

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: P1306900

Luminaire Tested: LDSQA3D05R609024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

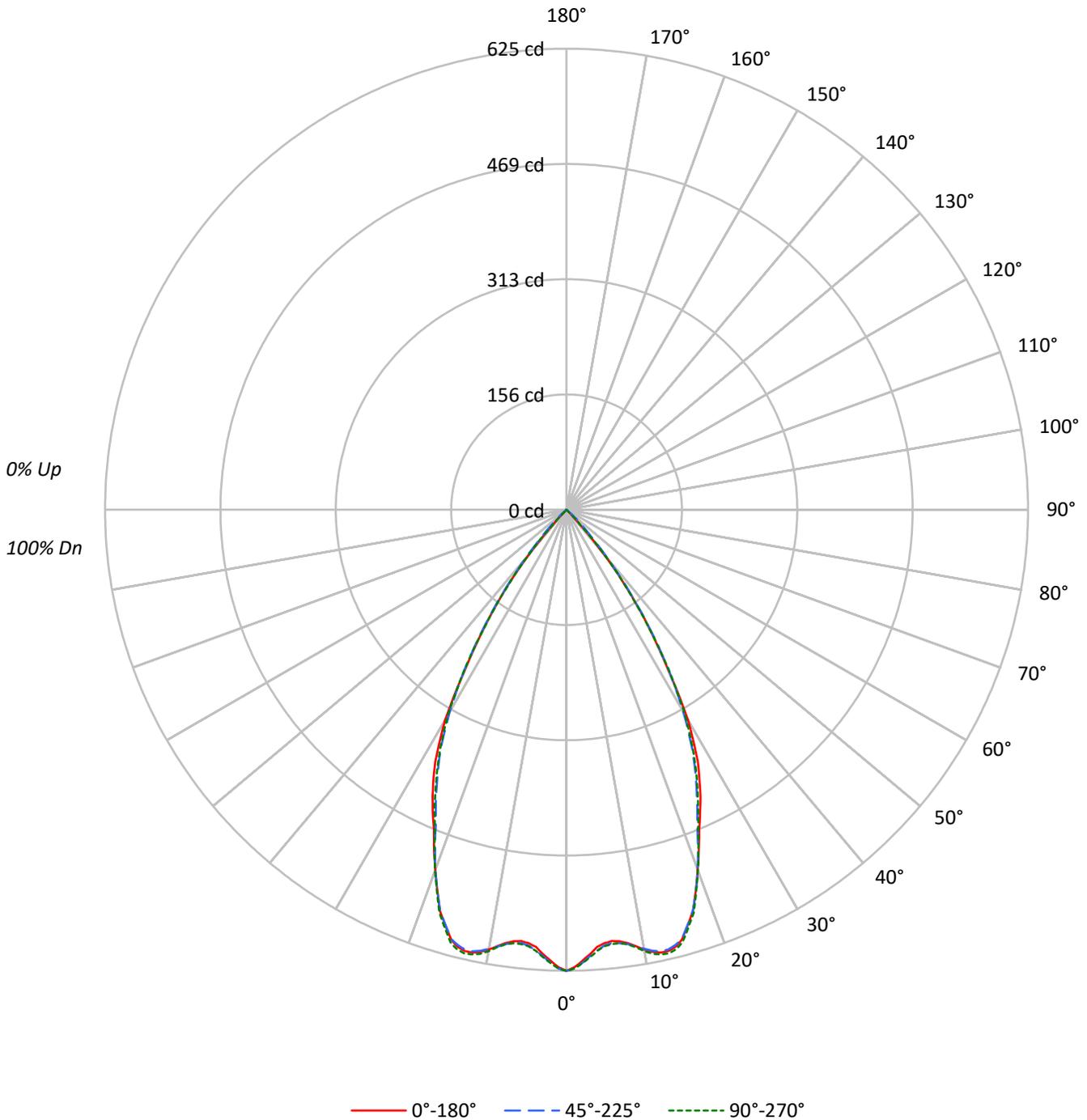
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 554.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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





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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 | 100 | 100 | 100 | 100 |
| 1 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 |
| 2 | 108 | 104 | 100 | 97 | 106 | 102 | 98 | 95 | 99 | 96 | 93 | 96 | 93 | 91 | 93 | 91 | 89 | 88 | 88 | 88 | 88 |
| 3 | 103 | 97 | 92 | 88 | 101 | 96 | 91 | 88 | 93 | 89 | 86 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | 82 | 82 | 82 |
| 4 | 98 | 91 | 86 | 81 | 96 | 90 | 85 | 81 | 88 | 83 | 80 | 86 | 82 | 79 | 84 | 81 | 78 | 77 | 77 | 77 | 77 |
| 5 | 93 | 85 | 80 | 76 | 92 | 84 | 79 | 75 | 83 | 78 | 75 | 81 | 77 | 74 | 79 | 76 | 73 | 72 | 72 | 72 | 72 |
| 6 | 89 | 80 | 74 | 70 | 87 | 79 | 74 | 70 | 78 | 73 | 70 | 77 | 72 | 69 | 75 | 72 | 69 | 67 | 67 | 67 | 67 |
| 7 | 85 | 76 | 70 | 66 | 83 | 75 | 69 | 65 | 74 | 69 | 65 | 72 | 68 | 65 | 71 | 67 | 64 | 63 | 63 | 63 | 63 |
| 8 | 81 | 71 | 66 | 62 | 79 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 64 | 61 | 59 | 59 | 59 | 59 |
| 9 | 77 | 67 | 62 | 58 | 76 | 67 | 61 | 58 | 66 | 61 | 57 | 65 | 61 | 57 | 64 | 60 | 57 | 56 | 56 | 56 | 56 |
| 10 | 73 | 64 | 58 | 54 | 72 | 63 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 61 | 57 | 54 | 53 | 53 | 53 | 53 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 107656 | 107656 | 107656 |
| 5° | 101965 | 102501 | 102656 |
| 10° | 105855 | 105697 | 106309 |
| 15° | 107603 | 107442 | 108227 |
| 20° | 95230 | 95230 | 95377 |
| 25° | 81597 | 79165 | 79849 |
| 30° | 65288 | 62901 | 63876 |
| 35° | 40493 | 41334 | 40409 |
| 40° | 17783 | 19559 | 18278 |
| 45° | 219 | 6357 | 536 |
| 50° | 0 | 723 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6357 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.1 | 10.3 |
| 10°-20° | 165.5 | 29.9 |
| 20°-30° | 192.1 | 34.7 |
| 30°-40° | 121.0 | 21.8 |
| 40°-50° | 18.2 | 3.3 |
| 50°-60° | 0.1 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 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° | 414.7 | 74.9 |
| 0°-40° | 535.7 | 96.7 |
| 0°-60° | 554.0 | 100.0 |
| 0°-90° | 554.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 554.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 625 | 625 | 625 | 625 | 625 | |
| 5° | 590 | 592 | 593 | 594 | 594 | 57 |
| 15° | 604 | 601 | 603 | 607 | 607 | 165 |
| 25° | 429 | 425 | 417 | 418 | 420 | 195 |
| 35° | 193 | 193 | 197 | 193 | 192 | 120 |
| 45° | 1 | 8 | 26 | 11 | 2 | 12 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 625.1 | 625.1 | 625.1 | 625.1 | 625.1 |
| 1° | 620.3 | 622.1 | 622.1 | 622.5 | 622.1 |
| 2° | 611.9 | 614.5 | 614.5 | 615.9 | 615.0 |
| 3° | 603.5 | 605.7 | 606.2 | 607.9 | 607.5 |
| 4° | 594.2 | 597.8 | 599.1 | 600.0 | 599.5 |
| 5° | 589.8 | 592.0 | 592.9 | 594.2 | 593.8 |
| 6° | 588.0 | 589.8 | 590.7 | 592.0 | 592.0 |
| 7° | 589.4 | 590.7 | 592.0 | 592.9 | 592.0 |
| 8° | 593.3 | 594.7 | 594.7 | 596.4 | 595.1 |
| 9° | 599.1 | 599.5 | 599.5 | 601.7 | 600.4 |
| 10° | 605.3 | 604.4 | 604.4 | 607.5 | 607.9 |
| 11° | 610.6 | 609.7 | 609.2 | 612.3 | 613.2 |
| 12° | 613.7 | 611.9 | 611.9 | 615.9 | 616.3 |
| 13° | 614.1 | 611.9 | 611.9 | 615.9 | 617.2 |
| 14° | 610.6 | 607.9 | 608.4 | 612.8 | 614.1 |
| 15° | 603.5 | 601.3 | 602.6 | 606.6 | 607.0 |
| 17.5° | 569.9 | 568.6 | 569.5 | 572.1 | 572.6 |
| 20° | 519.6 | 518.7 | 519.6 | 519.6 | 520.4 |
| 22.5° | 469.6 | 467.4 | 463.0 | 465.7 | 466.1 |
| 25° | 429.4 | 424.6 | 416.6 | 418.4 | 420.2 |
| 27.5° | 385.2 | 379.1 | 370.7 | 372.9 | 373.3 |
| 30° | 328.3 | 325.2 | 316.3 | 318.5 | 321.2 |
| 32.5° | 253.6 | 262.0 | 256.7 | 256.2 | 256.7 |
| 35° | 192.6 | 193.1 | 196.6 | 192.6 | 192.2 |
| 37.5° | 134.7 | 135.2 | 137.8 | 133.4 | 133.9 |
| 40° | 79.1 | 84.8 | 87.0 | 85.3 | 81.3 |
| 42.5° | 24.7 | 43.7 | 49.5 | 42.9 | 27.4 |
| 45° | 0.9 | 8.4 | 26.1 | 11.0 | 2.2 |
| 47.5° | 0.0 | 0.4 | 12.4 | 0.9 | 0.0 |
| 50° | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)