

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: P3ART24R709035D010 E3LDWW1B

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: P3ART24R709035D010 E3LDWW1B
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LDWW1B TRIM
Light Source: -
Ballast/Driver: -

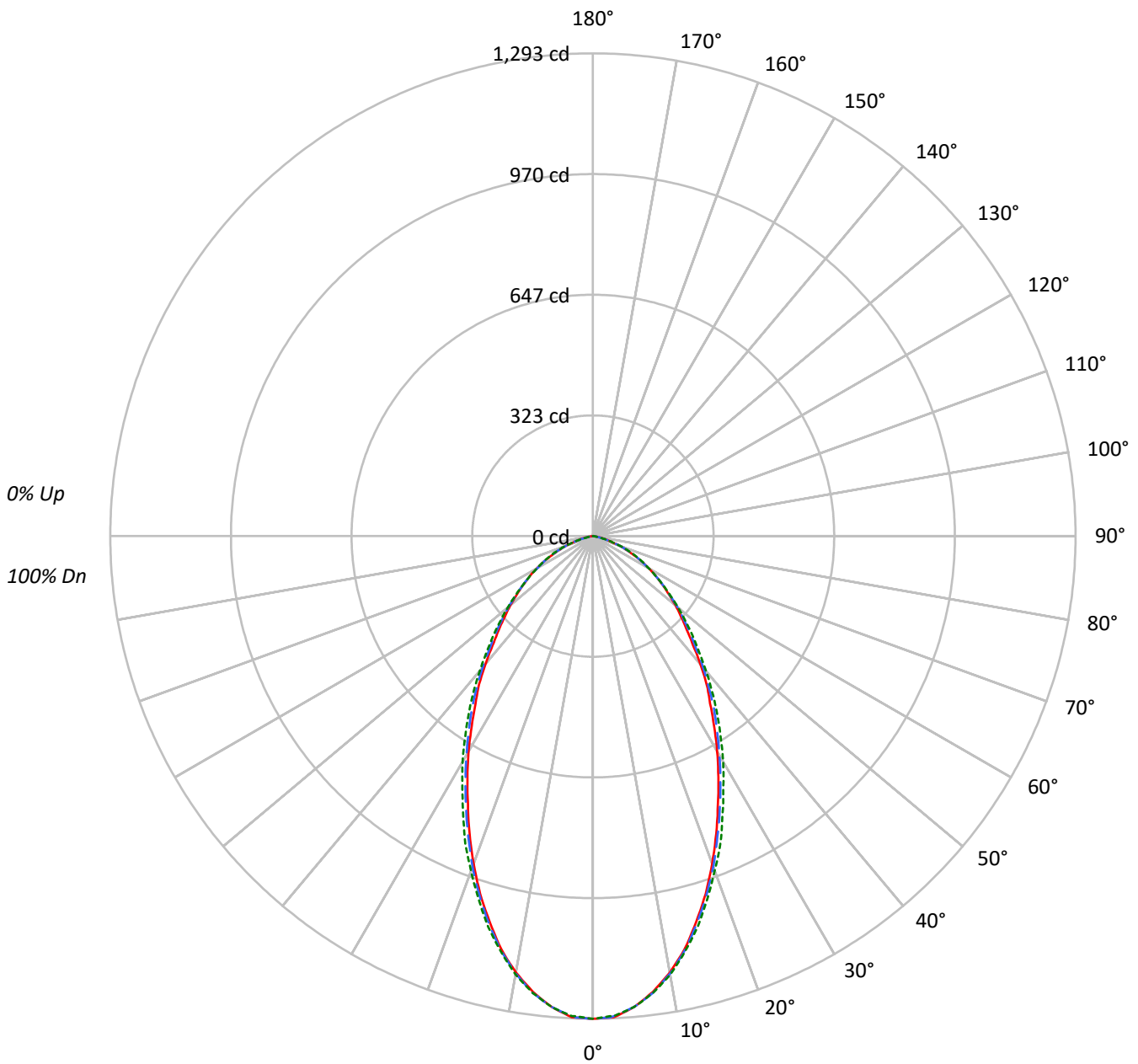
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1801.0 lumens
Efficiency: N/A
Efficacy: 62.5 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

TEST NUMBER: P#
CATALOG NUMBER: P3ART24R709035D010 E3LDWW1B

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 283530 | 283530 | 283530 |
| 5° | 278780 | 278780 | 278780 |
| 10° | 264301 | 264947 | 265615 |
| 15° | 242726 | 244065 | 246063 |
| 20° | 217882 | 219936 | 222689 |
| 25° | 191697 | 194552 | 198834 |
| 30° | 168558 | 171520 | 176761 |
| 35° | 146642 | 151380 | 155315 |
| 40° | 128154 | 131532 | 134910 |
| 45° | 110523 | 114182 | 116911 |
| 50° | 98487 | 100466 | 101489 |
| 55° | 86707 | 87815 | 87815 |
| 60° | 76222 | 74906 | 76222 |
| 65° | 62679 | 64183 | 65740 |
| 70° | 49111 | 49111 | 50970 |
| 75° | 32449 | 29907 | 29907 |
| 80° | 18563 | 14901 | 11113 |
| 85° | 7296 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 116911 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 118.5 | 6.6 |
| 10°-20° | 300.3 | 16.7 |
| 20°-30° | 370.3 | 20.6 |
| 30°-40° | 352.9 | 19.6 |
| 40°-50° | 285.5 | 15.9 |
| 50°-60° | 205.6 | 11.4 |
| 60°-70° | 123.1 | 6.8 |
| 70°-80° | 41.2 | 2.3 |
| 80°-90° | 3.5 | 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° | 789.1 | 43.8 |
| 0°-40° | 1142.0 | 63.4 |
| 0°-60° | 1633.1 | 90.7 |
| 0°-90° | 1801.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1801.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1293 | 1293 | 1293 | 1293 | 1293 | |
| 5° | 1266 | 1266 | 1266 | 1267 | 1266 | 118 |
| 15° | 1069 | 1071 | 1075 | 1079 | 1084 | 299 |
| 25° | 792 | 797 | 804 | 817 | 822 | 365 |
| 35° | 548 | 552 | 566 | 576 | 580 | 344 |
| 45° | 356 | 362 | 368 | 375 | 377 | 278 |
| 55° | 227 | 227 | 230 | 230 | 230 | 204 |
| 65° | 121 | 124 | 124 | 127 | 127 | 121 |
| 75° | 38 | 38 | 35 | 35 | 35 | 43 |
| 85° | 3 | 3 | 0 | 0 | 0 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART24R709035D010 E3LDWW1B

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1293.0 | 1293.0 | 1293.0 | 1293.0 | 1293.0 | 1293.0 | 1293.0 | 1293.0 | 1293.0 | 1293.0 | 1293.0 |
| 2° | 1290.1 | 1290.1 | 1290.1 | 1290.1 | 1290.1 | 1290.1 | 1290.1 | 1290.1 | 1290.1 | 1290.1 | 1287.1 |
| 2.5° | 1290.1 | 1287.1 | 1287.1 | 1287.1 | 1287.1 | 1287.1 | 1287.1 | 1287.1 | 1287.1 | 1290.1 | 1287.1 |
| 5° | 1266.5 | 1266.5 | 1266.5 | 1266.5 | 1266.5 | 1266.5 | 1266.5 | 1266.5 | 1269.5 | 1266.5 | 1266.5 |
| 7.5° | 1231.2 | 1231.2 | 1231.2 | 1231.2 | 1234.1 | 1234.1 | 1234.1 | 1234.1 | 1237.1 | 1237.1 | 1234.1 |
| 10° | 1187.0 | 1187.0 | 1187.0 | 1187.0 | 1189.9 | 1189.9 | 1192.9 | 1189.9 | 1189.9 | 1192.9 | 1192.9 |
| 12.5° | 1134.0 | 1131.0 | 1131.0 | 1131.0 | 1134.0 | 1136.9 | 1136.9 | 1136.9 | 1139.9 | 1139.9 | 1139.9 |
| 15° | 1069.2 | 1069.2 | 1069.2 | 1072.1 | 1072.1 | 1075.1 | 1078.0 | 1078.0 | 1081.0 | 1081.0 | 1083.9 |
| 17.5° | 1004.4 | 1004.4 | 1001.4 | 1004.4 | 1007.3 | 1010.3 | 1013.2 | 1016.2 | 1019.1 | 1019.1 | 1019.1 |
| 20° | 933.7 | 930.7 | 933.7 | 936.6 | 939.6 | 942.5 | 945.5 | 951.4 | 954.3 | 954.3 | 954.3 |
| 22.5° | 863.0 | 860.1 | 863.0 | 866.0 | 868.9 | 871.8 | 880.7 | 883.6 | 886.6 | 886.6 | 892.5 |
| 25° | 792.3 | 792.3 | 795.3 | 798.2 | 801.2 | 804.1 | 810.0 | 815.9 | 818.8 | 821.8 | 821.8 |
| 27.5° | 727.5 | 727.5 | 727.5 | 727.5 | 733.4 | 739.3 | 745.2 | 751.1 | 754.0 | 757.0 | 757.0 |
| 30° | 665.7 | 662.7 | 662.7 | 665.7 | 671.6 | 677.4 | 683.3 | 689.2 | 692.2 | 695.1 | 698.1 |
| 32.5° | 603.8 | 603.8 | 603.8 | 606.8 | 609.7 | 618.5 | 624.4 | 627.4 | 633.3 | 636.2 | 636.2 |
| 35° | 547.8 | 547.8 | 547.8 | 553.7 | 559.6 | 565.5 | 568.5 | 574.4 | 580.2 | 580.2 | 580.2 |
| 37.5° | 500.7 | 503.7 | 509.6 | 506.6 | 506.6 | 509.6 | 512.5 | 518.4 | 524.3 | 524.3 | 524.3 |
| 40° | 447.7 | 450.6 | 453.6 | 450.6 | 453.6 | 459.5 | 462.4 | 465.4 | 468.3 | 471.3 | 471.3 |
| 42.5° | 397.6 | 397.6 | 397.6 | 400.6 | 406.5 | 409.4 | 415.3 | 418.2 | 421.2 | 421.2 | 421.2 |
| 45° | 356.4 | 356.4 | 359.3 | 362.3 | 365.2 | 368.2 | 371.1 | 374.1 | 377.0 | 377.0 | 377.0 |
| 47.5° | 321.0 | 321.0 | 324.0 | 324.0 | 326.9 | 329.9 | 332.8 | 332.8 | 335.8 | 338.7 | 335.8 |
| 50° | 288.7 | 288.7 | 288.7 | 291.6 | 291.6 | 294.5 | 294.5 | 297.5 | 297.5 | 297.5 | 297.5 |
| 52.5° | 256.3 | 256.3 | 256.3 | 256.3 | 259.2 | 259.2 | 259.2 | 262.1 | 262.1 | 262.1 | 262.1 |
| 55° | 226.8 | 226.8 | 226.8 | 226.8 | 226.8 | 229.7 | 229.7 | 229.7 | 229.7 | 229.7 | 229.7 |
| 57.5° | 200.3 | 200.3 | 200.3 | 200.3 | 200.3 | 200.3 | 200.3 | 200.3 | 200.3 | 200.3 | 200.3 |
| 60° | 173.8 | 173.8 | 173.8 | 173.8 | 173.8 | 170.8 | 173.8 | 173.8 | 173.8 | 173.8 | 173.8 |
| 62.5° | 147.3 | 147.3 | 147.3 | 147.3 | 147.3 | 147.3 | 147.3 | 150.2 | 150.2 | 150.2 | 150.2 |
| 65° | 120.8 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 126.7 | 126.7 | 126.7 | 126.7 |
| 67.5° | 97.2 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 103.1 | 103.1 | 103.1 |
| 70° | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 79.5 |
| 72.5° | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 56.0 | 56.0 | 56.0 |
| 75° | 38.3 | 38.3 | 38.3 | 38.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 |
| 77.5° | 26.5 | 26.5 | 26.5 | 23.6 | 23.6 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 17.7 |
| 80° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 11.8 | 11.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 82.5° | 8.8 | 8.8 | 8.8 | 5.9 | 5.9 | 5.9 | 5.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 85° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 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)