

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: P3ART17R709835DE010 E3CLDWW1MB

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: P3ART17R709835DE010 E3CLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

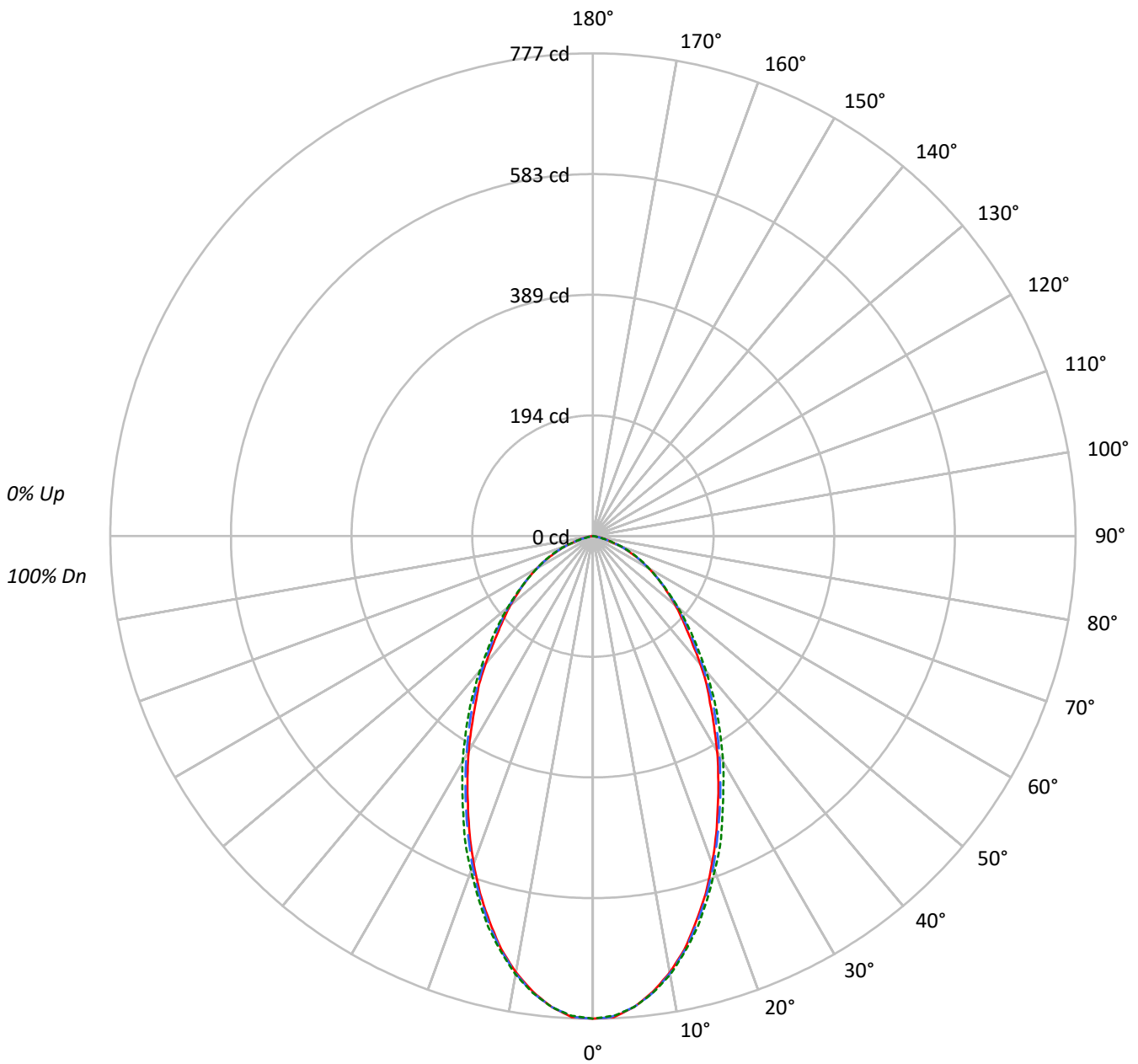
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1082.0 lumens
Efficiency: N/A
Efficacy: 53.0 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): 20.4
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: P3ART17R709835DE010 E3CLDWW1MB

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 | 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° | 170337 | 170337 | 170337 |
| 5° | 167488 | 167488 | 167488 |
| 10° | 158781 | 159182 | 159583 |
| 15° | 145812 | 146630 | 147833 |
| 20° | 130888 | 132148 | 133782 |
| 25° | 115168 | 116886 | 119450 |
| 30° | 101256 | 103054 | 106194 |
| 35° | 88098 | 90962 | 93318 |
| 40° | 77001 | 79005 | 81038 |
| 45° | 66394 | 68596 | 70240 |
| 50° | 59154 | 60382 | 60962 |
| 55° | 52108 | 52758 | 52758 |
| 60° | 45786 | 44996 | 45786 |
| 65° | 37669 | 38551 | 39485 |
| 70° | 29492 | 29492 | 30646 |
| 75° | 19486 | 17961 | 17961 |
| 80° | 11113 | 8966 | 6693 |
| 85° | 4529 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 70240 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.2 | 6.6 |
| 10°-20° | 180.4 | 16.7 |
| 20°-30° | 222.5 | 20.6 |
| 30°-40° | 212.0 | 19.6 |
| 40°-50° | 171.5 | 15.9 |
| 50°-60° | 123.5 | 11.4 |
| 60°-70° | 74.0 | 6.8 |
| 70°-80° | 24.8 | 2.3 |
| 80°-90° | 2.1 | 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° | 474.1 | 43.8 |
| 0°-40° | 686.1 | 63.4 |
| 0°-60° | 981.1 | 90.7 |
| 0°-90° | 1082.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1082.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 777 | 777 | 777 | 777 | 777 | |
| 5° | 761 | 761 | 761 | 761 | 761 | 71 |
| 15° | 642 | 644 | 646 | 648 | 651 | 179 |
| 25° | 476 | 479 | 483 | 491 | 494 | 219 |
| 35° | 329 | 332 | 340 | 346 | 349 | 207 |
| 45° | 214 | 217 | 221 | 225 | 226 | 167 |
| 55° | 136 | 136 | 138 | 138 | 138 | 123 |
| 65° | 73 | 74 | 74 | 76 | 76 | 73 |
| 75° | 23 | 23 | 21 | 21 | 21 | 26 |
| 85° | 2 | 2 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 776.8 | 776.8 | 776.8 | 776.8 | 776.8 | 776.8 | 776.8 | 776.8 | 776.8 | 776.8 | 776.8 |
| 2° | 775.1 | 775.1 | 775.1 | 775.1 | 775.1 | 775.1 | 775.1 | 775.1 | 775.1 | 775.1 | 773.3 |
| 2.5° | 775.1 | 773.3 | 773.3 | 773.3 | 773.3 | 773.3 | 773.3 | 773.3 | 773.3 | 775.1 | 773.3 |
| 5° | 760.9 | 760.9 | 760.9 | 760.9 | 760.9 | 760.9 | 760.9 | 760.9 | 762.7 | 760.9 | 760.9 |
| 7.5° | 739.7 | 739.7 | 739.7 | 739.7 | 741.4 | 741.4 | 741.4 | 741.4 | 743.2 | 743.2 | 741.4 |
| 10° | 713.1 | 713.1 | 713.1 | 713.1 | 714.9 | 714.9 | 716.7 | 714.9 | 714.9 | 716.7 | 716.7 |
| 12.5° | 681.3 | 679.5 | 679.5 | 679.5 | 681.3 | 683.0 | 683.0 | 683.0 | 684.8 | 684.8 | 684.8 |
| 15° | 642.3 | 642.3 | 642.3 | 644.1 | 644.1 | 645.9 | 647.6 | 647.6 | 649.4 | 649.4 | 651.2 |
| 17.5° | 603.4 | 603.4 | 601.6 | 603.4 | 605.2 | 607.0 | 608.7 | 610.5 | 612.3 | 612.3 | 612.3 |
| 20° | 560.9 | 559.2 | 560.9 | 562.7 | 564.5 | 566.3 | 568.0 | 571.6 | 573.3 | 573.3 | 573.3 |
| 22.5° | 518.5 | 516.7 | 518.5 | 520.2 | 522.0 | 523.8 | 529.1 | 530.9 | 532.6 | 532.6 | 536.2 |
| 25° | 476.0 | 476.0 | 477.8 | 479.5 | 481.3 | 483.1 | 486.6 | 490.2 | 491.9 | 493.7 | 493.7 |
| 27.5° | 437.1 | 437.1 | 437.1 | 437.1 | 440.6 | 444.2 | 447.7 | 451.2 | 453.0 | 454.8 | 454.8 |
| 30° | 399.9 | 398.1 | 398.1 | 399.9 | 403.5 | 407.0 | 410.5 | 414.1 | 415.8 | 417.6 | 419.4 |
| 32.5° | 362.8 | 362.8 | 362.8 | 364.5 | 366.3 | 371.6 | 375.1 | 376.9 | 380.4 | 382.2 | 382.2 |
| 35° | 329.1 | 329.1 | 329.1 | 332.7 | 336.2 | 339.8 | 341.5 | 345.1 | 348.6 | 348.6 | 348.6 |
| 37.5° | 300.8 | 302.6 | 306.1 | 304.4 | 304.4 | 306.1 | 307.9 | 311.4 | 315.0 | 315.0 | 315.0 |
| 40° | 269.0 | 270.7 | 272.5 | 270.7 | 272.5 | 276.0 | 277.8 | 279.6 | 281.4 | 283.1 | 283.1 |
| 42.5° | 238.9 | 238.9 | 238.9 | 240.7 | 244.2 | 246.0 | 249.5 | 251.3 | 253.0 | 253.0 | 253.0 |
| 45° | 214.1 | 214.1 | 215.9 | 217.7 | 219.4 | 221.2 | 223.0 | 224.7 | 226.5 | 226.5 | 226.5 |
| 47.5° | 192.9 | 192.9 | 194.6 | 194.6 | 196.4 | 198.2 | 200.0 | 200.0 | 201.7 | 203.5 | 201.7 |
| 50° | 173.4 | 173.4 | 173.4 | 175.2 | 175.2 | 177.0 | 177.0 | 178.7 | 178.7 | 178.7 | 178.7 |
| 52.5° | 153.9 | 153.9 | 153.9 | 153.9 | 155.7 | 155.7 | 155.7 | 157.5 | 157.5 | 157.5 | 157.5 |
| 55° | 136.3 | 136.3 | 136.3 | 136.3 | 136.3 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 |
| 57.5° | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 | 120.3 |
| 60° | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 | 102.6 | 104.4 | 104.4 | 104.4 | 104.4 | 104.4 |
| 62.5° | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 90.2 | 90.2 | 90.2 | 90.2 |
| 65° | 72.6 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 76.1 | 76.1 | 76.1 | 76.1 |
| 67.5° | 58.4 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 61.9 | 61.9 | 61.9 |
| 70° | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 47.8 |
| 72.5° | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 33.6 | 33.6 | 33.6 |
| 75° | 23.0 | 23.0 | 23.0 | 23.0 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 77.5° | 15.9 | 15.9 | 15.9 | 14.2 | 14.2 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 10.6 |
| 80° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 7.1 | 7.1 | 5.3 | 5.3 | 5.3 | 5.3 |
| 82.5° | 5.3 | 5.3 | 5.3 | 3.5 | 3.5 | 3.5 | 3.5 | 1.8 | 1.8 | 1.8 | 1.8 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 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)