6     | 5   | 8    |
| 85° | 0   | 0     | 0   | 0     | 0   | 1    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |

TEST NUMBER: P1305679

CATALOG NUMBER: P3SQAS05R709024DE010 E3SQCLDWW1MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|-------|-------|-------|-------|-------|-------|
| 0°    | 248.7 | 248.7 | 248.7 | 248.7 | 248.7 |
| 1°    | 248.2 | 248.7 | 249.1 | 248.2 | 248.7 |
| 2°    | 247.8 | 248.2 | 248.2 | 247.8 | 248.7 |
| 3°    | 246.9 | 247.3 | 247.3 | 246.9 | 247.8 |
| 4°    | 245.6 | 246.0 | 246.0 | 245.6 | 246.5 |
| 5°    | 243.8 | 244.3 | 244.7 | 244.3 | 245.1 |
| 6°    | 242.0 | 242.5 | 242.9 | 242.5 | 242.9 |
| 7°    | 239.4 | 240.3 | 240.3 | 240.3 | 241.2 |
| 8°    | 236.7 | 237.6 | 238.1 | 237.6 | 238.5 |
| 9°    | 234.1 | 234.5 | 235.0 | 235.0 | 235.9 |
| 10°   | 231.0 | 231.4 | 231.4 | 231.9 | 232.8 |
| 11°   | 227.5 | 227.5 | 228.4 | 228.4 | 229.7 |
| 12°   | 223.1 | 223.5 | 224.4 | 224.8 | 225.7 |
| 13°   | 219.1 | 219.5 | 220.4 | 220.8 | 222.2 |
| 14°   | 214.7 | 215.5 | 216.4 | 216.9 | 218.2 |
| 15°   | 210.2 | 210.7 | 212.0 | 212.5 | 213.8 |
| 17.5° | 197.9 | 198.3 | 200.5 | 201.4 | 202.7 |
| 20°   | 184.6 | 186.0 | 188.2 | 189.5 | 190.8 |
| 22.5° | 170.9 | 172.3 | 174.9 | 177.1 | 178.0 |
| 25°   | 157.7 | 159.5 | 162.1 | 164.8 | 166.1 |
| 27.5° | 144.4 | 146.2 | 149.3 | 151.9 | 153.7 |
| 30°   | 131.6 | 133.4 | 136.9 | 139.1 | 140.9 |
| 32.5° | 119.7 | 121.5 | 125.4 | 127.7 | 129.0 |
| 35°   | 108.2 | 110.0 | 114.0 | 116.2 | 117.5 |
| 37.5° | 98.1  | 99.8  | 103.4 | 105.6 | 106.4 |
| 40°   | 87.5  | 89.7  | 93.2  | 95.4  | 96.3  |
| 42.5° | 78.6  | 80.4  | 83.9  | 85.7  | 87.0  |
| 45°   | 70.7  | 72.4  | 75.5  | 76.9  | 77.7  |
| 47.5° | 63.6  | 64.5  | 67.1  | 67.6  | 68.5  |
| 50°   | 56.5  | 57.4  | 59.2  | 59.6  | 59.2  |
| 52.5° | 49.9  | 50.8  | 52.1  | 51.7  | 51.7  |
| 55°   | 43.7  | 44.2  | 45.9  | 45.1  | 44.6  |
| 57.5° | 37.5  | 38.4  | 40.2  | 38.9  | 38.4  |
| 60°   | 32.2  | 33.1  | 34.5  | 33.6  | 32.7  |
| 62.5° | 26.9  | 27.4  | 29.6  | 27.8  | 26.9  |
| 65°   | 21.2  | 22.5  | 24.3  | 23.0  | 22.1  |
| 67.5° | 15.9  | 18.1  | 19.9  | 18.1  | 17.2  |
| 70°   | 12.4  | 13.3  | 14.6  | 13.7  | 12.4  |
| 72.5° | 9.3   | 9.7   | 10.2  | 9.3   | 8.4   |
| 75°   | 7.1   | 7.1   | 6.6   | 5.7   | 5.3   |
| 77.5° | 4.9   | 4.9   | 4.0   | 2.7   | 2.7   |
| 80°   | 3.1   | 3.1   | 2.2   | 0.9   | 0.9   |
| 82.5° | 1.3   | 1.3   | 0.9   | 0.4   | 0.4   |
| 85°   | 0.4   | 0.4   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P1305679

CATALOG NUMBER: P3SQAS05R709024DE010 E3SQCLDWW1MB

**CANDELA DISTRIBUTION (continued):**

|     | 0°  | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

(END OF REPORT)