

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: P1446860

Luminaire Tested: P3ART17R709827DE010 E3CLDWW1MW

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P1446860
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: P3ART17R709827DE010 E3CLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CLDWW1MW TRIM
Light Source: -
Ballast/Driver: -

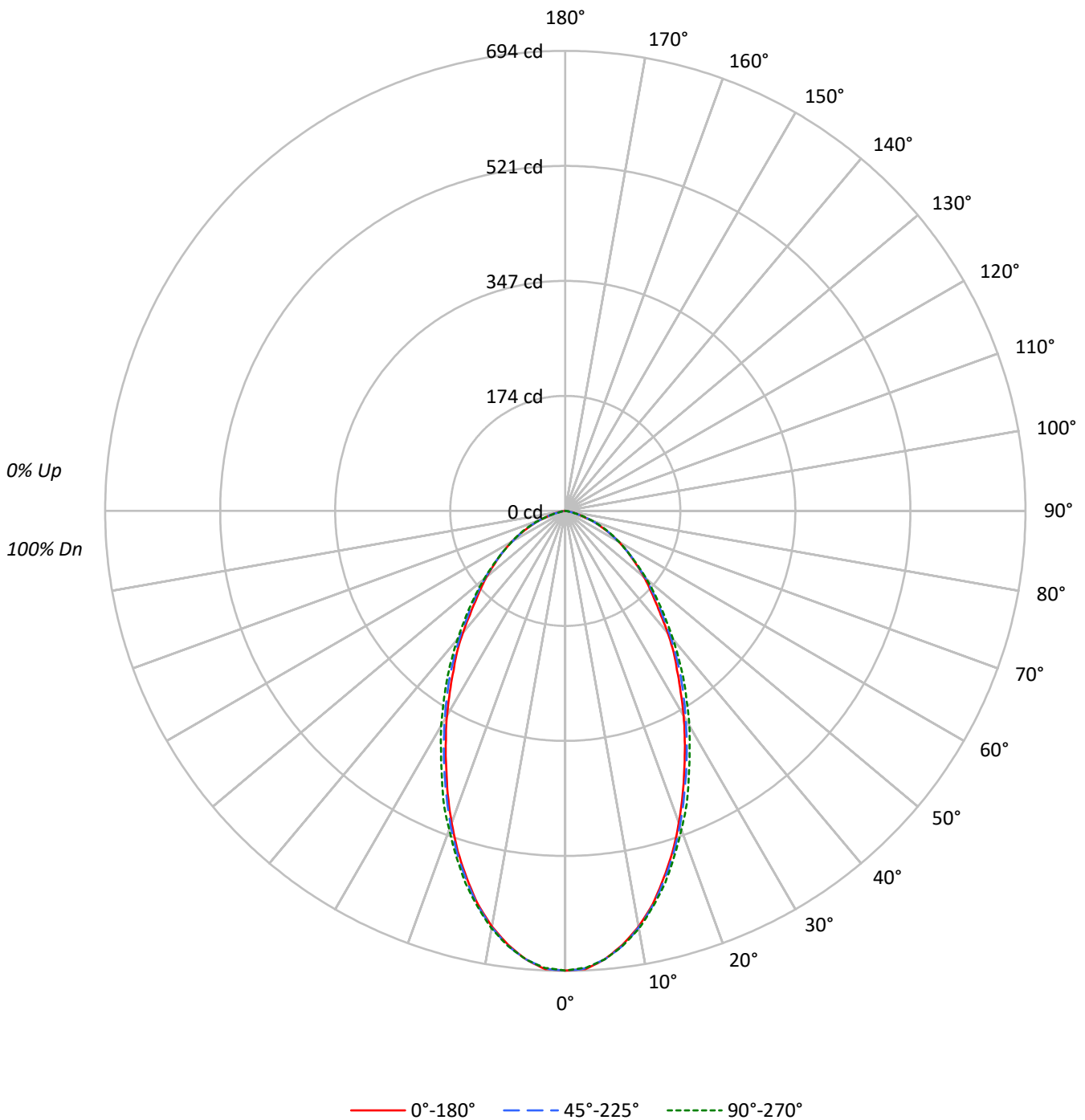
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 966.0 lumens
Efficiency: N/A
Efficacy: 47.4 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): 20.4
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

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Luminous Intensity Polar Plot





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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° | 152071 | 152071 | 152071 |
| 5° | 149526 | 149526 | 149526 |
| 10° | 141770 | 142104 | 142460 |
| 15° | 130194 | 130897 | 131987 |
| 20° | 116863 | 117960 | 119454 |
| 25° | 102829 | 104353 | 106651 |
| 30° | 90394 | 92014 | 94799 |
| 35° | 78648 | 81191 | 83306 |
| 40° | 68729 | 70561 | 72364 |
| 45° | 59293 | 61247 | 62704 |
| 50° | 52808 | 53900 | 54446 |
| 55° | 46488 | 47100 | 47100 |
| 60° | 40874 | 40172 | 40874 |
| 65° | 33622 | 34452 | 35231 |
| 70° | 26351 | 26351 | 27376 |
| 75° | 17368 | 16097 | 16097 |
| 80° | 9976 | 7956 | 5935 |
| 85° | 4026 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 62704 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.5 | 6.6 |
| 10°-20° | 161.1 | 16.7 |
| 20°-30° | 198.6 | 20.6 |
| 30°-40° | 189.3 | 19.6 |
| 40°-50° | 153.1 | 15.9 |
| 50°-60° | 110.3 | 11.4 |
| 60°-70° | 66.1 | 6.8 |
| 70°-80° | 22.1 | 2.3 |
| 80°-90° | 1.9 | 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° | 423.2 | 43.8 |
| 0°-40° | 612.5 | 63.4 |
| 0°-60° | 875.9 | 90.7 |
| 0°-90° | 966.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 966.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 694 | 694 | 694 | 694 | 694 | |
| 5° | 679 | 679 | 679 | 680 | 679 | 63 |
| 15° | 574 | 575 | 577 | 579 | 581 | 160 |
| 25° | 425 | 428 | 431 | 438 | 441 | 196 |
| 35° | 294 | 296 | 303 | 309 | 311 | 185 |
| 45° | 191 | 194 | 198 | 201 | 202 | 149 |
| 55° | 122 | 122 | 123 | 123 | 123 | 109 |
| 65° | 65 | 66 | 66 | 68 | 68 | 65 |
| 75° | 20 | 20 | 19 | 19 | 19 | 23 |
| 85° | 2 | 2 | 0 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1446860
 CATALOG NUMBER: P3ART17R709827DE010 E3CLDWW1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 | 693.5 |
| 2° | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 692.0 | 690.4 |
| 2.5° | 692.0 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 690.4 | 692.0 | 690.4 |
| 5° | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 679.3 | 680.9 | 679.3 | 679.3 |
| 7.5° | 660.4 | 660.4 | 660.4 | 660.4 | 661.9 | 661.9 | 661.9 | 661.9 | 663.5 | 663.5 | 661.9 |
| 10° | 636.7 | 636.7 | 636.7 | 636.7 | 638.2 | 638.2 | 639.8 | 638.2 | 638.2 | 639.8 | 639.8 |
| 12.5° | 608.2 | 606.7 | 606.7 | 606.7 | 608.2 | 609.8 | 609.8 | 609.8 | 611.4 | 611.4 | 611.4 |
| 15° | 573.5 | 573.5 | 573.5 | 575.1 | 575.1 | 576.6 | 578.2 | 578.2 | 579.8 | 579.8 | 581.4 |
| 17.5° | 538.7 | 538.7 | 537.1 | 538.7 | 540.3 | 541.9 | 543.5 | 545.0 | 546.6 | 546.6 | 546.6 |
| 20° | 500.8 | 499.2 | 500.8 | 502.4 | 504.0 | 505.5 | 507.1 | 510.3 | 511.9 | 511.9 | 511.9 |
| 22.5° | 462.9 | 461.3 | 462.9 | 464.5 | 466.0 | 467.6 | 472.4 | 473.9 | 475.5 | 475.5 | 478.7 |
| 25° | 425.0 | 425.0 | 426.6 | 428.1 | 429.7 | 431.3 | 434.5 | 437.6 | 439.2 | 440.8 | 440.8 |
| 27.5° | 390.2 | 390.2 | 390.2 | 390.2 | 393.4 | 396.5 | 399.7 | 402.9 | 404.4 | 406.0 | 406.0 |
| 30° | 357.0 | 355.5 | 355.5 | 357.0 | 360.2 | 363.4 | 366.5 | 369.7 | 371.3 | 372.8 | 374.4 |
| 32.5° | 323.9 | 323.9 | 323.9 | 325.4 | 327.0 | 331.8 | 334.9 | 336.5 | 339.7 | 341.2 | 341.2 |
| 35° | 293.8 | 293.8 | 293.8 | 297.0 | 300.2 | 303.3 | 304.9 | 308.1 | 311.2 | 311.2 | 311.2 |
| 37.5° | 268.6 | 270.2 | 273.3 | 271.7 | 271.7 | 273.3 | 274.9 | 278.0 | 281.2 | 281.2 | 281.2 |
| 40° | 240.1 | 241.7 | 243.3 | 241.7 | 243.3 | 246.5 | 248.0 | 249.6 | 251.2 | 252.8 | 252.8 |
| 42.5° | 213.3 | 213.3 | 213.3 | 214.9 | 218.0 | 219.6 | 222.8 | 224.3 | 225.9 | 225.9 | 225.9 |
| 45° | 191.2 | 191.2 | 192.7 | 194.3 | 195.9 | 197.5 | 199.1 | 200.6 | 202.2 | 202.2 | 202.2 |
| 47.5° | 172.2 | 172.2 | 173.8 | 173.8 | 175.4 | 176.9 | 178.5 | 178.5 | 180.1 | 181.7 | 180.1 |
| 50° | 154.8 | 154.8 | 154.8 | 156.4 | 156.4 | 158.0 | 158.0 | 159.6 | 159.6 | 159.6 | 159.6 |
| 52.5° | 137.4 | 137.4 | 137.4 | 137.4 | 139.0 | 139.0 | 139.0 | 140.6 | 140.6 | 140.6 | 140.6 |
| 55° | 121.6 | 121.6 | 121.6 | 121.6 | 121.6 | 123.2 | 123.2 | 123.2 | 123.2 | 123.2 | 123.2 |
| 57.5° | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 | 107.4 |
| 60° | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 91.6 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 62.5° | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 80.6 | 80.6 | 80.6 | 80.6 |
| 65° | 64.8 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 67.9 | 67.9 | 67.9 | 67.9 |
| 67.5° | 52.1 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 55.3 | 55.3 | 55.3 |
| 70° | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 42.7 |
| 72.5° | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 30.0 | 30.0 | 30.0 |
| 75° | 20.5 | 20.5 | 20.5 | 20.5 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| 77.5° | 14.2 | 14.2 | 14.2 | 12.6 | 12.6 | 11.1 | 11.1 | 11.1 | 11.1 | 11.1 | 9.5 |
| 80° | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 6.3 | 6.3 | 4.7 | 4.7 | 4.7 | 4.7 |
| 82.5° | 4.7 | 4.7 | 4.7 | 3.2 | 3.2 | 3.2 | 3.2 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 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)