

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: P3ART20R709740D010 E3LDWW1GPH

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: P3ART20R709740D010 E3LDWW1GPH
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3LDWW1GPH TRIM
Light Source: -
Ballast/Driver: -

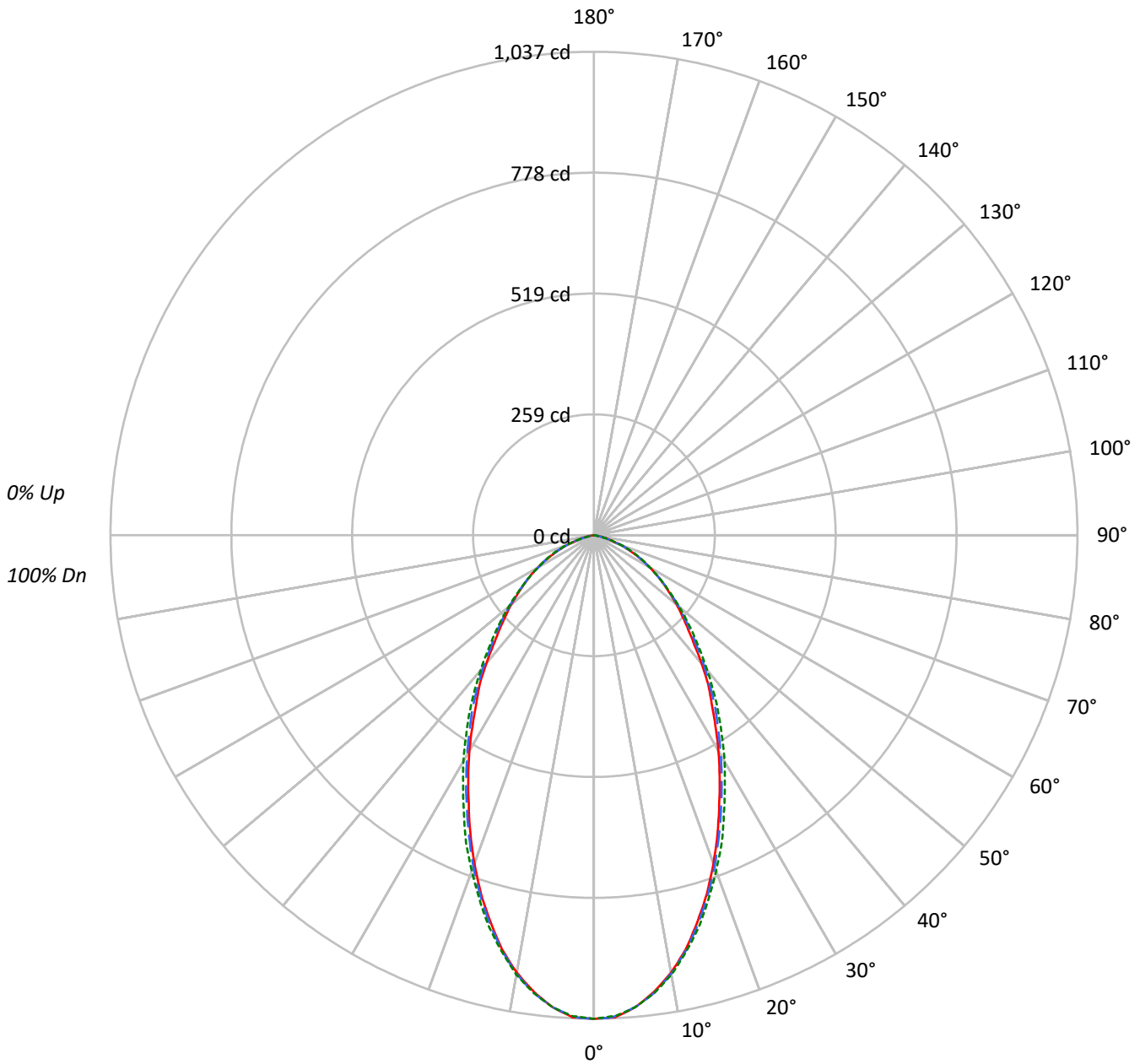
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1445.0 lumens
Efficiency: N/A
Efficacy: 50.2 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 (A_{in}): 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: P3ART20R709740D010 E3LDWW1GPH

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° | 227482 | 227482 | 227482 |
| 5° | 223684 | 223684 | 223684 |
| 10° | 212065 | 212577 | 213111 |
| 15° | 194734 | 195824 | 197436 |
| 20° | 174805 | 176462 | 178679 |
| 25° | 153807 | 156106 | 159517 |
| 30° | 135236 | 137616 | 141819 |
| 35° | 117678 | 121452 | 124611 |
| 40° | 102821 | 105541 | 108231 |
| 45° | 88660 | 91606 | 93808 |
| 50° | 79008 | 80611 | 81430 |
| 55° | 69579 | 70459 | 70459 |
| 60° | 61135 | 60127 | 61135 |
| 65° | 50278 | 51523 | 52716 |
| 70° | 39366 | 39366 | 40904 |
| 75° | 26010 | 24061 | 24061 |
| 80° | 14901 | 11996 | 8966 |
| 85° | 6038 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 93808 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.0 | 6.6 |
| 10°-20° | 240.9 | 16.7 |
| 20°-30° | 297.1 | 20.6 |
| 30°-40° | 283.1 | 19.6 |
| 40°-50° | 229.1 | 15.9 |
| 50°-60° | 165.0 | 11.4 |
| 60°-70° | 98.8 | 6.8 |
| 70°-80° | 33.1 | 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° | 633.1 | 43.8 |
| 0°-40° | 916.2 | 63.4 |
| 0°-60° | 1310.3 | 90.7 |
| 0°-90° | 1445.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1445.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1037 | 1037 | 1037 | 1037 | 1037 | |
| 5° | 1016 | 1016 | 1016 | 1017 | 1016 | 95 |
| 15° | 858 | 860 | 863 | 866 | 870 | 240 |
| 25° | 636 | 640 | 645 | 655 | 659 | 293 |
| 35° | 440 | 443 | 454 | 462 | 466 | 276 |
| 45° | 286 | 290 | 295 | 301 | 302 | 223 |
| 55° | 182 | 182 | 184 | 184 | 184 | 164 |
| 65° | 97 | 99 | 99 | 102 | 102 | 97 |
| 75° | 31 | 31 | 28 | 28 | 28 | 34 |
| 85° | 2 | 2 | 0 | 0 | 0 | 4 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709740D010 E3LDWW1GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1037.4 | 1037.4 | 1037.4 | 1037.4 | 1037.4 | 1037.4 | 1037.4 | 1037.4 | 1037.4 | 1037.4 | 1037.4 |
| 2° | 1035.1 | 1035.1 | 1035.1 | 1035.1 | 1035.1 | 1035.1 | 1035.1 | 1035.1 | 1035.1 | 1035.1 | 1032.7 |
| 2.5° | 1035.1 | 1032.7 | 1032.7 | 1032.7 | 1032.7 | 1032.7 | 1032.7 | 1032.7 | 1032.7 | 1035.1 | 1032.7 |
| 5° | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1018.5 | 1016.2 | 1016.2 |
| 7.5° | 987.8 | 987.8 | 987.8 | 987.8 | 990.2 | 990.2 | 990.2 | 990.2 | 992.5 | 992.5 | 990.2 |
| 10° | 952.4 | 952.4 | 952.4 | 952.4 | 954.7 | 954.7 | 957.1 | 954.7 | 954.7 | 957.1 | 957.1 |
| 12.5° | 909.8 | 907.5 | 907.5 | 907.5 | 909.8 | 912.2 | 912.2 | 912.2 | 914.6 | 914.6 | 914.6 |
| 15° | 857.8 | 857.8 | 857.8 | 860.2 | 860.2 | 862.6 | 864.9 | 864.9 | 867.3 | 867.3 | 869.7 |
| 17.5° | 805.8 | 805.8 | 803.5 | 805.8 | 808.2 | 810.6 | 812.9 | 815.3 | 817.7 | 817.7 | 817.7 |
| 20° | 749.1 | 746.8 | 749.1 | 751.5 | 753.9 | 756.2 | 758.6 | 763.3 | 765.7 | 765.7 | 765.7 |
| 22.5° | 692.4 | 690.1 | 692.4 | 694.8 | 697.1 | 699.5 | 706.6 | 709.0 | 711.3 | 711.3 | 716.0 |
| 25° | 635.7 | 635.7 | 638.1 | 640.4 | 642.8 | 645.2 | 649.9 | 654.6 | 657.0 | 659.3 | 659.3 |
| 27.5° | 583.7 | 583.7 | 583.7 | 583.7 | 588.4 | 593.2 | 597.9 | 602.6 | 605.0 | 607.3 | 607.3 |
| 30° | 534.1 | 531.7 | 531.7 | 534.1 | 538.8 | 543.5 | 548.3 | 553.0 | 555.4 | 557.7 | 560.1 |
| 32.5° | 484.5 | 484.5 | 484.5 | 486.8 | 489.2 | 496.3 | 501.0 | 503.4 | 508.1 | 510.5 | 510.5 |
| 35° | 439.6 | 439.6 | 439.6 | 444.3 | 449.0 | 453.7 | 456.1 | 460.8 | 465.5 | 465.5 | 465.5 |
| 37.5° | 401.7 | 404.1 | 408.8 | 406.5 | 406.5 | 408.8 | 411.2 | 415.9 | 420.6 | 420.6 | 420.6 |
| 40° | 359.2 | 361.6 | 363.9 | 361.6 | 363.9 | 368.7 | 371.0 | 373.4 | 375.7 | 378.1 | 378.1 |
| 42.5° | 319.0 | 319.0 | 319.0 | 321.4 | 326.1 | 328.5 | 333.2 | 335.6 | 337.9 | 337.9 | 337.9 |
| 45° | 285.9 | 285.9 | 288.3 | 290.7 | 293.0 | 295.4 | 297.8 | 300.1 | 302.5 | 302.5 | 302.5 |
| 47.5° | 257.6 | 257.6 | 260.0 | 260.0 | 262.3 | 264.7 | 267.0 | 267.0 | 269.4 | 271.8 | 269.4 |
| 50° | 231.6 | 231.6 | 231.6 | 234.0 | 234.0 | 236.3 | 236.3 | 238.7 | 238.7 | 238.7 | 238.7 |
| 52.5° | 205.6 | 205.6 | 205.6 | 205.6 | 208.0 | 208.0 | 208.0 | 210.3 | 210.3 | 210.3 | 210.3 |
| 55° | 182.0 | 182.0 | 182.0 | 182.0 | 182.0 | 184.3 | 184.3 | 184.3 | 184.3 | 184.3 | 184.3 |
| 57.5° | 160.7 | 160.7 | 160.7 | 160.7 | 160.7 | 160.7 | 160.7 | 160.7 | 160.7 | 160.7 | 160.7 |
| 60° | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 | 137.1 | 139.4 | 139.4 | 139.4 | 139.4 | 139.4 |
| 62.5° | 118.2 | 118.2 | 118.2 | 118.2 | 118.2 | 118.2 | 118.2 | 120.5 | 120.5 | 120.5 | 120.5 |
| 65° | 96.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 101.6 | 101.6 | 101.6 | 101.6 |
| 67.5° | 78.0 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 82.7 | 82.7 | 82.7 |
| 70° | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 63.8 |
| 72.5° | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 44.9 | 44.9 | 44.9 |
| 75° | 30.7 | 30.7 | 30.7 | 30.7 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 77.5° | 21.3 | 21.3 | 21.3 | 18.9 | 18.9 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 14.2 |
| 80° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 9.5 | 9.5 | 7.1 | 7.1 | 7.1 | 7.1 |
| 82.5° | 7.1 | 7.1 | 7.1 | 4.7 | 4.7 | 4.7 | 4.7 | 2.4 | 2.4 | 2.4 | 2.4 |
| 85° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 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)