

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: P3ART17R70W2N902765DE010 E3LSWW1H\_5000K

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 (G1-2509-551-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART17R70W2N902765DE010 E3LSWW1H\_5000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,  
E3LSWW1H TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 614.0 lumens  
Efficiency: N/A  
Efficacy: 31.6 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 19.4  
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: P#  
CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1H\_5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1H\_5000K

**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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1   | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 96  | 97  | 95  | 94  | 94  | 92  | 91  | 91  | 91  | 91  | 89  |
| 2   | 103 | 96  | 91  | 86  | 101 | 95  | 89  | 85  | 91  | 87  | 83  | 88  | 85  | 81  | 85  | 82  | 80  | 80  | 80  | 80  | 78  |
| 3   | 95  | 87  | 80  | 74  | 93  | 85  | 79  | 74  | 82  | 77  | 72  | 80  | 75  | 71  | 77  | 73  | 70  | 70  | 70  | 70  | 68  |
| 4   | 88  | 78  | 70  | 65  | 86  | 77  | 70  | 64  | 74  | 68  | 63  | 72  | 67  | 63  | 70  | 66  | 62  | 62  | 62  | 62  | 60  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 68  | 61  | 56  | 66  | 60  | 56  | 64  | 59  | 55  | 55  | 55  | 55  | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 49  | 49  | 49  | 47  |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 44  | 44  | 44  | 43  |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 40  | 40  | 40  | 39  |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 37  | 37  | 37  | 35  |
| 10  | 59  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 34  | 34  | 34  | 32  |

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

|     | 0°     | 45°    | 90°   | 135°  | 180°  |
|-----|--------|--------|-------|-------|-------|
| 0°  | 67582  | 67582  | 67582 | 67582 | 67582 |
| 5°  | 83183  | 77438  | 65925 | 57891 | 54809 |
| 10° | 101601 | 87240  | 62034 | 48073 | 44199 |
| 15° | 123338 | 95665  | 56527 | 39932 | 35573 |
| 20° | 138169 | 101602 | 50381 | 32506 | 28843 |
| 25° | 147057 | 102804 | 44664 | 26977 | 22743 |
| 30° | 150808 | 99661  | 39247 | 22940 | 19395 |
| 35° | 145919 | 96503  | 34506 | 19568 | 16784 |
| 40° | 133593 | 90713  | 30400 | 17461 | 14942 |
| 45° | 118276 | 75605  | 27011 | 16188 | 13490 |
| 50° | 98010  | 64748  | 23777 | 14840 | 12486 |
| 55° | 73899  | 53943  | 21982 | 13992 | 11316 |
| 60° | 58066  | 40479  | 19867 | 12981 | 9911  |
| 65° | 43377  | 29835  | 17174 | 10844 | 8146  |
| 70° | 27889  | 18978  | 12310 | 7822  | 4488  |
| 75° | 11777  | 10336  | 5931  | 2965  | 1440  |
| 80° | 2147   | 2147   | 0     | 0     | 0     |
| 85° | 0      | 0      | 0     | 0     | 0     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 118276 cd/sqm



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1H\_5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 29.2   | 4.8       |
| 10°-20°   | 84.2   | 13.7      |
| 20°-30°   | 123.1  | 20.0      |
| 30°-40°   | 134.1  | 21.8      |
| 40°-50°   | 116.0  | 18.9      |
| 50°-60°   | 77.7   | 12.7      |
| 60°-70°   | 40.1   | 6.5       |
| 70°-80°   | 9.5    | 1.5       |
| 80°-90°   | 0.1    | 0.0       |
| 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°    | 236.5  | 38.5      |
| 0°-40°    | 370.5  | 60.3      |
| 0°-60°    | 564.3  | 91.9      |
| 0°-90°    | 614.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 614.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 308 | 308 | 308 | 308  | 308  |      |
| 5°  | 378 | 352 | 300 | 263  | 249  | 39   |
| 15° | 543 | 421 | 249 | 176  | 157  | 154  |
| 25° | 608 | 425 | 185 | 112  | 94   | 279  |
| 35° | 545 | 360 | 129 | 73   | 63   | 338  |
| 45° | 381 | 244 | 87  | 52   | 44   | 292  |
| 55° | 193 | 141 | 58  | 37   | 30   | 179  |
| 65° | 84  | 58  | 33  | 21   | 16   | 84   |
| 75° | 14  | 12  | 7   | 4    | 2    | 18   |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    | 0    |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1H\_5000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 |
| 2.5°  | 343.1 | 341.3 | 341.3 | 337.8 | 334.4 | 330.9 | 325.7 | 320.4 | 315.2 | 310.0 | 306.5 |
| 5°    | 377.9 | 379.6 | 377.9 | 370.9 | 362.2 | 351.8 | 341.3 | 329.1 | 316.9 | 306.5 | 299.5 |
| 7.5°  | 418.0 | 418.0 | 412.7 | 404.0 | 391.8 | 374.4 | 357.0 | 336.1 | 316.9 | 299.5 | 290.8 |
| 10°   | 456.3 | 456.3 | 447.6 | 433.6 | 414.5 | 391.8 | 367.4 | 339.6 | 313.5 | 289.1 | 278.6 |
| 12.5° | 503.3 | 501.5 | 491.1 | 468.5 | 440.6 | 407.5 | 374.4 | 339.6 | 308.2 | 278.6 | 264.7 |
| 15°   | 543.3 | 541.6 | 527.7 | 499.8 | 463.2 | 421.4 | 376.2 | 336.1 | 297.8 | 264.7 | 249.0 |
| 17.5° | 572.9 | 569.5 | 553.8 | 524.2 | 482.4 | 430.1 | 377.9 | 329.1 | 285.6 | 249.0 | 233.4 |
| 20°   | 592.1 | 590.4 | 572.9 | 538.1 | 492.8 | 435.4 | 376.2 | 320.4 | 273.4 | 233.4 | 215.9 |
| 22.5° | 604.3 | 600.8 | 583.4 | 545.1 | 492.8 | 433.6 | 369.2 | 308.2 | 257.7 | 217.7 | 200.3 |
| 25°   | 607.8 | 606.0 | 585.1 | 543.3 | 487.6 | 424.9 | 358.7 | 296.0 | 242.1 | 202.0 | 184.6 |
| 26°   | 607.8 | 606.0 | 585.1 | 541.6 | 484.1 | 419.7 | 353.5 | 290.8 | 236.8 | 195.0 | 179.4 |
| 27.5° | 606.0 | 604.3 | 581.6 | 536.4 | 477.2 | 411.0 | 343.1 | 280.4 | 226.4 | 186.3 | 168.9 |
| 30°   | 595.6 | 592.1 | 569.5 | 524.2 | 461.5 | 393.6 | 325.7 | 264.7 | 210.7 | 170.7 | 155.0 |
| 32.5° | 572.9 | 569.5 | 545.1 | 503.3 | 444.1 | 374.4 | 306.5 | 247.3 | 195.0 | 155.0 | 141.1 |
| 35°   | 545.1 | 541.6 | 517.2 | 477.2 | 419.7 | 360.5 | 285.6 | 228.1 | 177.6 | 142.8 | 128.9 |
| 37.5° | 510.2 | 505.0 | 484.1 | 442.3 | 390.1 | 344.8 | 268.2 | 209.0 | 162.0 | 128.9 | 116.7 |
| 40°   | 466.7 | 465.0 | 445.8 | 407.5 | 355.3 | 316.9 | 257.7 | 209.0 | 148.0 | 116.7 | 106.2 |
| 42.5° | 424.9 | 421.4 | 404.0 | 370.9 | 323.9 | 276.9 | 226.4 | 200.3 | 137.6 | 104.5 | 95.8  |
| 45°   | 381.4 | 377.9 | 362.2 | 334.4 | 290.8 | 243.8 | 243.8 | 172.4 | 118.4 | 95.8  | 87.1  |
| 47.5° | 334.4 | 330.9 | 318.7 | 297.8 | 259.5 | 217.7 | 177.6 | 141.1 | 108.0 | 85.3  | 78.4  |
| 50°   | 287.3 | 289.1 | 278.6 | 257.7 | 228.1 | 189.8 | 153.2 | 118.4 | 92.3  | 76.6  | 69.7  |
| 52.5° | 240.3 | 238.6 | 231.6 | 217.7 | 196.8 | 163.7 | 130.6 | 101.0 | 80.1  | 67.9  | 64.4  |
| 55°   | 193.3 | 195.0 | 191.6 | 182.9 | 165.4 | 141.1 | 109.7 | 87.1  | 71.4  | 61.0  | 57.5  |
| 57.5° | 160.2 | 162.0 | 155.0 | 149.8 | 135.8 | 114.9 | 90.6  | 73.1  | 61.0  | 54.0  | 50.5  |
| 60°   | 132.4 | 134.1 | 128.9 | 121.9 | 111.5 | 92.3  | 73.1  | 61.0  | 54.0  | 48.8  | 45.3  |
| 62.5° | 108.0 | 106.2 | 102.7 | 95.8  | 87.1  | 73.1  | 59.2  | 50.5  | 45.3  | 41.8  | 40.1  |
| 65°   | 83.6  | 83.6  | 80.1  | 74.9  | 67.9  | 57.5  | 47.0  | 41.8  | 38.3  | 34.8  | 33.1  |
| 67.5° | 62.7  | 62.7  | 59.2  | 55.7  | 48.8  | 41.8  | 36.6  | 33.1  | 31.3  | 27.9  | 26.1  |
| 70°   | 43.5  | 43.5  | 41.8  | 40.1  | 34.8  | 29.6  | 27.9  | 24.4  | 22.6  | 20.9  | 19.2  |
| 72.5° | 27.9  | 27.9  | 27.9  | 24.4  | 22.6  | 19.2  | 19.2  | 17.4  | 15.7  | 13.9  | 13.9  |
| 75°   | 13.9  | 15.7  | 13.9  | 13.9  | 12.2  | 12.2  | 10.4  | 10.4  | 8.7   | 8.7   | 7.0   |
| 77.5° | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 5.2   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 80°   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 1.7   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 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   |



TEST NUMBER: P#  
 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3LSWW1H\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 |
| 2.5°  | 303.0 | 297.8 | 294.3 | 289.1 | 285.6 | 282.1 | 280.4 | 278.6 | 278.6 | 278.6 |
| 5°    | 294.3 | 285.6 | 276.9 | 268.2 | 263.0 | 257.7 | 252.5 | 250.8 | 249.0 | 249.0 |
| 7.5°  | 283.9 | 269.9 | 257.7 | 247.3 | 238.6 | 233.4 | 228.1 | 224.6 | 222.9 | 222.9 |
| 10°   | 269.9 | 252.5 | 238.6 | 224.6 | 215.9 | 209.0 | 205.5 | 200.3 | 200.3 | 198.5 |
| 12.5° | 254.3 | 233.4 | 217.7 | 205.5 | 196.8 | 188.1 | 182.9 | 179.4 | 177.6 | 177.6 |
| 15°   | 236.8 | 215.9 | 198.5 | 184.6 | 175.9 | 167.2 | 162.0 | 158.5 | 156.7 | 156.7 |
| 17.5° | 219.4 | 196.8 | 179.4 | 165.4 | 156.7 | 148.0 | 142.8 | 139.3 | 139.3 | 137.6 |
| 20°   | 202.0 | 179.4 | 162.0 | 148.0 | 139.3 | 132.4 | 127.1 | 123.6 | 121.9 | 123.6 |
| 22.5° | 186.3 | 163.7 | 146.3 | 134.1 | 123.6 | 116.7 | 111.5 | 109.7 | 108.0 | 108.0 |
| 25°   | 168.9 | 148.0 | 132.4 | 120.2 | 111.5 | 104.5 | 99.3  | 97.5  | 95.8  | 94.0  |
| 26°   | 163.7 | 142.8 | 127.1 | 114.9 | 106.2 | 99.3  | 95.8  | 92.3  | 90.6  | 90.6  |
| 27.5° | 156.7 | 134.1 | 120.2 | 108.0 | 99.3  | 94.0  | 88.8  | 87.1  | 85.3  | 85.3  |
| 30°   | 141.1 | 121.9 | 108.0 | 97.5  | 90.6  | 83.6  | 80.1  | 78.4  | 76.6  | 76.6  |
| 32.5° | 128.9 | 109.7 | 97.5  | 88.8  | 81.8  | 76.6  | 73.1  | 69.7  | 69.7  | 69.7  |
| 35°   | 116.7 | 99.3  | 88.8  | 80.1  | 73.1  | 67.9  | 66.2  | 64.4  | 62.7  | 62.7  |
| 37.5° | 106.2 | 90.6  | 80.1  | 73.1  | 67.9  | 62.7  | 59.2  | 57.5  | 57.5  | 57.5  |
| 40°   | 95.8  | 83.6  | 73.1  | 66.2  | 61.0  | 57.5  | 54.0  | 52.2  | 52.2  | 52.2  |
| 42.5° | 87.1  | 74.9  | 67.9  | 61.0  | 55.7  | 52.2  | 50.5  | 48.8  | 47.0  | 47.0  |
| 45°   | 80.1  | 69.7  | 61.0  | 55.7  | 52.2  | 48.8  | 45.3  | 43.5  | 43.5  | 43.5  |
| 47.5° | 71.4  | 64.4  | 55.7  | 50.5  | 47.0  | 43.5  | 41.8  | 40.1  | 40.1  | 40.1  |
| 50°   | 66.2  | 59.2  | 52.2  | 47.0  | 43.5  | 40.1  | 38.3  | 36.6  | 36.6  | 36.6  |
| 52.5° | 59.2  | 54.0  | 48.8  | 43.5  | 40.1  | 36.6  | 34.8  | 33.1  | 33.1  | 33.1  |
| 55°   | 54.0  | 48.8  | 43.5  | 40.1  | 36.6  | 33.1  | 31.3  | 29.6  | 29.6  | 29.6  |
| 57.5° | 48.8  | 43.5  | 40.1  | 36.6  | 33.1  | 31.3  | 27.9  | 27.9  | 26.1  | 26.1  |
| 60°   | 43.5  | 38.3  | 34.8  | 33.1  | 29.6  | 27.9  | 24.4  | 22.6  | 22.6  | 22.6  |
| 62.5° | 36.6  | 34.8  | 31.3  | 27.9  | 24.4  | 22.6  | 20.9  | 19.2  | 19.2  | 19.2  |
| 65°   | 31.3  | 29.6  | 26.1  | 22.6  | 20.9  | 19.2  | 17.4  | 15.7  | 15.7  | 15.7  |
| 67.5° | 26.1  | 22.6  | 20.9  | 19.2  | 17.4  | 15.7  | 13.9  | 12.2  | 10.4  | 12.2  |
| 70°   | 19.2  | 17.4  | 15.7  | 13.9  | 12.2  | 10.4  | 8.7   | 8.7   | 7.0   | 7.0   |
| 72.5° | 12.2  | 10.4  | 10.4  | 8.7   | 7.0   | 7.0   | 5.2   | 5.2   | 3.5   | 3.5   |
| 75°   | 7.0   | 7.0   | 5.2   | 5.2   | 3.5   | 3.5   | 1.7   | 1.7   | 1.7   | 1.7   |
| 77.5° | 3.5   | 1.7   | 1.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 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   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)