

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: P1267270

Luminaire Tested: P3A09R709735DE010 E3LDWW1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R709735DE010 E3LDWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

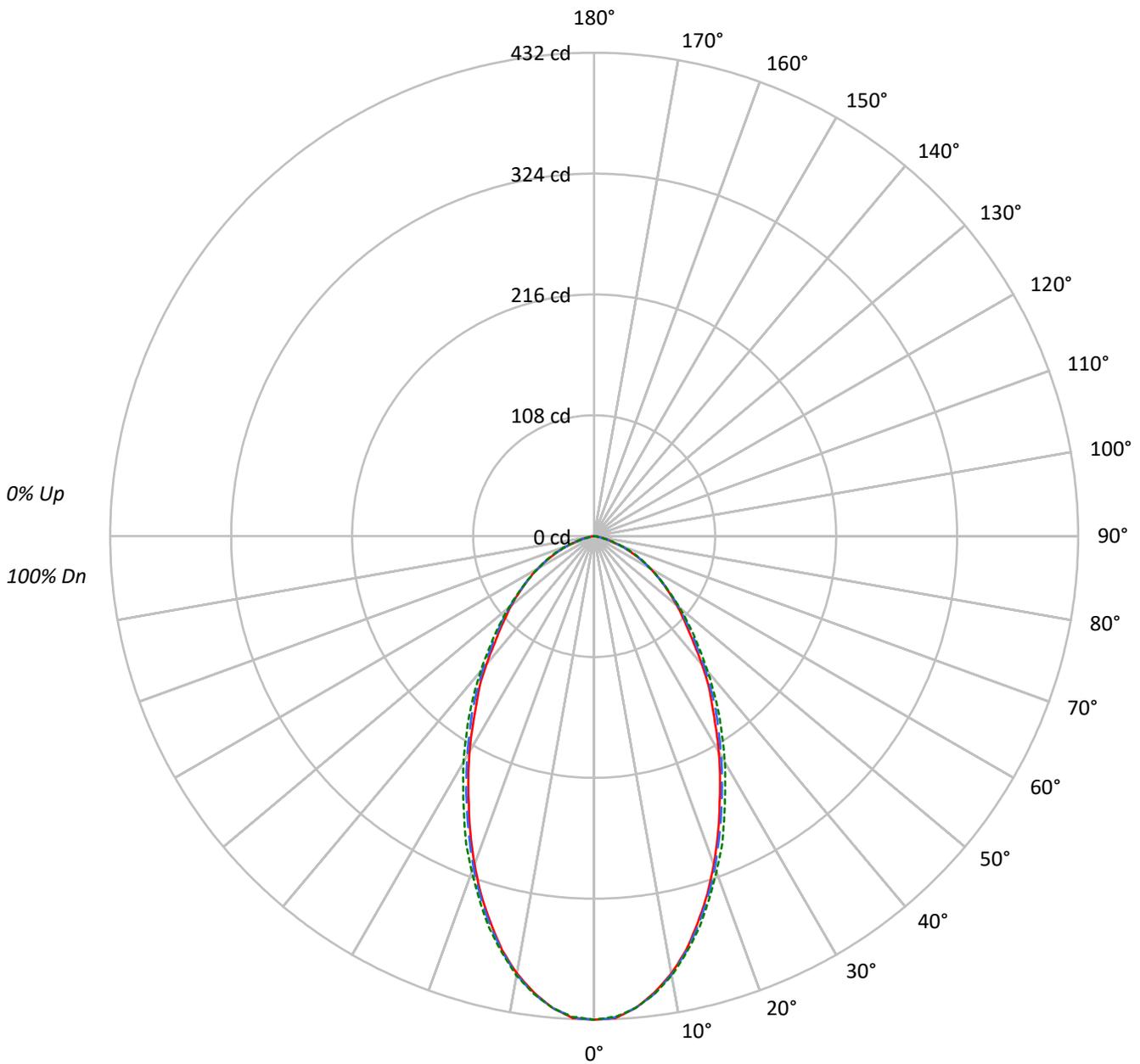
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 602.0 lumens
Efficiency: N/A
Efficacy: 54.2 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): 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

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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 | 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° | 94773 | 94773 | 94773 |
| 5° | 93176 | 93176 | 93176 |
| 10° | 88353 | 88553 | 88776 |
| 15° | 81136 | 81590 | 82248 |
| 20° | 72830 | 73506 | 74440 |
| 25° | 64068 | 65036 | 66464 |
| 30° | 56338 | 57325 | 59072 |
| 35° | 49014 | 50594 | 51932 |
| 40° | 42823 | 43968 | 45084 |
| 45° | 36934 | 38175 | 39074 |
| 50° | 32920 | 33602 | 33909 |
| 55° | 28979 | 29361 | 29361 |
| 60° | 25480 | 25042 | 25480 |
| 65° | 20962 | 21481 | 21948 |
| 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: 39074 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.6 | 6.6 |
| 10°-20° | 100.4 | 16.7 |
| 20°-30° | 123.8 | 20.6 |
| 30°-40° | 118.0 | 19.6 |
| 40°-50° | 95.4 | 15.9 |
| 50°-60° | 68.7 | 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° | 263.8 | 43.8 |
| 0°-40° | 381.7 | 63.4 |
| 0°-60° | 545.9 | 90.7 |
| 0°-90° | 602.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 602.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 432 | 432 | 432 | 432 | 432 | |
| 5° | 423 | 423 | 423 | 424 | 423 | 40 |
| 15° | 357 | 358 | 359 | 361 | 362 | 100 |
| 25° | 265 | 267 | 269 | 273 | 275 | 122 |
| 35° | 183 | 185 | 189 | 192 | 194 | 115 |
| 45° | 119 | 121 | 123 | 125 | 126 | 93 |
| 55° | 76 | 76 | 77 | 77 | 77 | 68 |
| 65° | 40 | 41 | 41 | 42 | 42 | 40 |
| 75° | 13 | 13 | 12 | 12 | 12 | 14 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1267270
 CATALOG NUMBER: P3A09R709735DE010 E3LDWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 | 432.2 |
| 2° | 431.2 | 431.2 | 431.2 | 431.2 | 431.2 | 431.2 | 431.2 | 431.2 | 431.2 | 431.2 | 430.2 |
| 2.5° | 431.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 430.2 | 431.2 | 430.2 |
| 5° | 423.3 | 423.3 | 423.3 | 423.3 | 423.3 | 423.3 | 423.3 | 423.3 | 424.3 | 423.3 | 423.3 |
| 7.5° | 411.5 | 411.5 | 411.5 | 411.5 | 412.5 | 412.5 | 412.5 | 412.5 | 413.5 | 413.5 | 412.5 |
| 10° | 396.8 | 396.8 | 396.8 | 396.8 | 397.7 | 397.7 | 398.7 | 397.7 | 397.7 | 398.7 | 398.7 |
| 12.5° | 379.0 | 378.1 | 378.1 | 378.1 | 379.0 | 380.0 | 380.0 | 380.0 | 381.0 | 381.0 | 381.0 |
| 15° | 357.4 | 357.4 | 357.4 | 358.4 | 358.4 | 359.4 | 360.3 | 360.3 | 361.3 | 361.3 | 362.3 |
| 17.5° | 335.7 | 335.7 | 334.7 | 335.7 | 336.7 | 337.7 | 338.7 | 339.7 | 340.6 | 340.6 | 340.6 |
| 20° | 312.1 | 311.1 | 312.1 | 313.1 | 314.1 | 315.0 | 316.0 | 318.0 | 319.0 | 319.0 | 319.0 |
| 22.5° | 288.5 | 287.5 | 288.5 | 289.5 | 290.4 | 291.4 | 294.4 | 295.4 | 296.3 | 296.3 | 298.3 |
| 25° | 264.8 | 264.8 | 265.8 | 266.8 | 267.8 | 268.8 | 270.7 | 272.7 | 273.7 | 274.7 | 274.7 |
| 27.5° | 243.2 | 243.2 | 243.2 | 243.2 | 245.1 | 247.1 | 249.1 | 251.1 | 252.0 | 253.0 | 253.0 |
| 30° | 222.5 | 221.5 | 221.5 | 222.5 | 224.5 | 226.4 | 228.4 | 230.4 | 231.4 | 232.3 | 233.3 |
| 32.5° | 201.8 | 201.8 | 201.8 | 202.8 | 203.8 | 206.8 | 208.7 | 209.7 | 211.7 | 212.7 | 212.7 |
| 35° | 183.1 | 183.1 | 183.1 | 185.1 | 187.1 | 189.0 | 190.0 | 192.0 | 194.0 | 194.0 | 194.0 |
| 37.5° | 167.4 | 168.4 | 170.3 | 169.3 | 169.3 | 170.3 | 171.3 | 173.3 | 175.2 | 175.2 | 175.2 |
| 40° | 149.6 | 150.6 | 151.6 | 150.6 | 151.6 | 153.6 | 154.6 | 155.6 | 156.5 | 157.5 | 157.5 |
| 42.5° | 132.9 | 132.9 | 132.9 | 133.9 | 135.9 | 136.8 | 138.8 | 139.8 | 140.8 | 140.8 | 140.8 |
| 45° | 119.1 | 119.1 | 120.1 | 121.1 | 122.1 | 123.1 | 124.1 | 125.0 | 126.0 | 126.0 | 126.0 |
| 47.5° | 107.3 | 107.3 | 108.3 | 108.3 | 109.3 | 110.3 | 111.3 | 111.3 | 112.2 | 113.2 | 112.2 |
| 50° | 96.5 | 96.5 | 96.5 | 97.5 | 97.5 | 98.5 | 98.5 | 99.4 | 99.4 | 99.4 | 99.4 |
| 52.5° | 85.7 | 85.7 | 85.7 | 85.7 | 86.6 | 86.6 | 86.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 55° | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 57.5° | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| 60° | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 57.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| 62.5° | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| 65° | 40.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 42.3 | 42.3 | 42.3 | 42.3 |
| 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° | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 17.7 | 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)