

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: P1325625

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

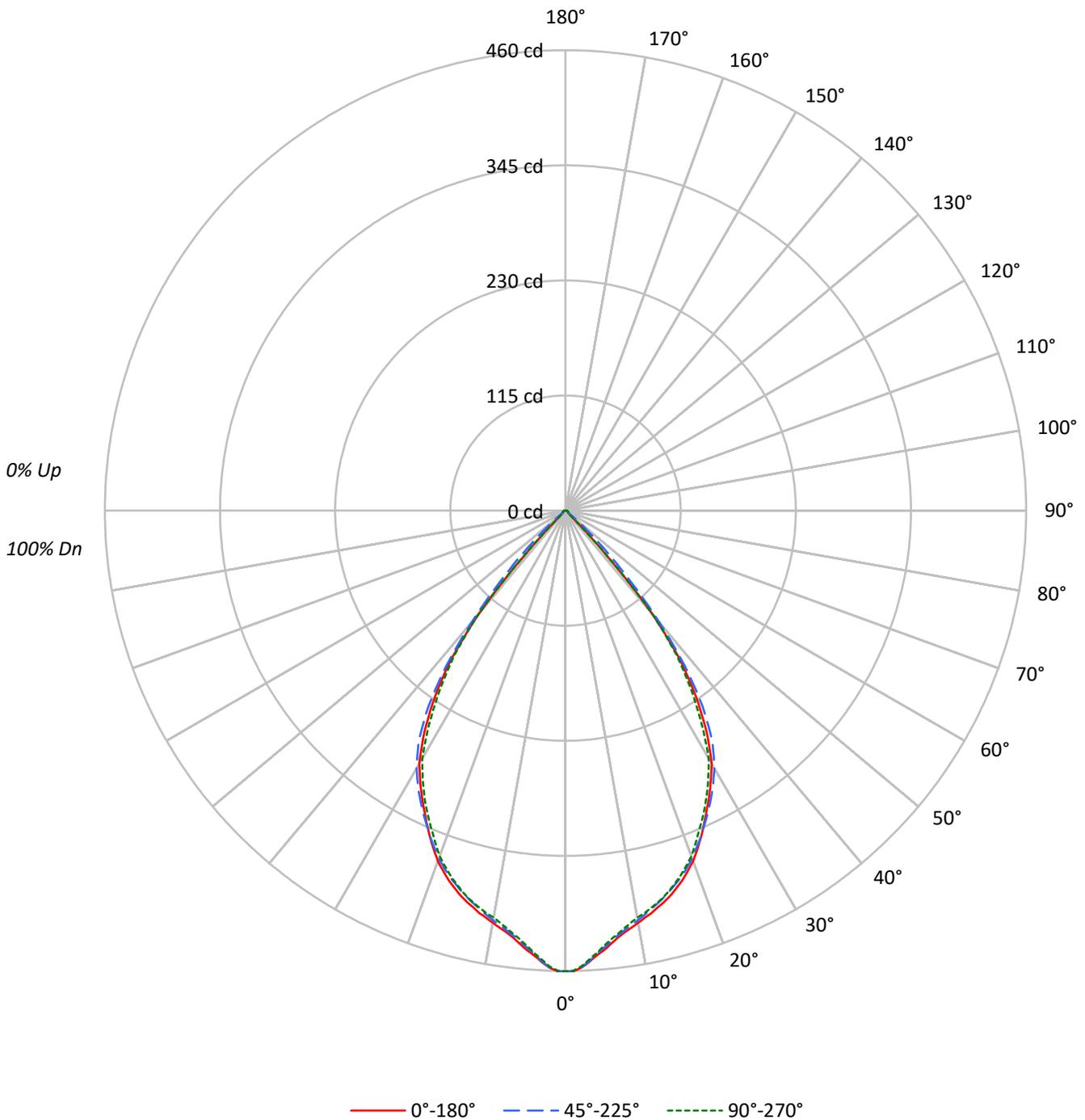
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 491.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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 | 102 | 102 | 102 | 100 |
| 1 | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99 | 97 | 97 | 96 | 95 | 95 | 95 | 95 | 93 |
| 2 | 107 | 102 | 98 | 94 | 105 | 100 | 96 | 93 | 97 | 94 | 91 | 94 | 91 | 89 | 91 | 89 | 87 | 87 | 87 | 87 | 86 |
| 3 | 101 | 95 | 89 | 85 | 99 | 93 | 88 | 84 | 90 | 86 | 83 | 88 | 85 | 82 | 86 | 83 | 80 | 80 | 80 | 80 | 79 |
| 4 | 96 | 88 | 82 | 77 | 94 | 87 | 81 | 77 | 84 | 80 | 76 | 82 | 78 | 75 | 81 | 77 | 74 | 74 | 74 | 74 | 73 |
| 5 | 91 | 82 | 75 | 71 | 89 | 81 | 75 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 69 | 69 | 69 | 69 | 67 |
| 6 | 86 | 76 | 70 | 65 | 84 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 64 | 64 | 64 | 62 |
| 7 | 81 | 71 | 65 | 60 | 80 | 70 | 64 | 60 | 69 | 64 | 60 | 68 | 63 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 58 |
| 8 | 77 | 67 | 60 | 56 | 75 | 66 | 60 | 56 | 65 | 59 | 56 | 64 | 59 | 55 | 63 | 58 | 55 | 55 | 55 | 55 | 54 |
| 9 | 73 | 62 | 56 | 52 | 72 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 59 | 55 | 51 | 51 | 51 | 51 | 50 |
| 10 | 69 | 59 | 53 | 48 | 68 | 58 | 52 | 48 | 57 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 48 | 48 | 48 | 48 | 47 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 79309 | 79309 | 79309 |
| 5° | 76223 | 75808 | 75531 |
| 10° | 73135 | 72715 | 72225 |
| 15° | 71284 | 70499 | 70428 |
| 20° | 68307 | 67794 | 67354 |
| 25° | 63241 | 63697 | 62481 |
| 30° | 58089 | 59123 | 56895 |
| 35° | 47915 | 50164 | 46065 |
| 40° | 30508 | 32824 | 30508 |
| 45° | 2143 | 14200 | 2338 |
| 50° | 965 | 2894 | 965 |
| 55° | 1081 | 1081 | 1081 |
| 60° | 1102 | 1102 | 1102 |
| 65° | 978 | 1141 | 978 |
| 70° | 1007 | 1209 | 1007 |
| 75° | 1065 | 1065 | 1065 |
| 80° | 1190 | 1190 | 1190 |
| 85° | 790 | 1581 | 790 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 14200 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 41.1 | 8.4 |
| 10°-20° | 111.2 | 22.7 |
| 20°-30° | 152.9 | 31.1 |
| 30°-40° | 140.1 | 28.5 |
| 40°-50° | 37.2 | 7.6 |
| 50°-60° | 3.3 | 0.7 |
| 60°-70° | 2.7 | 0.6 |
| 70°-80° | 1.8 | 0.4 |
| 80°-90° | 0.7 | 0.1 |
| 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° | 305.3 | 62.2 |
| 0°-40° | 445.3 | 90.7 |
| 0°-60° | 485.8 | 98.9 |
| 0°-90° | 491.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 491.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 460 | 460 | 460 | 460 | 460 | |
| 5° | 441 | 439 | 438 | 438 | 437 | 41 |
| 15° | 400 | 396 | 395 | 395 | 395 | 112 |
| 25° | 333 | 334 | 335 | 331 | 329 | 153 |
| 35° | 228 | 231 | 239 | 228 | 219 | 138 |
| 45° | 9 | 30 | 58 | 30 | 10 | 26 |
| 55° | 4 | 4 | 4 | 4 | 4 | 3 |
| 65° | 2 | 3 | 3 | 3 | 2 | 3 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 1 | 1 | 1 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1325625
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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 460.5 | 460.5 | 460.5 | 460.5 | 460.5 |
| 1° | 460.5 | 459.7 | 460.5 | 460.5 | 459.7 |
| 2° | 456.9 | 456.1 | 456.5 | 456.1 | 455.7 |
| 3° | 451.7 | 450.5 | 450.9 | 450.1 | 449.3 |
| 4° | 445.7 | 444.5 | 444.5 | 444.1 | 443.3 |
| 5° | 440.9 | 438.9 | 438.5 | 437.7 | 436.9 |
| 6° | 435.3 | 433.4 | 433.0 | 431.8 | 431.0 |
| 7° | 429.8 | 428.2 | 427.8 | 426.2 | 426.2 |
| 8° | 425.4 | 423.4 | 423.4 | 421.4 | 421.4 |
| 9° | 421.8 | 419.4 | 419.4 | 417.8 | 417.0 |
| 10° | 418.2 | 415.8 | 415.8 | 413.8 | 413.0 |
| 11° | 414.6 | 412.6 | 411.8 | 410.6 | 410.2 |
| 12° | 411.4 | 408.6 | 407.8 | 407.4 | 406.6 |
| 13° | 407.4 | 404.6 | 403.8 | 403.4 | 403.0 |
| 14° | 403.8 | 400.2 | 399.8 | 399.0 | 399.4 |
| 15° | 399.8 | 396.2 | 395.4 | 395.4 | 395.0 |
| 17.5° | 387.5 | 385.1 | 383.9 | 383.1 | 382.3 |
| 20° | 372.7 | 370.7 | 369.9 | 368.3 | 367.5 |
| 22.5° | 353.5 | 353.1 | 352.7 | 350.8 | 347.6 |
| 25° | 332.8 | 334.0 | 335.2 | 331.2 | 328.8 |
| 27.5° | 312.8 | 316.0 | 317.2 | 313.2 | 308.1 |
| 30° | 292.1 | 294.9 | 297.3 | 291.7 | 286.1 |
| 32.5° | 262.2 | 269.0 | 272.5 | 266.2 | 253.4 |
| 35° | 227.9 | 231.4 | 238.6 | 227.9 | 219.1 |
| 37.5° | 187.9 | 189.9 | 195.5 | 188.3 | 182.4 |
| 40° | 135.7 | 141.7 | 146.0 | 141.7 | 135.7 |
| 42.5° | 61.1 | 85.4 | 96.6 | 90.2 | 63.8 |
| 45° | 8.8 | 29.9 | 58.3 | 30.3 | 9.6 |
| 47.5° | 3.6 | 4.8 | 30.3 | 4.4 | 3.6 |
| 50° | 3.6 | 3.6 | 10.8 | 3.6 | 3.6 |
| 52.5° | 3.6 | 3.6 | 4.0 | 3.6 | 3.6 |
| 55° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 57.5° | 3.2 | 3.2 | 3.6 | 3.2 | 3.2 |
| 60° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 62.5° | 2.8 | 3.2 | 3.2 | 3.2 | 2.8 |
| 65° | 2.4 | 2.8 | 2.8 | 2.8 | 2.4 |
| 67.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 70° | 2.0 | 2.4 | 2.4 | 2.4 | 2.0 |
| 72.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 75° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.2 | 1.6 | 1.6 | 1.6 | 1.2 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 85° | 0.4 | 0.8 | 0.8 | 0.8 | 0.4 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |



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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)