

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: P3ART20R709050D010 E3LDWW1LI

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: P3ART20R709050D010 E3LDWW1LI
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3LDWW1LI TRIM
Light Source: -
Ballast/Driver: -

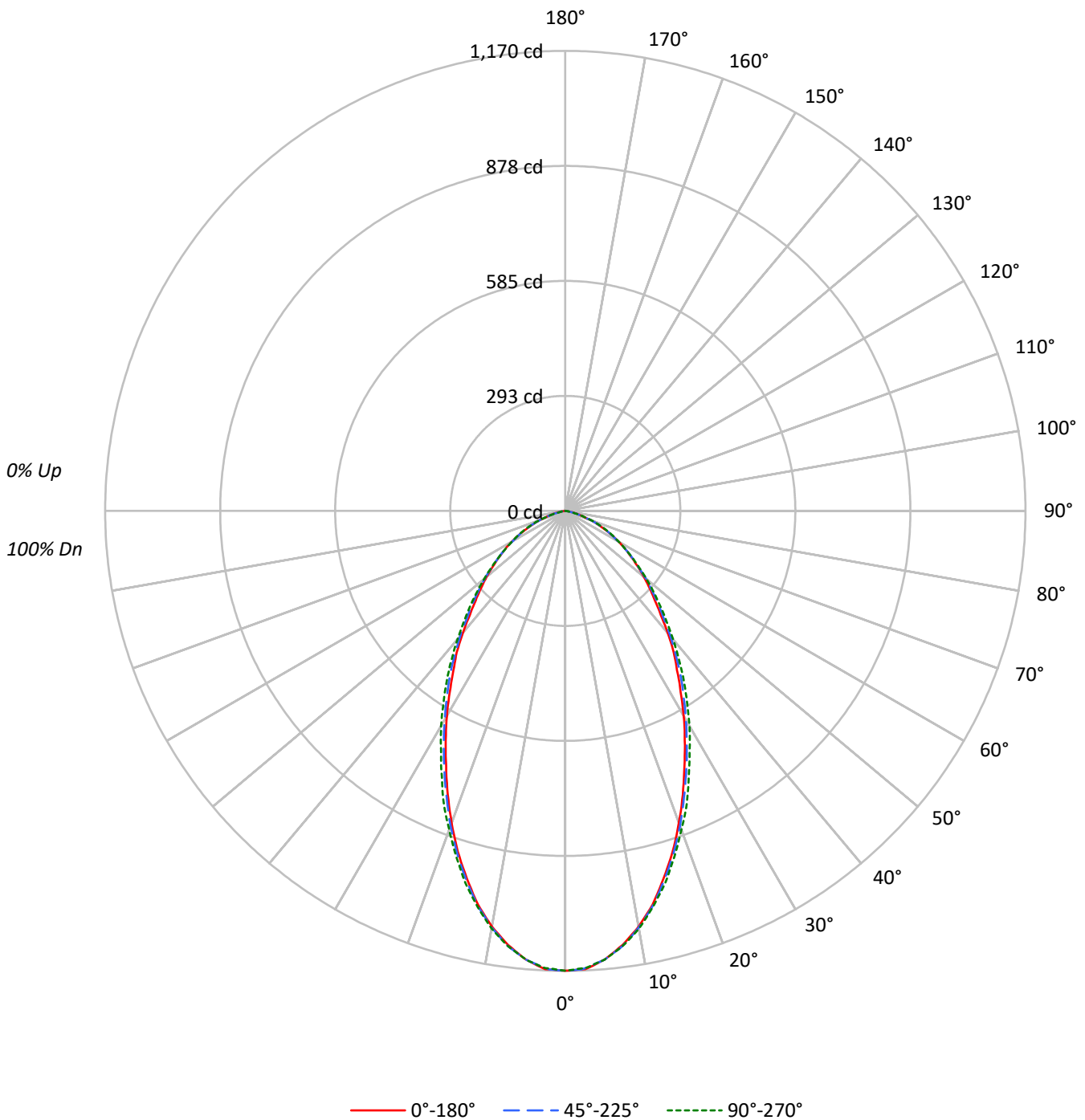
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1629.0 lumens
Efficiency: N/A
Efficacy: 56.6 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° | 256449 | 256449 | 256449 |
| 5° | 252168 | 252168 | 252168 |
| 10° | 239051 | 239653 | 240254 |
| 15° | 219547 | 220750 | 222567 |
| 20° | 197067 | 198934 | 201431 |
| 25° | 173381 | 175970 | 179841 |
| 30° | 152454 | 155138 | 159873 |
| 35° | 132642 | 136925 | 140485 |
| 40° | 115903 | 118966 | 122029 |
| 45° | 99979 | 103267 | 105747 |
| 50° | 89072 | 90880 | 91801 |
| 55° | 78411 | 79443 | 79443 |
| 60° | 68942 | 67758 | 68942 |
| 65° | 56660 | 58061 | 59462 |
| 70° | 44431 | 44431 | 46098 |
| 75° | 29314 | 27112 | 27112 |
| 80° | 16795 | 13512 | 10102 |
| 85° | 6793 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 105747 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 107.1 | 6.6 |
| 10°-20° | 271.6 | 16.7 |
| 20°-30° | 335.0 | 20.6 |
| 30°-40° | 319.2 | 19.6 |
| 40°-50° | 258.2 | 15.9 |
| 50°-60° | 186.0 | 11.4 |
| 60°-70° | 111.4 | 6.8 |
| 70°-80° | 37.3 | 2.3 |
| 80°-90° | 3.2 | 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° | 713.7 | 43.8 |
| 0°-40° | 1032.9 | 63.4 |
| 0°-60° | 1477.2 | 90.7 |
| 0°-90° | 1629.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1629.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 1170 | 1170 | 1170 | 1170 | 1170 | |
| 5° | 1146 | 1146 | 1146 | 1146 | 1146 | 107 |
| 15° | 967 | 969 | 972 | 976 | 980 | 270 |
| 25° | 717 | 721 | 727 | 739 | 743 | 330 |
| 35° | 496 | 500 | 512 | 521 | 525 | 311 |
| 45° | 322 | 327 | 333 | 339 | 341 | 251 |
| 55° | 205 | 205 | 208 | 208 | 208 | 185 |
| 65° | 109 | 112 | 112 | 115 | 115 | 110 |
| 75° | 35 | 35 | 32 | 32 | 32 | 39 |
| 85° | 3 | 3 | 0 | 0 | 0 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART20R709050D010 E3LDWW1LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 | 1169.5 |
| 2° | 1166.9 | 1166.9 | 1166.9 | 1166.9 | 1166.9 | 1166.9 | 1166.9 | 1166.9 | 1166.9 | 1166.9 | 1164.2 |
| 2.5° | 1166.9 | 1164.2 | 1164.2 | 1164.2 | 1164.2 | 1164.2 | 1164.2 | 1164.2 | 1164.2 | 1166.9 | 1164.2 |
| 5° | 1145.6 | 1145.6 | 1145.6 | 1145.6 | 1145.6 | 1145.6 | 1145.6 | 1145.6 | 1148.2 | 1145.6 | 1145.6 |
| 7.5° | 1113.6 | 1113.6 | 1113.6 | 1113.6 | 1116.3 | 1116.3 | 1116.3 | 1116.3 | 1118.9 | 1118.9 | 1116.3 |
| 10° | 1073.6 | 1073.6 | 1073.6 | 1073.6 | 1076.3 | 1076.3 | 1079.0 | 1076.3 | 1076.3 | 1079.0 | 1079.0 |
| 12.5° | 1025.7 | 1023.0 | 1023.0 | 1023.0 | 1025.7 | 1028.3 | 1028.3 | 1028.3 | 1031.0 | 1031.0 | 1031.0 |
| 15° | 967.1 | 967.1 | 967.1 | 969.7 | 969.7 | 972.4 | 975.1 | 975.1 | 977.7 | 977.7 | 980.4 |
| 17.5° | 908.5 | 908.5 | 905.8 | 908.5 | 911.1 | 913.8 | 916.5 | 919.1 | 921.8 | 921.8 | 921.8 |
| 20° | 844.5 | 841.9 | 844.5 | 847.2 | 849.9 | 852.5 | 855.2 | 860.5 | 863.2 | 863.2 | 863.2 |
| 22.5° | 780.6 | 777.9 | 780.6 | 783.2 | 785.9 | 788.6 | 796.6 | 799.2 | 801.9 | 801.9 | 807.2 |
| 25° | 716.6 | 716.6 | 719.3 | 722.0 | 724.6 | 727.3 | 732.6 | 738.0 | 740.6 | 743.3 | 743.3 |
| 27.5° | 658.0 | 658.0 | 658.0 | 658.0 | 663.4 | 668.7 | 674.0 | 679.3 | 682.0 | 684.7 | 684.7 |
| 30° | 602.1 | 599.4 | 599.4 | 602.1 | 607.4 | 612.7 | 618.1 | 623.4 | 626.1 | 628.7 | 631.4 |
| 32.5° | 546.1 | 546.1 | 546.1 | 548.8 | 551.5 | 559.5 | 564.8 | 567.5 | 572.8 | 575.4 | 575.4 |
| 35° | 495.5 | 495.5 | 495.5 | 500.9 | 506.2 | 511.5 | 514.2 | 519.5 | 524.8 | 524.8 | 524.8 |
| 37.5° | 452.9 | 455.6 | 460.9 | 458.2 | 458.2 | 460.9 | 463.6 | 468.9 | 474.2 | 474.2 | 474.2 |
| 40° | 404.9 | 407.6 | 410.3 | 407.6 | 410.3 | 415.6 | 418.3 | 420.9 | 423.6 | 426.3 | 426.3 |
| 42.5° | 359.7 | 359.7 | 359.7 | 362.3 | 367.6 | 370.3 | 375.6 | 378.3 | 381.0 | 381.0 | 381.0 |
| 45° | 322.4 | 322.4 | 325.0 | 327.7 | 330.4 | 333.0 | 335.7 | 338.3 | 341.0 | 341.0 | 341.0 |
| 47.5° | 290.4 | 290.4 | 293.1 | 293.1 | 295.7 | 298.4 | 301.0 | 301.0 | 303.7 | 306.4 | 303.7 |
| 50° | 261.1 | 261.1 | 261.1 | 263.7 | 263.7 | 266.4 | 266.4 | 269.1 | 269.1 | 269.1 | 269.1 |
| 52.5° | 231.8 | 231.8 | 231.8 | 231.8 | 234.4 | 234.4 | 234.4 | 237.1 | 237.1 | 237.1 | 237.1 |
| 55° | 205.1 | 205.1 | 205.1 | 205.1 | 205.1 | 207.8 | 207.8 | 207.8 | 207.8 | 207.8 | 207.8 |
| 57.5° | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 | 181.2 |
| 60° | 157.2 | 157.2 | 157.2 | 157.2 | 157.2 | 154.5 | 157.2 | 157.2 | 157.2 | 157.2 | 157.2 |
| 62.5° | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 133.2 | 135.9 | 135.9 | 135.9 | 135.9 |
| 65° | 109.2 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 111.9 | 114.6 | 114.6 | 114.6 | 114.6 |
| 67.5° | 87.9 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 93.2 | 93.2 | 93.2 |
| 70° | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 71.9 |
| 72.5° | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 50.6 | 50.6 | 50.6 |
| 75° | 34.6 | 34.6 | 34.6 | 34.6 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 | 32.0 |
| 77.5° | 24.0 | 24.0 | 24.0 | 21.3 | 21.3 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 16.0 |
| 80° | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 10.7 | 10.7 | 8.0 | 8.0 | 8.0 | 8.0 |
| 82.5° | 8.0 | 8.0 | 8.0 | 5.3 | 5.3 | 5.3 | 5.3 | 2.7 | 2.7 | 2.7 | 2.7 |
| 85° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 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)