

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: P1446042

Luminaire Tested: P3ART09R709035DE010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446042
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: P3ART09R709035DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

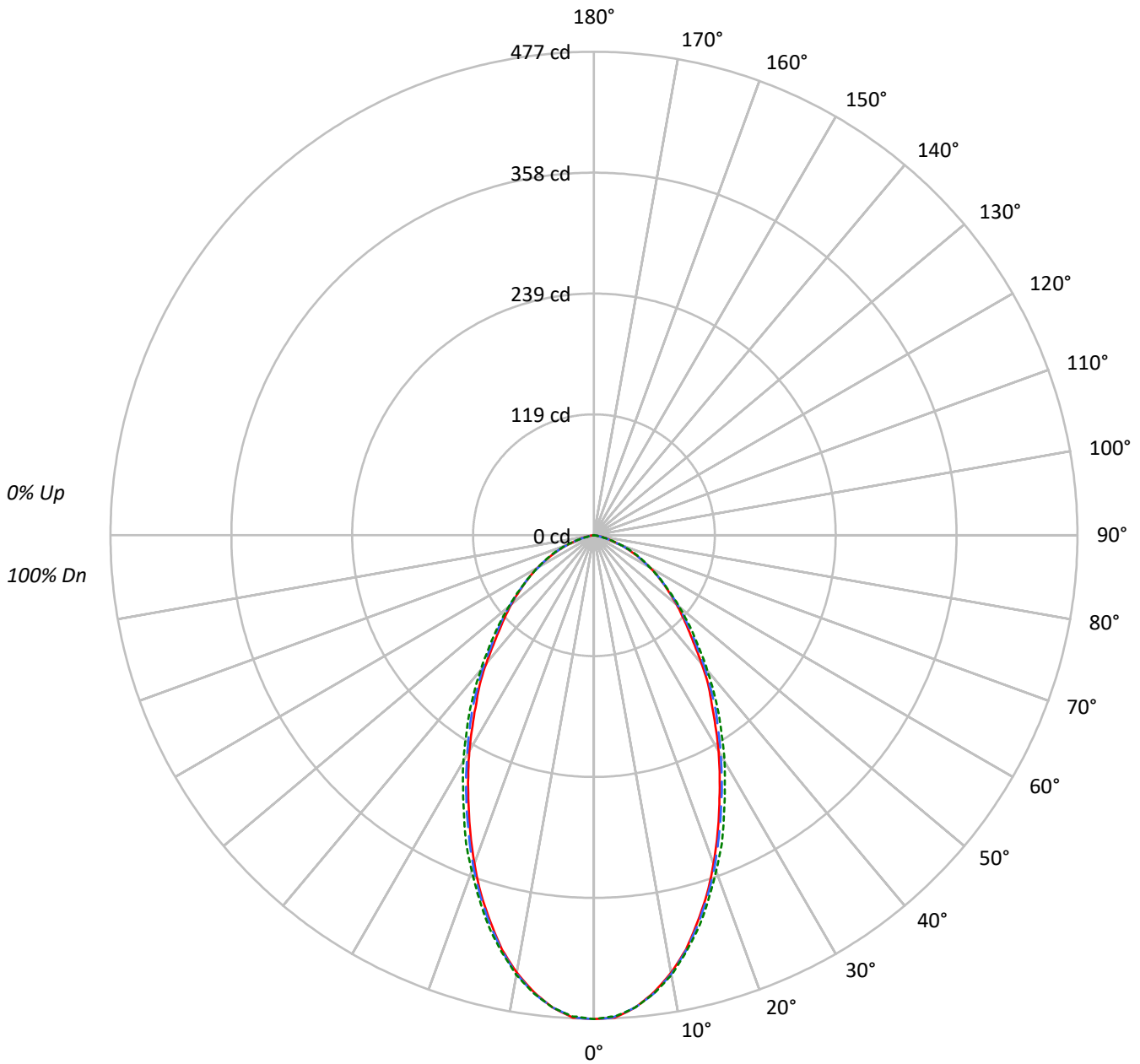
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 665.1 lumens
Efficiency: N/A
Efficacy: 59.9 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 (A_{in}): 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 | 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 | 75 | 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 | 60 | 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° | 104685 | 104685 | 104685 |
| 5° | 102949 | 102949 | 102949 |
| 10° | 97593 | 97838 | 98083 |
| 15° | 89626 | 90125 | 90852 |
| 20° | 80460 | 81207 | 82234 |
| 25° | 70794 | 71835 | 73407 |
| 30° | 62237 | 63326 | 65276 |
| 35° | 54154 | 55894 | 57340 |
| 40° | 47317 | 48577 | 49808 |
| 45° | 40810 | 42144 | 43167 |
| 50° | 36366 | 37116 | 37457 |
| 55° | 31999 | 32419 | 32419 |
| 60° | 28156 | 27673 | 28156 |
| 65° | 23141 | 23712 | 24283 |
| 70° | 18144 | 18144 | 18849 |
| 75° | 11946 | 11099 | 11099 |
| 80° | 6819 | 5556 | 4167 |
| 85° | 2768 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 43167 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.7 | 6.6 |
| 10°-20° | 110.9 | 16.7 |
| 20°-30° | 136.7 | 20.6 |
| 30°-40° | 130.3 | 19.6 |
| 40°-50° | 105.4 | 15.9 |
| 50°-60° | 75.9 | 11.4 |
| 60°-70° | 45.5 | 6.8 |
| 70°-80° | 15.2 | 2.3 |
| 80°-90° | 1.3 | 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° | 291.4 | 43.8 |
| 0°-40° | 421.7 | 63.4 |
| 0°-60° | 603.0 | 90.7 |
| 0°-90° | 665.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 665.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 477 | 477 | 477 | 477 | 477 | |
| 5° | 468 | 468 | 468 | 468 | 468 | 44 |
| 15° | 395 | 396 | 397 | 398 | 400 | 110 |
| 25° | 293 | 294 | 297 | 302 | 303 | 135 |
| 35° | 202 | 204 | 209 | 213 | 214 | 127 |
| 45° | 132 | 134 | 136 | 138 | 139 | 103 |
| 55° | 84 | 84 | 85 | 85 | 85 | 75 |
| 65° | 45 | 46 | 46 | 47 | 47 | 45 |
| 75° | 14 | 14 | 13 | 13 | 13 | 16 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446042

CATALOG NUMBER: P3ART09R709035DE010 E3LDWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 | 477.4 |
| 2° | 476.4 | 476.4 | 476.4 | 476.4 | 476.4 | 476.4 | 476.4 | 476.4 | 476.4 | 476.4 | 475.3 |
| 2.5° | 476.4 | 475.3 | 475.3 | 475.3 | 475.3 | 475.3 | 475.3 | 475.3 | 475.3 | 476.4 | 475.3 |
| 5° | 467.7 | 467.7 | 467.7 | 467.7 | 467.7 | 467.7 | 467.7 | 467.7 | 468.7 | 467.7 | 467.7 |
| 7.5° | 454.6 | 454.6 | 454.6 | 454.6 | 455.7 | 455.7 | 455.7 | 455.7 | 456.8 | 456.8 | 455.7 |
| 10° | 438.3 | 438.3 | 438.3 | 438.3 | 439.4 | 439.4 | 440.5 | 439.4 | 439.4 | 440.5 | 440.5 |
| 12.5° | 418.7 | 417.6 | 417.6 | 417.6 | 418.7 | 419.8 | 419.8 | 419.8 | 420.9 | 420.9 | 420.9 |
| 15° | 394.8 | 394.8 | 394.8 | 395.9 | 395.9 | 397.0 | 398.0 | 398.0 | 399.1 | 399.1 | 400.2 |
| 17.5° | 370.9 | 370.9 | 369.8 | 370.9 | 371.9 | 373.0 | 374.1 | 375.2 | 376.3 | 376.3 | 376.3 |
| 20° | 344.8 | 343.7 | 344.8 | 345.8 | 346.9 | 348.0 | 349.1 | 351.3 | 352.4 | 352.4 | 352.4 |
| 22.5° | 318.7 | 317.6 | 318.7 | 319.7 | 320.8 | 321.9 | 325.2 | 326.3 | 327.4 | 327.4 | 329.5 |
| 25° | 292.6 | 292.6 | 293.6 | 294.7 | 295.8 | 296.9 | 299.1 | 301.3 | 302.3 | 303.4 | 303.4 |
| 27.5° | 268.6 | 268.6 | 268.6 | 268.6 | 270.8 | 273.0 | 275.2 | 277.3 | 278.4 | 279.5 | 279.5 |
| 30° | 245.8 | 244.7 | 244.7 | 245.8 | 248.0 | 250.1 | 252.3 | 254.5 | 255.6 | 256.7 | 257.8 |
| 32.5° | 222.9 | 222.9 | 222.9 | 224.0 | 225.1 | 228.4 | 230.6 | 231.7 | 233.8 | 234.9 | 234.9 |
| 35° | 202.3 | 202.3 | 202.3 | 204.5 | 206.6 | 208.8 | 209.9 | 212.1 | 214.2 | 214.2 | 214.2 |
| 37.5° | 184.9 | 186.0 | 188.1 | 187.1 | 187.1 | 188.1 | 189.2 | 191.4 | 193.6 | 193.6 | 193.6 |
| 40° | 165.3 | 166.4 | 167.5 | 166.4 | 167.5 | 169.7 | 170.7 | 171.8 | 172.9 | 174.0 | 174.0 |
| 42.5° | 146.8 | 146.8 | 146.8 | 147.9 | 150.1 | 151.2 | 153.3 | 154.4 | 155.5 | 155.5 | 155.5 |
| 45° | 131.6 | 131.6 | 132.7 | 133.8 | 134.9 | 135.9 | 137.0 | 138.1 | 139.2 | 139.2 | 139.2 |
| 47.5° | 118.5 | 118.5 | 119.6 | 119.6 | 120.7 | 121.8 | 122.9 | 122.9 | 124.0 | 125.1 | 124.0 |
| 50° | 106.6 | 106.6 | 106.6 | 107.7 | 107.7 | 108.8 | 108.8 | 109.8 | 109.8 | 109.8 | 109.8 |
| 52.5° | 94.6 | 94.6 | 94.6 | 94.6 | 95.7 | 95.7 | 95.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| 55° | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 57.5° | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 60° | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 63.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 62.5° | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 55.5 | 55.5 | 55.5 | 55.5 |
| 65° | 44.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 46.8 | 46.8 | 46.8 | 46.8 |
| 67.5° | 35.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 38.1 | 38.1 | 38.1 |
| 70° | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 29.4 |
| 72.5° | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 20.7 | 20.7 | 20.7 |
| 75° | 14.1 | 14.1 | 14.1 | 14.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 |
| 77.5° | 9.8 | 9.8 | 9.8 | 8.7 | 8.7 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 6.5 |
| 80° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 4.4 | 4.4 | 3.3 | 3.3 | 3.3 | 3.3 |
| 82.5° | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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)