

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: PORTFOLIO

Report Number: P1306947

Luminaire Tested: LDSQA3D09R159024DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159024DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

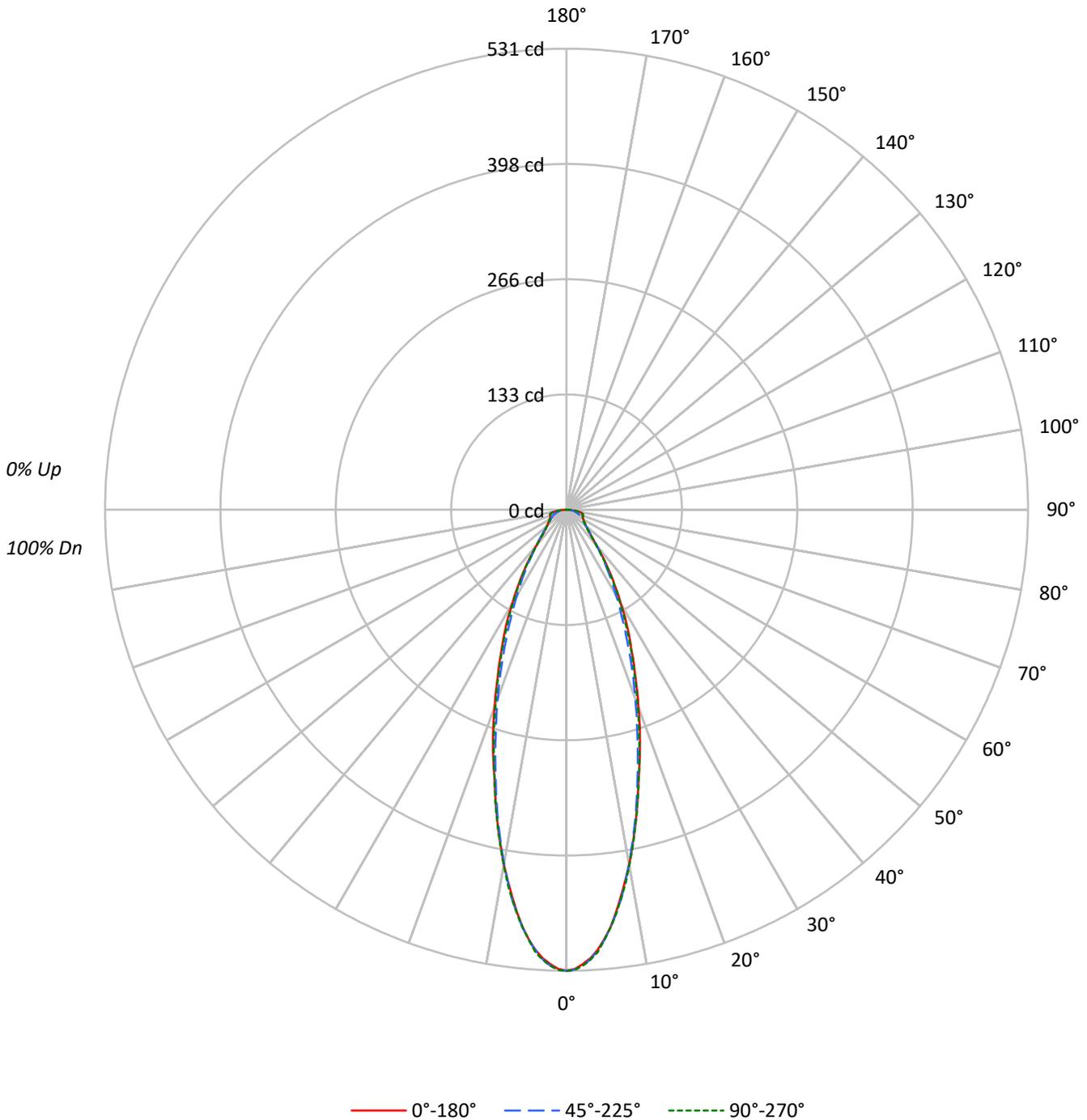
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 356.0 lumens
Efficiency: N/A
Efficacy: 32.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1306947

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 104 | 98 | 93 | 88 | 102 | 96 | 91 | 87 | 93 | 89 | 85 | 90 | 86 | 83 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 77 | 74 | 74 | 74 | 74 | 73 |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 68 | 68 | 68 | 66 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 63 | 61 |
| 6 | 82 | 72 | 65 | 60 | 81 | 71 | 65 | 60 | 70 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 57 |
| 7 | 78 | 68 | 61 | 56 | 77 | 67 | 60 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 53 |
| 8 | 74 | 64 | 57 | 52 | 73 | 63 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 52 | 52 | 52 | 50 |
| 9 | 71 | 60 | 54 | 49 | 70 | 60 | 53 | 49 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 49 | 49 | 49 | 49 | 47 |
| 10 | 68 | 57 | 51 | 47 | 67 | 57 | 51 | 47 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 46 | 46 | 46 | 46 | 45 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 91450 | 91450 | 91450 |
| 5° | 85887 | 86008 | 86008 |
| 10° | 72557 | 72330 | 72785 |
| 15° | 57055 | 56253 | 57180 |
| 20° | 44353 | 42337 | 43748 |
| 25° | 33483 | 31145 | 32989 |
| 30° | 24898 | 22710 | 24381 |
| 35° | 17766 | 16546 | 17492 |
| 40° | 12050 | 12185 | 11893 |
| 45° | 8963 | 9426 | 8963 |
| 50° | 7770 | 7770 | 7770 |
| 55° | 7567 | 7176 | 7567 |
| 60° | 7784 | 7096 | 7543 |
| 65° | 8395 | 7376 | 8395 |
| 70° | 10071 | 7452 | 10071 |
| 75° | 12909 | 7719 | 12909 |
| 80° | 15968 | 8331 | 15373 |
| 85° | 12844 | 7707 | 14030 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 15968 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.8 | 12.6 |
| 10°-20° | 88.5 | 24.9 |
| 20°-30° | 78.3 | 22.0 |
| 30°-40° | 51.4 | 14.4 |
| 40°-50° | 30.0 | 8.4 |
| 50°-60° | 22.1 | 6.2 |
| 60°-70° | 18.8 | 5.3 |
| 70°-80° | 15.6 | 4.4 |
| 80°-90° | 6.5 | 1.8 |
| 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 | 59.4 |
| 0°-40° | 263.0 | 73.9 |
| 0°-60° | 315.2 | 88.5 |
| 0°-90° | 356.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 356.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 531 | 531 | 531 | 531 | 531 | |
| 5° | 497 | 497 | 498 | 498 | 498 | 45 |
| 15° | 320 | 320 | 316 | 319 | 321 | 89 |
| 25° | 176 | 170 | 164 | 168 | 174 | 81 |
| 35° | 84 | 81 | 79 | 81 | 83 | 53 |
| 45° | 37 | 37 | 39 | 37 | 37 | 30 |
| 55° | 25 | 24 | 24 | 24 | 25 | 23 |
| 65° | 21 | 19 | 18 | 19 | 21 | 21 |
| 75° | 19 | 14 | 12 | 15 | 19 | 20 |
| 85° | 6 | 7 | 4 | 6 | 7 | 7 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1306947

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 531.0 | 531.0 | 531.0 | 531.0 | 531.0 |
| 1° | 529.1 | 529.8 | 529.8 | 530.4 | 530.4 |
| 2° | 523.9 | 525.2 | 525.9 | 525.9 | 525.9 |
| 3° | 517.5 | 518.1 | 518.8 | 519.4 | 519.4 |
| 4° | 508.5 | 509.1 | 509.1 | 510.4 | 511.0 |
| 5° | 496.8 | 496.8 | 497.5 | 498.1 | 497.5 |
| 6° | 483.3 | 483.3 | 483.9 | 483.9 | 483.9 |
| 7° | 467.2 | 467.8 | 468.5 | 469.1 | 468.5 |
| 8° | 449.7 | 450.4 | 452.3 | 452.3 | 451.7 |
| 9° | 432.3 | 433.0 | 433.0 | 434.9 | 434.9 |
| 10° | 414.9 | 414.9 | 413.6 | 414.9 | 416.2 |
| 12.5° | 367.8 | 367.1 | 365.2 | 367.1 | 368.4 |
| 15° | 320.0 | 320.0 | 315.5 | 319.4 | 320.7 |
| 17.5° | 281.3 | 275.5 | 271.0 | 274.9 | 278.1 |
| 20° | 242.0 | 236.2 | 231.0 | 234.9 | 238.7 |
| 22.5° | 206.5 | 202.0 | 195.5 | 199.4 | 203.9 |
| 25° | 176.2 | 170.3 | 163.9 | 168.4 | 173.6 |
| 27.5° | 151.0 | 143.2 | 136.8 | 142.0 | 146.5 |
| 30° | 125.2 | 120.0 | 114.2 | 118.1 | 122.6 |
| 32.5° | 103.2 | 99.4 | 94.9 | 98.1 | 102.0 |
| 35° | 84.5 | 81.3 | 78.7 | 80.7 | 83.2 |
| 37.5° | 67.8 | 66.5 | 65.2 | 65.8 | 65.8 |
| 40° | 53.6 | 54.2 | 54.2 | 54.2 | 52.9 |
| 42.5° | 43.9 | 44.5 | 45.8 | 44.5 | 43.9 |
| 45° | 36.8 | 37.4 | 38.7 | 37.4 | 36.8 |
| 47.5° | 32.3 | 32.9 | 33.6 | 32.3 | 32.3 |
| 50° | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 |
| 52.5° | 27.1 | 26.5 | 26.5 | 26.5 | 27.1 |
| 55° | 25.2 | 24.5 | 23.9 | 24.5 | 25.2 |
| 57.5° | 23.2 | 22.6 | 21.9 | 22.6 | 23.2 |
| 60° | 22.6 | 21.3 | 20.6 | 21.3 | 21.9 |
| 62.5° | 21.3 | 20.0 | 19.4 | 20.0 | 21.3 |
| 65° | 20.6 | 18.7 | 18.1 | 18.7 | 20.6 |
| 67.5° | 20.0 | 17.4 | 16.1 | 17.4 | 20.0 |
| 70° | 20.0 | 16.1 | 14.8 | 16.8 | 20.0 |
| 72.5° | 19.4 | 15.5 | 12.9 | 15.5 | 19.4 |
| 75° | 19.4 | 14.2 | 11.6 | 14.8 | 19.4 |
| 77.5° | 18.1 | 12.9 | 9.7 | 13.6 | 18.1 |
| 80° | 16.1 | 11.6 | 8.4 | 12.3 | 15.5 |
| 82.5° | 11.6 | 9.7 | 6.5 | 9.7 | 11.6 |
| 85° | 6.5 | 7.1 | 3.9 | 6.5 | 7.1 |
| 87.5° | 0.6 | 1.9 | 1.3 | 3.9 | 3.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)