

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: P1308814

Luminaire Tested: LDSQA3D02R559030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

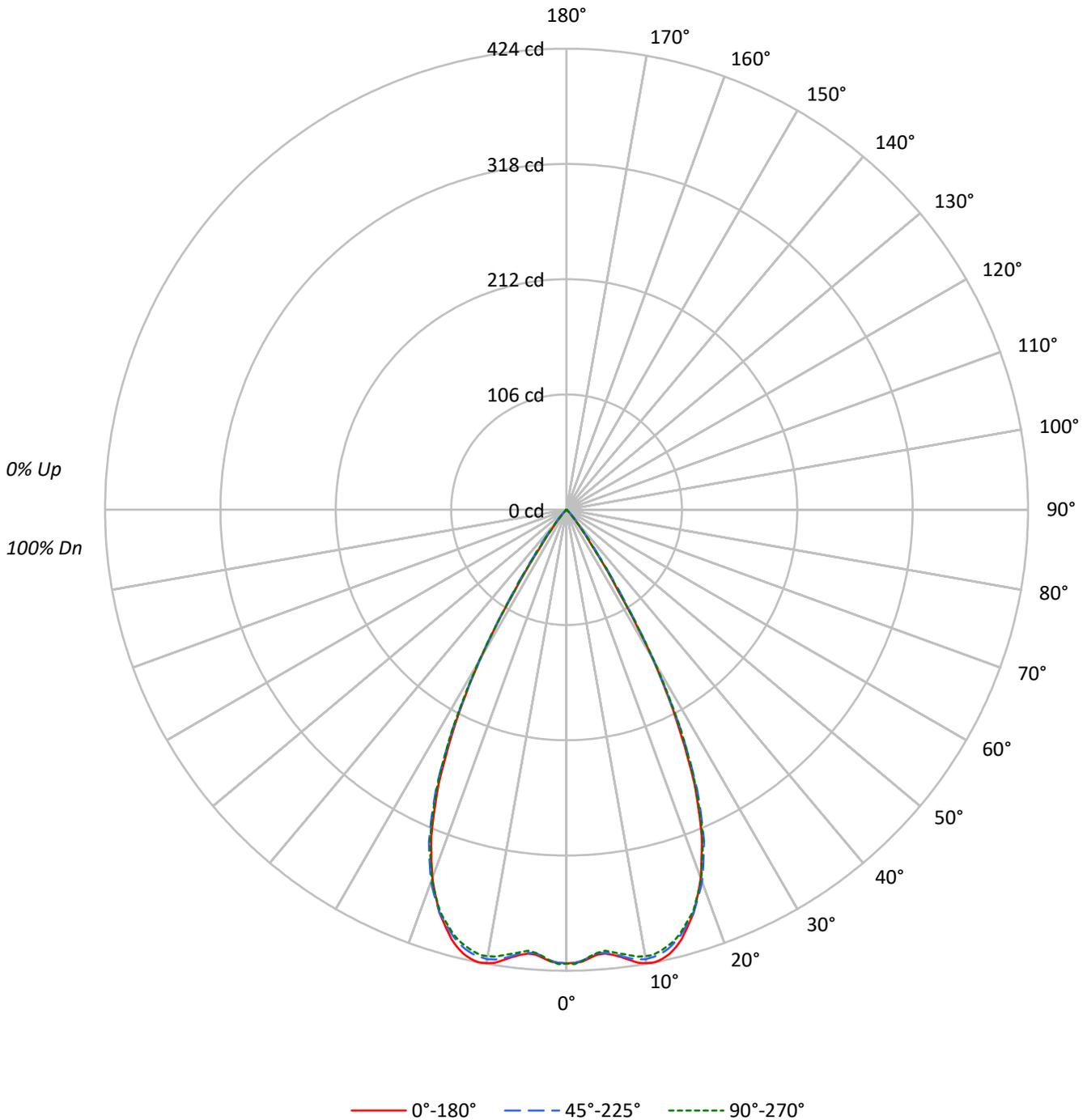
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 319.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1308814

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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 | 114 | 111 | 109 | 107 | 112 | 109 | 107 | 105 | 105 | 104 | 102 | 102 | 100 | 99 | 98 | 97 | 96 | 96 | 96 | 96 | 95 |
| 2 | 109 | 105 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 3 | 104 | 98 | 94 | 90 | 102 | 97 | 93 | 90 | 94 | 91 | 88 | 92 | 89 | 87 | 90 | 88 | 86 | 86 | 86 | 86 | 84 |
| 4 | 100 | 93 | 88 | 84 | 98 | 92 | 87 | 84 | 90 | 86 | 83 | 88 | 84 | 82 | 86 | 83 | 81 | 81 | 81 | 81 | 79 |
| 5 | 95 | 88 | 82 | 79 | 94 | 87 | 82 | 78 | 85 | 81 | 78 | 83 | 80 | 77 | 82 | 79 | 76 | 76 | 76 | 76 | 75 |
| 6 | 91 | 83 | 78 | 74 | 90 | 82 | 77 | 74 | 81 | 76 | 73 | 80 | 76 | 73 | 78 | 75 | 72 | 72 | 72 | 72 | 71 |
| 7 | 87 | 79 | 73 | 70 | 86 | 78 | 73 | 69 | 77 | 72 | 69 | 76 | 72 | 69 | 75 | 71 | 68 | 68 | 68 | 68 | 67 |
| 8 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 66 | 73 | 69 | 65 | 72 | 68 | 65 | 71 | 68 | 65 | 65 | 65 | 65 | 63 |
| 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 61 | 61 | 61 | 61 | 60 |
| 10 | 77 | 68 | 62 | 59 | 76 | 67 | 62 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 65 | 61 | 58 | 58 | 58 | 58 | 57 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 71869 | 71869 | 71869 |
| 5° | 70829 | 70708 | 70380 |
| 10° | 74044 | 73397 | 72925 |
| 15° | 72888 | 72229 | 71925 |
| 20° | 66089 | 66749 | 66272 |
| 25° | 52846 | 53968 | 53454 |
| 30° | 31699 | 31699 | 32077 |
| 35° | 9167 | 10849 | 9461 |
| 40° | 2630 | 3552 | 2630 |
| 45° | 585 | 1364 | 585 |
| 50° | 268 | 455 | 188 |
| 55° | 210 | 210 | 210 |
| 60° | 241 | 241 | 241 |
| 65° | 204 | 204 | 204 |
| 70° | 252 | 252 | 252 |
| 75° | 133 | 133 | 133 |
| 80° | 198 | 198 | 198 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1364 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.6 | 12.4 |
| 10°-20° | 112.8 | 35.2 |
| 20°-30° | 124.2 | 38.8 |
| 30°-40° | 38.0 | 11.9 |
| 40°-50° | 3.8 | 1.2 |
| 50°-60° | 0.7 | 0.2 |
| 60°-70° | 0.6 | 0.2 |
| 70°-80° | 0.3 | 0.1 |
| 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° | 276.6 | 86.5 |
| 0°-40° | 314.6 | 98.3 |
| 0°-60° | 319.0 | 99.7 |
| 0°-90° | 319.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 319.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 417 | 417 | 417 | 417 | 417 | |
| 5° | 410 | 410 | 409 | 408 | 407 | 40 |
| 15° | 409 | 408 | 405 | 403 | 403 | 113 |
| 25° | 278 | 281 | 284 | 287 | 281 | 123 |
| 35° | 44 | 46 | 52 | 47 | 45 | 36 |
| 45° | 2 | 4 | 6 | 4 | 2 | 3 |
| 55° | 1 | 1 | 1 | 1 | 1 | 1 |
| 65° | 0 | 0 | 0 | 0 | 0 | 1 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1308814

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 417.3 | 417.3 | 417.3 | 417.3 | 417.3 |
| 1° | 416.8 | 417.0 | 416.8 | 416.3 | 418.0 |
| 2° | 415.8 | 415.6 | 414.9 | 414.6 | 415.3 |
| 3° | 412.7 | 412.7 | 411.7 | 411.2 | 411.4 |
| 4° | 410.2 | 410.2 | 408.8 | 408.3 | 408.5 |
| 5° | 409.7 | 409.7 | 409.0 | 407.8 | 407.1 |
| 6° | 411.7 | 412.2 | 410.5 | 409.3 | 409.3 |
| 7° | 414.6 | 414.9 | 413.6 | 411.9 | 411.4 |
| 8° | 418.3 | 418.5 | 416.6 | 414.6 | 413.6 |
| 9° | 421.9 | 421.4 | 418.7 | 416.8 | 416.1 |
| 10° | 423.4 | 423.1 | 419.7 | 417.8 | 417.0 |
| 11° | 424.1 | 422.9 | 419.0 | 417.3 | 417.0 |
| 12° | 422.4 | 421.4 | 417.3 | 415.6 | 414.9 |
| 13° | 419.5 | 418.0 | 414.6 | 412.9 | 411.9 |
| 14° | 414.9 | 413.4 | 410.2 | 408.3 | 408.5 |
| 15° | 408.8 | 408.0 | 405.1 | 403.4 | 403.4 |
| 17.5° | 388.6 | 389.1 | 388.3 | 387.6 | 387.1 |
| 20° | 360.6 | 362.5 | 364.2 | 363.3 | 361.6 |
| 22.5° | 324.8 | 328.2 | 330.2 | 330.7 | 327.5 |
| 25° | 278.1 | 280.8 | 284.0 | 286.6 | 281.3 |
| 27.5° | 220.0 | 222.4 | 225.3 | 227.0 | 226.3 |
| 30° | 159.4 | 159.6 | 159.4 | 162.5 | 161.3 |
| 32.5° | 88.6 | 95.9 | 97.1 | 99.3 | 91.5 |
| 35° | 43.6 | 45.7 | 51.6 | 47.4 | 45.0 |
| 37.5° | 20.9 | 22.4 | 28.0 | 22.9 | 21.9 |
| 40° | 11.7 | 12.7 | 15.8 | 13.1 | 11.7 |
| 42.5° | 5.6 | 7.3 | 8.5 | 7.5 | 5.6 |
| 45° | 2.4 | 3.6 | 5.6 | 3.6 | 2.4 |
| 47.5° | 1.0 | 1.5 | 3.4 | 1.5 | 1.0 |
| 50° | 1.0 | 0.7 | 1.7 | 0.7 | 0.7 |
| 52.5° | 0.7 | 0.7 | 1.0 | 0.7 | 0.7 |
| 55° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 57.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 60° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 62.5° | 0.5 | 0.7 | 0.7 | 0.7 | 0.5 |
| 65° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 72.5° | 0.2 | 0.5 | 0.2 | 0.2 | 0.2 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-----|-----|-------|-----|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)