

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: P1446106

Luminaire Tested: P3ART02R709040DE010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446106
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: P3ART02R709040DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

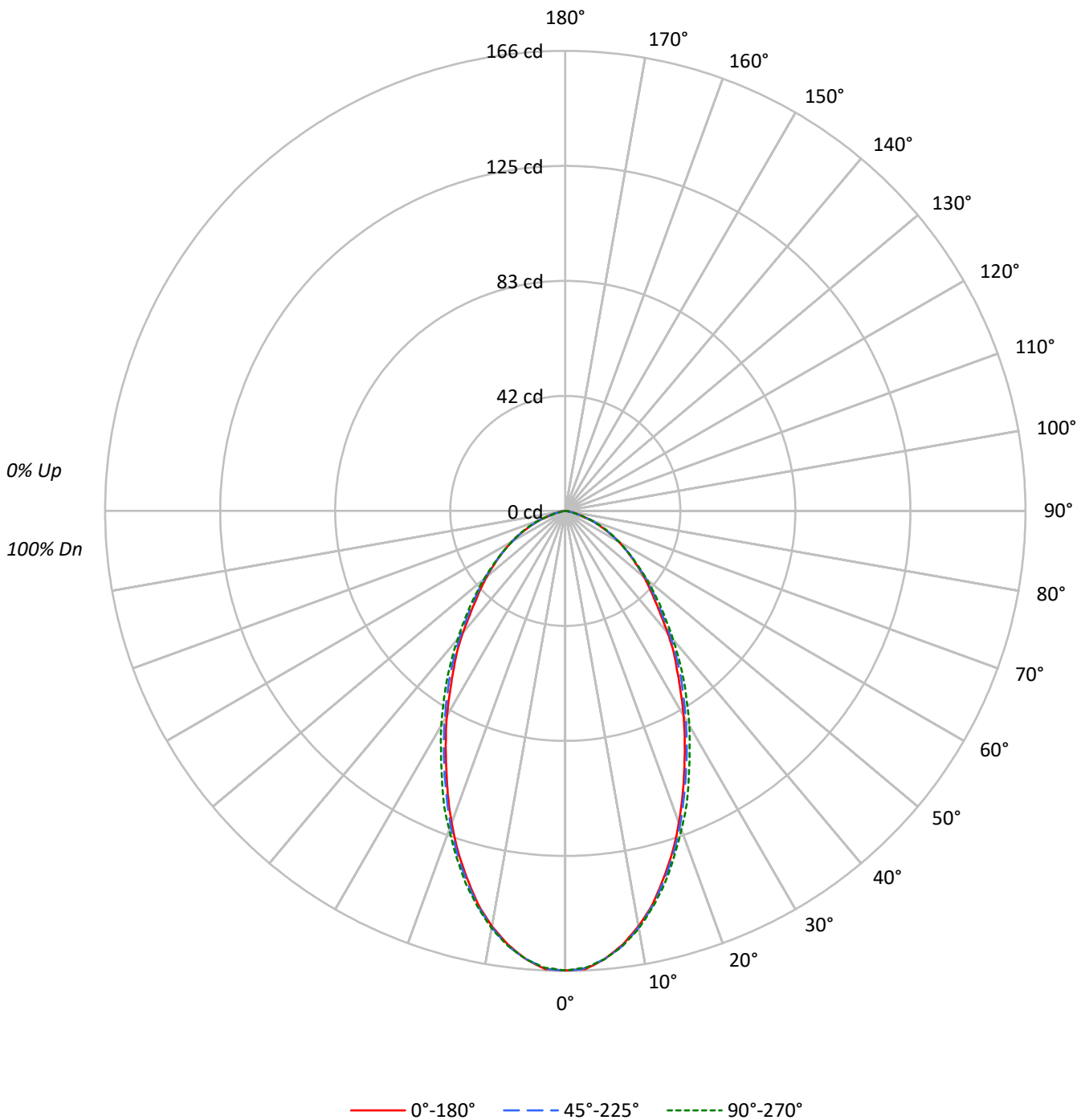
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 231.0 lumens
Efficiency: N/A
Efficacy: 64.2 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): 3.6
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 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 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 80 | 80 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 71 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 57 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 51 | 51 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 47 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 43 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 40 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 37 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 36357 | 36357 | 36357 |
| 5° | 35747 | 35747 | 35747 |
| 10° | 33889 | 33978 | 34068 |
| 15° | 31124 | 31306 | 31555 |
| 20° | 27956 | 28212 | 28562 |
| 25° | 24582 | 24945 | 25501 |
| 30° | 21624 | 22003 | 22662 |
| 35° | 18819 | 19408 | 19916 |
| 40° | 16431 | 16860 | 17290 |
| 45° | 14172 | 14637 | 15009 |
| 50° | 12622 | 12895 | 13032 |
| 55° | 11125 | 11278 | 11278 |
| 60° | 9780 | 9604 | 9780 |
| 65° | 8042 | 8250 | 8406 |
| 70° | 6283 | 6283 | 6540 |
| 75° | 4151 | 3813 | 3813 |
| 80° | 2399 | 1894 | 1389 |
| 85° | 1006 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 15009 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.2 | 6.6 |
| 10°-20° | 38.5 | 16.7 |
| 20°-30° | 47.5 | 20.6 |
| 30°-40° | 45.3 | 19.6 |
| 40°-50° | 36.6 | 15.9 |
| 50°-60° | 26.4 | 11.4 |
| 60°-70° | 15.8 | 6.8 |
| 70°-80° | 5.3 | 2.3 |
| 80°-90° | 0.5 | 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° | 101.2 | 43.8 |
| 0°-40° | 146.5 | 63.4 |
| 0°-60° | 209.5 | 90.7 |
| 0°-90° | 231.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 231.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 166 | 166 | 166 | 166 | 166 | |
| 5° | 162 | 162 | 162 | 162 | 162 | 15 |
| 15° | 137 | 137 | 138 | 138 | 139 | 38 |
| 25° | 102 | 102 | 103 | 105 | 105 | 47 |
| 35° | 70 | 71 | 72 | 74 | 74 | 44 |
| 45° | 46 | 46 | 47 | 48 | 48 | 36 |
| 55° | 29 | 29 | 30 | 30 | 30 | 26 |
| 65° | 16 | 16 | 16 | 16 | 16 | 16 |
| 75° | 5 | 5 | 4 | 4 | 4 | 6 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446106
 CATALOG NUMBER: P3ART02R709040DE010 E3CLDWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 165.8 | 165.8 | 165.8 | 165.8 | 165.8 | 165.8 | 165.8 | 165.8 | 165.8 | 165.8 | 165.8 |
| 2° | 165.5 | 165.5 | 165.5 | 165.5 | 165.5 | 165.5 | 165.5 | 165.5 | 165.5 | 165.5 | 165.1 |
| 2.5° | 165.5 | 165.1 | 165.1 | 165.1 | 165.1 | 165.1 | 165.1 | 165.1 | 165.1 | 165.5 | 165.1 |
| 5° | 162.4 | 162.4 | 162.4 | 162.4 | 162.4 | 162.4 | 162.4 | 162.4 | 162.8 | 162.4 | 162.4 |
| 7.5° | 157.9 | 157.9 | 157.9 | 157.9 | 158.3 | 158.3 | 158.3 | 158.3 | 158.7 | 158.7 | 158.3 |
| 10° | 152.2 | 152.2 | 152.2 | 152.2 | 152.6 | 152.6 | 153.0 | 152.6 | 152.6 | 153.0 | 153.0 |
| 12.5° | 145.4 | 145.1 | 145.1 | 145.1 | 145.4 | 145.8 | 145.8 | 145.8 | 146.2 | 146.2 | 146.2 |
| 15° | 137.1 | 137.1 | 137.1 | 137.5 | 137.5 | 137.9 | 138.3 | 138.3 | 138.6 | 138.6 | 139.0 |
| 17.5° | 128.8 | 128.8 | 128.4 | 128.8 | 129.2 | 129.6 | 130.0 | 130.3 | 130.7 | 130.7 | 130.7 |
| 20° | 119.8 | 119.4 | 119.8 | 120.1 | 120.5 | 120.9 | 121.3 | 122.0 | 122.4 | 122.4 | 122.4 |
| 22.5° | 110.7 | 110.3 | 110.7 | 111.1 | 111.4 | 111.8 | 113.0 | 113.3 | 113.7 | 113.7 | 114.5 |
| 25° | 101.6 | 101.6 | 102.0 | 102.4 | 102.8 | 103.1 | 103.9 | 104.6 | 105.0 | 105.4 | 105.4 |
| 27.5° | 93.3 | 93.3 | 93.3 | 93.3 | 94.1 | 94.8 | 95.6 | 96.3 | 96.7 | 97.1 | 97.1 |
| 30° | 85.4 | 85.0 | 85.0 | 85.4 | 86.1 | 86.9 | 87.6 | 88.4 | 88.8 | 89.2 | 89.5 |
| 32.5° | 77.4 | 77.4 | 77.4 | 77.8 | 78.2 | 79.3 | 80.1 | 80.5 | 81.2 | 81.6 | 81.6 |
| 35° | 70.3 | 70.3 | 70.3 | 71.0 | 71.8 | 72.5 | 72.9 | 73.7 | 74.4 | 74.4 | 74.4 |
| 37.5° | 64.2 | 64.6 | 65.4 | 65.0 | 65.0 | 65.4 | 65.7 | 66.5 | 67.2 | 67.2 | 67.2 |
| 40° | 57.4 | 57.8 | 58.2 | 57.8 | 58.2 | 58.9 | 59.3 | 59.7 | 60.1 | 60.4 | 60.4 |
| 42.5° | 51.0 | 51.0 | 51.0 | 51.4 | 52.1 | 52.5 | 53.3 | 53.6 | 54.0 | 54.0 | 54.0 |
| 45° | 45.7 | 45.7 | 46.1 | 46.5 | 46.8 | 47.2 | 47.6 | 48.0 | 48.4 | 48.4 | 48.4 |
| 47.5° | 41.2 | 41.2 | 41.6 | 41.6 | 41.9 | 42.3 | 42.7 | 42.7 | 43.1 | 43.4 | 43.1 |
| 50° | 37.0 | 37.0 | 37.0 | 37.4 | 37.4 | 37.8 | 37.8 | 38.2 | 38.2 | 38.2 | 38.2 |
| 52.5° | 32.9 | 32.9 | 32.9 | 32.9 | 33.2 | 33.2 | 33.2 | 33.6 | 33.6 | 33.6 | 33.6 |
| 55° | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 57.5° | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 60° | 22.3 | 22.3 | 22.3 | 22.3 | 22.3 | 21.9 | 22.3 | 22.3 | 22.3 | 22.3 | 22.3 |
| 62.5° | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 | 18.9 | 19.3 | 19.3 | 19.3 | 19.3 |
| 65° | 15.5 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 16.2 | 16.2 | 16.2 | 16.2 |
| 67.5° | 12.5 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 13.2 | 13.2 | 13.2 |
| 70° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 10.2 |
| 72.5° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 7.2 | 7.2 | 7.2 |
| 75° | 4.9 | 4.9 | 4.9 | 4.9 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 77.5° | 3.4 | 3.4 | 3.4 | 3.0 | 3.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.3 |
| 80° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.5 | 1.5 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 1.1 | 1.1 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 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)