

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: P1446314

Luminaire Tested: P3ART13R709727DE010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446314
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: P3ART13R709727DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

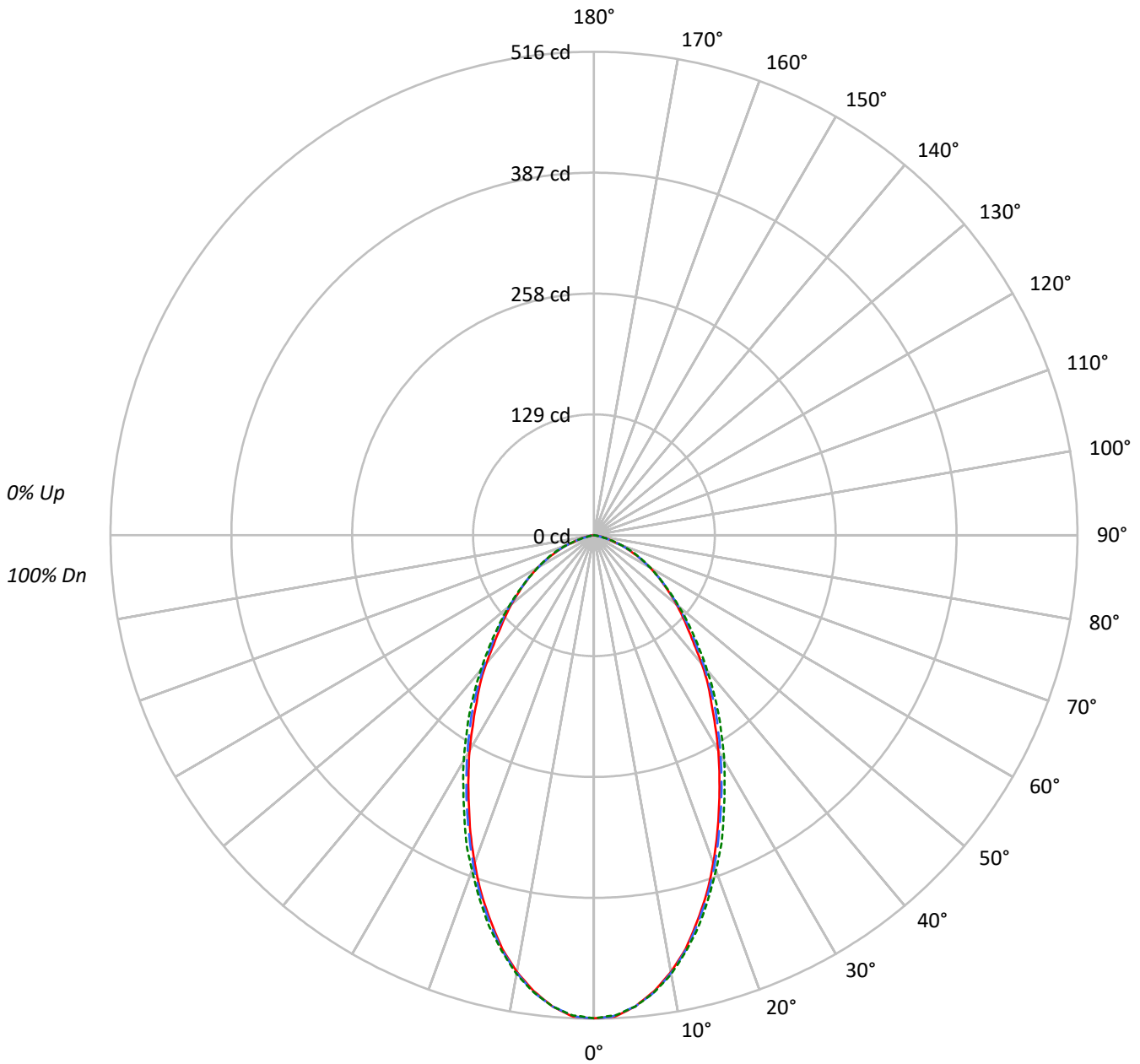
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 718.0 lumens
Efficiency: N/A
Efficacy: 49.2 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

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Luminous Intensity Polar Plot



0% Up
100% Dn

— 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 | 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° | 113039 | 113039 | 113039 |
| 5° | 111138 | 111138 | 111138 |
| 10° | 105364 | 105632 | 105899 |
| 15° | 96754 | 97299 | 98094 |
| 20° | 86854 | 87694 | 88791 |
| 25° | 76432 | 77569 | 79263 |
| 30° | 67200 | 68390 | 70467 |
| 35° | 58464 | 60365 | 61917 |
| 40° | 51096 | 52441 | 53786 |
| 45° | 44067 | 45524 | 46609 |
| 50° | 39265 | 40050 | 40459 |
| 55° | 34560 | 35019 | 35019 |
| 60° | 30392 | 29866 | 30392 |
| 65° | 24957 | 25580 | 26203 |
| 70° | 19555 | 19555 | 20324 |
| 75° | 12963 | 11946 | 11946 |
| 80° | 7450 | 5935 | 4420 |
| 85° | 3019 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 46609 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 47.2 | 6.6 |
| 10°-20° | 119.7 | 16.7 |
| 20°-30° | 147.6 | 20.6 |
| 30°-40° | 140.7 | 19.6 |
| 40°-50° | 113.8 | 15.9 |
| 50°-60° | 82.0 | 11.4 |
| 60°-70° | 49.1 | 6.8 |
| 70°-80° | 16.4 | 2.3 |
| 80°-90° | 1.4 | 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° | 314.6 | 43.8 |
| 0°-40° | 455.3 | 63.4 |
| 0°-60° | 651.1 | 90.7 |
| 0°-90° | 718.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 718.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 516 | 516 | 516 | 516 | 516 | |
| 5° | 505 | 505 | 505 | 505 | 505 | 47 |
| 15° | 426 | 427 | 429 | 430 | 432 | 119 |
| 25° | 316 | 318 | 321 | 326 | 328 | 145 |
| 35° | 218 | 220 | 226 | 230 | 231 | 137 |
| 45° | 142 | 144 | 147 | 149 | 150 | 111 |
| 55° | 90 | 90 | 92 | 92 | 92 | 81 |
| 65° | 48 | 49 | 49 | 50 | 50 | 48 |
| 75° | 15 | 15 | 14 | 14 | 14 | 17 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446314
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 |
| 2° | 514.3 | 514.3 | 514.3 | 514.3 | 514.3 | 514.3 | 514.3 | 514.3 | 514.3 | 514.3 | 513.1 |
| 2.5° | 514.3 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 513.1 | 514.3 | 513.1 |
| 5° | 504.9 | 504.9 | 504.9 | 504.9 | 504.9 | 504.9 | 504.9 | 504.9 | 506.1 | 504.9 | 504.9 |
| 7.5° | 490.8 | 490.8 | 490.8 | 490.8 | 492.0 | 492.0 | 492.0 | 492.0 | 493.2 | 493.2 | 492.0 |
| 10° | 473.2 | 473.2 | 473.2 | 473.2 | 474.4 | 474.4 | 475.6 | 474.4 | 474.4 | 475.6 | 475.6 |
| 12.5° | 452.1 | 450.9 | 450.9 | 450.9 | 452.1 | 453.3 | 453.3 | 453.3 | 454.4 | 454.4 | 454.4 |
| 15° | 426.2 | 426.2 | 426.2 | 427.4 | 427.4 | 428.6 | 429.8 | 429.8 | 430.9 | 430.9 | 432.1 |
| 17.5° | 400.4 | 400.4 | 399.2 | 400.4 | 401.6 | 402.8 | 403.9 | 405.1 | 406.3 | 406.3 | 406.3 |
| 20° | 372.2 | 371.1 | 372.2 | 373.4 | 374.6 | 375.8 | 376.9 | 379.3 | 380.5 | 380.5 | 380.5 |
| 22.5° | 344.1 | 342.9 | 344.1 | 345.2 | 346.4 | 347.6 | 351.1 | 352.3 | 353.4 | 353.4 | 355.8 |
| 25° | 315.9 | 315.9 | 317.0 | 318.2 | 319.4 | 320.6 | 322.9 | 325.3 | 326.4 | 327.6 | 327.6 |
| 27.5° | 290.0 | 290.0 | 290.0 | 290.0 | 292.4 | 294.7 | 297.1 | 299.4 | 300.6 | 301.8 | 301.8 |
| 30° | 265.4 | 264.2 | 264.2 | 265.4 | 267.7 | 270.1 | 272.4 | 274.8 | 275.9 | 277.1 | 278.3 |
| 32.5° | 240.7 | 240.7 | 240.7 | 241.9 | 243.1 | 246.6 | 248.9 | 250.1 | 252.5 | 253.6 | 253.6 |
| 35° | 218.4 | 218.4 | 218.4 | 220.8 | 223.1 | 225.5 | 226.6 | 229.0 | 231.3 | 231.3 | 231.3 |
| 37.5° | 199.6 | 200.8 | 203.1 | 202.0 | 202.0 | 203.1 | 204.3 | 206.7 | 209.0 | 209.0 | 209.0 |
| 40° | 178.5 | 179.7 | 180.8 | 179.7 | 180.8 | 183.2 | 184.4 | 185.5 | 186.7 | 187.9 | 187.9 |
| 42.5° | 158.5 | 158.5 | 158.5 | 159.7 | 162.0 | 163.2 | 165.6 | 166.7 | 167.9 | 167.9 | 167.9 |
| 45° | 142.1 | 142.1 | 143.3 | 144.4 | 145.6 | 146.8 | 148.0 | 149.1 | 150.3 | 150.3 | 150.3 |
| 47.5° | 128.0 | 128.0 | 129.2 | 129.2 | 130.3 | 131.5 | 132.7 | 132.7 | 133.9 | 135.0 | 133.9 |
| 50° | 115.1 | 115.1 | 115.1 | 116.2 | 116.2 | 117.4 | 117.4 | 118.6 | 118.6 | 118.6 | 118.6 |
| 52.5° | 102.2 | 102.2 | 102.2 | 102.2 | 103.3 | 103.3 | 103.3 | 104.5 | 104.5 | 104.5 | 104.5 |
| 55° | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 57.5° | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 60° | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 68.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 62.5° | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 59.9 | 59.9 | 59.9 | 59.9 |
| 65° | 48.1 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 50.5 | 50.5 | 50.5 | 50.5 |
| 67.5° | 38.7 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 41.1 | 41.1 | 41.1 |
| 70° | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 31.7 |
| 72.5° | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 22.3 | 22.3 | 22.3 |
| 75° | 15.3 | 15.3 | 15.3 | 15.3 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 77.5° | 10.6 | 10.6 | 10.6 | 9.4 | 9.4 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 7.0 |
| 80° | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 4.7 | 4.7 | 3.5 | 3.5 | 3.5 | 3.5 |
| 82.5° | 3.5 | 3.5 | 3.5 | 2.3 | 2.3 | 2.3 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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)