

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: P1446001

Luminaire Tested: P3ART05R709035DE010 E3CLDWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446001
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: P3ART05R709035DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

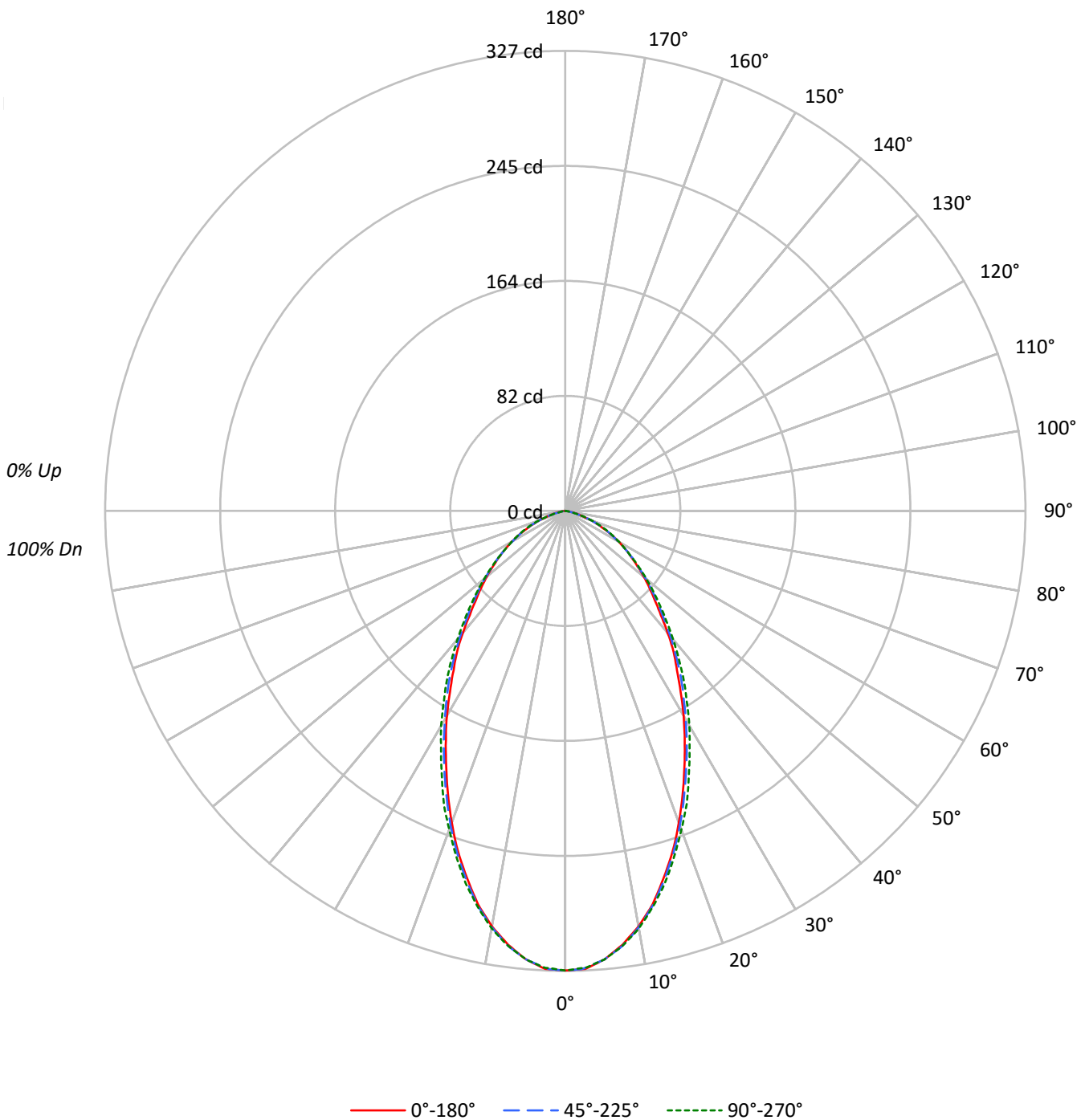
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 455.0 lumens
Efficiency: N/A
Efficacy: 63.2 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





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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° | 71639 | 71639 | 71639 |
| 5° | 70438 | 70438 | 70438 |
| 10° | 66777 | 66933 | 67111 |
| 15° | 61317 | 61658 | 62157 |
| 20° | 55048 | 55561 | 56262 |
| 25° | 48438 | 49140 | 50229 |
| 30° | 42589 | 43323 | 44665 |
| 35° | 37049 | 38253 | 39244 |
| 40° | 32375 | 33234 | 34092 |
| 45° | 27910 | 28840 | 29522 |
| 50° | 24869 | 25381 | 25654 |
| 55° | 21906 | 22174 | 22174 |
| 60° | 19253 | 18946 | 19253 |
| 65° | 15825 | 16240 | 16604 |
| 70° | 12374 | 12374 | 12887 |
| 75° | 8218 | 7540 | 7540 |
| 80° | 4672 | 3788 | 2778 |
| 85° | 1761 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 29522 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.9 | 6.6 |
| 10°-20° | 75.9 | 16.7 |
| 20°-30° | 93.6 | 20.6 |
| 30°-40° | 89.2 | 19.6 |
| 40°-50° | 72.1 | 15.9 |
| 50°-60° | 51.9 | 11.4 |
| 60°-70° | 31.1 | 6.8 |
| 70°-80° | 10.4 | 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° | 199.4 | 43.8 |
| 0°-40° | 288.5 | 63.4 |
| 0°-60° | 412.6 | 90.7 |
| 0°-90° | 455.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 455.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 327 | 327 | 327 | 327 | 327 | |
| 5° | 320 | 320 | 320 | 320 | 320 | 30 |
| 15° | 270 | 271 | 272 | 272 | 274 | 75 |
| 25° | 200 | 202 | 203 | 206 | 208 | 92 |
| 35° | 138 | 140 | 143 | 145 | 147 | 87 |
| 45° | 90 | 91 | 93 | 95 | 95 | 70 |
| 55° | 57 | 57 | 58 | 58 | 58 | 52 |
| 65° | 30 | 31 | 31 | 32 | 32 | 31 |
| 75° | 10 | 10 | 9 | 9 | 9 | 11 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446001
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 326.7 | 326.7 | 326.7 | 326.7 | 326.7 | 326.7 | 326.7 | 326.7 | 326.7 | 326.7 | 326.7 |
| 2° | 325.9 | 325.9 | 325.9 | 325.9 | 325.9 | 325.9 | 325.9 | 325.9 | 325.9 | 325.9 | 325.2 |
| 2.5° | 325.9 | 325.2 | 325.2 | 325.2 | 325.2 | 325.2 | 325.2 | 325.2 | 325.2 | 325.9 | 325.2 |
| 5° | 320.0 | 320.0 | 320.0 | 320.0 | 320.0 | 320.0 | 320.0 | 320.0 | 320.7 | 320.0 | 320.0 |
| 7.5° | 311.0 | 311.0 | 311.0 | 311.0 | 311.8 | 311.8 | 311.8 | 311.8 | 312.5 | 312.5 | 311.8 |
| 10° | 299.9 | 299.9 | 299.9 | 299.9 | 300.6 | 300.6 | 301.4 | 300.6 | 300.6 | 301.4 | 301.4 |
| 12.5° | 286.5 | 285.7 | 285.7 | 285.7 | 286.5 | 287.2 | 287.2 | 287.2 | 288.0 | 288.0 | 288.0 |
| 15° | 270.1 | 270.1 | 270.1 | 270.9 | 270.9 | 271.6 | 272.3 | 272.3 | 273.1 | 273.1 | 273.8 |
| 17.5° | 253.7 | 253.7 | 253.0 | 253.7 | 254.5 | 255.2 | 256.0 | 256.7 | 257.5 | 257.5 | 257.5 |
| 20° | 235.9 | 235.1 | 235.9 | 236.6 | 237.4 | 238.1 | 238.9 | 240.4 | 241.1 | 241.1 | 241.1 |
| 22.5° | 218.0 | 217.3 | 218.0 | 218.8 | 219.5 | 220.3 | 222.5 | 223.2 | 224.0 | 224.0 | 225.5 |
| 25° | 200.2 | 200.2 | 200.9 | 201.7 | 202.4 | 203.1 | 204.6 | 206.1 | 206.9 | 207.6 | 207.6 |
| 27.5° | 183.8 | 183.8 | 183.8 | 183.8 | 185.3 | 186.8 | 188.3 | 189.8 | 190.5 | 191.2 | 191.2 |
| 30° | 168.2 | 167.4 | 167.4 | 168.2 | 169.7 | 171.1 | 172.6 | 174.1 | 174.9 | 175.6 | 176.4 |
| 32.5° | 152.5 | 152.5 | 152.5 | 153.3 | 154.0 | 156.3 | 157.8 | 158.5 | 160.0 | 160.7 | 160.7 |
| 35° | 138.4 | 138.4 | 138.4 | 139.9 | 141.4 | 142.9 | 143.6 | 145.1 | 146.6 | 146.6 | 146.6 |
| 37.5° | 126.5 | 127.2 | 128.7 | 128.0 | 128.0 | 128.7 | 129.5 | 131.0 | 132.5 | 132.5 | 132.5 |
| 40° | 113.1 | 113.9 | 114.6 | 113.9 | 114.6 | 116.1 | 116.8 | 117.6 | 118.3 | 119.1 | 119.1 |
| 42.5° | 100.5 | 100.5 | 100.5 | 101.2 | 102.7 | 103.4 | 104.9 | 105.7 | 106.4 | 106.4 | 106.4 |
| 45° | 90.0 | 90.0 | 90.8 | 91.5 | 92.3 | 93.0 | 93.8 | 94.5 | 95.2 | 95.2 | 95.2 |
| 47.5° | 81.1 | 81.1 | 81.9 | 81.9 | 82.6 | 83.3 | 84.1 | 84.1 | 84.8 | 85.6 | 84.8 |
| 50° | 72.9 | 72.9 | 72.9 | 73.7 | 73.7 | 74.4 | 74.4 | 75.2 | 75.2 | 75.2 | 75.2 |
| 52.5° | 64.7 | 64.7 | 64.7 | 64.7 | 65.5 | 65.5 | 65.5 | 66.2 | 66.2 | 66.2 | 66.2 |
| 55° | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| 57.5° | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 60° | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.2 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| 62.5° | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 38.0 | 38.0 | 38.0 | 38.0 |
| 65° | 30.5 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 32.0 | 32.0 | 32.0 | 32.0 |
| 67.5° | 24.6 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 | 25.3 | 26.0 | 26.0 | 26.0 |
| 70° | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 20.1 |
| 72.5° | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 14.1 | 14.1 | 14.1 |
| 75° | 9.7 | 9.7 | 9.7 | 9.7 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 77.5° | 6.7 | 6.7 | 6.7 | 6.0 | 6.0 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 4.5 |
| 80° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.0 | 3.0 | 2.2 | 2.2 | 2.2 | 2.2 |
| 82.5° | 2.2 | 2.2 | 2.2 | 1.5 | 1.5 | 1.5 | 1.5 | 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)