

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: P3ART05R70W2N902765DE010 E3LDWW1H_2700K

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: P3ART05R70W2N902765DE010 E3LDWW1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LDWW1H TRIM
Light Source: -
Ballast/Driver: -

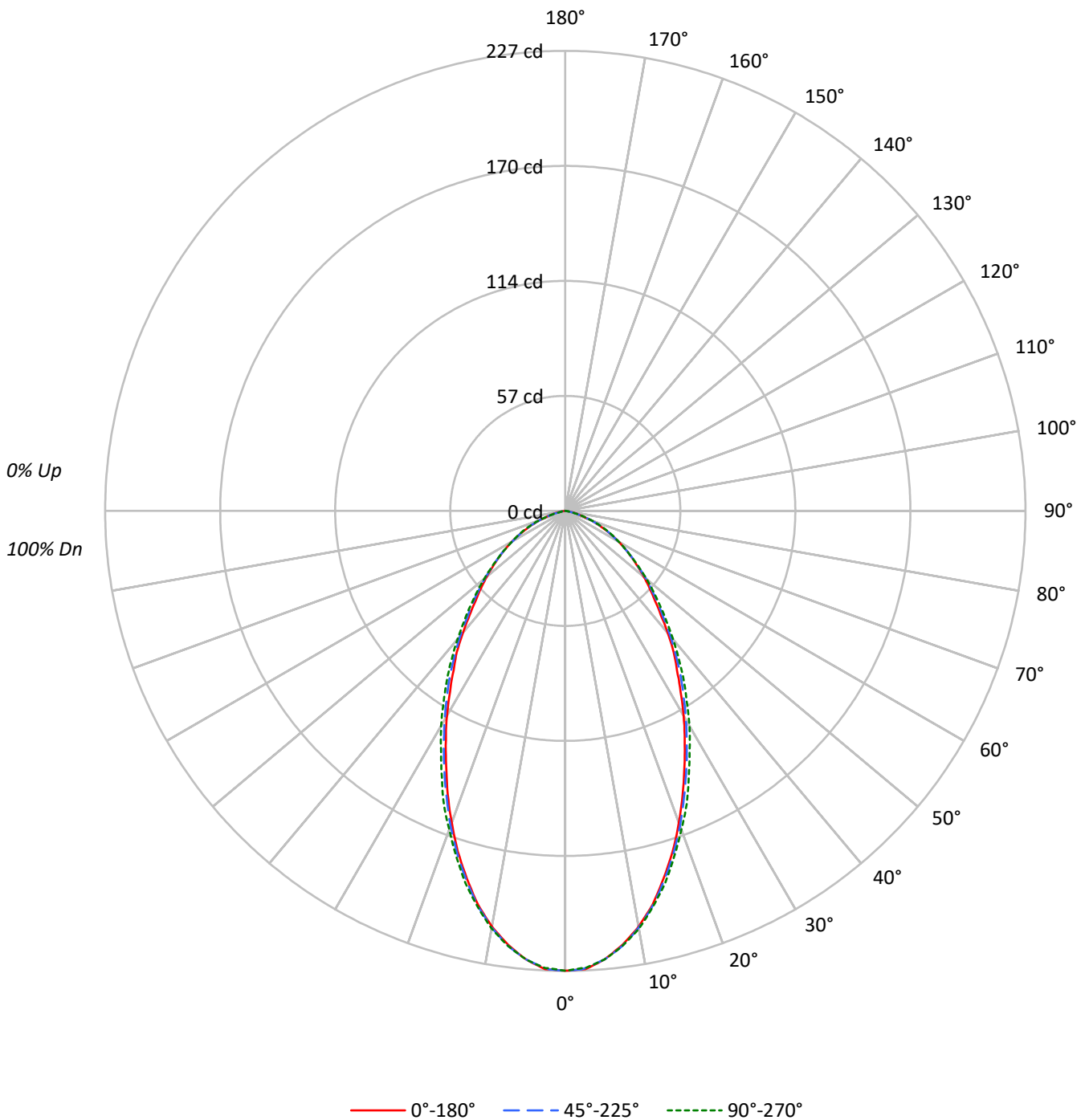
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 316.0 lumens
Efficiency: N/A
Efficacy: 53.6 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): 5.9
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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 97 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 87 | 84 | 88 | 85 | 82 | 85 | 83 | 80 | 80 | 80 | 80 | 78 |
| 3 | 96 | 87 | 81 | 75 | 94 | 86 | 80 | 75 | 83 | 78 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 71 | 71 | 71 | 69 |
| 4 | 89 | 79 | 72 | 66 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 73 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 63 | 61 |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 67 | 62 | 57 | 66 | 61 | 57 | 57 | 57 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 51 | 51 | 51 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 52 | 47 | 56 | 51 | 47 | 47 | 47 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 49 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 43 | 43 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 40 | 40 | 40 | 40 | 38 |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 46 | 40 | 37 | 37 | 37 | 37 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 49755 | 49755 | 49755 |
| 5° | 48910 | 48910 | 48910 |
| 10° | 46381 | 46492 | 46603 |
| 15° | 42588 | 42815 | 43178 |
| 20° | 38223 | 38597 | 39063 |
| 25° | 33631 | 34139 | 34889 |
| 30° | 29574 | 30106 | 31017 |
| 35° | 25725 | 26555 | 27251 |
| 40° | 22499 | 23072 | 23673 |
| 45° | 19382 | 20033 | 20498 |
| 50° | 17262 | 17637 | 17808 |
| 55° | 15216 | 15407 | 15407 |
| 60° | 13376 | 13157 | 13376 |
| 65° | 11000 | 11259 | 11519 |
| 70° | 8591 | 8591 | 8976 |
| 75° | 5676 | 5253 | 5253 |
| 80° | 3283 | 2652 | 2020 |
| 85° | 1258 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 20498 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 20.8 | 6.6 |
| 10°-20° | 52.7 | 16.7 |
| 20°-30° | 65.0 | 20.6 |
| 30°-40° | 61.9 | 19.6 |
| 40°-50° | 50.1 | 15.9 |
| 50°-60° | 36.1 | 11.4 |
| 60°-70° | 21.6 | 6.8 |
| 70°-80° | 7.2 | 2.3 |
| 80°-90° | 0.6 | 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° | 138.4 | 43.8 |
| 0°-40° | 200.4 | 63.4 |
| 0°-60° | 286.5 | 90.7 |
| 0°-90° | 316.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 316.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 227 | 227 | 227 | 227 | 227 | |
| 5° | 222 | 222 | 222 | 222 | 222 | 21 |
| 15° | 188 | 188 | 189 | 189 | 190 | 52 |
| 25° | 139 | 140 | 141 | 143 | 144 | 64 |
| 35° | 96 | 97 | 99 | 101 | 102 | 60 |
| 45° | 62 | 63 | 65 | 66 | 66 | 49 |
| 55° | 40 | 40 | 40 | 40 | 40 | 36 |
| 65° | 21 | 22 | 22 | 22 | 22 | 21 |
| 75° | 7 | 7 | 6 | 6 | 6 | 8 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70W2N902765DE010 E3LDWW1H_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 226.9 | 226.9 | 226.9 | 226.9 | 226.9 | 226.9 | 226.9 | 226.9 | 226.9 | 226.9 | 226.9 |
| 2° | 226.4 | 226.4 | 226.4 | 226.4 | 226.4 | 226.4 | 226.4 | 226.4 | 226.4 | 226.4 | 225.8 |
| 2.5° | 226.4 | 225.8 | 225.8 | 225.8 | 225.8 | 225.8 | 225.8 | 225.8 | 225.8 | 226.4 | 225.8 |
| 5° | 222.2 | 222.2 | 222.2 | 222.2 | 222.2 | 222.2 | 222.2 | 222.2 | 222.7 | 222.2 | 222.2 |
| 7.5° | 216.0 | 216.0 | 216.0 | 216.0 | 216.5 | 216.5 | 216.5 | 216.5 | 217.1 | 217.1 | 216.5 |
| 10° | 208.3 | 208.3 | 208.3 | 208.3 | 208.8 | 208.8 | 209.3 | 208.8 | 208.8 | 209.3 | 209.3 |
| 12.5° | 199.0 | 198.4 | 198.4 | 198.4 | 199.0 | 199.5 | 199.5 | 199.5 | 200.0 | 200.0 | 200.0 |
| 15° | 187.6 | 187.6 | 187.6 | 188.1 | 188.1 | 188.6 | 189.1 | 189.1 | 189.7 | 189.7 | 190.2 |
| 17.5° | 176.2 | 176.2 | 175.7 | 176.2 | 176.7 | 177.3 | 177.8 | 178.3 | 178.8 | 178.8 | 178.8 |
| 20° | 163.8 | 163.3 | 163.8 | 164.3 | 164.9 | 165.4 | 165.9 | 166.9 | 167.4 | 167.4 | 167.4 |
| 22.5° | 151.4 | 150.9 | 151.4 | 151.9 | 152.5 | 153.0 | 154.5 | 155.0 | 155.6 | 155.6 | 156.6 |
| 25° | 139.0 | 139.0 | 139.5 | 140.1 | 140.6 | 141.1 | 142.1 | 143.2 | 143.7 | 144.2 | 144.2 |
| 27.5° | 127.6 | 127.6 | 127.6 | 127.6 | 128.7 | 129.7 | 130.7 | 131.8 | 132.3 | 132.8 | 132.8 |
| 30° | 116.8 | 116.3 | 116.3 | 116.8 | 117.8 | 118.9 | 119.9 | 120.9 | 121.4 | 122.0 | 122.5 |
| 32.5° | 105.9 | 105.9 | 105.9 | 106.5 | 107.0 | 108.5 | 109.6 | 110.1 | 111.1 | 111.6 | 111.6 |
| 35° | 96.1 | 96.1 | 96.1 | 97.2 | 98.2 | 99.2 | 99.7 | 100.8 | 101.8 | 101.8 | 101.8 |
| 37.5° | 87.9 | 88.4 | 89.4 | 88.9 | 88.9 | 89.4 | 89.9 | 91.0 | 92.0 | 92.0 | 92.0 |
| 40° | 78.6 | 79.1 | 79.6 | 79.1 | 79.6 | 80.6 | 81.1 | 81.7 | 82.2 | 82.7 | 82.7 |
| 42.5° | 69.8 | 69.8 | 69.8 | 70.3 | 71.3 | 71.8 | 72.9 | 73.4 | 73.9 | 73.9 | 73.9 |
| 45° | 62.5 | 62.5 | 63.0 | 63.6 | 64.1 | 64.6 | 65.1 | 65.6 | 66.1 | 66.1 | 66.1 |
| 47.5° | 56.3 | 56.3 | 56.8 | 56.8 | 57.4 | 57.9 | 58.4 | 58.4 | 58.9 | 59.4 | 58.9 |
| 50° | 50.6 | 50.6 | 50.6 | 51.2 | 51.2 | 51.7 | 51.7 | 52.2 | 52.2 | 52.2 | 52.2 |
| 52.5° | 45.0 | 45.0 | 45.0 | 45.0 | 45.5 | 45.5 | 45.5 | 46.0 | 46.0 | 46.0 | 46.0 |
| 55° | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| 57.5° | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| 60° | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 | 30.0 | 30.5 | 30.5 | 30.5 | 30.5 | 30.5 |
| 62.5° | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 26.4 | 26.4 | 26.4 | 26.4 |
| 65° | 21.2 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 22.2 | 22.2 | 22.2 | 22.2 |
| 67.5° | 17.1 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 18.1 | 18.1 | 18.1 |
| 70° | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 14.0 |
| 72.5° | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.8 | 9.8 | 9.8 |
| 75° | 6.7 | 6.7 | 6.7 | 6.7 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 |
| 77.5° | 4.7 | 4.7 | 4.7 | 4.1 | 4.1 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.1 |
| 80° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.1 | 2.1 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 1.6 | 1.6 | 1.6 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 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)