

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: P1446222

Luminaire Tested: P3ART17R709050DE010 E3LDWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446222
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: P3ART17R709050DE010 E3LDWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

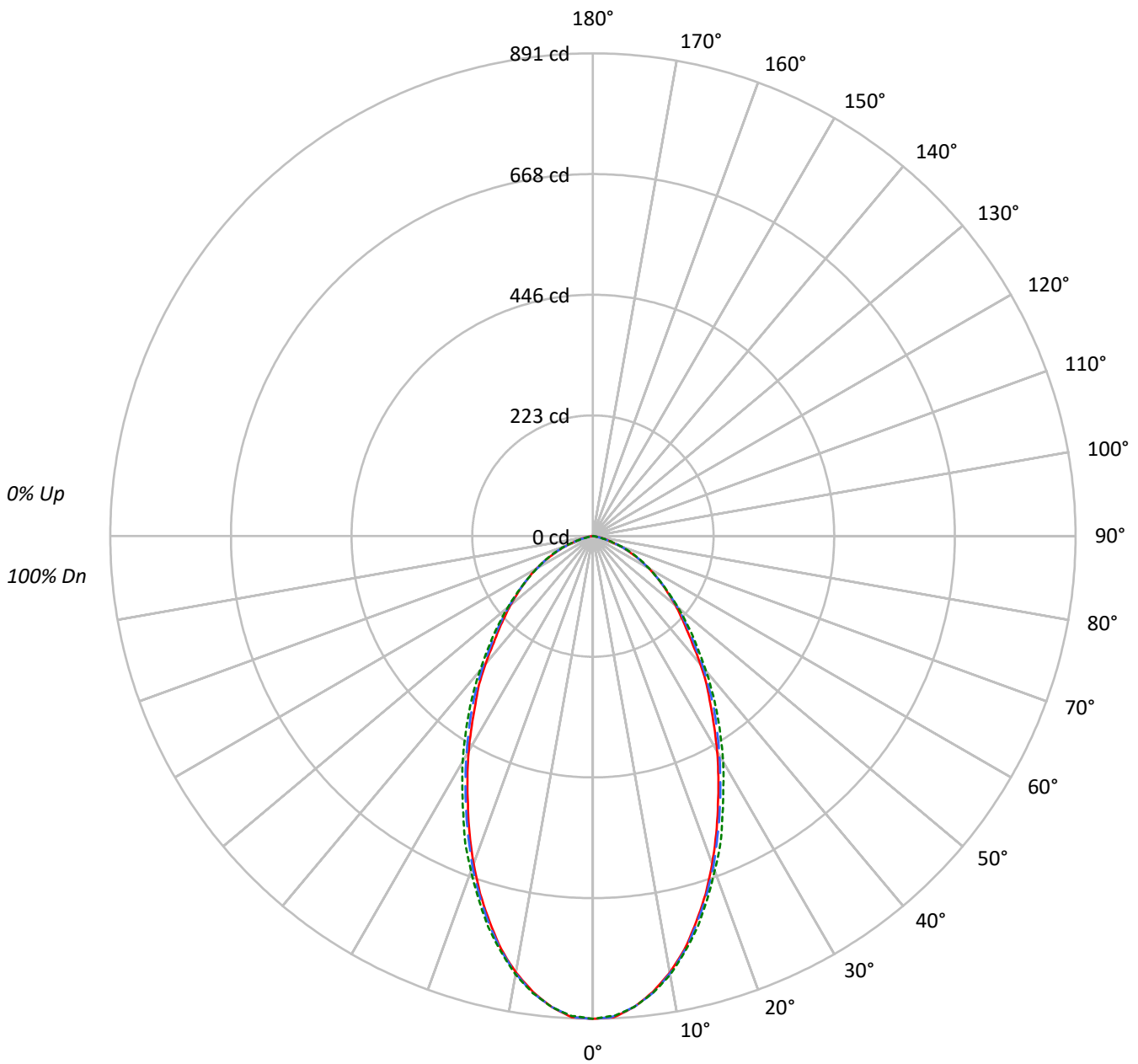
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1241.0 lumens
Efficiency: N/A
Efficacy: 58.5 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): 21.2
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: P1446222
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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 | 100 | 100 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | 89 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 | 78 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 | 69 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 | 61 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 | 55 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | 50 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 | 45 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | 41 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 | 38 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 | 35 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 195379 | 195379 | 195379 |
| 5° | 192097 | 192097 | 192097 |
| 10° | 182116 | 182562 | 183029 |
| 15° | 167243 | 168173 | 169558 |
| 20° | 150140 | 151563 | 153453 |
| 25° | 132104 | 134064 | 136992 |
| 30° | 116144 | 118195 | 121791 |
| 35° | 101054 | 104320 | 107023 |
| 40° | 88308 | 90627 | 92946 |
| 45° | 76163 | 78675 | 80567 |
| 50° | 67853 | 69251 | 69934 |
| 55° | 59754 | 60519 | 60519 |
| 60° | 52496 | 51619 | 52496 |
| 65° | 43169 | 44207 | 45297 |
| 70° | 33852 | 33852 | 35134 |
| 75° | 22367 | 20673 | 20673 |
| 80° | 12754 | 10229 | 7703 |
| 85° | 5032 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 80567 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 81.6 | 6.6 |
| 10°-20° | 206.9 | 16.7 |
| 20°-30° | 255.2 | 20.6 |
| 30°-40° | 243.2 | 19.6 |
| 40°-50° | 196.7 | 15.9 |
| 50°-60° | 141.7 | 11.4 |
| 60°-70° | 84.8 | 6.8 |
| 70°-80° | 28.4 | 2.3 |
| 80°-90° | 2.4 | 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° | 543.7 | 43.8 |
| 0°-40° | 786.9 | 63.4 |
| 0°-60° | 1125.3 | 90.7 |
| 0°-90° | 1241.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1241.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 891 | 891 | 891 | 891 | 891 | |
| 5° | 873 | 873 | 873 | 873 | 873 | 82 |
| 15° | 737 | 738 | 741 | 743 | 747 | 206 |
| 25° | 546 | 550 | 554 | 563 | 566 | 251 |
| 35° | 378 | 381 | 390 | 397 | 400 | 237 |
| 45° | 246 | 249 | 254 | 258 | 260 | 191 |
| 55° | 156 | 156 | 158 | 158 | 158 | 141 |
| 65° | 83 | 85 | 85 | 87 | 87 | 83 |
| 75° | 26 | 26 | 24 | 24 | 24 | 30 |
| 85° | 2 | 2 | 0 | 0 | 0 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446222

CATALOG NUMBER: P3ART17R709050DE010 E3LDWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 | 891.0 |
| 2° | 889.0 | 889.0 | 889.0 | 889.0 | 889.0 | 889.0 | 889.0 | 889.0 | 889.0 | 889.0 | 886.9 |
| 2.5° | 889.0 | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 886.9 | 889.0 | 886.9 |
| 5° | 872.7 | 872.7 | 872.7 | 872.7 | 872.7 | 872.7 | 872.7 | 872.7 | 874.7 | 872.7 | 872.7 |
| 7.5° | 848.4 | 848.4 | 848.4 | 848.4 | 850.4 | 850.4 | 850.4 | 850.4 | 852.4 | 852.4 | 850.4 |
| 10° | 817.9 | 817.9 | 817.9 | 817.9 | 819.9 | 819.9 | 822.0 | 819.9 | 819.9 | 822.0 | 822.0 |
| 12.5° | 781.4 | 779.4 | 779.4 | 779.4 | 781.4 | 783.4 | 783.4 | 783.4 | 785.4 | 785.4 | 785.4 |
| 15° | 736.7 | 736.7 | 736.7 | 738.8 | 738.8 | 740.8 | 742.8 | 742.8 | 744.9 | 744.9 | 746.9 |
| 17.5° | 692.1 | 692.1 | 690.1 | 692.1 | 694.1 | 696.1 | 698.2 | 700.2 | 702.2 | 702.2 | 702.2 |
| 20° | 643.4 | 641.3 | 643.4 | 645.4 | 647.4 | 649.5 | 651.5 | 655.6 | 657.6 | 657.6 | 657.6 |
| 22.5° | 594.7 | 592.6 | 594.7 | 596.7 | 598.7 | 600.8 | 606.8 | 608.9 | 610.9 | 610.9 | 615.0 |
| 25° | 546.0 | 546.0 | 548.0 | 550.0 | 552.0 | 554.1 | 558.1 | 562.2 | 564.2 | 566.2 | 566.2 |
| 27.5° | 501.3 | 501.3 | 501.3 | 501.3 | 505.4 | 509.4 | 513.5 | 517.5 | 519.6 | 521.6 | 521.6 |
| 30° | 458.7 | 456.7 | 456.7 | 458.7 | 462.7 | 466.8 | 470.9 | 474.9 | 476.9 | 479.0 | 481.0 |
| 32.5° | 416.1 | 416.1 | 416.1 | 418.1 | 420.1 | 426.2 | 430.3 | 432.3 | 436.4 | 438.4 | 438.4 |
| 35° | 377.5 | 377.5 | 377.5 | 381.6 | 385.6 | 389.7 | 391.7 | 395.8 | 399.8 | 399.8 | 399.8 |
| 37.5° | 345.0 | 347.1 | 351.1 | 349.1 | 349.1 | 351.1 | 353.1 | 357.2 | 361.3 | 361.3 | 361.3 |
| 40° | 308.5 | 310.5 | 312.6 | 310.5 | 312.6 | 316.6 | 318.6 | 320.7 | 322.7 | 324.7 | 324.7 |
| 42.5° | 274.0 | 274.0 | 274.0 | 276.0 | 280.1 | 282.1 | 286.2 | 288.2 | 290.2 | 290.2 | 290.2 |
| 45° | 245.6 | 245.6 | 247.6 | 249.6 | 251.7 | 253.7 | 255.7 | 257.8 | 259.8 | 259.8 | 259.8 |
| 47.5° | 221.2 | 221.2 | 223.3 | 223.3 | 225.3 | 227.3 | 229.3 | 229.3 | 231.4 | 233.4 | 231.4 |
| 50° | 198.9 | 198.9 | 198.9 | 200.9 | 200.9 | 203.0 | 203.0 | 205.0 | 205.0 | 205.0 | 205.0 |
| 52.5° | 176.6 | 176.6 | 176.6 | 176.6 | 178.6 | 178.6 | 178.6 | 180.6 | 180.6 | 180.6 | 180.6 |
| 55° | 156.3 | 156.3 | 156.3 | 156.3 | 156.3 | 158.3 | 158.3 | 158.3 | 158.3 | 158.3 | 158.3 |
| 57.5° | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 | 138.0 |
| 60° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 117.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 62.5° | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 101.5 | 103.5 | 103.5 | 103.5 | 103.5 |
| 65° | 83.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 87.3 | 87.3 | 87.3 | 87.3 |
| 67.5° | 67.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 71.0 | 71.0 | 71.0 |
| 70° | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 54.8 |
| 72.5° | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 38.6 | 38.6 | 38.6 |
| 75° | 26.4 | 26.4 | 26.4 | 26.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 |
| 77.5° | 18.3 | 18.3 | 18.3 | 16.2 | 16.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 12.2 |
| 80° | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 8.1 | 8.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 82.5° | 6.1 | 6.1 | 6.1 | 4.1 | 4.1 | 4.1 | 4.1 | 2.0 | 2.0 | 2.0 | 2.0 |
| 85° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 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 |

(END OF REPORT)