

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: P3ART13R70W2N902750DE010 E3CLDWW1MMS_5000K

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: P3ART13R70W2N902750DE010 E3CLDWW1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

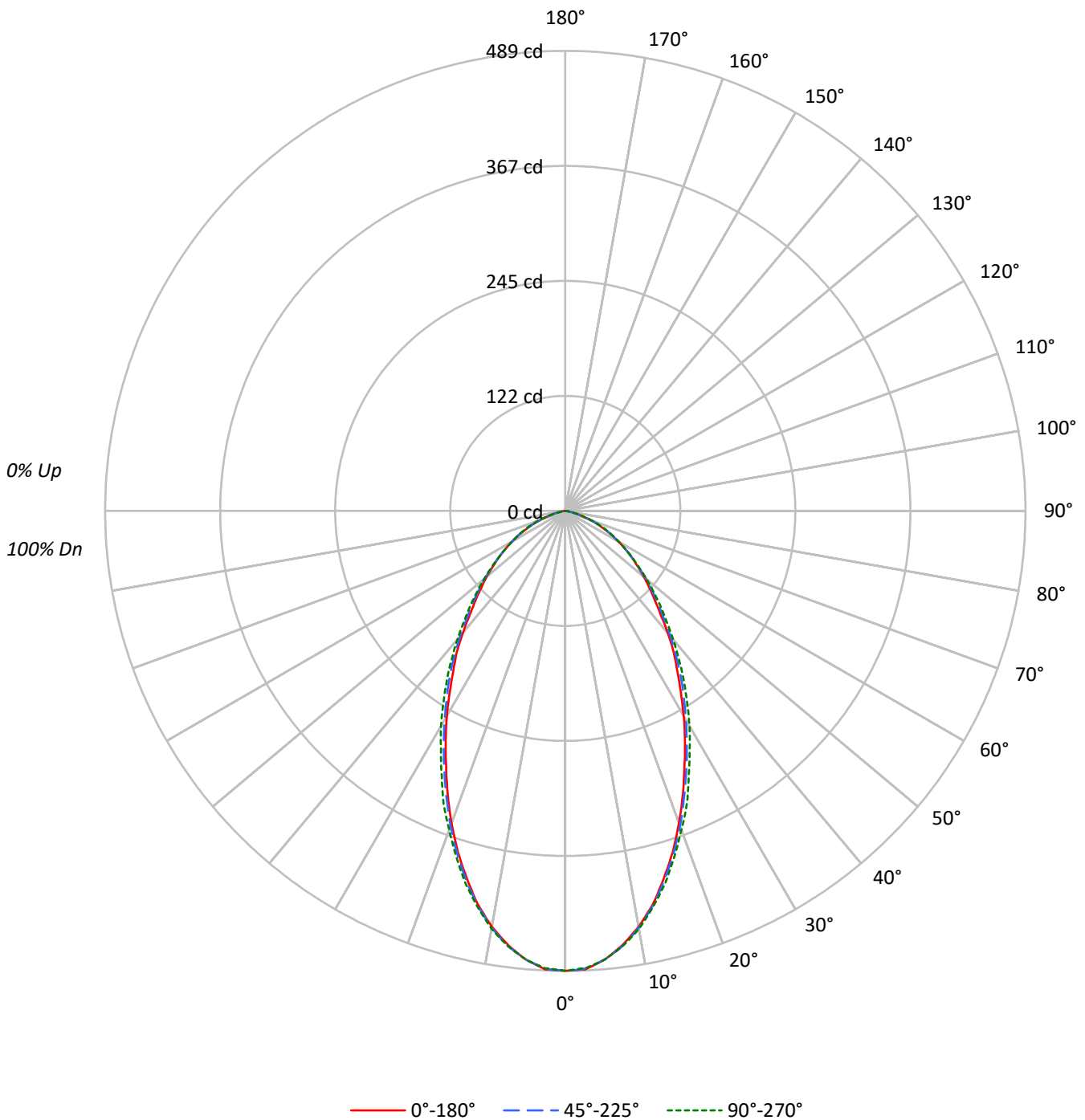
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 55.4 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): 12.3
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 | 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° | 107206 | 107206 | 107206 |
| 5° | 105415 | 105415 | 105415 |
| 10° | 99931 | 100176 | 100443 |
| 15° | 91783 | 92282 | 93054 |
| 20° | 82397 | 83167 | 84194 |
| 25° | 72488 | 73553 | 75174 |
| 30° | 63731 | 64871 | 66846 |
| 35° | 55466 | 57233 | 58732 |
| 40° | 48462 | 49722 | 51010 |
| 45° | 41803 | 43167 | 44222 |
| 50° | 37218 | 38003 | 38378 |
| 55° | 32802 | 33222 | 33222 |
| 60° | 28813 | 28331 | 28813 |
| 65° | 23712 | 24283 | 24854 |
| 70° | 18593 | 18593 | 19298 |
| 75° | 12285 | 11353 | 11353 |
| 80° | 7072 | 5683 | 4167 |
| 85° | 2768 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 44222 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.8 | 6.6 |
| 10°-20° | 113.5 | 16.7 |
| 20°-30° | 140.0 | 20.6 |
| 30°-40° | 133.4 | 19.6 |
| 40°-50° | 108.0 | 15.9 |
| 50°-60° | 77.8 | 11.4 |
| 60°-70° | 46.6 | 6.8 |
| 70°-80° | 15.6 | 2.3 |
| 80°-90° | 1.3 | 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° | 298.4 | 43.8 |
| 0°-40° | 431.8 | 63.4 |
| 0°-60° | 617.5 | 90.7 |
| 0°-90° | 681.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 681.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 489 | 489 | 489 | 489 | 489 | |
| 5° | 479 | 479 | 479 | 479 | 479 | 45 |
| 15° | 404 | 405 | 406 | 408 | 410 | 113 |
| 25° | 300 | 302 | 304 | 309 | 311 | 138 |
| 35° | 207 | 209 | 214 | 218 | 219 | 130 |
| 45° | 135 | 137 | 139 | 142 | 143 | 105 |
| 55° | 86 | 86 | 87 | 87 | 87 | 77 |
| 65° | 46 | 47 | 47 | 48 | 48 | 46 |
| 75° | 14 | 14 | 13 | 13 | 13 | 16 |
| 85° | 1 | 1 | 0 | 0 | 0 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 488.9 | 488.9 | 488.9 | 488.9 | 488.9 | 488.9 | 488.9 | 488.9 | 488.9 | 488.9 | 488.9 |
| 2° | 487.8 | 487.8 | 487.8 | 487.8 | 487.8 | 487.8 | 487.8 | 487.8 | 487.8 | 487.8 | 486.7 |
| 2.5° | 487.8 | 486.7 | 486.7 | 486.7 | 486.7 | 486.7 | 486.7 | 486.7 | 486.7 | 487.8 | 486.7 |
| 5° | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 478.9 | 480.0 | 478.9 | 478.9 |
| 7.5° | 465.5 | 465.5 | 465.5 | 465.5 | 466.7 | 466.7 | 466.7 | 466.7 | 467.8 | 467.8 | 466.7 |
| 10° | 448.8 | 448.8 | 448.8 | 448.8 | 449.9 | 449.9 | 451.1 | 449.9 | 449.9 | 451.1 | 451.1 |
| 12.5° | 428.8 | 427.7 | 427.7 | 427.7 | 428.8 | 429.9 | 429.9 | 429.9 | 431.0 | 431.0 | 431.0 |
| 15° | 404.3 | 404.3 | 404.3 | 405.4 | 405.4 | 406.5 | 407.6 | 407.6 | 408.7 | 408.7 | 409.9 |
| 17.5° | 379.8 | 379.8 | 378.7 | 379.8 | 380.9 | 382.0 | 383.1 | 384.2 | 385.3 | 385.3 | 385.3 |
| 20° | 353.1 | 351.9 | 353.1 | 354.2 | 355.3 | 356.4 | 357.5 | 359.7 | 360.8 | 360.8 | 360.8 |
| 22.5° | 326.3 | 325.2 | 326.3 | 327.4 | 328.5 | 329.7 | 333.0 | 334.1 | 335.2 | 335.2 | 337.5 |
| 25° | 299.6 | 299.6 | 300.7 | 301.8 | 302.9 | 304.0 | 306.3 | 308.5 | 309.6 | 310.7 | 310.7 |
| 27.5° | 275.1 | 275.1 | 275.1 | 275.1 | 277.3 | 279.5 | 281.8 | 284.0 | 285.1 | 286.2 | 286.2 |
| 30° | 251.7 | 250.6 | 250.6 | 251.7 | 253.9 | 256.2 | 258.4 | 260.6 | 261.7 | 262.8 | 264.0 |
| 32.5° | 228.3 | 228.3 | 228.3 | 229.4 | 230.5 | 233.9 | 236.1 | 237.2 | 239.5 | 240.6 | 240.6 |
| 35° | 207.2 | 207.2 | 207.2 | 209.4 | 211.6 | 213.8 | 214.9 | 217.2 | 219.4 | 219.4 | 219.4 |
| 37.5° | 189.3 | 190.4 | 192.7 | 191.6 | 191.6 | 192.7 | 193.8 | 196.0 | 198.2 | 198.2 | 198.2 |
| 40° | 169.3 | 170.4 | 171.5 | 170.4 | 171.5 | 173.7 | 174.9 | 176.0 | 177.1 | 178.2 | 178.2 |
| 42.5° | 150.4 | 150.4 | 150.4 | 151.5 | 153.7 | 154.8 | 157.0 | 158.1 | 159.3 | 159.3 | 159.3 |
| 45° | 134.8 | 134.8 | 135.9 | 137.0 | 138.1 | 139.2 | 140.3 | 141.4 | 142.6 | 142.6 | 142.6 |
| 47.5° | 121.4 | 121.4 | 122.5 | 122.5 | 123.6 | 124.7 | 125.9 | 125.9 | 127.0 | 128.1 | 127.0 |
| 50° | 109.1 | 109.1 | 109.1 | 110.3 | 110.3 | 111.4 | 111.4 | 112.5 | 112.5 | 112.5 | 112.5 |
| 52.5° | 96.9 | 96.9 | 96.9 | 96.9 | 98.0 | 98.0 | 98.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| 55° | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| 57.5° | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 60° | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 64.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| 62.5° | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 56.8 | 56.8 | 56.8 | 56.8 |
| 65° | 45.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 47.9 | 47.9 | 47.9 | 47.9 |
| 67.5° | 36.8 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 39.0 | 39.0 | 39.0 |
| 70° | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 30.1 |
| 72.5° | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 21.2 | 21.2 | 21.2 |
| 75° | 14.5 | 14.5 | 14.5 | 14.5 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| 77.5° | 10.0 | 10.0 | 10.0 | 8.9 | 8.9 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 6.7 |
| 80° | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 4.5 | 4.5 | 3.3 | 3.3 | 3.3 | 3.3 |
| 82.5° | 3.3 | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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)