

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: P3ART20R709840D010 E3LDWW1WH

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: P3ART20R709840D010 E3LDWW1WH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , E3LDWW1WH TRIM
Light Source: -
Ballast/Driver: -

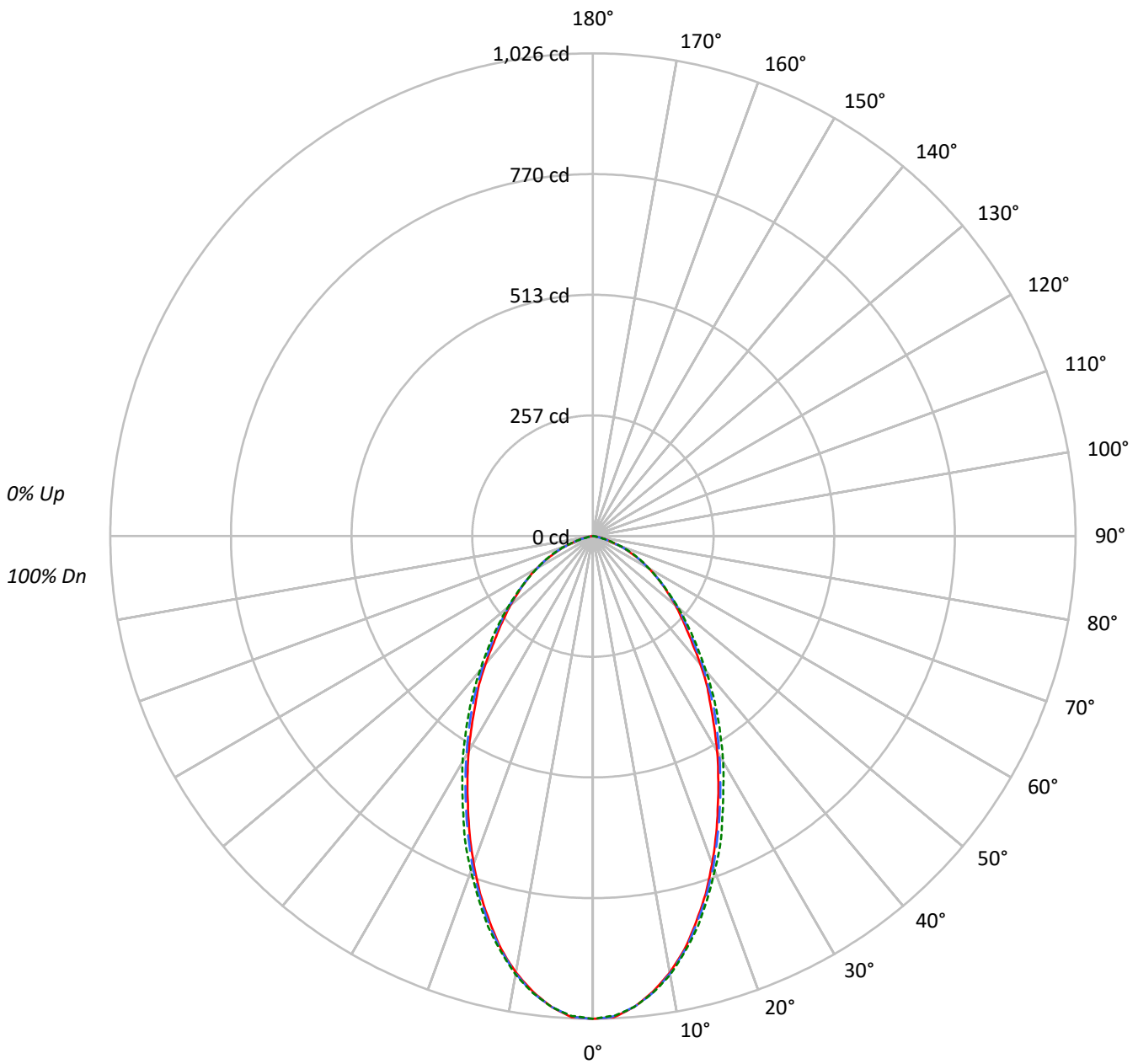
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1429.0 lumens
Efficiency: N/A
Efficacy: 52.2 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): 27.4
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: P3ART20R709840D010 E3LDWW1WH

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709840D010 E3LDWW1WH

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° | 224982 | 224982 | 224982 |
| 5° | 221197 | 221197 | 221197 |
| 10° | 209704 | 210239 | 210751 |
| 15° | 192578 | 193645 | 195234 |
| 20° | 172868 | 174502 | 176695 |
| 25° | 152114 | 154364 | 157751 |
| 30° | 133742 | 136097 | 140249 |
| 35° | 116366 | 120114 | 123246 |
| 40° | 101676 | 104367 | 107029 |
| 45° | 87699 | 90583 | 92754 |
| 50° | 78121 | 79724 | 80509 |
| 55° | 68815 | 69694 | 69694 |
| 60° | 60478 | 59425 | 60478 |
| 65° | 49707 | 50952 | 52146 |
| 70° | 38981 | 38981 | 40456 |
| 75° | 25756 | 23723 | 23723 |
| 80° | 14775 | 11744 | 8840 |
| 85° | 5787 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 92754 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 94.0 | 6.6 |
| 10°-20° | 238.3 | 16.7 |
| 20°-30° | 293.8 | 20.6 |
| 30°-40° | 280.0 | 19.6 |
| 40°-50° | 226.5 | 15.9 |
| 50°-60° | 163.2 | 11.4 |
| 60°-70° | 97.7 | 6.8 |
| 70°-80° | 32.7 | 2.3 |
| 80°-90° | 2.8 | 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° | 626.1 | 43.8 |
| 0°-40° | 906.1 | 63.4 |
| 0°-60° | 1295.8 | 90.7 |
| 0°-90° | 1429.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1429.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1026 | 1026 | 1026 | 1026 | 1026 | |
| 5° | 1005 | 1005 | 1005 | 1006 | 1005 | 94 |
| 15° | 848 | 850 | 853 | 856 | 860 | 237 |
| 25° | 629 | 633 | 638 | 648 | 652 | 289 |
| 35° | 435 | 438 | 449 | 457 | 460 | 273 |
| 45° | 283 | 287 | 292 | 297 | 299 | 220 |
| 55° | 180 | 180 | 182 | 182 | 182 | 162 |
| 65° | 96 | 98 | 98 | 100 | 100 | 96 |
| 75° | 30 | 30 | 28 | 28 | 28 | 34 |
| 85° | 2 | 2 | 0 | 0 | 0 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709840D010 E3LDWW1WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 |
| 2° | 1023.6 | 1023.6 | 1023.6 | 1023.6 | 1023.6 | 1023.6 | 1023.6 | 1023.6 | 1023.6 | 1023.6 | 1021.3 |
| 2.5° | 1023.6 | 1021.3 | 1021.3 | 1021.3 | 1021.3 | 1021.3 | 1021.3 | 1021.3 | 1021.3 | 1023.6 | 1021.3 |
| 5° | 1004.9 | 1004.9 | 1004.9 | 1004.9 | 1004.9 | 1004.9 | 1004.9 | 1004.9 | 1007.3 | 1004.9 | 1004.9 |
| 7.5° | 976.9 | 976.9 | 976.9 | 976.9 | 979.2 | 979.2 | 979.2 | 979.2 | 981.6 | 981.6 | 979.2 |
| 10° | 941.8 | 941.8 | 941.8 | 941.8 | 944.2 | 944.2 | 946.5 | 944.2 | 944.2 | 946.5 | 946.5 |
| 12.5° | 899.8 | 897.4 | 897.4 | 897.4 | 899.8 | 902.1 | 902.1 | 902.1 | 904.4 | 904.4 | 904.4 |
| 15° | 848.3 | 848.3 | 848.3 | 850.7 | 850.7 | 853.0 | 855.4 | 855.4 | 857.7 | 857.7 | 860.0 |
| 17.5° | 796.9 | 796.9 | 794.6 | 796.9 | 799.3 | 801.6 | 803.9 | 806.3 | 808.6 | 808.6 | 808.6 |
| 20° | 740.8 | 738.5 | 740.8 | 743.2 | 745.5 | 747.8 | 750.2 | 754.9 | 757.2 | 757.2 | 757.2 |
| 22.5° | 684.7 | 682.4 | 684.7 | 687.1 | 689.4 | 691.8 | 698.8 | 701.1 | 703.4 | 703.4 | 708.1 |
| 25° | 628.7 | 628.7 | 631.0 | 633.3 | 635.7 | 638.0 | 642.7 | 647.4 | 649.7 | 652.0 | 652.0 |
| 27.5° | 577.2 | 577.2 | 577.2 | 577.2 | 581.9 | 586.6 | 591.3 | 595.9 | 598.3 | 600.6 | 600.6 |
| 30° | 528.2 | 525.8 | 525.8 | 528.2 | 532.8 | 537.5 | 542.2 | 546.9 | 549.2 | 551.5 | 553.9 |
| 32.5° | 479.1 | 479.1 | 479.1 | 481.4 | 483.8 | 490.8 | 495.5 | 497.8 | 502.5 | 504.8 | 504.8 |
| 35° | 434.7 | 434.7 | 434.7 | 439.4 | 444.0 | 448.7 | 451.0 | 455.7 | 460.4 | 460.4 | 460.4 |
| 37.5° | 397.3 | 399.6 | 404.3 | 402.0 | 402.0 | 404.3 | 406.6 | 411.3 | 416.0 | 416.0 | 416.0 |
| 40° | 355.2 | 357.6 | 359.9 | 357.6 | 359.9 | 364.6 | 366.9 | 369.3 | 371.6 | 373.9 | 373.9 |
| 42.5° | 315.5 | 315.5 | 315.5 | 317.8 | 322.5 | 324.8 | 329.5 | 331.9 | 334.2 | 334.2 | 334.2 |
| 45° | 282.8 | 282.8 | 285.1 | 287.5 | 289.8 | 292.1 | 294.5 | 296.8 | 299.1 | 299.1 | 299.1 |
| 47.5° | 254.7 | 254.7 | 257.1 | 257.1 | 259.4 | 261.7 | 264.1 | 264.1 | 266.4 | 268.8 | 266.4 |
| 50° | 229.0 | 229.0 | 229.0 | 231.4 | 231.4 | 233.7 | 233.7 | 236.0 | 236.0 | 236.0 | 236.0 |
| 52.5° | 203.3 | 203.3 | 203.3 | 203.3 | 205.7 | 205.7 | 205.7 | 208.0 | 208.0 | 208.0 | 208.0 |
| 55° | 180.0 | 180.0 | 180.0 | 180.0 | 180.0 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 | 182.3 |
| 57.5° | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 | 158.9 |
| 60° | 137.9 | 137.9 | 137.9 | 137.9 | 137.9 | 135.5 | 137.9 | 137.9 | 137.9 | 137.9 | 137.9 |
| 62.5° | 116.9 | 116.9 | 116.9 | 116.9 | 116.9 | 116.9 | 116.9 | 119.2 | 119.2 | 119.2 | 119.2 |
| 65° | 95.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 100.5 | 100.5 | 100.5 | 100.5 |
| 67.5° | 77.1 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 81.8 | 81.8 | 81.8 |
| 70° | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 63.1 |
| 72.5° | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 44.4 | 44.4 | 44.4 |
| 75° | 30.4 | 30.4 | 30.4 | 30.4 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 77.5° | 21.0 | 21.0 | 21.0 | 18.7 | 18.7 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 | 14.0 |
| 80° | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 9.3 | 9.3 | 7.0 | 7.0 | 7.0 | 7.0 |
| 82.5° | 7.0 | 7.0 | 7.0 | 4.7 | 4.7 | 4.7 | 4.7 | 2.3 | 2.3 | 2.3 | 2.3 |
| 85° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 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)