

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: P#

Luminaire Tested: P3ART09R70W2N902765DE010 E3LDWW1H_3000K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART09R70W2N902765DE010 E3LDWW1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

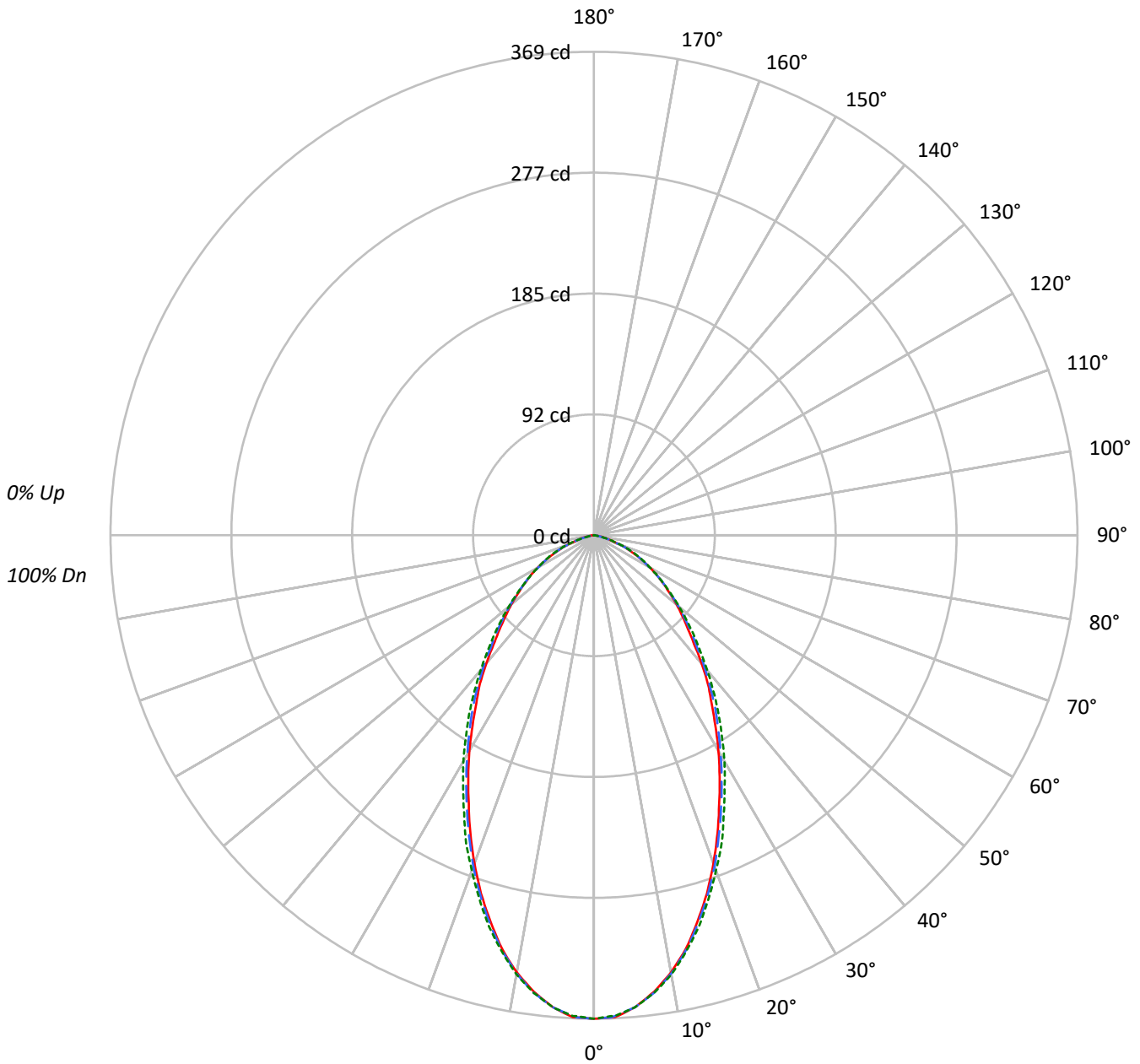
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 514.0 lumens
Efficiency: N/A
Efficacy: 57.1 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): 9
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: P#
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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 80915 | 80915 | 80915 |
| 5° | 79573 | 79573 | 79573 |
| 10° | 75438 | 75617 | 75795 |
| 15° | 69263 | 69649 | 70216 |
| 20° | 62189 | 62772 | 63566 |
| 25° | 54705 | 55527 | 56737 |
| 30° | 48109 | 48944 | 50438 |
| 35° | 41867 | 43206 | 44330 |
| 40° | 36583 | 37527 | 38501 |
| 45° | 31538 | 32593 | 33368 |
| 50° | 28110 | 28690 | 28963 |
| 55° | 24735 | 25079 | 25079 |
| 60° | 21753 | 21402 | 21753 |
| 65° | 17901 | 18316 | 18731 |
| 70° | 14041 | 14041 | 14554 |
| 75° | 9235 | 8557 | 8557 |
| 80° | 5304 | 4293 | 3157 |
| 85° | 2013 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 33368 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 33.8 | 6.6 |
| 10°-20° | 85.7 | 16.7 |
| 20°-30° | 105.7 | 20.6 |
| 30°-40° | 100.7 | 19.6 |
| 40°-50° | 81.5 | 15.9 |
| 50°-60° | 58.7 | 11.4 |
| 60°-70° | 35.1 | 6.8 |
| 70°-80° | 11.8 | 2.3 |
| 80°-90° | 1.0 | 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° | 225.2 | 43.8 |
| 0°-40° | 325.9 | 63.4 |
| 0°-60° | 466.1 | 90.7 |
| 0°-90° | 514.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 514.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 369 | 369 | 369 | 369 | 369 | |
| 5° | 362 | 362 | 362 | 362 | 362 | 34 |
| 15° | 305 | 306 | 307 | 308 | 309 | 85 |
| 25° | 226 | 228 | 230 | 233 | 234 | 104 |
| 35° | 156 | 158 | 161 | 164 | 166 | 98 |
| 45° | 102 | 103 | 105 | 107 | 108 | 79 |
| 55° | 65 | 65 | 66 | 66 | 66 | 58 |
| 65° | 34 | 35 | 35 | 36 | 36 | 35 |
| 75° | 11 | 11 | 10 | 10 | 10 | 12 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70W2N902765DE010 E3LDWW1H_3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 | 369.0 |
| 2° | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 368.2 | 367.3 |
| 2.5° | 368.2 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 367.3 | 368.2 | 367.3 |
| 5° | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 361.5 | 362.3 | 361.5 | 361.5 |
| 7.5° | 351.4 | 351.4 | 351.4 | 351.4 | 352.2 | 352.2 | 352.2 | 352.2 | 353.1 | 353.1 | 352.2 |
| 10° | 338.8 | 338.8 | 338.8 | 338.8 | 339.6 | 339.6 | 340.4 | 339.6 | 339.6 | 340.4 | 340.4 |
| 12.5° | 323.6 | 322.8 | 322.8 | 322.8 | 323.6 | 324.5 | 324.5 | 324.5 | 325.3 | 325.3 | 325.3 |
| 15° | 305.1 | 305.1 | 305.1 | 306.0 | 306.0 | 306.8 | 307.7 | 307.7 | 308.5 | 308.5 | 309.3 |
| 17.5° | 286.6 | 286.6 | 285.8 | 286.6 | 287.5 | 288.3 | 289.2 | 290.0 | 290.9 | 290.9 | 290.9 |
| 20° | 266.5 | 265.6 | 266.5 | 267.3 | 268.2 | 269.0 | 269.8 | 271.5 | 272.4 | 272.4 | 272.4 |
| 22.5° | 246.3 | 245.5 | 246.3 | 247.1 | 248.0 | 248.8 | 251.3 | 252.2 | 253.0 | 253.0 | 254.7 |
| 25° | 226.1 | 226.1 | 227.0 | 227.8 | 228.6 | 229.5 | 231.2 | 232.8 | 233.7 | 234.5 | 234.5 |
| 27.5° | 207.6 | 207.6 | 207.6 | 207.6 | 209.3 | 211.0 | 212.7 | 214.4 | 215.2 | 216.0 | 216.0 |
| 30° | 190.0 | 189.1 | 189.1 | 190.0 | 191.7 | 193.3 | 195.0 | 196.7 | 197.5 | 198.4 | 199.2 |
| 32.5° | 172.3 | 172.3 | 172.3 | 173.2 | 174.0 | 176.5 | 178.2 | 179.1 | 180.7 | 181.6 | 181.6 |
| 35° | 156.4 | 156.4 | 156.4 | 158.0 | 159.7 | 161.4 | 162.2 | 163.9 | 165.6 | 165.6 | 165.6 |
| 37.5° | 142.9 | 143.7 | 145.4 | 144.6 | 144.6 | 145.4 | 146.3 | 147.9 | 149.6 | 149.6 | 149.6 |
| 40° | 127.8 | 128.6 | 129.5 | 128.6 | 129.5 | 131.1 | 132.0 | 132.8 | 133.7 | 134.5 | 134.5 |
| 42.5° | 113.5 | 113.5 | 113.5 | 114.3 | 116.0 | 116.8 | 118.5 | 119.4 | 120.2 | 120.2 | 120.2 |
| 45° | 101.7 | 101.7 | 102.6 | 103.4 | 104.2 | 105.1 | 105.9 | 106.8 | 107.6 | 107.6 | 107.6 |
| 47.5° | 91.6 | 91.6 | 92.5 | 92.5 | 93.3 | 94.1 | 95.0 | 95.0 | 95.8 | 96.7 | 95.8 |
| 50° | 82.4 | 82.4 | 82.4 | 83.2 | 83.2 | 84.1 | 84.1 | 84.9 | 84.9 | 84.9 | 84.9 |
| 52.5° | 73.1 | 73.1 | 73.1 | 73.1 | 74.0 | 74.0 | 74.0 | 74.8 | 74.8 | 74.8 | 74.8 |
| 55° | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 57.5° | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 60° | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 48.8 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 62.5° | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.9 | 42.9 | 42.9 | 42.9 |
| 65° | 34.5 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 36.1 | 36.1 | 36.1 | 36.1 |
| 67.5° | 27.7 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 29.4 | 29.4 | 29.4 |
| 70° | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 22.7 |
| 72.5° | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 16.0 | 16.0 | 16.0 |
| 75° | 10.9 | 10.9 | 10.9 | 10.9 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| 77.5° | 7.6 | 7.6 | 7.6 | 6.7 | 6.7 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.0 |
| 80° | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 3.4 | 3.4 | 2.5 | 2.5 | 2.5 | 2.5 |
| 82.5° | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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)