

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: P1445784

Luminaire Tested: P3ART09R709027DE010 E3LDWW1WMH

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445784
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: P3ART09R709027DE010 E3LDWW1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LDWW1WMH TRIM
Light Source: -
Ballast/Driver: -

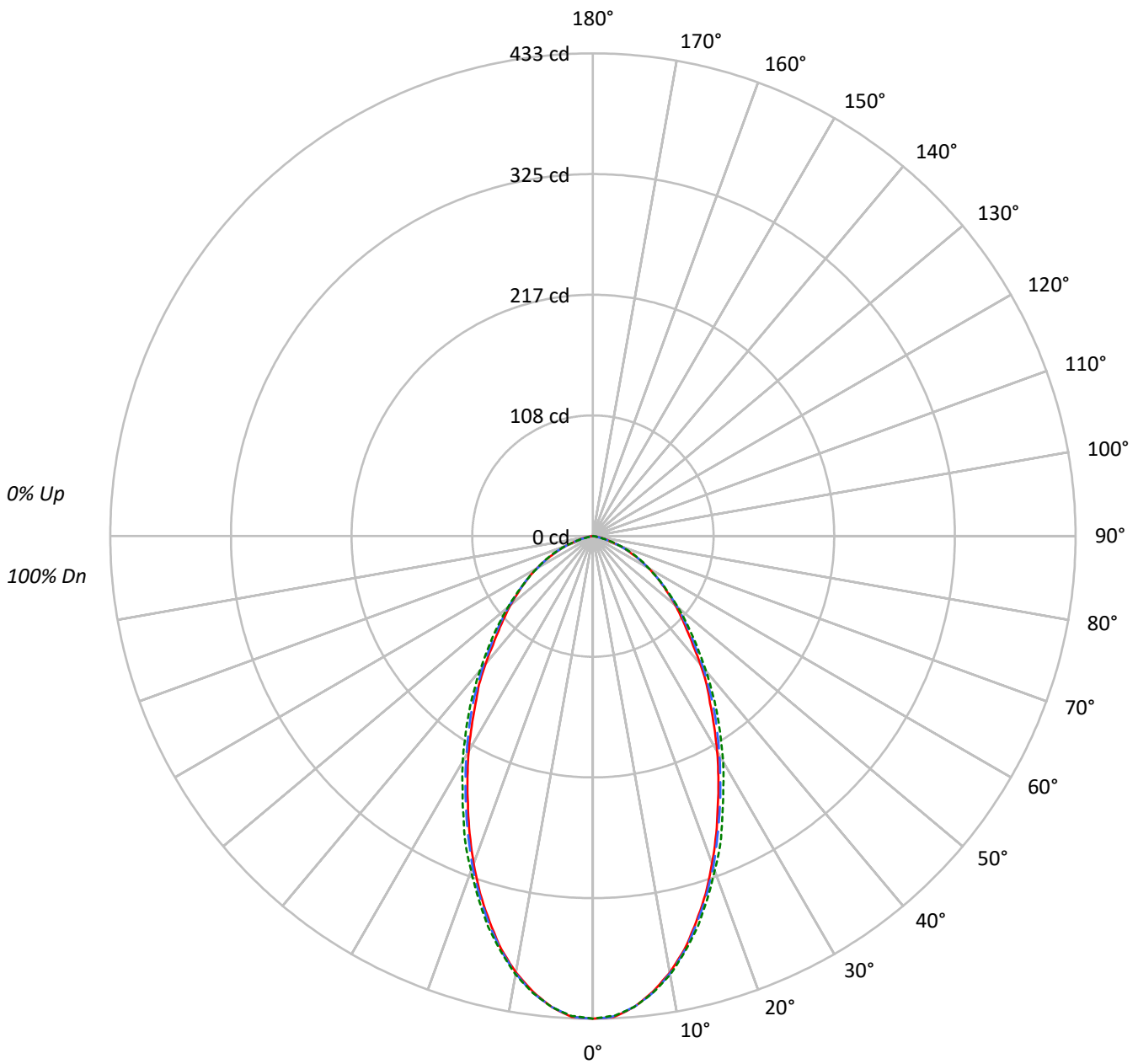
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 603.0 lumens
Efficiency: N/A
Efficacy: 54.3 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): 11.1
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: P1445784
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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 | 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 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 80 | 80 | 80 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 71 | 71 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 57 | 57 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 51 | 51 | 51 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 47 | 47 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 43 | 43 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 40 | 40 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 37 | 37 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 94927 | 94927 | 94927 |
| 5° | 93352 | 93352 | 93352 |
| 10° | 88486 | 88709 | 88932 |
| 15° | 81272 | 81703 | 82384 |
| 20° | 72946 | 73646 | 74556 |
| 25° | 64189 | 65133 | 66560 |
| 30° | 56439 | 57427 | 59174 |
| 35° | 49095 | 50674 | 52013 |
| 40° | 42909 | 44025 | 45170 |
| 45° | 36996 | 38237 | 39136 |
| 50° | 32954 | 33636 | 33978 |
| 55° | 29017 | 29399 | 29399 |
| 60° | 25524 | 25086 | 25524 |
| 65° | 20962 | 21481 | 22000 |
| 70° | 16413 | 16413 | 17054 |
| 75° | 10845 | 9997 | 9997 |
| 80° | 6188 | 4925 | 3788 |
| 85° | 2516 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 39136 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.7 | 6.6 |
| 10°-20° | 100.5 | 16.7 |
| 20°-30° | 124.0 | 20.6 |
| 30°-40° | 118.2 | 19.6 |
| 40°-50° | 95.6 | 15.9 |
| 50°-60° | 68.9 | 11.4 |
| 60°-70° | 41.2 | 6.8 |
| 70°-80° | 13.8 | 2.3 |
| 80°-90° | 1.2 | 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° | 264.2 | 43.8 |
| 0°-40° | 382.3 | 63.4 |
| 0°-60° | 546.8 | 90.7 |
| 0°-90° | 603.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 603.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 433 | 433 | 433 | 433 | 433 | |
| 5° | 424 | 424 | 424 | 424 | 424 | 40 |
| 15° | 358 | 359 | 360 | 361 | 363 | 100 |
| 25° | 265 | 267 | 269 | 273 | 275 | 122 |
| 35° | 183 | 185 | 189 | 193 | 194 | 115 |
| 45° | 119 | 121 | 123 | 125 | 126 | 93 |
| 55° | 76 | 76 | 77 | 77 | 77 | 68 |
| 65° | 40 | 41 | 41 | 42 | 42 | 41 |
| 75° | 13 | 13 | 12 | 12 | 12 | 14 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445784
 CATALOG NUMBER: P3ART09R709027DE010 E3LDWW1WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 432.9 | 432.9 | 432.9 | 432.9 | 432.9 | 432.9 | 432.9 | 432.9 | 432.9 | 432.9 | 432.9 |
| 2° | 431.9 | 431.9 | 431.9 | 431.9 | 431.9 | 431.9 | 431.9 | 431.9 | 431.9 | 431.9 | 431.0 |
| 2.5° | 431.9 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.0 | 431.9 | 431.0 |
| 5° | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 424.1 | 425.0 | 424.1 | 424.1 |
| 7.5° | 412.2 | 412.2 | 412.2 | 412.2 | 413.2 | 413.2 | 413.2 | 413.2 | 414.2 | 414.2 | 413.2 |
| 10° | 397.4 | 397.4 | 397.4 | 397.4 | 398.4 | 398.4 | 399.4 | 398.4 | 398.4 | 399.4 | 399.4 |
| 12.5° | 379.7 | 378.7 | 378.7 | 378.7 | 379.7 | 380.7 | 380.7 | 380.7 | 381.6 | 381.6 | 381.6 |
| 15° | 358.0 | 358.0 | 358.0 | 359.0 | 359.0 | 359.9 | 360.9 | 360.9 | 361.9 | 361.9 | 362.9 |
| 17.5° | 336.3 | 336.3 | 335.3 | 336.3 | 337.3 | 338.3 | 339.2 | 340.2 | 341.2 | 341.2 | 341.2 |
| 20° | 312.6 | 311.6 | 312.6 | 313.6 | 314.6 | 315.6 | 316.6 | 318.5 | 319.5 | 319.5 | 319.5 |
| 22.5° | 288.9 | 288.0 | 288.9 | 289.9 | 290.9 | 291.9 | 294.9 | 295.8 | 296.8 | 296.8 | 298.8 |
| 25° | 265.3 | 265.3 | 266.3 | 267.3 | 268.2 | 269.2 | 271.2 | 273.2 | 274.2 | 275.1 | 275.1 |
| 27.5° | 243.6 | 243.6 | 243.6 | 243.6 | 245.6 | 247.5 | 249.5 | 251.5 | 252.5 | 253.4 | 253.4 |
| 30° | 222.9 | 221.9 | 221.9 | 222.9 | 224.8 | 226.8 | 228.8 | 230.8 | 231.7 | 232.7 | 233.7 |
| 32.5° | 202.2 | 202.2 | 202.2 | 203.1 | 204.1 | 207.1 | 209.1 | 210.1 | 212.0 | 213.0 | 213.0 |
| 35° | 183.4 | 183.4 | 183.4 | 185.4 | 187.4 | 189.3 | 190.3 | 192.3 | 194.3 | 194.3 | 194.3 |
| 37.5° | 167.6 | 168.6 | 170.6 | 169.6 | 169.6 | 170.6 | 171.6 | 173.6 | 175.5 | 175.5 | 175.5 |
| 40° | 149.9 | 150.9 | 151.9 | 150.9 | 151.9 | 153.8 | 154.8 | 155.8 | 156.8 | 157.8 | 157.8 |
| 42.5° | 133.1 | 133.1 | 133.1 | 134.1 | 136.1 | 137.1 | 139.0 | 140.0 | 141.0 | 141.0 | 141.0 |
| 45° | 119.3 | 119.3 | 120.3 | 121.3 | 122.3 | 123.3 | 124.3 | 125.2 | 126.2 | 126.2 | 126.2 |
| 47.5° | 107.5 | 107.5 | 108.5 | 108.5 | 109.5 | 110.5 | 111.4 | 111.4 | 112.4 | 113.4 | 112.4 |
| 50° | 96.6 | 96.6 | 96.6 | 97.6 | 97.6 | 98.6 | 98.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 52.5° | 85.8 | 85.8 | 85.8 | 85.8 | 86.8 | 86.8 | 86.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 55° | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 57.5° | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 60° | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 57.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 62.5° | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 65° | 40.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| 67.5° | 32.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 34.5 | 34.5 | 34.5 |
| 70° | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 26.6 |
| 72.5° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 18.7 | 18.7 | 18.7 |
| 75° | 12.8 | 12.8 | 12.8 | 12.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 77.5° | 8.9 | 8.9 | 8.9 | 7.9 | 7.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 5.9 |
| 80° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 3.9 | 3.9 | 3.0 | 3.0 | 3.0 | 3.0 |
| 82.5° | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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)