

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: P#

Luminaire Tested: P3ART20R709730D010 E3LDWW1MW

Issue Date: 5/8/2026

**Test Information**

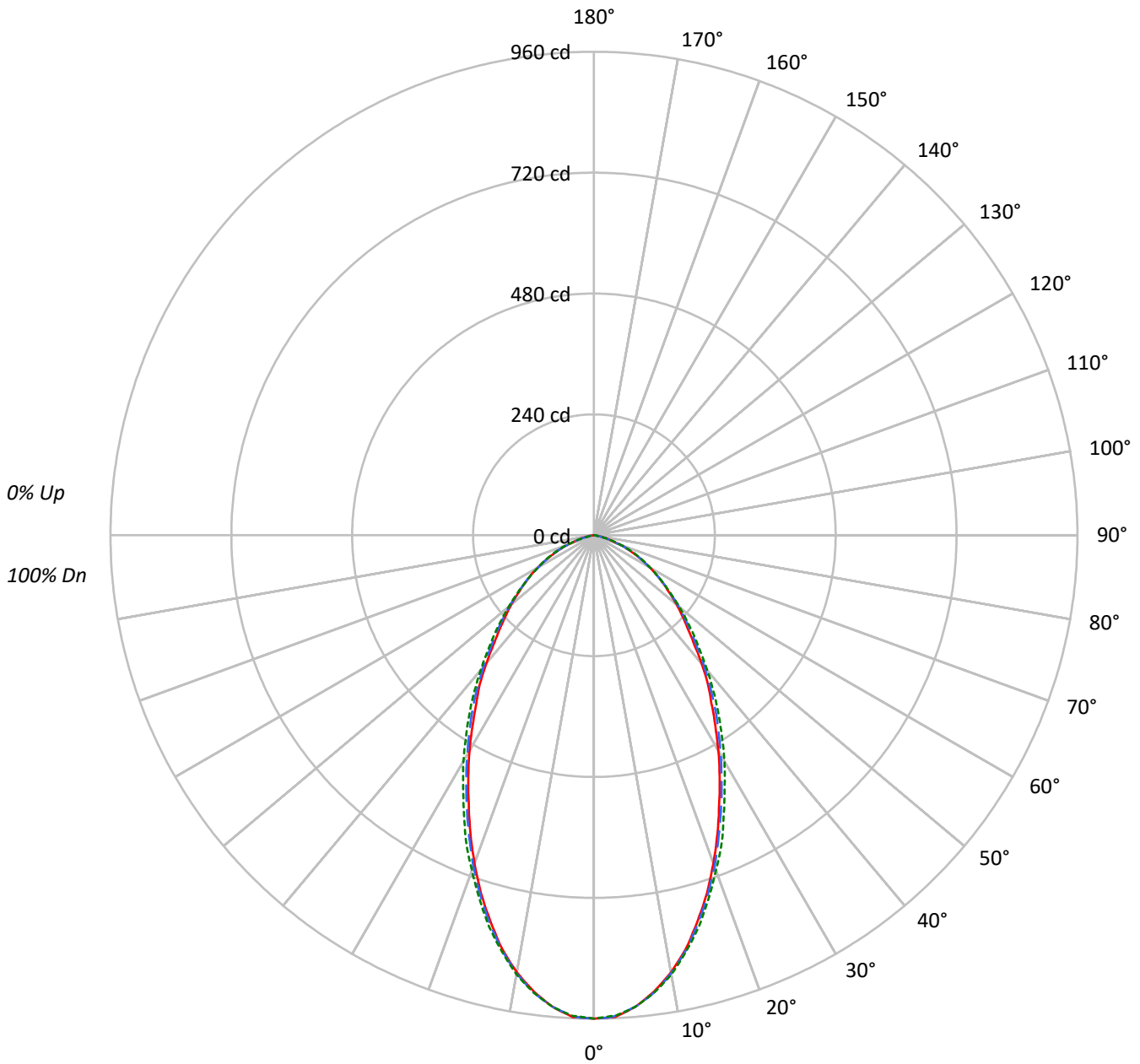
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART20R709730D010 E3LDWW1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3LDWW1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1337.0 lumens  
Efficiency: N/A  
Efficacy: 46.4 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): 28.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 210488 | 210488 | 210488 |
| 5°  | 206955 | 206955 | 206955 |
| 10° | 196211 | 196701 | 197191 |
| 15° | 180183 | 181182 | 182680 |
| 20° | 161737 | 163278 | 165308 |
| 25° | 142315 | 144420 | 147613 |
| 30° | 125133 | 127336 | 131210 |
| 35° | 108870 | 112377 | 115322 |
| 40° | 95150  | 97640  | 100159 |
| 45° | 82055  | 84753  | 86800  |
| 50° | 73106  | 74607  | 75324  |
| 55° | 64380  | 65221  | 65221  |
| 60° | 56574  | 55610  | 56574  |
| 65° | 46490  | 47632  | 48773  |
| 70° | 36481  | 36481  | 37827  |
| 75° | 24061  | 22198  | 22198  |
| 80° | 13764  | 10986  | 8334   |
| 85° | 5535   | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 86800 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.9   | 6.6       |
| 10°-20°   | 222.9  | 16.7      |
| 20°-30°   | 274.9  | 20.6      |
| 30°-40°   | 262.0  | 19.6      |
| 40°-50°   | 211.9  | 15.9      |
| 50°-60°   | 152.7  | 11.4      |
| 60°-70°   | 91.4   | 6.8       |
| 70°-80°   | 30.6   | 2.3       |
| 80°-90°   | 2.6    | 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       |
| 0°-30°    | 585.8  | 43.8      |
| 0°-40°    | 847.8  | 63.4      |
| 0°-60°    | 1212.4 | 90.7      |
| 0°-90°    | 1337.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1337.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 960 | 960   | 960 | 960   | 960 |      |
| 5°  | 940 | 940   | 940 | 941   | 940 | 88   |
| 15° | 794 | 795   | 798 | 801   | 805 | 222  |
| 25° | 588 | 592   | 597 | 606   | 610 | 271  |
| 35° | 407 | 410   | 420 | 428   | 431 | 256  |
| 45° | 265 | 268   | 273 | 278   | 280 | 206  |
| 55° | 168 | 168   | 171 | 171   | 171 | 152  |
| 65° | 90  | 92    | 92  | 94    | 94  | 90   |
| 75° | 28  | 28    | 26  | 26    | 26  | 32   |
| 85° | 2   | 2     | 0   | 0     | 0   | 4    |
| 90° | 0   | 0     | 0   | 0     | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 959.9 | 959.9 | 959.9 | 959.9 | 959.9 | 959.9 | 959.9 | 959.9 | 959.9 | 959.9 | 959.9 |
| 2°    | 957.7 | 957.7 | 957.7 | 957.7 | 957.7 | 957.7 | 957.7 | 957.7 | 957.7 | 957.7 | 955.5 |
| 2.5°  | 957.7 | 955.5 | 955.5 | 955.5 | 955.5 | 955.5 | 955.5 | 955.5 | 955.5 | 957.7 | 955.5 |
| 5°    | 940.2 | 940.2 | 940.2 | 940.2 | 940.2 | 940.2 | 940.2 | 940.2 | 942.4 | 940.2 | 940.2 |
| 7.5°  | 914.0 | 914.0 | 914.0 | 914.0 | 916.2 | 916.2 | 916.2 | 916.2 | 918.4 | 918.4 | 916.2 |
| 10°   | 881.2 | 881.2 | 881.2 | 881.2 | 883.4 | 883.4 | 885.6 | 883.4 | 883.4 | 885.6 | 885.6 |
| 12.5° | 841.8 | 839.6 | 839.6 | 839.6 | 841.8 | 844.0 | 844.0 | 844.0 | 846.2 | 846.2 | 846.2 |
| 15°   | 793.7 | 793.7 | 793.7 | 795.9 | 795.9 | 798.1 | 800.3 | 800.3 | 802.5 | 802.5 | 804.7 |
| 17.5° | 745.6 | 745.6 | 743.4 | 745.6 | 747.8 | 750.0 | 752.2 | 754.4 | 756.6 | 756.6 | 756.6 |
| 20°   | 693.1 | 691.0 | 693.1 | 695.3 | 697.5 | 699.7 | 701.9 | 706.3 | 708.4 | 708.4 | 708.4 |
| 22.5° | 640.7 | 638.5 | 640.7 | 642.9 | 645.0 | 647.2 | 653.8 | 656.0 | 658.2 | 658.2 | 662.5 |
| 25°   | 588.2 | 588.2 | 590.4 | 592.6 | 594.7 | 596.9 | 601.3 | 605.7 | 607.9 | 610.1 | 610.1 |
| 27.5° | 540.1 | 540.1 | 540.1 | 540.1 | 544.5 | 548.8 | 553.2 | 557.6 | 559.8 | 561.9 | 561.9 |
| 30°   | 494.2 | 492.0 | 492.0 | 494.2 | 498.5 | 502.9 | 507.3 | 511.7 | 513.8 | 516.0 | 518.2 |
| 32.5° | 448.2 | 448.2 | 448.2 | 450.4 | 452.6 | 459.2 | 463.6 | 465.7 | 470.1 | 472.3 | 472.3 |
| 35°   | 406.7 | 406.7 | 406.7 | 411.1 | 415.4 | 419.8 | 422.0 | 426.4 | 430.8 | 430.8 | 430.8 |
| 37.5° | 371.7 | 373.9 | 378.3 | 376.1 | 376.1 | 378.3 | 380.5 | 384.8 | 389.2 | 389.2 | 389.2 |
| 40°   | 332.4 | 334.5 | 336.7 | 334.5 | 336.7 | 341.1 | 343.3 | 345.5 | 347.7 | 349.9 | 349.9 |
| 42.5° | 295.2 | 295.2 | 295.2 | 297.4 | 301.7 | 303.9 | 308.3 | 310.5 | 312.7 | 312.7 | 312.7 |
| 45°   | 264.6 | 264.6 | 266.8 | 268.9 | 271.1 | 273.3 | 275.5 | 277.7 | 279.9 | 279.9 | 279.9 |
| 47.5° | 238.3 | 238.3 | 240.5 | 240.5 | 242.7 | 244.9 | 247.1 | 247.1 | 249.3 | 251.5 | 249.3 |
| 50°   | 214.3 | 214.3 | 214.3 | 216.5 | 216.5 | 218.7 | 218.7 | 220.8 | 220.8 | 220.8 | 220.8 |
| 52.5° | 190.2 | 190.2 | 190.2 | 190.2 | 192.4 | 192.4 | 192.4 | 194.6 | 194.6 | 194.6 | 194.6 |
| 55°   | 168.4 | 168.4 | 168.4 | 168.4 | 168.4 | 170.6 | 170.6 | 170.6 | 170.6 | 170.6 | 170.6 |
| 57.5° | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 | 148.7 |
| 60°   | 129.0 | 129.0 | 129.0 | 129.0 | 129.0 | 126.8 | 129.0 | 129.0 | 129.0 | 129.0 | 129.0 |
| 62.5° | 109.3 | 109.3 | 109.3 | 109.3 | 109.3 | 109.3 | 109.3 | 111.5 | 111.5 | 111.5 | 111.5 |
| 65°   | 89.6  | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  | 91.8  | 94.0  | 94.0  | 94.0  | 94.0  |
| 67.5° | 72.2  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 76.5  | 76.5  | 76.5  |
| 70°   | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  | 56.9  | 59.0  |
| 72.5° | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 39.4  | 41.5  | 41.5  | 41.5  |
| 75°   | 28.4  | 28.4  | 28.4  | 28.4  | 26.2  | 26.2  | 26.2  | 26.2  | 26.2  | 26.2  | 26.2  |
| 77.5° | 19.7  | 19.7  | 19.7  | 17.5  | 17.5  | 15.3  | 15.3  | 15.3  | 15.3  | 15.3  | 13.1  |
| 80°   | 10.9  | 10.9  | 10.9  | 10.9  | 10.9  | 8.7   | 8.7   | 6.6   | 6.6   | 6.6   | 6.6   |
| 82.5° | 6.6   | 6.6   | 6.6   | 4.4   | 4.4   | 4.4   | 4.4   | 2.2   | 2.2   | 2.2   | 2.2   |
| 85°   | 2.2   | 2.2   | 2.2   | 2.2   | 2.2   | 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)