

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: P1445752

Luminaire Tested: P3ART05R709027DE010 E3LDWW1B

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445752
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: P3ART05R709027DE010 E3LDWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LDWW1B TRIM
Light Source: -
Ballast/Driver: -

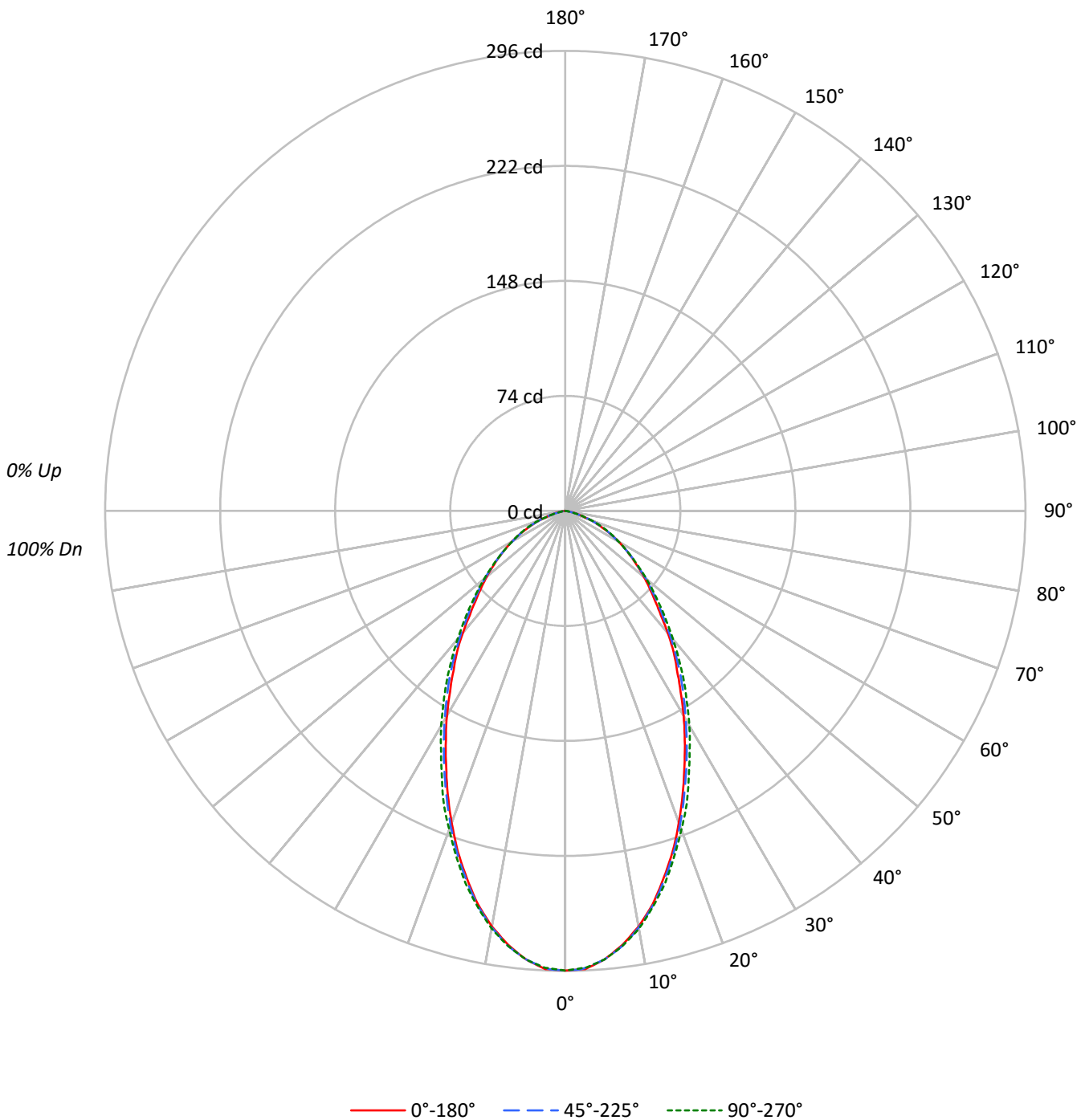
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 412.0 lumens
Efficiency: N/A
Efficacy: 57.2 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): 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

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Luminous Intensity Polar Plot





TEST NUMBER: P1445752

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 64863 | 64863 | 64863 |
| 5° | 63768 | 63768 | 63768 |
| 10° | 60453 | 60609 | 60765 |
| 15° | 55528 | 55823 | 56300 |
| 20° | 49844 | 50311 | 50941 |
| 25° | 43865 | 44495 | 45486 |
| 30° | 38563 | 39247 | 40437 |
| 35° | 33542 | 34639 | 35523 |
| 40° | 29312 | 30085 | 30858 |
| 45° | 25274 | 26111 | 26731 |
| 50° | 22515 | 22993 | 23232 |
| 55° | 19842 | 20109 | 20109 |
| 60° | 17455 | 17148 | 17455 |
| 65° | 14321 | 14684 | 15047 |
| 70° | 11220 | 11220 | 11669 |
| 75° | 7456 | 6863 | 6863 |
| 80° | 4293 | 3410 | 2526 |
| 85° | 1761 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 26731 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 27.1 | 6.6 |
| 10°-20° | 68.7 | 16.7 |
| 20°-30° | 84.7 | 20.6 |
| 30°-40° | 80.7 | 19.6 |
| 40°-50° | 65.3 | 15.9 |
| 50°-60° | 47.1 | 11.4 |
| 60°-70° | 28.2 | 6.8 |
| 70°-80° | 9.4 | 2.3 |
| 80°-90° | 0.8 | 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° | 180.5 | 43.8 |
| 0°-40° | 261.2 | 63.4 |
| 0°-60° | 373.6 | 90.7 |
| 0°-90° | 412.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 412.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 296 | 296 | 296 | 296 | 296 | |
| 5° | 290 | 290 | 290 | 290 | 290 | 27 |
| 15° | 245 | 245 | 246 | 247 | 248 | 68 |
| 25° | 181 | 182 | 184 | 187 | 188 | 83 |
| 35° | 125 | 126 | 129 | 132 | 133 | 79 |
| 45° | 82 | 83 | 84 | 86 | 86 | 64 |
| 55° | 52 | 52 | 53 | 53 | 53 | 47 |
| 65° | 28 | 28 | 28 | 29 | 29 | 28 |
| 75° | 9 | 9 | 8 | 8 | 8 | 10 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445752
 CATALOG NUMBER: P3ART05R709027DE010 E3LDWW1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 295.8 | 295.8 | 295.8 | 295.8 | 295.8 | 295.8 | 295.8 | 295.8 | 295.8 | 295.8 | 295.8 |
| 2° | 295.1 | 295.1 | 295.1 | 295.1 | 295.1 | 295.1 | 295.1 | 295.1 | 295.1 | 295.1 | 294.4 |
| 2.5° | 295.1 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 294.4 | 295.1 | 294.4 |
| 5° | 289.7 | 289.7 | 289.7 | 289.7 | 289.7 | 289.7 | 289.7 | 289.7 | 290.4 | 289.7 | 289.7 |
| 7.5° | 281.6 | 281.6 | 281.6 | 281.6 | 282.3 | 282.3 | 282.3 | 282.3 | 283.0 | 283.0 | 282.3 |
| 10° | 271.5 | 271.5 | 271.5 | 271.5 | 272.2 | 272.2 | 272.9 | 272.2 | 272.2 | 272.9 | 272.9 |
| 12.5° | 259.4 | 258.7 | 258.7 | 258.7 | 259.4 | 260.1 | 260.1 | 260.1 | 260.8 | 260.8 | 260.8 |
| 15° | 244.6 | 244.6 | 244.6 | 245.3 | 245.3 | 245.9 | 246.6 | 246.6 | 247.3 | 247.3 | 248.0 |
| 17.5° | 229.8 | 229.8 | 229.1 | 229.8 | 230.4 | 231.1 | 231.8 | 232.5 | 233.1 | 233.1 | 233.1 |
| 20° | 213.6 | 212.9 | 213.6 | 214.3 | 214.9 | 215.6 | 216.3 | 217.6 | 218.3 | 218.3 | 218.3 |
| 22.5° | 197.4 | 196.7 | 197.4 | 198.1 | 198.8 | 199.4 | 201.5 | 202.1 | 202.8 | 202.8 | 204.2 |
| 25° | 181.3 | 181.3 | 181.9 | 182.6 | 183.3 | 183.9 | 185.3 | 186.6 | 187.3 | 188.0 | 188.0 |
| 27.5° | 166.4 | 166.4 | 166.4 | 166.4 | 167.8 | 169.1 | 170.5 | 171.8 | 172.5 | 173.2 | 173.2 |
| 30° | 152.3 | 151.6 | 151.6 | 152.3 | 153.6 | 155.0 | 156.3 | 157.7 | 158.3 | 159.0 | 159.7 |
| 32.5° | 138.1 | 138.1 | 138.1 | 138.8 | 139.5 | 141.5 | 142.8 | 143.5 | 144.9 | 145.5 | 145.5 |
| 35° | 125.3 | 125.3 | 125.3 | 126.7 | 128.0 | 129.4 | 130.0 | 131.4 | 132.7 | 132.7 | 132.7 |
| 37.5° | 114.5 | 115.2 | 116.6 | 115.9 | 115.9 | 116.6 | 117.2 | 118.6 | 119.9 | 119.9 | 119.9 |
| 40° | 102.4 | 103.1 | 103.8 | 103.1 | 103.8 | 105.1 | 105.8 | 106.5 | 107.1 | 107.8 | 107.8 |
| 42.5° | 91.0 | 91.0 | 91.0 | 91.6 | 93.0 | 93.7 | 95.0 | 95.7 | 96.4 | 96.4 | 96.4 |
| 45° | 81.5 | 81.5 | 82.2 | 82.9 | 83.6 | 84.2 | 84.9 | 85.6 | 86.2 | 86.2 | 86.2 |
| 47.5° | 73.4 | 73.4 | 74.1 | 74.1 | 74.8 | 75.5 | 76.1 | 76.1 | 76.8 | 77.5 | 76.8 |
| 50° | 66.0 | 66.0 | 66.0 | 66.7 | 66.7 | 67.4 | 67.4 | 68.1 | 68.1 | 68.1 | 68.1 |
| 52.5° | 58.6 | 58.6 | 58.6 | 58.6 | 59.3 | 59.3 | 59.3 | 60.0 | 60.0 | 60.0 | 60.0 |
| 55° | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| 57.5° | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| 60° | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.1 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| 62.5° | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 34.4 | 34.4 | 34.4 | 34.4 |
| 65° | 27.6 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 28.3 | 29.0 | 29.0 | 29.0 | 29.0 |
| 67.5° | 22.2 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 22.9 | 23.6 | 23.6 | 23.6 |
| 70° | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 17.5 | 18.2 |
| 72.5° | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.1 | 12.8 | 12.8 | 12.8 |
| 75° | 8.8 | 8.8 | 8.8 | 8.8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 77.5° | 6.1 | 6.1 | 6.1 | 5.4 | 5.4 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.0 |
| 80° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 2.7 | 2.7 | 2.0 | 2.0 | 2.0 | 2.0 |
| 82.5° | 2.0 | 2.0 | 2.0 | 1.3 | 1.3 | 1.3 | 1.3 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 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)