

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: P#

Luminaire Tested: P3ART24R709050D010 E3CLDWW1MMS

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
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: P3ART24R709050D010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

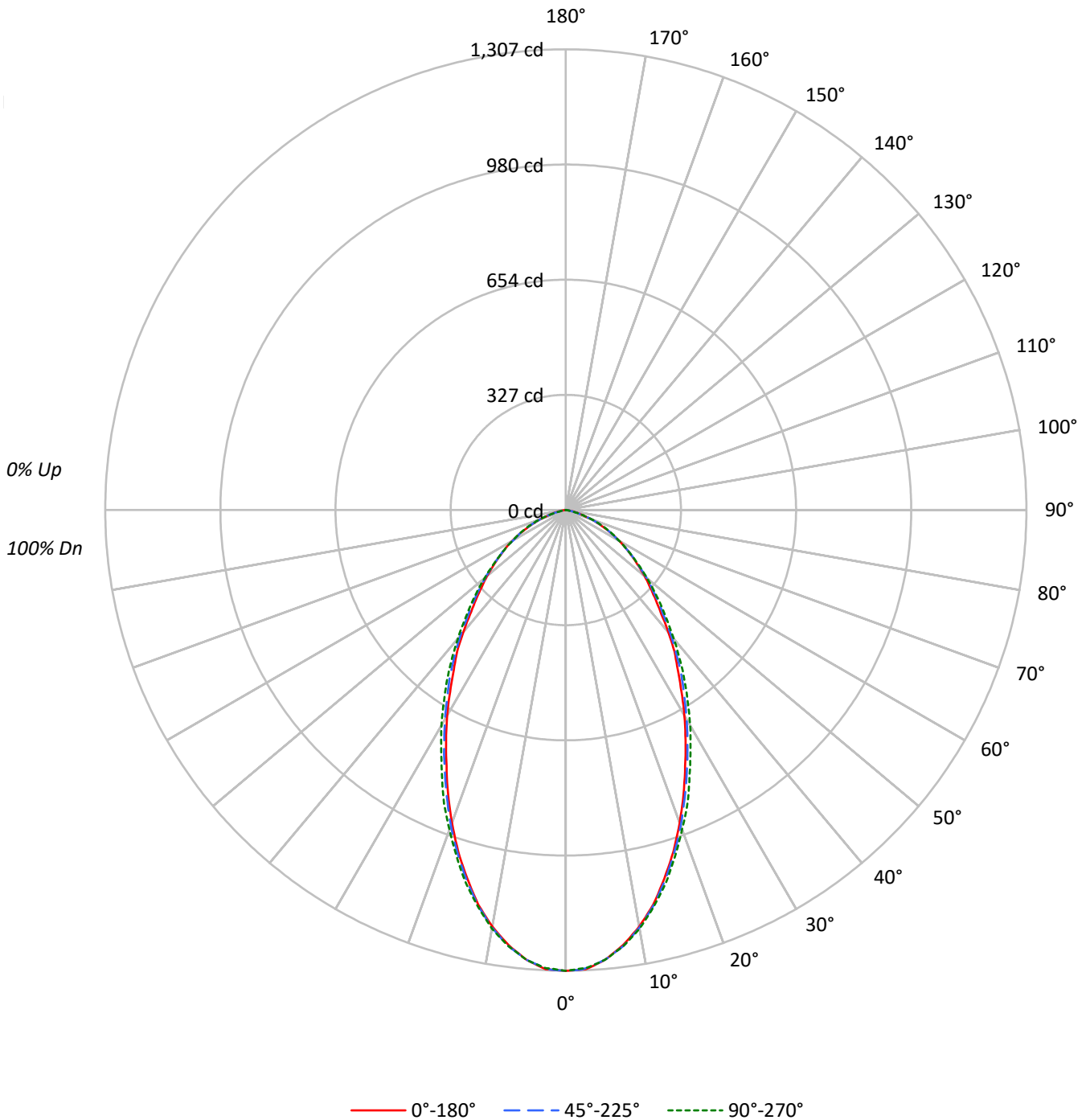
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1821.0 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): 28.8
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: P#
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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 | 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° | 286688 | 286688 | 286688 |
| 5° | 281883 | 281883 | 281883 |
| 10° | 267241 | 267909 | 268554 |
| 15° | 245427 | 246766 | 248787 |
| 20° | 220309 | 222386 | 225163 |
| 25° | 193826 | 196705 | 201036 |
| 30° | 170431 | 173444 | 178711 |
| 35° | 148275 | 153066 | 157055 |
| 40° | 129586 | 132992 | 136398 |
| 45° | 111764 | 115454 | 118214 |
| 50° | 99579 | 101592 | 102615 |
| 55° | 87662 | 88809 | 88809 |
| 60° | 77055 | 75740 | 77055 |
| 65° | 63353 | 64910 | 66466 |
| 70° | 49624 | 49624 | 51547 |
| 75° | 32788 | 30246 | 30246 |
| 80° | 18816 | 15027 | 11239 |
| 85° | 7548 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 118214 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 119.8 | 6.6 |
| 10°-20° | 303.6 | 16.7 |
| 20°-30° | 374.5 | 20.6 |
| 30°-40° | 356.8 | 19.6 |
| 40°-50° | 288.7 | 15.9 |
| 50°-60° | 207.9 | 11.4 |
| 60°-70° | 124.5 | 6.8 |
| 70°-80° | 41.7 | 2.3 |
| 80°-90° | 3.6 | 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° | 797.8 | 43.8 |
| 0°-40° | 1154.7 | 63.4 |
| 0°-60° | 1651.3 | 90.7 |
| 0°-90° | 1821.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1821.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1307 | 1307 | 1307 | 1307 | 1307 | |
| 5° | 1281 | 1281 | 1281 | 1281 | 1281 | 120 |
| 15° | 1081 | 1083 | 1087 | 1091 | 1096 | 302 |
| 25° | 801 | 806 | 813 | 826 | 831 | 369 |
| 35° | 554 | 558 | 572 | 582 | 587 | 348 |
| 45° | 360 | 366 | 372 | 379 | 381 | 281 |
| 55° | 229 | 229 | 232 | 232 | 232 | 206 |
| 65° | 122 | 125 | 125 | 128 | 128 | 122 |
| 75° | 39 | 39 | 36 | 36 | 36 | 43 |
| 85° | 3 | 3 | 0 | 0 | 0 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709050D010 E3CLDWW1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1307.4 | 1307.4 | 1307.4 | 1307.4 | 1307.4 | 1307.4 | 1307.4 | 1307.4 | 1307.4 | 1307.4 | 1307.4 |
| 2° | 1304.4 | 1304.4 | 1304.4 | 1304.4 | 1304.4 | 1304.4 | 1304.4 | 1304.4 | 1304.4 | 1304.4 | 1301.4 |
| 2.5° | 1304.4 | 1301.4 | 1301.4 | 1301.4 | 1301.4 | 1301.4 | 1301.4 | 1301.4 | 1301.4 | 1304.4 | 1301.4 |
| 5° | 1280.6 | 1280.6 | 1280.6 | 1280.6 | 1280.6 | 1280.6 | 1280.6 | 1280.6 | 1283.6 | 1280.6 | 1280.6 |
| 7.5° | 1244.9 | 1244.9 | 1244.9 | 1244.9 | 1247.8 | 1247.8 | 1247.8 | 1247.8 | 1250.8 | 1250.8 | 1247.8 |
| 10° | 1200.2 | 1200.2 | 1200.2 | 1200.2 | 1203.2 | 1203.2 | 1206.1 | 1203.2 | 1203.2 | 1206.1 | 1206.1 |
| 12.5° | 1146.6 | 1143.6 | 1143.6 | 1143.6 | 1146.6 | 1149.6 | 1149.6 | 1149.6 | 1152.5 | 1152.5 | 1152.5 |
| 15° | 1081.1 | 1081.1 | 1081.1 | 1084.0 | 1084.0 | 1087.0 | 1090.0 | 1090.0 | 1093.0 | 1093.0 | 1095.9 |
| 17.5° | 1015.5 | 1015.5 | 1012.6 | 1015.5 | 1018.5 | 1021.5 | 1024.5 | 1027.5 | 1030.4 | 1030.4 | 1030.4 |
| 20° | 944.1 | 941.1 | 944.1 | 947.0 | 950.0 | 953.0 | 956.0 | 961.9 | 964.9 | 964.9 | 964.9 |
| 22.5° | 872.6 | 869.6 | 872.6 | 875.6 | 878.5 | 881.5 | 890.5 | 893.4 | 896.4 | 896.4 | 902.4 |
| 25° | 801.1 | 801.1 | 804.1 | 807.1 | 810.0 | 813.0 | 819.0 | 824.9 | 827.9 | 830.9 | 830.9 |
| 27.5° | 735.6 | 735.6 | 735.6 | 735.6 | 741.6 | 747.5 | 753.5 | 759.4 | 762.4 | 765.4 | 765.4 |
| 30° | 673.1 | 670.1 | 670.1 | 673.1 | 679.0 | 685.0 | 690.9 | 696.9 | 699.9 | 702.8 | 705.8 |
| 32.5° | 610.5 | 610.5 | 610.5 | 613.5 | 616.5 | 625.4 | 631.4 | 634.3 | 640.3 | 643.3 | 643.3 |
| 35° | 553.9 | 553.9 | 553.9 | 559.9 | 565.8 | 571.8 | 574.8 | 580.7 | 586.7 | 586.7 | 586.7 |
| 37.5° | 506.3 | 509.3 | 515.2 | 512.2 | 512.2 | 515.2 | 518.2 | 524.1 | 530.1 | 530.1 | 530.1 |
| 40° | 452.7 | 455.7 | 458.6 | 455.7 | 458.6 | 464.6 | 467.6 | 470.5 | 473.5 | 476.5 | 476.5 |
| 42.5° | 402.0 | 402.0 | 402.0 | 405.0 | 411.0 | 414.0 | 419.9 | 422.9 | 425.9 | 425.9 | 425.9 |
| 45° | 360.4 | 360.4 | 363.3 | 366.3 | 369.3 | 372.3 | 375.2 | 378.2 | 381.2 | 381.2 | 381.2 |
| 47.5° | 324.6 | 324.6 | 327.6 | 327.6 | 330.6 | 333.5 | 336.5 | 336.5 | 339.5 | 342.5 | 339.5 |
| 50° | 291.9 | 291.9 | 291.9 | 294.8 | 294.8 | 297.8 | 297.8 | 300.8 | 300.8 | 300.8 | 300.8 |
| 52.5° | 259.1 | 259.1 | 259.1 | 259.1 | 262.1 | 262.1 | 262.1 | 265.1 | 265.1 | 265.1 | 265.1 |
| 55° | 229.3 | 229.3 | 229.3 | 229.3 | 229.3 | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 |
| 57.5° | 202.5 | 202.5 | 202.5 | 202.5 | 202.5 | 202.5 | 202.5 | 202.5 | 202.5 | 202.5 | 202.5 |
| 60° | 175.7 | 175.7 | 175.7 | 175.7 | 175.7 | 172.7 | 175.7 | 175.7 | 175.7 | 175.7 | 175.7 |
| 62.5° | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 151.9 | 151.9 | 151.9 | 151.9 |
| 65° | 122.1 | 125.1 | 125.1 | 125.1 | 125.1 | 125.1 | 125.1 | 128.1 | 128.1 | 128.1 | 128.1 |
| 67.5° | 98.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 101.3 | 104.2 | 104.2 | 104.2 |
| 70° | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 80.4 |
| 72.5° | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 56.6 | 56.6 | 56.6 |
| 75° | 38.7 | 38.7 | 38.7 | 38.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 77.5° | 26.8 | 26.8 | 26.8 | 23.8 | 23.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 17.9 |
| 80° | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 11.9 | 11.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 82.5° | 8.9 | 8.9 | 8.9 | 6.0 | 6.0 | 6.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 85° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 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)