

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: P3ART09R709830DE010 E3CLDWW1MMS

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: P3ART09R709830DE010 E3CLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CLDWW1MMS TRIM
Light Source: -
Ballast/Driver: -

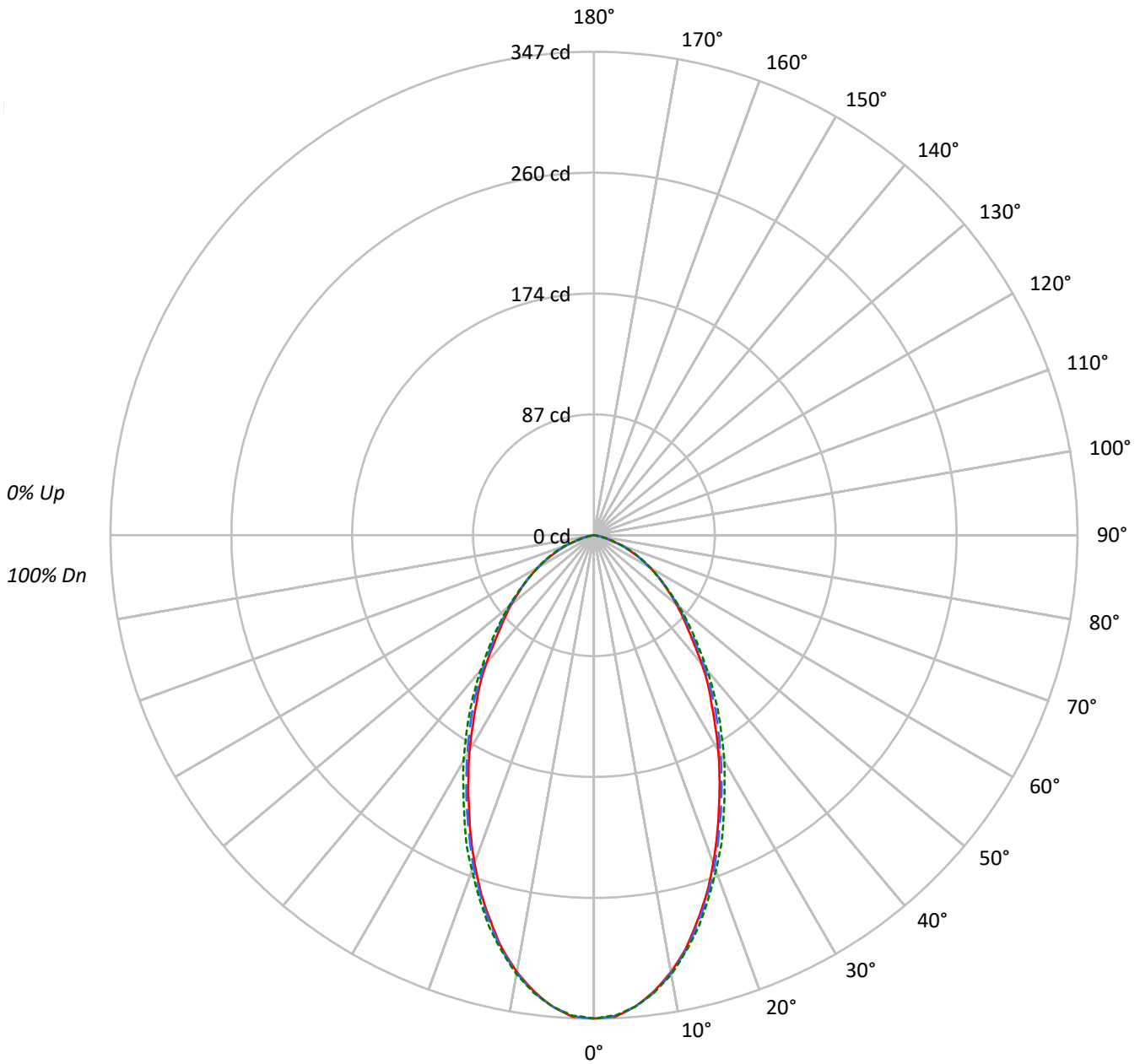
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 483.0 lumens
Efficiency: N/A
Efficacy: 43.9 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): 11
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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° | 76047 | 76047 | 76047 |
| 5° | 74774 | 74774 | 74774 |
| 10° | 70874 | 71052 | 71230 |
| 15° | 65086 | 65449 | 65994 |
| 20° | 58432 | 58992 | 59715 |
| 25° | 51414 | 52164 | 53326 |
| 30° | 45197 | 46007 | 47400 |
| 35° | 39324 | 40609 | 41653 |
| 40° | 34379 | 35266 | 36182 |
| 45° | 29646 | 30608 | 31352 |
| 50° | 26404 | 26950 | 27223 |
| 55° | 23244 | 23550 | 23550 |
| 60° | 20437 | 20086 | 20437 |
| 65° | 16811 | 17226 | 17641 |
| 70° | 13143 | 13143 | 13656 |
| 75° | 8727 | 8049 | 8049 |
| 80° | 4925 | 4041 | 3031 |
| 85° | 2013 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 75°
 Vertical Angle: 45°
 Luminance: 31352 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.8 | 6.6 |
| 10°-20° | 80.5 | 16.7 |
| 20°-30° | 99.3 | 20.6 |
| 30°-40° | 94.6 | 19.6 |
| 40°-50° | 76.6 | 15.9 |
| 50°-60° | 55.1 | 11.4 |
| 60°-70° | 33.0 | 6.8 |
| 70°-80° | 11.1 | 2.3 |
| 80°-90° | 0.9 | 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° | 211.6 | 43.8 |
| 0°-40° | 306.3 | 63.4 |
| 0°-60° | 438.0 | 90.7 |
| 0°-90° | 483.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 483.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 347 | 347 | 347 | 347 | 347 | |
| 5° | 340 | 340 | 340 | 340 | 340 | 32 |
| 15° | 287 | 287 | 288 | 289 | 291 | 80 |
| 25° | 212 | 214 | 216 | 219 | 220 | 98 |
| 35° | 147 | 148 | 152 | 154 | 156 | 92 |
| 45° | 96 | 97 | 99 | 100 | 101 | 74 |
| 55° | 61 | 61 | 62 | 62 | 62 | 55 |
| 65° | 32 | 33 | 33 | 34 | 34 | 32 |
| 75° | 10 | 10 | 10 | 10 | 10 | 12 |
| 85° | 1 | 1 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 346.8 | 346.8 | 346.8 | 346.8 | 346.8 | 346.8 | 346.8 | 346.8 | 346.8 | 346.8 | 346.8 |
| 2° | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 346.0 | 345.2 |
| 2.5° | 346.0 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 346.0 | 345.2 |
| 5° | 339.7 | 339.7 | 339.7 | 339.7 | 339.7 | 339.7 | 339.7 | 339.7 | 340.5 | 339.7 | 339.7 |
| 7.5° | 330.2 | 330.2 | 330.2 | 330.2 | 331.0 | 331.0 | 331.0 | 331.0 | 331.8 | 331.8 | 331.0 |
| 10° | 318.3 | 318.3 | 318.3 | 318.3 | 319.1 | 319.1 | 319.9 | 319.1 | 319.1 | 319.9 | 319.9 |
| 12.5° | 304.1 | 303.3 | 303.3 | 303.3 | 304.1 | 304.9 | 304.9 | 304.9 | 305.7 | 305.7 | 305.7 |
| 15° | 286.7 | 286.7 | 286.7 | 287.5 | 287.5 | 288.3 | 289.1 | 289.1 | 289.9 | 289.9 | 290.7 |
| 17.5° | 269.4 | 269.4 | 268.6 | 269.4 | 270.2 | 270.9 | 271.7 | 272.5 | 273.3 | 273.3 | 273.3 |
| 20° | 250.4 | 249.6 | 250.4 | 251.2 | 252.0 | 252.8 | 253.6 | 255.1 | 255.9 | 255.9 | 255.9 |
| 22.5° | 231.4 | 230.7 | 231.4 | 232.2 | 233.0 | 233.8 | 236.2 | 237.0 | 237.8 | 237.8 | 239.3 |
| 25° | 212.5 | 212.5 | 213.3 | 214.1 | 214.9 | 215.6 | 217.2 | 218.8 | 219.6 | 220.4 | 220.4 |
| 27.5° | 195.1 | 195.1 | 195.1 | 195.1 | 196.7 | 198.3 | 199.8 | 201.4 | 202.2 | 203.0 | 203.0 |
| 30° | 178.5 | 177.7 | 177.7 | 178.5 | 180.1 | 181.7 | 183.3 | 184.8 | 185.6 | 186.4 | 187.2 |
| 32.5° | 161.9 | 161.9 | 161.9 | 162.7 | 163.5 | 165.9 | 167.5 | 168.3 | 169.8 | 170.6 | 170.6 |
| 35° | 146.9 | 146.9 | 146.9 | 148.5 | 150.1 | 151.7 | 152.5 | 154.0 | 155.6 | 155.6 | 155.6 |
| 37.5° | 134.3 | 135.1 | 136.7 | 135.9 | 135.9 | 136.7 | 137.4 | 139.0 | 140.6 | 140.6 | 140.6 |
| 40° | 120.1 | 120.9 | 121.6 | 120.9 | 121.6 | 123.2 | 124.0 | 124.8 | 125.6 | 126.4 | 126.4 |
| 42.5° | 106.6 | 106.6 | 106.6 | 107.4 | 109.0 | 109.8 | 111.4 | 112.2 | 113.0 | 113.0 | 113.0 |
| 45° | 95.6 | 95.6 | 96.4 | 97.2 | 97.9 | 98.7 | 99.5 | 100.3 | 101.1 | 101.1 | 101.1 |
| 47.5° | 86.1 | 86.1 | 86.9 | 86.9 | 87.7 | 88.5 | 89.3 | 89.3 | 90.1 | 90.8 | 90.1 |
| 50° | 77.4 | 77.4 | 77.4 | 78.2 | 78.2 | 79.0 | 79.0 | 79.8 | 79.8 | 79.8 | 79.8 |
| 52.5° | 68.7 | 68.7 | 68.7 | 68.7 | 69.5 | 69.5 | 69.5 | 70.3 | 70.3 | 70.3 | 70.3 |
| 55° | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| 57.5° | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| 60° | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 45.8 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| 62.5° | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 40.3 | 40.3 | 40.3 | 40.3 |
| 65° | 32.4 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 34.0 | 34.0 | 34.0 | 34.0 |
| 67.5° | 26.1 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 27.6 | 27.6 | 27.6 |
| 70° | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 21.3 |
| 72.5° | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 | 15.0 | 15.0 | 15.0 |
| 75° | 10.3 | 10.3 | 10.3 | 10.3 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 77.5° | 7.1 | 7.1 | 7.1 | 6.3 | 6.3 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 4.7 |
| 80° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.2 | 3.2 | 2.4 | 2.4 | 2.4 | 2.4 |
| 82.5° | 2.4 | 2.4 | 2.4 | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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)