

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: P1274024

Luminaire Tested: P3A13R309830DE010 E3DLD1GPH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R309830DE010 E3DLD1GPH
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3DLD1GPH TRIM
Light Source: -
Ballast/Driver: -

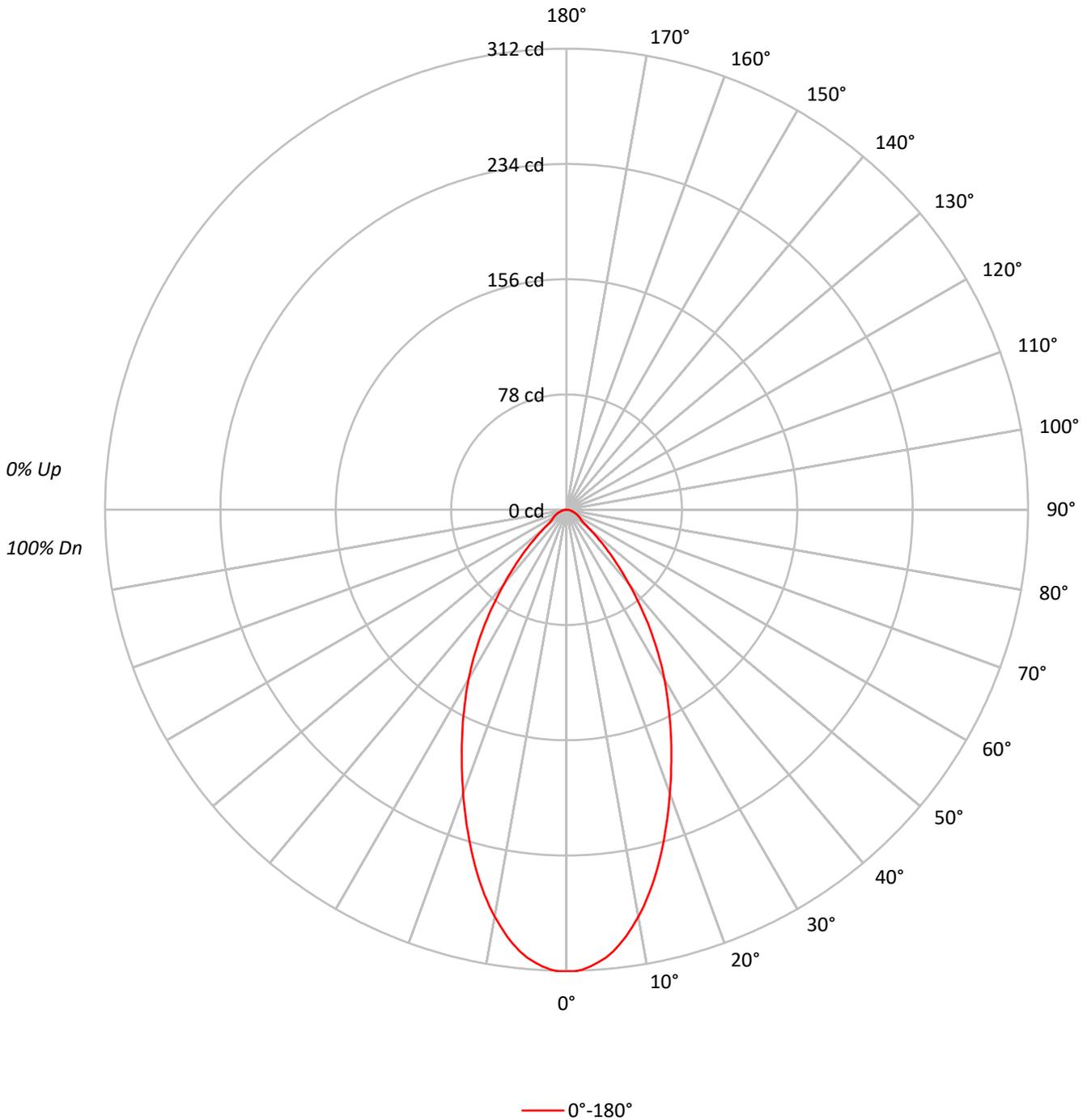
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 290.0 lumens
Efficiency: N/A
Efficacy: 20.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | 100 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 91 | | | 91 |
| 2 | 106 | 100 | 96 | 92 | 104 | 99 | 94 | 91 | 95 | 92 | 89 | 92 | 89 | 87 | 89 | 87 | 85 | 83 | | | 83 |
| 3 | 100 | 92 | 87 | 82 | 98 | 91 | 86 | 82 | 88 | 84 | 80 | 86 | 82 | 79 | 84 | 80 | 78 | 76 | | | 76 |
| 4 | 94 | 85 | 79 | 74 | 92 | 84 | 79 | 74 | 82 | 77 | 73 | 80 | 76 | 72 | 78 | 74 | 71 | 70 | | | 70 |
| 5 | 89 | 79 | 73 | 68 | 87 | 78 | 72 | 68 | 76 | 71 | 67 | 75 | 70 | 66 | 73 | 69 | 66 | 64 | | | 64 |
| 6 | 84 | 74 | 67 | 62 | 82 | 73 | 67 | 62 | 71 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | | 59 |
| 7 | 79 | 69 | 62 | 58 | 78 | 68 | 62 | 58 | 67 | 61 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 55 | | | 55 |
| 8 | 75 | 65 | 58 | 54 | 74 | 64 | 58 | 53 | 63 | 57 | 53 | 62 | 57 | 53 | 61 | 56 | 53 | 51 | | | 51 |
| 9 | 71 | 61 | 54 | 50 | 70 | 60 | 54 | 50 | 59 | 54 | 50 | 58 | 53 | 50 | 57 | 53 | 49 | 48 | | | 48 |
| 10 | 68 | 57 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 50 | 47 | 55 | 50 | 46 | 54 | 50 | 46 | 45 | | | 45 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 68503 |
| 5° | 66982 |
| 10° | 62279 |
| 15° | 55415 |
| 20° | 47674 |
| 25° | 40381 |
| 30° | 33524 |
| 35° | 26287 |
| 40° | 18835 |
| 45° | 12373 |
| 50° | 7027 |
| 55° | 4626 |
| 60° | 4386 |
| 65° | 4047 |
| 70° | 3654 |
| 75° | 3304 |
| 80° | 3157 |
| 85° | 2768 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12373 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.2 | 9.7 |
| 10°-20° | 67.9 | 23.4 |
| 20°-30° | 76.5 | 26.4 |
| 30°-40° | 61.1 | 21.1 |
| 40°-50° | 31.4 | 10.8 |
| 50°-60° | 11.8 | 4.1 |
| 60°-70° | 7.8 | 2.7 |
| 70°-80° | 4.2 | 1.4 |
| 80°-90° | 1.2 | 0.4 |
| 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° | 172.6 | 59.5 |
| 0°-40° | 233.7 | 80.6 |
| 0°-60° | 276.9 | 95.5 |
| 0°-90° | 290.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 290.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 312 | |
| 5° | 304 | 28 |
| 15° | 244 | 68 |
| 25° | 167 | 76 |
| 35° | 98 | 61 |
| 45° | 40 | 31 |
| 55° | 12 | 12 |
| 65° | 8 | 8 |
| 75° | 4 | 4 |
| 85° | 1 | 1 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 312.4 |
| 1° | 312.4 |
| 2° | 311.4 |
| 3° | 309.6 |
| 4° | 307.1 |
| 5° | 304.3 |
| 6° | 300.7 |
| 7° | 296.1 |
| 8° | 291.1 |
| 9° | 285.4 |
| 10° | 279.7 |
| 11° | 273.3 |
| 12° | 266.5 |
| 13° | 259.4 |
| 14° | 251.9 |
| 15° | 244.1 |
| 17.5° | 224.2 |
| 20° | 204.3 |
| 22.5° | 185.0 |
| 25° | 166.9 |
| 27.5° | 149.1 |
| 30° | 132.4 |
| 32.5° | 115.3 |
| 35° | 98.2 |
| 37.5° | 81.5 |
| 40° | 65.8 |
| 42.5° | 52.0 |
| 45° | 39.9 |
| 47.5° | 29.5 |
| 50° | 20.6 |
| 52.5° | 14.6 |
| 55° | 12.1 |
| 57.5° | 11.0 |
| 60° | 10.0 |
| 62.5° | 8.9 |
| 65° | 7.8 |
| 67.5° | 6.8 |
| 70° | 5.7 |
| 72.5° | 4.6 |
| 75° | 3.9 |
| 77.5° | 3.2 |
| 80° | 2.5 |
| 82.5° | 1.8 |
| 85° | 1.1 |
| 87.5° | 0.4 |



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)