

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: P1445584

Luminaire Tested: P3ART02R709024DE010 E3CLDWW1MB

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1445584
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: P3ART02R709024DE010 E3CLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

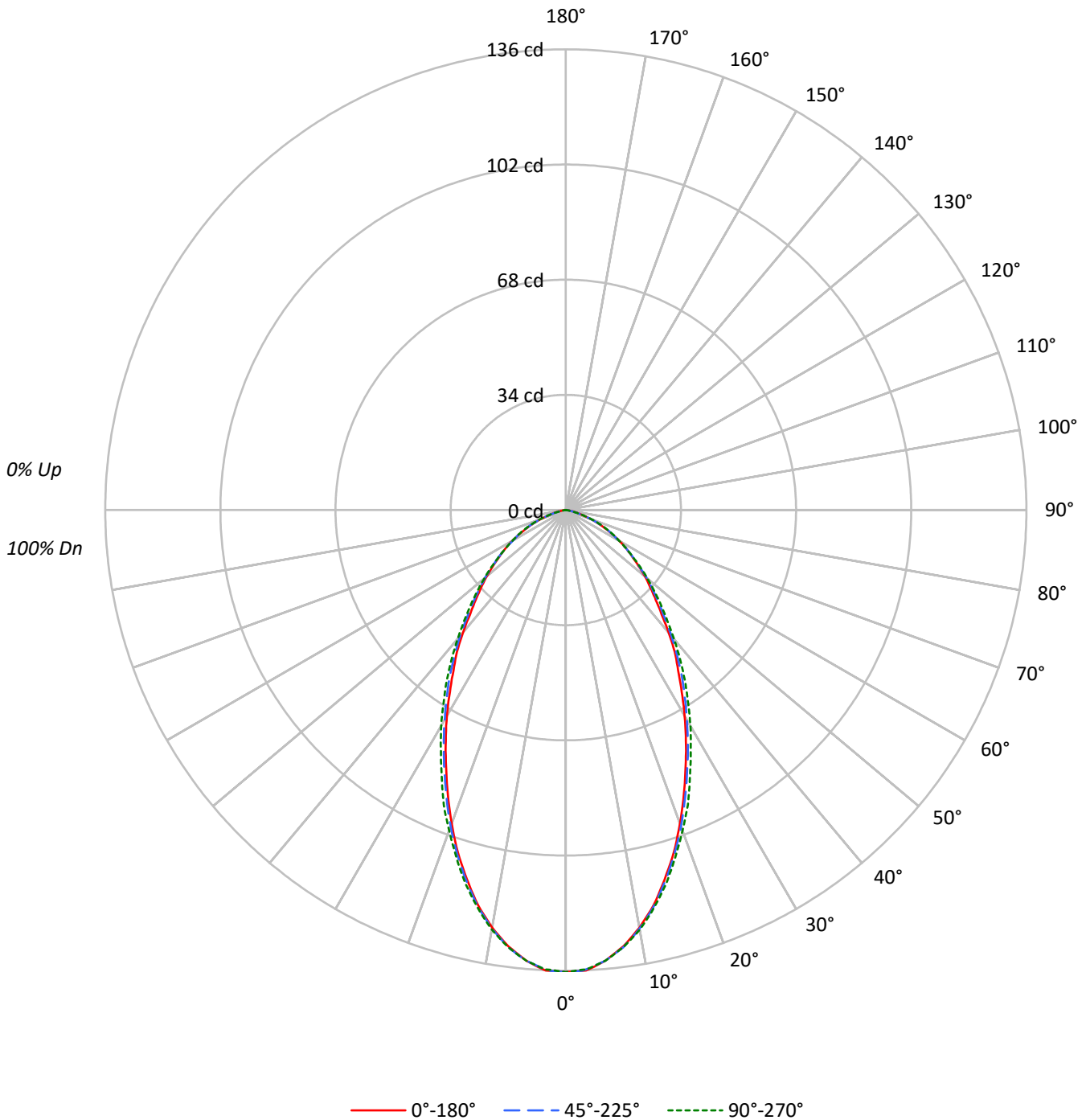
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 52.8 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 | 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° | 29910 | 29910 | 29910 |
| 5° | 29408 | 29408 | 29408 |
| 10° | 27877 | 27944 | 28011 |
| 15° | 25607 | 25744 | 25948 |
| 20° | 22985 | 23195 | 23499 |
| 25° | 20227 | 20517 | 20977 |
| 30° | 17775 | 18104 | 18636 |
| 35° | 15473 | 15981 | 16383 |
| 40° | 13511 | 13883 | 14227 |
| 45° | 11660 | 12032 | 12342 |
| 50° | 10405 | 10609 | 10712 |
| 55° | 9137 | 9252 | 9252 |
| 60° | 8026 | 7894 | 8026 |
| 65° | 6590 | 6797 | 6953 |
| 70° | 5193 | 5193 | 5386 |
| 75° | 3389 | 3135 | 3135 |
| 80° | 2020 | 1515 | 1137 |
| 85° | 755 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 12342 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 12.5 | 6.6 |
| 10°-20° | 31.7 | 16.7 |
| 20°-30° | 39.1 | 20.6 |
| 30°-40° | 37.2 | 19.6 |
| 40°-50° | 30.1 | 15.9 |
| 50°-60° | 21.7 | 11.4 |
| 60°-70° | 13.0 | 6.8 |
| 70°-80° | 4.4 | 2.3 |
| 80°-90° | 0.4 | 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° | 83.2 | 43.8 |
| 0°-40° | 120.5 | 63.4 |
| 0°-60° | 172.3 | 90.7 |
| 0°-90° | 190.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 190.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 136 | 136 | 136 | 136 | 136 | |
| 5° | 134 | 134 | 134 | 134 | 134 | 12 |
| 15° | 113 | 113 | 113 | 114 | 114 | 32 |
| 25° | 84 | 84 | 85 | 86 | 87 | 38 |
| 35° | 58 | 58 | 60 | 61 | 61 | 36 |
| 45° | 38 | 38 | 39 | 40 | 40 | 29 |
| 55° | 24 | 24 | 24 | 24 | 24 | 22 |
| 65° | 13 | 13 | 13 | 13 | 13 | 13 |
| 75° | 4 | 4 | 4 | 4 | 4 | 5 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1445584

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 136.4 | 136.4 | 136.4 | 136.4 | 136.4 | 136.4 | 136.4 | 136.4 | 136.4 | 136.4 | 136.4 |
| 2° | 136.1 | 136.1 | 136.1 | 136.1 | 136.1 | 136.1 | 136.1 | 136.1 | 136.1 | 136.1 | 135.8 |
| 2.5° | 136.1 | 135.8 | 135.8 | 135.8 | 135.8 | 135.8 | 135.8 | 135.8 | 135.8 | 136.1 | 135.8 |
| 5° | 133.6 | 133.6 | 133.6 | 133.6 | 133.6 | 133.6 | 133.6 | 133.6 | 133.9 | 133.6 | 133.6 |
| 7.5° | 129.9 | 129.9 | 129.9 | 129.9 | 130.2 | 130.2 | 130.2 | 130.2 | 130.5 | 130.5 | 130.2 |
| 10° | 125.2 | 125.2 | 125.2 | 125.2 | 125.5 | 125.5 | 125.8 | 125.5 | 125.5 | 125.8 | 125.8 |
| 12.5° | 119.6 | 119.3 | 119.3 | 119.3 | 119.6 | 119.9 | 119.9 | 119.9 | 120.3 | 120.3 | 120.3 |
| 15° | 112.8 | 112.8 | 112.8 | 113.1 | 113.1 | 113.4 | 113.7 | 113.7 | 114.0 | 114.0 | 114.3 |
| 17.5° | 106.0 | 106.0 | 105.6 | 106.0 | 106.3 | 106.6 | 106.9 | 107.2 | 107.5 | 107.5 | 107.5 |
| 20° | 98.5 | 98.2 | 98.5 | 98.8 | 99.1 | 99.4 | 99.7 | 100.4 | 100.7 | 100.7 | 100.7 |
| 22.5° | 91.0 | 90.7 | 91.0 | 91.4 | 91.7 | 92.0 | 92.9 | 93.2 | 93.5 | 93.5 | 94.2 |
| 25° | 83.6 | 83.6 | 83.9 | 84.2 | 84.5 | 84.8 | 85.5 | 86.1 | 86.4 | 86.7 | 86.7 |
| 27.5° | 76.8 | 76.8 | 76.8 | 76.8 | 77.4 | 78.0 | 78.6 | 79.2 | 79.5 | 79.9 | 79.9 |
| 30° | 70.2 | 69.9 | 69.9 | 70.2 | 70.8 | 71.5 | 72.1 | 72.7 | 73.0 | 73.3 | 73.6 |
| 32.5° | 63.7 | 63.7 | 63.7 | 64.0 | 64.3 | 65.3 | 65.9 | 66.2 | 66.8 | 67.1 | 67.1 |
| 35° | 57.8 | 57.8 | 57.8 | 58.4 | 59.0 | 59.7 | 60.0 | 60.6 | 61.2 | 61.2 | 61.2 |
| 37.5° | 52.8 | 53.1 | 53.8 | 53.4 | 53.4 | 53.8 | 54.1 | 54.7 | 55.3 | 55.3 | 55.3 |
| 40° | 47.2 | 47.5 | 47.9 | 47.5 | 47.9 | 48.5 | 48.8 | 49.1 | 49.4 | 49.7 | 49.7 |
| 42.5° | 41.9 | 41.9 | 41.9 | 42.3 | 42.9 | 43.2 | 43.8 | 44.1 | 44.4 | 44.4 | 44.4 |
| 45° | 37.6 | 37.6 | 37.9 | 38.2 | 38.5 | 38.8 | 39.2 | 39.5 | 39.8 | 39.8 | 39.8 |
| 47.5° | 33.9 | 33.9 | 34.2 | 34.2 | 34.5 | 34.8 | 35.1 | 35.1 | 35.4 | 35.7 | 35.4 |
| 50° | 30.5 | 30.5 | 30.5 | 30.8 | 30.8 | 31.1 | 31.1 | 31.4 | 31.4 | 31.4 | 31.4 |
| 52.5° | 27.0 | 27.0 | 27.0 | 27.0 | 27.3 | 27.3 | 27.3 | 27.7 | 27.7 | 27.7 | 27.7 |
| 55° | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 |
| 57.5° | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 |
| 60° | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.0 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| 62.5° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.8 | 15.8 | 15.8 | 15.8 |
| 65° | 12.7 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.1 | 13.4 | 13.4 | 13.4 | 13.4 |
| 67.5° | 10.3 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.9 | 10.9 | 10.9 |
| 70° | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.4 |
| 72.5° | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 5.9 | 5.9 | 5.9 |
| 75° | 4.0 | 4.0 | 4.0 | 4.0 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 77.5° | 2.8 | 2.8 | 2.8 | 2.5 | 2.5 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.9 |
| 80° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.2 | 1.2 | 0.9 | 0.9 | 0.9 | 0.9 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.6 | 0.6 | 0.6 | 0.6 | 0.3 | 0.3 | 0.3 | 0.3 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 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)