

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: P1446146

Luminaire Tested: P3ART05R709040DE010 E3LDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446146
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: P3ART05R709040DE010 E3LDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3LDWW1MW TRIM
Light Source: -
Ballast/Driver: -

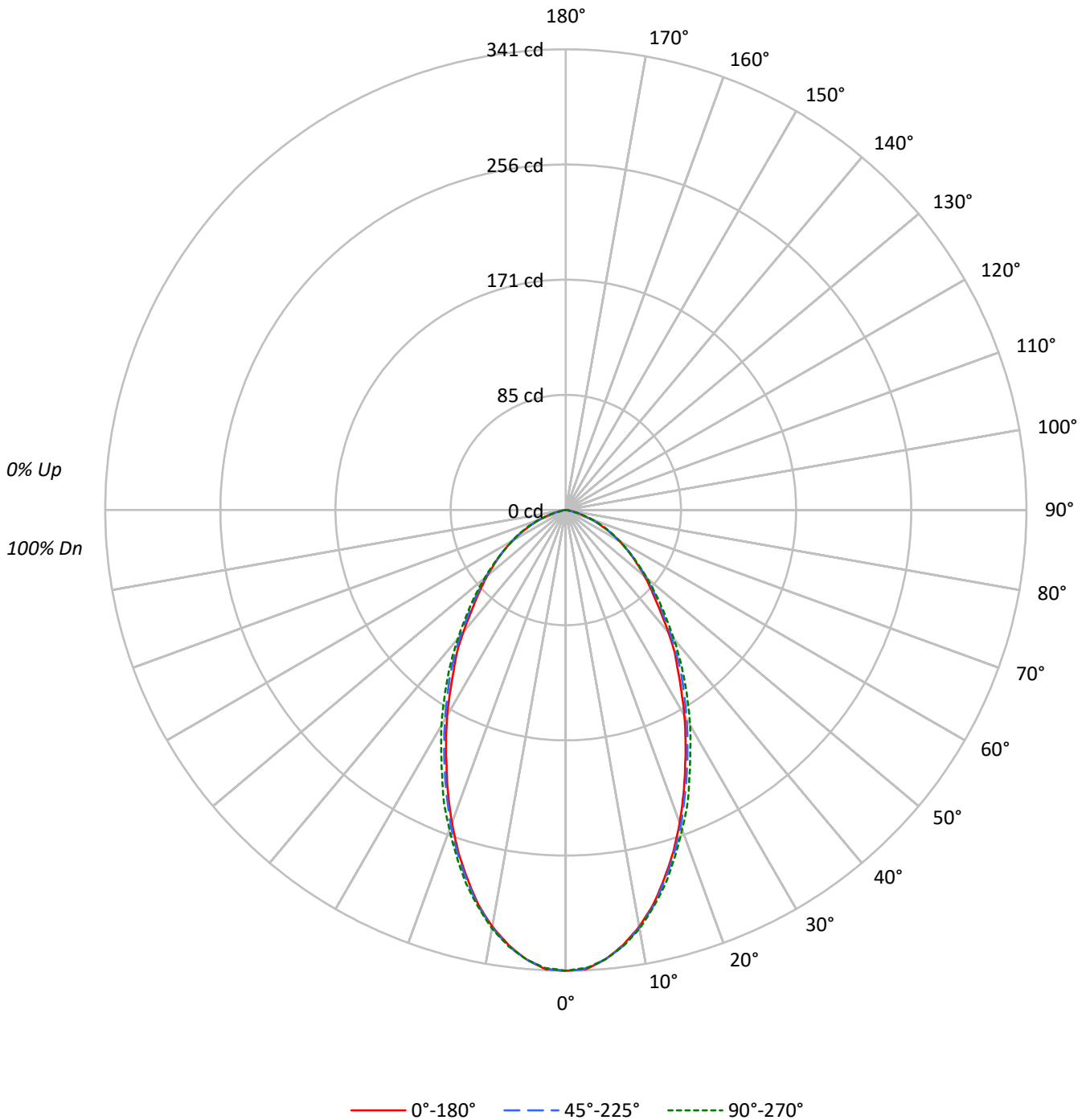
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 66.0 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): 7.2
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: P1446146
CATALOG NUMBER: P3ART05R709040DE010 E3LDWW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1446146

CATALOG NUMBER: P3ART05R709040DE010 E3LDWW1MW

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° | 74775 | 74775 | 74775 |
| 5° | 73520 | 73520 | 73520 |
| 10° | 69716 | 69872 | 70050 |
| 15° | 64019 | 64359 | 64904 |
| 20° | 57475 | 58012 | 58735 |
| 25° | 50567 | 51317 | 52430 |
| 30° | 44463 | 45247 | 46615 |
| 35° | 38682 | 39940 | 40957 |
| 40° | 33806 | 34694 | 35581 |
| 45° | 29150 | 30112 | 30825 |
| 50° | 25961 | 26507 | 26780 |
| 55° | 22862 | 23168 | 23168 |
| 60° | 20086 | 19779 | 20086 |
| 65° | 16500 | 16915 | 17330 |
| 70° | 12951 | 12951 | 13464 |
| 75° | 8557 | 7879 | 7879 |
| 80° | 4925 | 3915 | 2904 |
| 85° | 2013 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 30825 cd/sqm



TEST NUMBER: P1446146

CATALOG NUMBER: P3ART05R709040DE010 E3LDWW1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.2 | 6.6 |
| 10°-20° | 79.2 | 16.7 |
| 20°-30° | 97.7 | 20.6 |
| 30°-40° | 93.1 | 19.6 |
| 40°-50° | 75.3 | 15.9 |
| 50°-60° | 54.2 | 11.4 |
| 60°-70° | 32.5 | 6.8 |
| 70°-80° | 10.9 | 2.3 |
| 80°-90° | 0.9 | 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° | 208.1 | 43.8 |
| 0°-40° | 301.2 | 63.4 |
| 0°-60° | 430.7 | 90.7 |
| 0°-90° | 475.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 475.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 341 | 341 | 341 | 341 | 341 | |
| 5° | 334 | 334 | 334 | 334 | 334 | 31 |
| 15° | 282 | 283 | 284 | 284 | 286 | 79 |
| 25° | 209 | 210 | 212 | 215 | 217 | 96 |
| 35° | 144 | 146 | 149 | 152 | 153 | 91 |
| 45° | 94 | 95 | 97 | 99 | 99 | 73 |
| 55° | 60 | 60 | 61 | 61 | 61 | 54 |
| 65° | 32 | 33 | 33 | 33 | 33 | 32 |
| 75° | 10 | 10 | 9 | 9 | 9 | 11 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446146
 CATALOG NUMBER: P3ART05R709040DE010 E3LDWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 | 341.0 |
| 2° | 340.3 | 340.3 | 340.3 | 340.3 | 340.3 | 340.3 | 340.3 | 340.3 | 340.3 | 340.3 | 339.5 |
| 2.5° | 340.3 | 339.5 | 339.5 | 339.5 | 339.5 | 339.5 | 339.5 | 339.5 | 339.5 | 340.3 | 339.5 |
| 5° | 334.0 | 334.0 | 334.0 | 334.0 | 334.0 | 334.0 | 334.0 | 334.0 | 334.8 | 334.0 | 334.0 |
| 7.5° | 324.7 | 324.7 | 324.7 | 324.7 | 325.5 | 325.5 | 325.5 | 325.5 | 326.3 | 326.3 | 325.5 |
| 10° | 313.1 | 313.1 | 313.1 | 313.1 | 313.8 | 313.8 | 314.6 | 313.8 | 313.8 | 314.6 | 314.6 |
| 12.5° | 299.1 | 298.3 | 298.3 | 298.3 | 299.1 | 299.9 | 299.9 | 299.9 | 300.6 | 300.6 | 300.6 |
| 15° | 282.0 | 282.0 | 282.0 | 282.8 | 282.8 | 283.5 | 284.3 | 284.3 | 285.1 | 285.1 | 285.9 |
| 17.5° | 264.9 | 264.9 | 264.1 | 264.9 | 265.7 | 266.5 | 267.2 | 268.0 | 268.8 | 268.8 | 268.8 |
| 20° | 246.3 | 245.5 | 246.3 | 247.0 | 247.8 | 248.6 | 249.4 | 250.9 | 251.7 | 251.7 | 251.7 |
| 22.5° | 227.6 | 226.8 | 227.6 | 228.4 | 229.2 | 229.9 | 232.3 | 233.0 | 233.8 | 233.8 | 235.4 |
| 25° | 209.0 | 209.0 | 209.7 | 210.5 | 211.3 | 212.1 | 213.6 | 215.2 | 216.0 | 216.7 | 216.7 |
| 27.5° | 191.9 | 191.9 | 191.9 | 191.9 | 193.4 | 195.0 | 196.5 | 198.1 | 198.9 | 199.6 | 199.6 |
| 30° | 175.6 | 174.8 | 174.8 | 175.6 | 177.1 | 178.7 | 180.2 | 181.8 | 182.6 | 183.3 | 184.1 |
| 32.5° | 159.2 | 159.2 | 159.2 | 160.0 | 160.8 | 163.1 | 164.7 | 165.5 | 167.0 | 167.8 | 167.8 |
| 35° | 144.5 | 144.5 | 144.5 | 146.0 | 147.6 | 149.2 | 149.9 | 151.5 | 153.0 | 153.0 | 153.0 |
| 37.5° | 132.1 | 132.8 | 134.4 | 133.6 | 133.6 | 134.4 | 135.2 | 136.7 | 138.3 | 138.3 | 138.3 |
| 40° | 118.1 | 118.9 | 119.6 | 118.9 | 119.6 | 121.2 | 122.0 | 122.7 | 123.5 | 124.3 | 124.3 |
| 42.5° | 104.9 | 104.9 | 104.9 | 105.6 | 107.2 | 108.0 | 109.5 | 110.3 | 111.1 | 111.1 | 111.1 |
| 45° | 94.0 | 94.0 | 94.8 | 95.5 | 96.3 | 97.1 | 97.9 | 98.7 | 99.4 | 99.4 | 99.4 |
| 47.5° | 84.7 | 84.7 | 85.5 | 85.5 | 86.2 | 87.0 | 87.8 | 87.8 | 88.6 | 89.3 | 88.6 |
| 50° | 76.1 | 76.1 | 76.1 | 76.9 | 76.9 | 77.7 | 77.7 | 78.5 | 78.5 | 78.5 | 78.5 |
| 52.5° | 67.6 | 67.6 | 67.6 | 67.6 | 68.4 | 68.4 | 68.4 | 69.1 | 69.1 | 69.1 | 69.1 |
| 55° | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| 57.5° | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| 60° | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.1 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| 62.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 39.6 | 39.6 | 39.6 | 39.6 |
| 65° | 31.8 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 32.6 | 33.4 | 33.4 | 33.4 | 33.4 |
| 67.5° | 25.6 | 26.4 | 26.4 | 26.4 | 26.4 | 26.4 | 26.4 | 26.4 | 27.2 | 27.2 | 27.2 |
| 70° | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 21.0 |
| 72.5° | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.8 | 14.8 | 14.8 |
| 75° | 10.1 | 10.1 | 10.1 | 10.1 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 |
| 77.5° | 7.0 | 7.0 | 7.0 | 6.2 | 6.2 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 4.7 |
| 80° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.1 | 3.1 | 2.3 | 2.3 | 2.3 | 2.3 |
| 82.5° | 2.3 | 2.3 | 2.3 | 1.6 | 1.6 | 1.6 | 1.6 | 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)