

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: P3ART17R70W2N902765DE010 E3CLSWW1MW_4000K

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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART17R70W2N902765DE010 E3CLSWW1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.9 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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: P3ART17R70W2N902765DE010 E3CLSWW1MW_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3CLSWW1MW_4000K

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 | | |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 90 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | | |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 67911 | 67911 | 67911 | 67911 | 67911 |
| 5° | 83579 | 77812 | 66256 | 58155 | 55074 |
| 10° | 102091 | 87663 | 62346 | 48318 | 44421 |
| 15° | 123951 | 96141 | 56799 | 40114 | 35755 |
| 20° | 138845 | 102092 | 50638 | 32670 | 28983 |
| 25° | 147759 | 103312 | 44882 | 27098 | 22864 |
| 30° | 151542 | 100142 | 39424 | 23042 | 19497 |
| 35° | 146615 | 96958 | 34666 | 19675 | 16865 |
| 40° | 134252 | 91171 | 30543 | 17519 | 15028 |
| 45° | 118834 | 75977 | 27135 | 16281 | 13552 |
| 50° | 98487 | 65055 | 23880 | 14908 | 12520 |
| 55° | 74243 | 54173 | 22059 | 14031 | 11354 |
| 60° | 58329 | 40655 | 19955 | 13025 | 9955 |
| 65° | 43584 | 29938 | 17226 | 10896 | 8146 |
| 70° | 28018 | 19042 | 12310 | 7822 | 4488 |
| 75° | 11861 | 10336 | 5931 | 2965 | 1440 |
| 80° | 2147 | 2147 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 118834 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.4 | 4.8 |
| 10°-20° | 84.6 | 13.7 |
| 20°-30° | 123.6 | 20.0 |
| 30°-40° | 134.7 | 21.8 |
| 40°-50° | 116.6 | 18.9 |
| 50°-60° | 78.1 | 12.7 |
| 60°-70° | 40.3 | 6.5 |
| 70°-80° | 9.5 | 1.5 |
| 80°-90° | 0.1 | 0.0 |
| 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° | 237.6 | 38.5 |
| 0°-40° | 372.3 | 60.4 |
| 0°-60° | 567.0 | 91.9 |
| 0°-90° | 616.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 616.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 310 | 310 | 310 | 310 | 310 | |
| 5° | 380 | 354 | 301 | 264 | 250 | 39 |
| 15° | 546 | 424 | 250 | 177 | 158 | 155 |
| 25° | 611 | 427 | 186 | 112 | 94 | 281 |
| 35° | 548 | 362 | 130 | 74 | 63 | 339 |
| 45° | 383 | 245 | 88 | 52 | 44 | 293 |
| 55° | 194 | 142 | 58 | 37 | 30 | 180 |
| 65° | 84 | 58 | 33 | 21 | 16 | 85 |
| 75° | 14 | 12 | 7 | 4 | 2 | 18 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3CLSWW1MW_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 |
| 2.5° | 344.7 | 343.0 | 343.0 | 339.5 | 336.0 | 332.5 | 327.2 | 322.0 | 316.7 | 311.5 | 308.0 |
| 5° | 379.7 | 381.5 | 379.7 | 372.7 | 364.0 | 353.5 | 343.0 | 330.7 | 318.5 | 308.0 | 301.0 |
| 7.5° | 420.0 | 420.0 | 414.7 | 406.0 | 393.7 | 376.2 | 358.7 | 337.7 | 318.5 | 301.0 | 292.2 |
| 10° | 458.5 | 458.5 | 449.7 | 435.7 | 416.5 | 393.7 | 369.2 | 341.2 | 315.0 | 290.5 | 280.0 |
| 12.5° | 505.7 | 504.0 | 493.5 | 470.7 | 442.7 | 409.5 | 376.2 | 341.2 | 309.7 | 280.0 | 266.0 |
| 15° | 546.0 | 544.2 | 530.2 | 502.2 | 465.5 | 423.5 | 378.0 | 337.7 | 299.2 | 266.0 | 250.2 |
| 17.5° | 575.7 | 572.2 | 556.5 | 526.7 | 484.7 | 432.2 | 379.7 | 330.7 | 287.0 | 250.2 | 234.5 |
| 20° | 595.0 | 593.2 | 575.7 | 540.7 | 495.2 | 437.5 | 378.0 | 322.0 | 274.7 | 234.5 | 217.0 |
| 22.5° | 607.2 | 603.7 | 586.2 | 547.7 | 495.2 | 435.7 | 371.0 | 309.7 | 259.0 | 218.7 | 201.2 |
| 25° | 610.7 | 609.0 | 588.0 | 546.0 | 490.0 | 427.0 | 360.5 | 297.5 | 243.2 | 203.0 | 185.5 |
| 26° | 610.7 | 609.0 | 588.0 | 544.2 | 486.5 | 421.7 | 355.2 | 292.2 | 238.0 | 196.0 | 180.2 |
| 27.5° | 609.0 | 607.2 | 584.5 | 539.0 | 479.5 | 413.0 | 344.7 | 281.7 | 227.5 | 187.2 | 169.7 |
| 30° | 598.5 | 595.0 | 572.2 | 526.7 | 463.7 | 395.5 | 327.2 | 266.0 | 211.7 | 171.5 | 155.7 |
| 32.5° | 575.7 | 572.2 | 547.7 | 505.7 | 446.2 | 376.2 | 308.0 | 248.5 | 196.0 | 155.7 | 141.7 |
| 35° | 547.7 | 544.2 | 519.7 | 479.5 | 421.7 | 362.2 | 287.0 | 229.2 | 178.5 | 143.5 | 129.5 |
| 37.5° | 512.7 | 507.5 | 486.5 | 444.5 | 392.0 | 346.5 | 269.5 | 210.0 | 162.7 | 129.5 | 117.2 |
| 40° | 469.0 | 467.2 | 448.0 | 409.5 | 357.0 | 318.5 | 259.0 | 210.0 | 148.7 | 117.2 | 106.7 |
| 42.5° | 427.0 | 423.5 | 406.0 | 372.7 | 325.5 | 278.2 | 227.5 | 201.2 | 138.2 | 105.0 | 96.2 |
| 45° | 383.2 | 379.7 | 364.0 | 336.0 | 292.2 | 245.0 | 245.0 | 173.2 | 119.0 | 96.2 | 87.5 |
| 47.5° | 336.0 | 332.5 | 320.2 | 299.2 | 260.7 | 218.7 | 178.5 | 141.7 | 108.5 | 85.7 | 78.7 |
| 50° | 288.7 | 290.5 | 280.0 | 259.0 | 229.2 | 190.7 | 154.0 | 119.0 | 92.7 | 77.0 | 70.0 |
| 52.5° | 241.5 | 239.7 | 232.7 | 218.7 | 197.7 | 164.5 | 131.2 | 101.5 | 80.5 | 68.2 | 64.7 |
| 55° | 194.2 | 196.0 | 192.5 | 183.7 | 166.2 | 141.7 | 110.2 | 87.5 | 71.7 | 61.2 | 57.7 |
| 57.5° | 161.0 | 162.7 | 155.7 | 150.5 | 136.5 | 115.5 | 91.0 | 73.5 | 61.2 | 54.2 | 50.7 |
| 60° | 133.0 | 134.7 | 129.5 | 122.5 | 112.0 | 92.7 | 73.5 | 61.2 | 54.2 | 49.0 | 45.5 |
| 62.5° | 108.5 | 106.7 | 103.2 | 96.2 | 87.5 | 73.5 | 59.5 | 50.7 | 45.5 | 42.0 | 40.2 |
| 65° | 84.0 | 84.0 | 80.5 | 75.2 | 68.2 | 57.7 | 47.2 | 42.0 | 38.5 | 35.0 | 33.2 |
| 67.5° | 63.0 | 63.0 | 59.5 | 56.0 | 49.0 | 42.0 | 36.7 | 33.2 | 31.5 | 28.0 | 26.2 |
| 70° | 43.7 | 43.7 | 42.0 | 40.2 | 35.0 | 29.7 | 28.0 | 24.5 | 22.7 | 21.0 | 19.2 |
| 72.5° | 28.0 | 28.0 | 28.0 | 24.5 | 22.7 | 19.2 | 19.2 | 17.5 | 15.7 | 14.0 | 14.0 |
| 75° | 14.0 | 15.7 | 14.0 | 14.0 | 12.2 | 12.2 | 10.5 | 10.5 | 8.7 | 8.7 | 7.0 |
| 77.5° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3CLSWW1MW_4000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 | 309.7 |
| 2.5° | 304.5 | 299.2 | 295.7 | 290.5 | 287.0 | 283.5 | 281.7 | 280.0 | 280.0 | 280.0 |
| 5° | 295.7 | 287.0 | 278.2 | 269.5 | 264.2 | 259.0 | 253.7 | 252.0 | 250.2 | 250.2 |
| 7.5° | 285.2 | 271.2 | 259.0 | 248.5 | 239.7 | 234.5 | 229.2 | 225.7 | 224.0 | 224.0 |
| 10° | 271.2 | 253.7 | 239.7 | 225.7 | 217.0 | 210.0 | 206.5 | 201.2 | 201.2 | 199.5 |
| 12.5° | 255.5 | 234.5 | 218.7 | 206.5 | 197.7 | 189.0 | 183.7 | 180.2 | 178.5 | 178.5 |
| 15° | 238.0 | 217.0 | 199.5 | 185.5 | 176.7 | 168.0 | 162.7 | 159.2 | 157.5 | 157.5 |
| 17.5° | 220.5 | 197.7 | 180.2 | 166.2 | 157.5 | 148.7 | 143.5 | 140.0 | 140.0 | 138.2 |
| 20° | 203.0 | 180.2 | 162.7 | 148.7 | 140.0 | 133.0 | 127.7 | 124.2 | 122.5 | 124.2 |
| 22.5° | 187.2 | 164.5 | 147.0 | 134.7 | 124.2 | 117.2 | 112.0 | 110.2 | 108.5 | 108.5 |
| 25° | 169.7 | 148.7 | 133.0 | 120.7 | 112.0 | 105.0 | 99.7 | 98.0 | 96.2 | 94.5 |
| 26° | 164.5 | 143.5 | 127.7 | 115.5 | 106.7 | 99.7 | 96.2 | 92.7 | 91.0 | 91.0 |
| 27.5° | 157.5 | 134.7 | 120.7 | 108.5 | 99.7 | 94.5 | 89.2 | 87.5 | 85.7 | 85.7 |
| 30° | 141.7 | 122.5 | 108.5 | 98.0 | 91.0 | 84.0 | 80.5 | 78.7 | 77.0 | 77.0 |
| 32.5° | 129.5 | 110.2 | 98.0 | 89.2 | 82.2 | 77.0 | 73.5 | 70.0 | 70.0 | 70.0 |
| 35° | 117.2 | 99.7 | 89.2 | 80.5 | 73.5 | 68.2 | 66.5 | 64.7 | 63.0 | 63.0 |
| 37.5° | 106.7 | 91.0 | 80.5 | 73.5 | 68.2 | 63.0 | 59.5 | 57.7 | 57.7 | 57.7 |
| 40° | 96.2 | 84.0 | 73.5 | 66.5 | 61.2 | 57.7 | 54.2 | 52.5 | 52.5 | 52.5 |
| 42.5° | 87.5 | 75.2 | 68.2 | 61.2 | 56.0 | 52.5 | 50.7 | 49.0 | 47.2 | 47.2 |
| 45° | 80.5 | 70.0 | 61.2 | 56.0 | 52.5 | 49.0 | 45.5 | 43.7 | 43.7 | 43.7 |
| 47.5° | 71.7 | 64.7 | 56.0 | 50.7 | 47.2 | 43.7 | 42.0 | 40.2 | 40.2 | 40.2 |
| 50° | 66.5 | 59.5 | 52.5 | 47.2 | 43.7 | 40.2 | 38.5 | 36.7 | 36.7 | 36.7 |
| 52.5° | 59.5 | 54.2 | 49.0 | 43.7 | 40.2 | 36.7 | 35.0 | 33.2 | 33.2 | 33.2 |
| 55° | 54.2 | 49.0 | 43.7 | 40.2 | 36.7 | 33.2 | 31.5 | 29.7 | 29.7 | 29.7 |
| 57.5° | 49.0 | 43.7 | 40.2 | 36.7 | 33.2 | 31.5 | 28.0 | 28.0 | 26.2 | 26.2 |
| 60° | 43.7 | 38.5 | 35.0 | 33.2 | 29.7 | 28.0 | 24.5 | 22.7 | 22.7 | 22.7 |
| 62.5° | 36.7 | 35.0 | 31.5 | 28.0 | 24.5 | 22.7 | 21.0 | 19.2 | 19.2 | 19.2 |
| 65° | 31.5 | 29.7 | 26.2 | 22.7 | 21.0 | 19.2 | 17.5 | 15.7 | 15.7 | 15.7 |
| 67.5° | 26.2 | 22.7 | 21.0 | 19.2 | 17.5 | 15.7 | 14.0 | 12.2 | 10.5 | 12.2 |
| 70° | 19.2 | 17.5 | 15.7 | 14.0 | 12.2 | 10.5 | 8.7 | 8.7 | 7.0 | 7.0 |
| 72.5° | 12.2 | 10.5 | 10.5 | 8.7 | 7.0 | 7.0 | 5.2 | 5.2 | 3.5 | 3.5 |
| 75° | 7.0 | 7.0 | 5.2 | 5.2 | 3.5 | 3.5 | 1.7 | 1.7 | 1.7 | 1.7 |
| 77.5° | 3.5 | 1.7 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)