

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: P1446820

Luminaire Tested: P3ART09R709740DE010 E3LDWW1H

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446820
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: P3ART09R709740DE010 E3LDWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

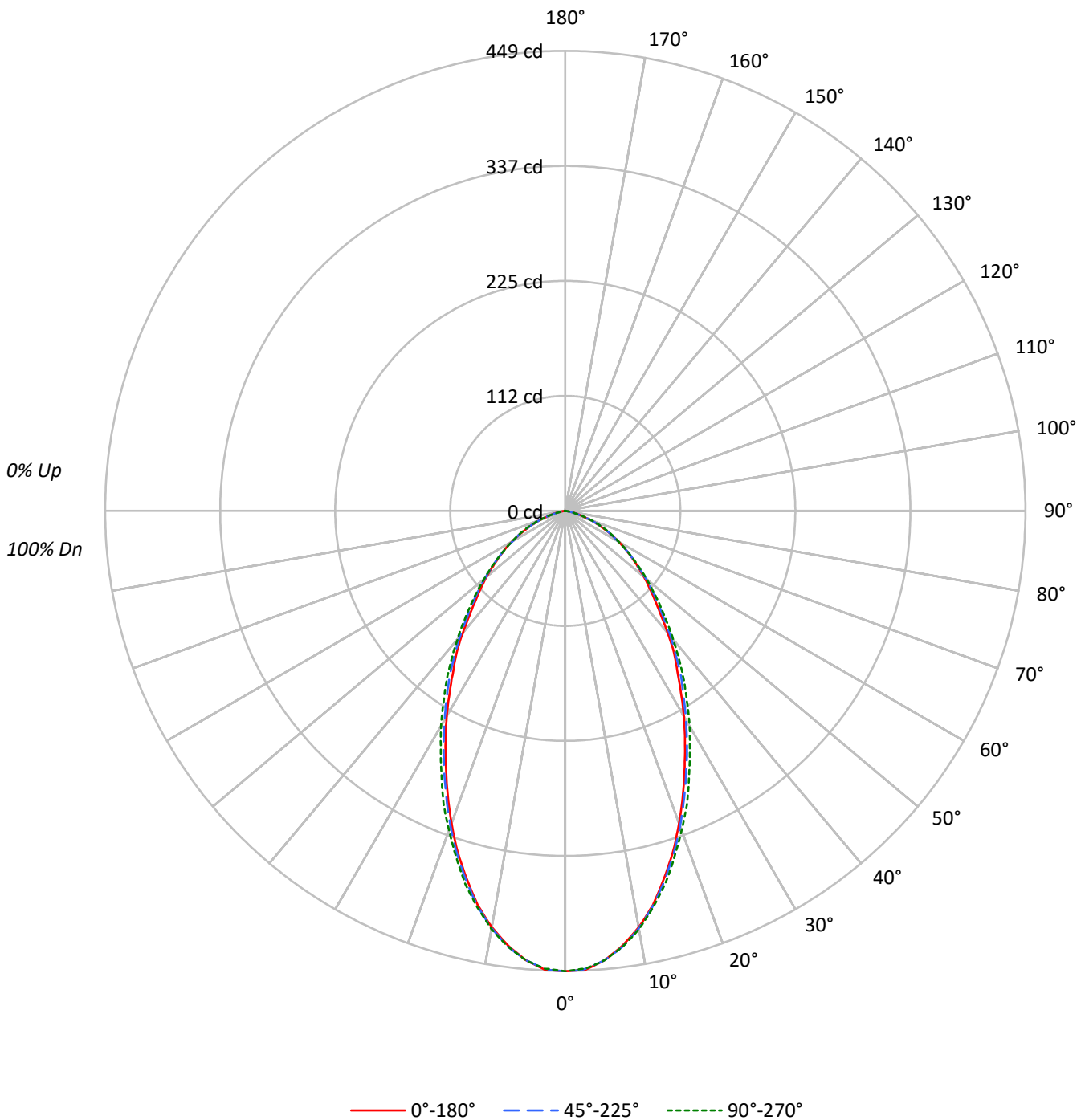
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 626.0 lumens
Efficiency: N/A
Efficacy: 56.4 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





TEST NUMBER: P1446820
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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° | 98545 | 98545 | 98545 |
| 5° | 96896 | 96896 | 96896 |
| 10° | 91871 | 92094 | 92316 |
| 15° | 84359 | 84836 | 85540 |
| 20° | 75723 | 76447 | 77403 |
| 25° | 66633 | 67625 | 69101 |
| 30° | 58591 | 59629 | 61427 |
| 35° | 50969 | 52628 | 53994 |
| 40° | 44541 | 45714 | 46888 |
| 45° | 38423 | 39694 | 40624 |
| 50° | 34216 | 34933 | 35274 |
| 55° | 30126 | 30546 | 30546 |
| 60° | 26489 | 26051 | 26489 |
| 65° | 21792 | 22311 | 22830 |
| 70° | 17054 | 17054 | 17695 |
| 75° | 11268 | 10421 | 10421 |
| 80° | 6440 | 5177 | 3915 |
| 85° | 2516 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 40624 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 41.2 | 6.6 |
| 10°-20° | 104.4 | 16.7 |
| 20°-30° | 128.7 | 20.6 |
| 30°-40° | 122.7 | 19.6 |
| 40°-50° | 99.2 | 15.9 |
| 50°-60° | 71.5 | 11.4 |
| 60°-70° | 42.8 | 6.8 |
| 70°-80° | 14.3 | 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° | 274.3 | 43.8 |
| 0°-40° | 396.9 | 63.4 |
| 0°-60° | 567.6 | 90.7 |
| 0°-90° | 626.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 626.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 449 | 449 | 449 | 449 | 449 | |
| 5° | 440 | 440 | 440 | 440 | 440 | 41 |
| 15° | 372 | 372 | 374 | 375 | 377 | 104 |
| 25° | 275 | 277 | 280 | 284 | 286 | 127 |
| 35° | 190 | 192 | 197 | 200 | 202 | 120 |
| 45° | 124 | 126 | 128 | 130 | 131 | 97 |
| 55° | 79 | 79 | 80 | 80 | 80 | 71 |
| 65° | 42 | 43 | 43 | 44 | 44 | 42 |
| 75° | 13 | 13 | 12 | 12 | 12 | 15 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446820
 CATALOG NUMBER: P3ART09R709740DE010 E3LDWW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 |
| 2° | 448.4 | 448.4 | 448.4 | 448.4 | 448.4 | 448.4 | 448.4 | 448.4 | 448.4 | 448.4 | 447.4 |
| 2.5° | 448.4 | 447.4 | 447.4 | 447.4 | 447.4 | 447.4 | 447.4 | 447.4 | 447.4 | 448.4 | 447.4 |
| 5° | 440.2 | 440.2 | 440.2 | 440.2 | 440.2 | 440.2 | 440.2 | 440.2 | 441.2 | 440.2 | 440.2 |
| 7.5° | 427.9 | 427.9 | 427.9 | 427.9 | 429.0 | 429.0 | 429.0 | 429.0 | 430.0 | 430.0 | 429.0 |
| 10° | 412.6 | 412.6 | 412.6 | 412.6 | 413.6 | 413.6 | 414.6 | 413.6 | 413.6 | 414.6 | 414.6 |
| 12.5° | 394.2 | 393.1 | 393.1 | 393.1 | 394.2 | 395.2 | 395.2 | 395.2 | 396.2 | 396.2 | 396.2 |
| 15° | 371.6 | 371.6 | 371.6 | 372.7 | 372.7 | 373.7 | 374.7 | 374.7 | 375.7 | 375.7 | 376.8 |
| 17.5° | 349.1 | 349.1 | 348.1 | 349.1 | 350.1 | 351.2 | 352.2 | 353.2 | 354.2 | 354.2 | 354.2 |
| 20° | 324.5 | 323.5 | 324.5 | 325.6 | 326.6 | 327.6 | 328.6 | 330.7 | 331.7 | 331.7 | 331.7 |
| 22.5° | 300.0 | 298.9 | 300.0 | 301.0 | 302.0 | 303.0 | 306.1 | 307.1 | 308.2 | 308.2 | 310.2 |
| 25° | 275.4 | 275.4 | 276.4 | 277.4 | 278.5 | 279.5 | 281.5 | 283.6 | 284.6 | 285.6 | 285.6 |
| 27.5° | 252.9 | 252.9 | 252.9 | 252.9 | 254.9 | 257.0 | 259.0 | 261.1 | 262.1 | 263.1 | 263.1 |
| 30° | 231.4 | 230.4 | 230.4 | 231.4 | 233.4 | 235.5 | 237.5 | 239.6 | 240.6 | 241.6 | 242.6 |
| 32.5° | 209.9 | 209.9 | 209.9 | 210.9 | 211.9 | 215.0 | 217.0 | 218.1 | 220.1 | 221.1 | 221.1 |
| 35° | 190.4 | 190.4 | 190.4 | 192.5 | 194.5 | 196.6 | 197.6 | 199.6 | 201.7 | 201.7 | 201.7 |
| 37.5° | 174.0 | 175.1 | 177.1 | 176.1 | 176.1 | 177.1 | 178.1 | 180.2 | 182.2 | 182.2 | 182.2 |
| 40° | 155.6 | 156.6 | 157.7 | 156.6 | 157.7 | 159.7 | 160.7 | 161.8 | 162.8 | 163.8 | 163.8 |
| 42.5° | 138.2 | 138.2 | 138.2 | 139.2 | 141.3 | 142.3 | 144.4 | 145.4 | 146.4 | 146.4 | 146.4 |
| 45° | 123.9 | 123.9 | 124.9 | 125.9 | 126.9 | 128.0 | 129.0 | 130.0 | 131.0 | 131.0 | 131.0 |
| 47.5° | 111.6 | 111.6 | 112.6 | 112.6 | 113.6 | 114.7 | 115.7 | 115.7 | 116.7 | 117.7 | 116.7 |
| 50° | 100.3 | 100.3 | 100.3 | 101.4 | 101.4 | 102.4 | 102.4 | 103.4 | 103.4 | 103.4 | 103.4 |
| 52.5° | 89.1 | 89.1 | 89.1 | 89.1 | 90.1 | 90.1 | 90.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 55° | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| 57.5° | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| 60° | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 59.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| 62.5° | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 65° | 42.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| 67.5° | 33.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 35.8 | 35.8 | 35.8 |
| 70° | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 27.6 |
| 72.5° | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 18.4 | 19.5 | 19.5 | 19.5 |
| 75° | 13.3 | 13.3 | 13.3 | 13.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| 77.5° | 9.2 | 9.2 | 9.2 | 8.2 | 8.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 6.1 |
| 80° | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 4.1 | 4.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 82.5° | 3.1 | 3.1 | 3.1 | 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)