

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: P3ART09R70W2N902750DE010 E3CLDWW1MB\_3000K

Issue Date: 5/8/2026

**Test Information**

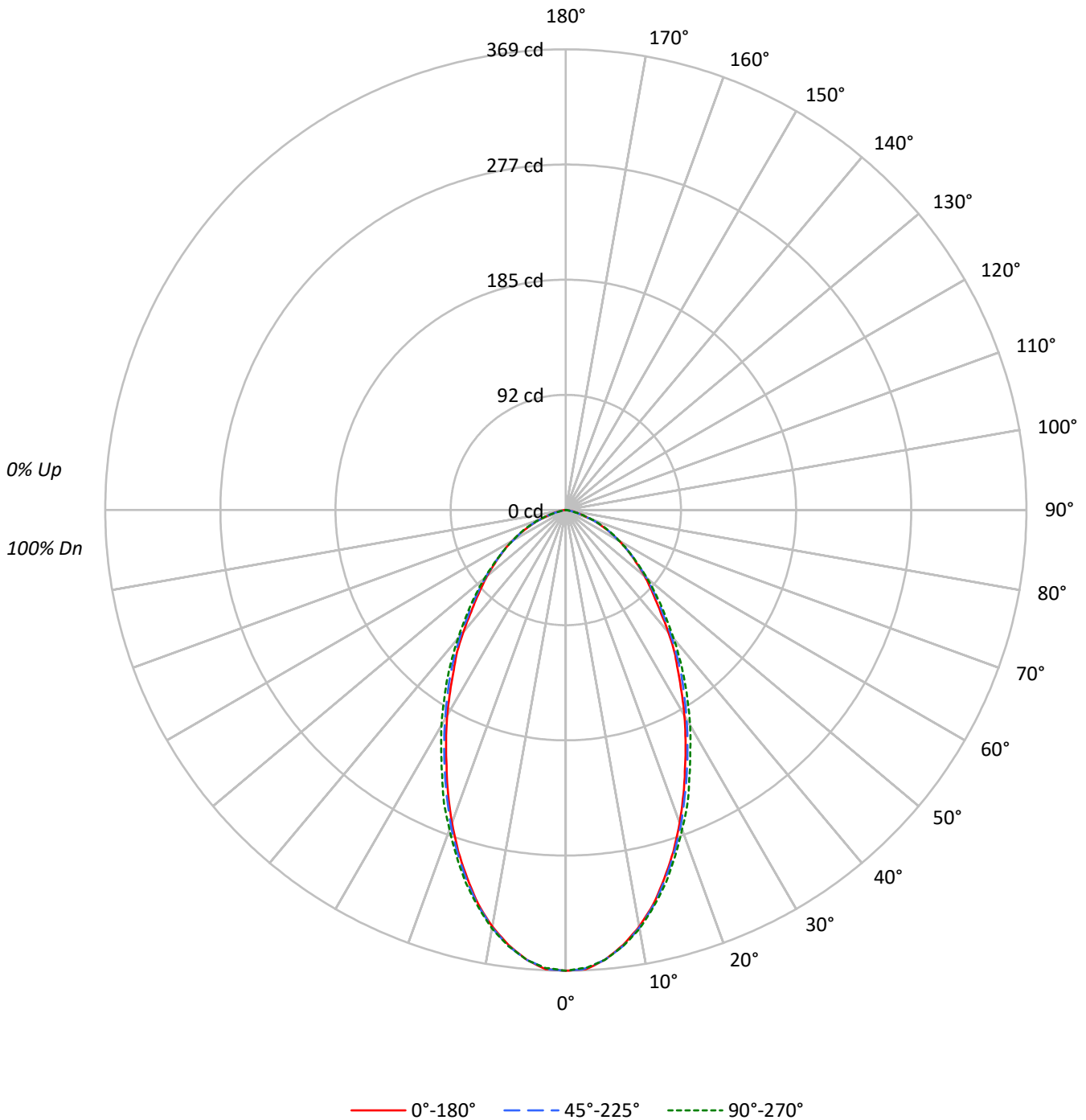
Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART09R70W2N902750DE010 E3CLDWW1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
E3CLDWW1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 514.0 lumens  
Efficiency: N/A  
Efficacy: 57.1 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): 9  
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





TEST NUMBER: P#

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

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 80915 | 80915 | 80915 |
| 5°  | 79573 | 79573 | 79573 |
| 10° | 75438 | 75617 | 75795 |
| 15° | 69263 | 69649 | 70216 |
| 20° | 62189 | 62772 | 63566 |
| 25° | 54705 | 55527 | 56737 |
| 30° | 48109 | 48944 | 50438 |
| 35° | 41867 | 43206 | 44330 |
| 40° | 36583 | 37527 | 38501 |
| 45° | 31538 | 32593 | 33368 |
| 50° | 28110 | 28690 | 28963 |
| 55° | 24735 | 25079 | 25079 |
| 60° | 21753 | 21402 | 21753 |
| 65° | 17901 | 18316 | 18731 |
| 70° | 14041 | 14041 | 14554 |
| 75° | 9235  | 8557  | 8557  |
| 80° | 5304  | 4293  | 3157  |
| 85° | 2013  | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 75°  
 Vertical Angle: 45°  
 Luminance: 33368 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.8   | 6.6       |
| 10°-20°   | 85.7   | 16.7      |
| 20°-30°   | 105.7  | 20.6      |
| 30°-40°   | 100.7  | 19.6      |
| 40°-50°   | 81.5   | 15.9      |
| 50°-60°   | 58.7   | 11.4      |
| 60°-70°   | 35.1   | 6.8       |
| 70°-80°   | 11.8   | 2.3       |
| 80°-90°   | 1.0    | 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°    | 225.2  | 43.8      |
| 0°-40°    | 325.9  | 63.4      |
| 0°-60°    | 466.1  | 90.7      |
| 0°-90°    | 514.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 514.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0°  | 369 | 369   | 369 | 369   | 369 |      |
| 5°  | 362 | 362   | 362 | 362   | 362 | 34   |
| 15° | 305 | 306   | 307 | 308   | 309 | 85   |
| 25° | 226 | 228   | 230 | 233   | 234 | 104  |
| 35° | 156 | 158   | 161 | 164   | 166 | 98   |
| 45° | 102 | 103   | 105 | 107   | 108 | 79   |
| 55° | 65  | 65    | 66  | 66    | 66  | 58   |
| 65° | 34  | 35    | 35  | 36    | 36  | 35   |
| 75° | 11  | 11    | 10  | 10    | 10  | 12   |
| 85° | 1   | 1     | 0   | 0     | 0   | 1    |
| 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°    | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 |
| 2°    | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 367.3 |
| 2.5°  | 368.2 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 368.2 | 367.3 |
| 5°    | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 362.3 | 361.5 | 361.5 |
| 7.5°  | 351.4 | 351.4 | 351.4 | 351.4 | 352.2 | 352.2 | 352.2 | 352.2 | 353.1 | 353.1 | 352.2 |
| 10°   | 338.8 | 338.8 | 338.8 | 338.8 | 339.6 | 339.6 | 340.4 | 339.6 | 339.6 | 340.4 | 340.4 |
| 12.5° | 323.6 | 322.8 | 322.8 | 322.8 | 323.6 | 324.5 | 324.5 | 324.5 | 325.3 | 325.3 | 325.3 |
| 15°   | 305.1 | 305.1 | 305.1 | 306.0 | 306.0 | 306.8 | 307.7 | 307.7 | 308.5 | 308.5 | 309.3 |
| 17.5° | 286.6 | 286.6 | 285.8 | 286.6 | 287.5 | 288.3 | 289.2 | 290.0 | 290.9 | 290.9 | 290.9 |
| 20°   | 266.5 | 265.6 | 266.5 | 267.3 | 268.2 | 269.0 | 269.8 | 271.5 | 272.4 | 272.4 | 272.4 |
| 22.5° | 246.3 | 245.5 | 246.3 | 247.1 | 248.0 | 248.8 | 251.3 | 252.2 | 253.0 | 253.0 | 254.7 |
| 25°   | 226.1 | 226.1 | 227.0 | 227.8 | 228.6 | 229.5 | 231.2 | 232.8 | 233.7 | 234.5 | 234.5 |
| 27.5° | 207.6 | 207.6 | 207.6 | 207.6 | 209.3 | 211.0 | 212.7 | 214.4 | 215.2 | 216.0 | 216.0 |
| 30°   | 190.0 | 189.1 | 189.1 | 190.0 | 191.7 | 193.3 | 195.0 | 196.7 | 197.5 | 198.4 | 199.2 |
| 32.5° | 172.3 | 172.3 | 172.3 | 173.2 | 174.0 | 176.5 | 178.2 | 179.1 | 180.7 | 181.6 | 181.6 |
| 35°   | 156.4 | 156.4 | 156.4 | 158.0 | 159.7 | 161.4 | 162.2 | 163.9 | 165.6 | 165.6 | 165.6 |
| 37.5° | 142.9 | 143.7 | 145.4 | 144.6 | 144.6 | 145.4 | 146.3 | 147.9 | 149.6 | 149.6 | 149.6 |
| 40°   | 127.8 | 128.6 | 129.5 | 128.6 | 129.5 | 131.1 | 132.0 | 132.8 | 133.7 | 134.5 | 134.5 |
| 42.5° | 113.5 | 113.5 | 113.5 | 114.3 | 116.0 | 116.8 | 118.5 | 119.4 | 120.2 | 120.2 | 120.2 |
| 45°   | 101.7 | 101.7 | 102.6 | 103.4 | 104.2 | 105.1 | 105.9 | 106.8 | 107.6 | 107.6 | 107.6 |
| 47.5° | 91.6  | 91.6  | 92.5  | 92.5  | 93.3  | 94.1  | 95.0  | 95.0  | 95.8  | 96.7  | 95.8  |
| 50°   | 82.4  | 82.4  | 82.4  | 83.2  | 83.2  | 84.1  | 84.1  | 84.9  | 84.9  | 84.9  | 84.9  |
| 52.5° | 73.1  | 73.1  | 73.1  | 73.1  | 74.0  | 74.0  | 74.0  | 74.8  | 74.8  | 74.8  | 74.8  |
| 55°   | 64.7  | 64.7  | 64.7  | 64.7  | 64.7  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  |
| 57.5° | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  |
| 60°   | 49.6  | 49.6  | 49.6  | 49.6  | 49.6  | 48.8  | 49.6  | 49.6  | 49.6  | 49.6  | 49.6  |
| 62.5° | 42.0  | 42.0  | 42.0  | 42.0  | 42.0  | 42.0  | 42.0  | 42.9  | 42.9  | 42.9  | 42.9  |
| 65°   | 34.5  | 35.3  | 35.3  | 35.3  | 35.3  | 35.3  | 35.3  | 36.1  | 36.1  | 36.1  | 36.1  |
| 67.5° | 27.7  | 28.6  | 28.6  | 28.6  | 28.6  | 28.6  | 28.6  | 28.6  | 29.4  | 29.4  | 29.4  |
| 70°   | 21.9  | 21.9  | 21.9  | 21.9  | 21.9  | 21.9  | 21.9  | 21.9  | 21.9  | 21.9  | 22.7  |
| 72.5° | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 15.1  | 16.0  | 16.0  | 16.0  |
| 75°   | 10.9  | 10.9  | 10.9  | 10.9  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  | 10.1  |
| 77.5° | 7.6   | 7.6   | 7.6   | 6.7   | 6.7   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 5.0   |
| 80°   | 4.2   | 4.2   | 4.2   | 4.2   | 4.2   | 3.4   | 3.4   | 2.5   | 2.5   | 2.5   | 2.5   |
| 82.5° | 2.5   | 2.5   | 2.5   | 1.7   | 1.7   | 1.7   | 1.7   | 0.8   | 0.8   | 0.8   | 0.8   |
| 85°   | 0.8   | 0.8   | 0.8   | 0.8   | 0.8   | 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)