

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: P1446054

Luminaire Tested: P3ART13R709040DE010 E3CLDWW1MW

Issue Date: 5/8/2026

**Test Information**

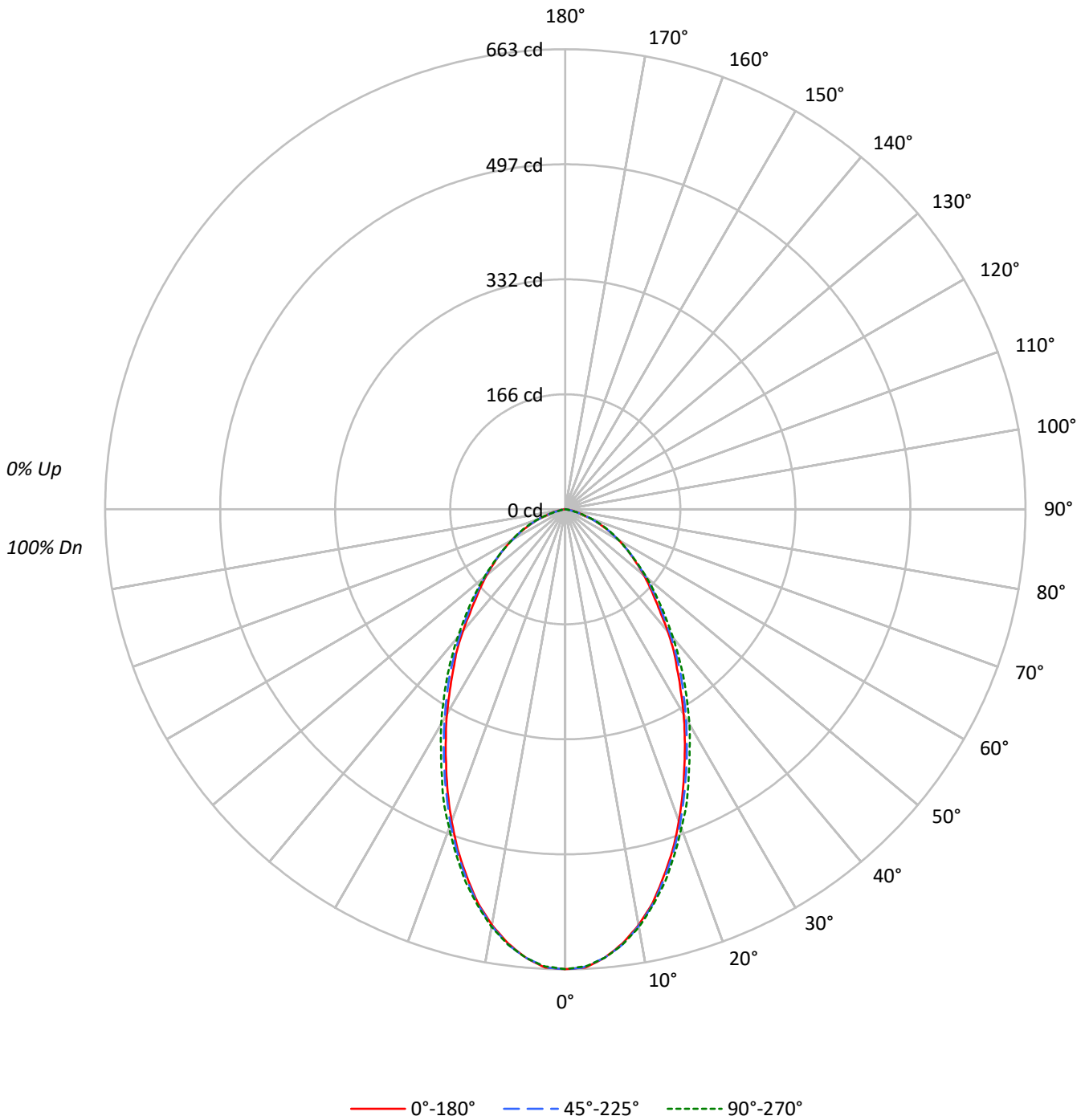
Test Method: LM-79-2019  
Report Number: P1446054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART13R709040DE010 E3CLDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 923.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.6  
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: P1446054  
CATALOG NUMBER: P3ART13R709040DE010 E3CLDWW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1446054  
 CATALOG NUMBER: P3ART13R709040DE010 E3CLDWW1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     | 0   |    |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 100 |    |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  | 97  | 95  | 94  | 94  | 92  | 91  | 91  | 89  |    |
| 2   | 103 | 97  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 87  | 84  | 88  | 85  | 82  | 85  | 83  | 80  | 80  | 78  |    |
| 3   | 96  | 87  | 81  | 75  | 94  | 86  | 80  | 75  | 83  | 78  | 73  | 80  | 76  | 72  | 78  | 74  | 71  | 71  | 69  |    |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 63  | 61  |    |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  | 67  | 62  | 57  | 66  | 61  | 57  | 57  | 55  |    |
| 6   | 78  | 66  | 58  | 53  | 76  | 65  | 58  | 53  | 64  | 57  | 52  | 62  | 56  | 52  | 61  | 55  | 51  | 51  | 50  |    |
| 7   | 73  | 61  | 53  | 48  | 71  | 60  | 53  | 48  | 59  | 52  | 47  | 57  | 52  | 47  | 56  | 51  | 47  | 47  | 45  |    |
| 8   | 68  | 56  | 49  | 44  | 67  | 56  | 49  | 44  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 43  | 41  |    |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 43  | 40  | 40  | 38  |    |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 47  | 41  | 37  | 47  | 41  | 37  | 46  | 40  | 37  | 37  | 35  |    |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 145317 | 145317 | 145317 |
| 5°  | 142879 | 142879 | 142879 |
| 10° | 135446 | 135780 | 136114 |
| 15° | 124382 | 125086 | 126107 |
| 20° | 111660 | 112710 | 114133 |
| 25° | 98256  | 99707  | 101909 |
| 30° | 86368  | 87912  | 90596  |
| 35° | 75168  | 77577  | 79612  |
| 40° | 65666  | 67412  | 69130  |
| 45° | 56626  | 58518  | 59913  |
| 50° | 50455  | 51512  | 52024  |
| 55° | 44424  | 44997  | 44997  |
| 60° | 39076  | 38418  | 39076  |
| 65° | 32118  | 32896  | 33674  |
| 70° | 25132  | 25132  | 26158  |
| 75° | 16606  | 15335  | 15335  |
| 80° | 9471   | 7577   | 5683   |
| 85° | 3774   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 59913 cd/sqm



TEST NUMBER: P1446054

CATALOG NUMBER: P3ART13R709040DE010 E3CLDWW1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.7   | 6.6       |
| 10°-20°   | 153.9  | 16.7      |
| 20°-30°   | 189.8  | 20.6      |
| 30°-40°   | 180.9  | 19.6      |
| 40°-50°   | 146.3  | 15.9      |
| 50°-60°   | 105.4  | 11.4      |
| 60°-70°   | 63.1   | 6.8       |
| 70°-80°   | 21.1   | 2.3       |
| 80°-90°   | 1.8    | 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       |
| 0°-30°    | 404.4  | 43.8      |
| 0°-40°    | 585.3  | 63.4      |
| 0°-60°    | 836.9  | 90.7      |
| 0°-90°    | 923.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 923.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 663 | 663   | 663 | 663   | 663 |      |
| 5°  | 649 | 649   | 649 | 649   | 649 | 61   |
| 15° | 548 | 549   | 551 | 553   | 556 | 153  |
| 25° | 406 | 409   | 412 | 418   | 421 | 187  |
| 35° | 281 | 283   | 290 | 295   | 297 | 176  |
| 45° | 183 | 185   | 189 | 192   | 193 | 142  |
| 55° | 116 | 116   | 118 | 118   | 118 | 105  |
| 65° | 62  | 63    | 63  | 65    | 65  | 62   |
| 75° | 20  | 20    | 18  | 18    | 18  | 22   |
| 85° | 2   | 2     | 0   | 0     | 0   | 3    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



TEST NUMBER: P1446054  
 CATALOG NUMBER: P3ART13R709040DE010 E3CLDWW1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 662.7 | 662.7 | 662.7 | 662.7 | 662.7 | 662.7 | 662.7 | 662.7 | 662.7 | 662.7 | 662.7 |
| 2°    | 661.2 | 661.2 | 661.2 | 661.2 | 661.2 | 661.2 | 661.2 | 661.2 | 661.2 | 661.2 | 659.7 |
| 2.5°  | 661.2 | 659.7 | 659.7 | 659.7 | 659.7 | 659.7 | 659.7 | 659.7 | 659.7 | 661.2 | 659.7 |
| 5°    | 649.1 | 649.1 | 649.1 | 649.1 | 649.1 | 649.1 | 649.1 | 649.1 | 650.6 | 649.1 | 649.1 |
| 7.5°  | 631.0 | 631.0 | 631.0 | 631.0 | 632.5 | 632.5 | 632.5 | 632.5 | 634.0 | 634.0 | 632.5 |
| 10°   | 608.3 | 608.3 | 608.3 | 608.3 | 609.8 | 609.8 | 611.3 | 609.8 | 609.8 | 611.3 | 611.3 |
| 12.5° | 581.2 | 579.6 | 579.6 | 579.6 | 581.2 | 582.7 | 582.7 | 582.7 | 584.2 | 584.2 | 584.2 |
| 15°   | 547.9 | 547.9 | 547.9 | 549.5 | 549.5 | 551.0 | 552.5 | 552.5 | 554.0 | 554.0 | 555.5 |
| 17.5° | 514.7 | 514.7 | 513.2 | 514.7 | 516.2 | 517.8 | 519.3 | 520.8 | 522.3 | 522.3 | 522.3 |
| 20°   | 478.5 | 477.0 | 478.5 | 480.0 | 481.5 | 483.0 | 484.5 | 487.6 | 489.1 | 489.1 | 489.1 |
| 22.5° | 442.3 | 440.8 | 442.3 | 443.8 | 445.3 | 446.8 | 451.3 | 452.9 | 454.4 | 454.4 | 457.4 |
| 25°   | 406.1 | 406.1 | 407.6 | 409.1 | 410.6 | 412.1 | 415.1 | 418.1 | 419.6 | 421.2 | 421.2 |
| 27.5° | 372.8 | 372.8 | 372.8 | 372.8 | 375.9 | 378.9 | 381.9 | 384.9 | 386.4 | 387.9 | 387.9 |
| 30°   | 341.1 | 339.6 | 339.6 | 341.1 | 344.2 | 347.2 | 350.2 | 353.2 | 354.7 | 356.2 | 357.8 |
| 32.5° | 309.4 | 309.4 | 309.4 | 311.0 | 312.5 | 317.0 | 320.0 | 321.5 | 324.5 | 326.1 | 326.1 |
| 35°   | 280.8 | 280.8 | 280.8 | 283.8 | 286.8 | 289.8 | 291.3 | 294.4 | 297.4 | 297.4 | 297.4 |
| 37.5° | 256.6 | 258.1 | 261.1 | 259.6 | 259.6 | 261.1 | 262.7 | 265.7 | 268.7 | 268.7 | 268.7 |
| 40°   | 229.4 | 231.0 | 232.5 | 231.0 | 232.5 | 235.5 | 237.0 | 238.5 | 240.0 | 241.5 | 241.5 |
| 42.5° | 203.8 | 203.8 | 203.8 | 205.3 | 208.3 | 209.8 | 212.8 | 214.3 | 215.9 | 215.9 | 215.9 |
| 45°   | 182.6 | 182.6 | 184.2 | 185.7 | 187.2 | 188.7 | 190.2 | 191.7 | 193.2 | 193.2 | 193.2 |
| 47.5° | 164.5 | 164.5 | 166.0 | 166.0 | 167.6 | 169.1 | 170.6 | 170.6 | 172.1 | 173.6 | 172.1 |
| 50°   | 147.9 | 147.9 | 147.9 | 149.4 | 149.4 | 151.0 | 151.0 | 152.5 | 152.5 | 152.5 | 152.5 |
| 52.5° | 131.3 | 131.3 | 131.3 | 131.3 | 132.8 | 132.8 | 132.8 | 134.3 | 134.3 | 134.3 | 134.3 |
| 55°   | 116.2 | 116.2 | 116.2 | 116.2 | 116.2 | 117.7 | 117.7 | 117.7 | 117.7 | 117.7 | 117.7 |
| 57.5° | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 |
| 60°   | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  | 87.6  | 89.1  | 89.1  | 89.1  | 89.1  | 89.1  |
| 62.5° | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 75.5  | 77.0  | 77.0  | 77.0  | 77.0  |
| 65°   | 61.9  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 64.9  | 64.9  | 64.9  | 64.9  |
| 67.5° | 49.8  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 52.8  | 52.8  | 52.8  |
| 70°   | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 40.8  |
| 72.5° | 27.2  | 27.2  | 27.2  | 27.2  | 27.2  | 27.2  | 27.2  | 27.2  | 28.7  | 28.7  | 28.7  |
| 75°   | 19.6  | 19.6  | 19.6  | 19.6  | 18.1  | 18.1  | 18.1  | 18.1  | 18.1  | 18.1  | 18.1  |
| 77.5° | 13.6  | 13.6  | 13.6  | 12.1  | 12.1  | 10.6  | 10.6  | 10.6  | 10.6  | 10.6  | 9.1   |
| 80°   | 7.5   | 7.5   | 7.5   | 7.5   | 7.5   | 6.0   | 6.0   | 4.5   | 4.5   | 4.5   | 4.5   |
| 82.5° | 4.5   | 4.5   | 4.5   | 3.0   | 3.0   | 3.0   | 3.0   | 1.5   | 1.5   | 1.5   | 1.5   |
| 85°   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)