

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: P1318836

Luminaire Tested: LDSQA3D02R459835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R459835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

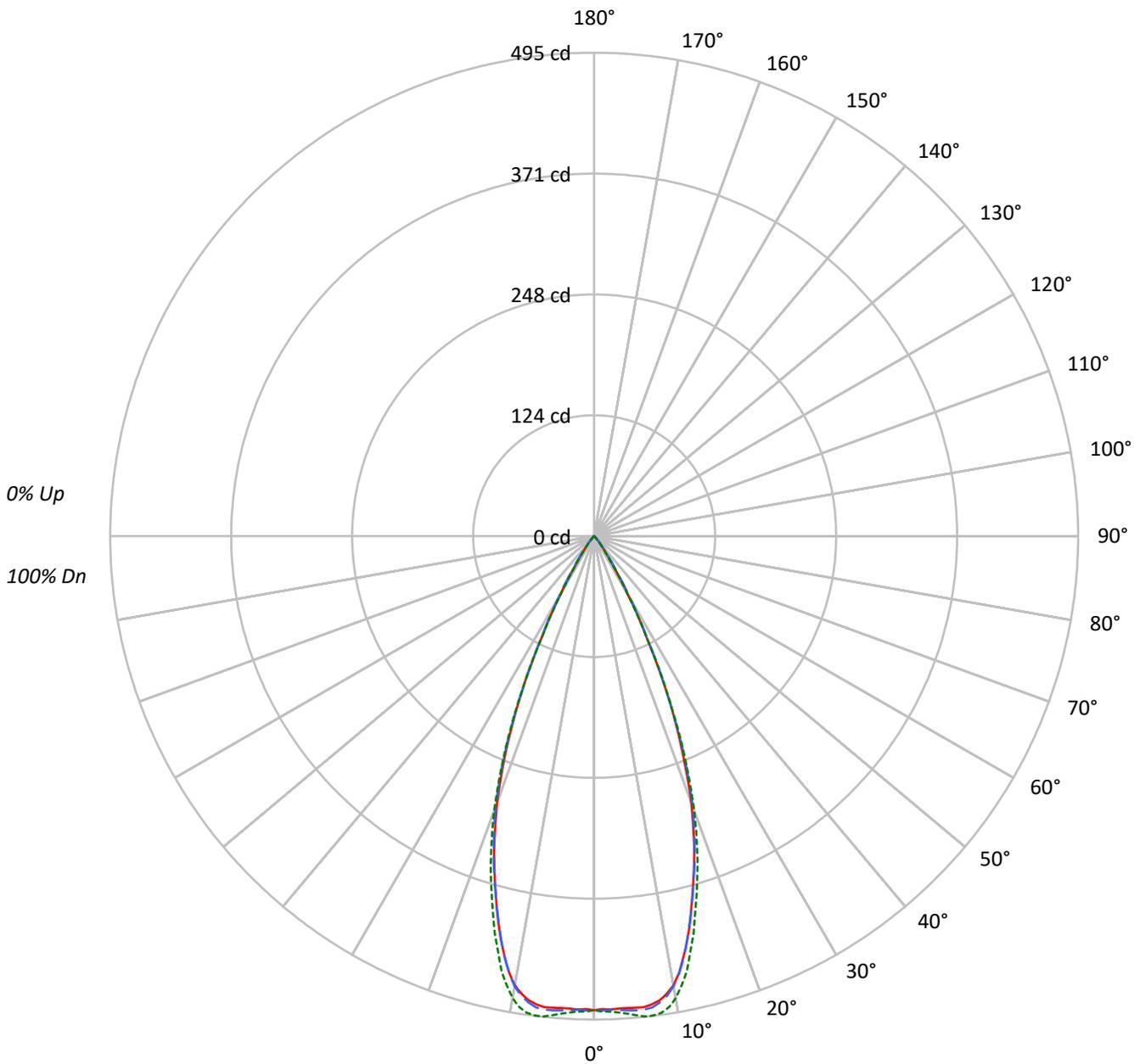
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 251.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
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 (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



— 0°-180° - - 45°-225° - - - 90°-270°



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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 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 97 | 97 | 97 | 95 |
| 2 | 110 | 106 | 103 | 100 | 108 | 104 | 101 | 99 | 101 | 99 | 96 | 98 | 96 | 94 | 95 | 94 | 92 | 92 | 92 | 92 | 91 |
| 3 | 106 | 100 | 96 | 93 | 104 | 99 | 95 | 92 | 97 | 93 | 91 | 94 | 92 | 89 | 92 | 90 | 88 | 88 | 88 | 88 | 87 |
| 4 | 102 | 95 | 91 | 87 | 100 | 94 | 90 | 87 | 92 | 89 | 86 | 90 | 87 | 85 | 89 | 86 | 84 | 84 | 84 | 84 | 83 |
| 5 | 98 | 91 | 86 | 83 | 96 | 90 | 86 | 82 | 88 | 85 | 82 | 87 | 83 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 79 |
| 6 | 94 | 87 | 82 | 78 | 93 | 86 | 81 | 78 | 85 | 81 | 78 | 83 | 80 | 77 | 82 | 79 | 77 | 77 | 77 | 77 | 75 |
| 7 | 91 | 83 | 78 | 75 | 89 | 82 | 78 | 74 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 73 | 73 | 73 | 72 |
| 8 | 87 | 79 | 75 | 71 | 86 | 79 | 74 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 76 | 73 | 70 | 70 | 70 | 70 | 69 |
| 9 | 84 | 76 | 71 | 68 | 83 | 76 | 71 | 68 | 75 | 71 | 68 | 74 | 70 | 68 | 73 | 70 | 67 | 67 | 67 | 67 | 66 |
| 10 | 81 | 73 | 68 | 65 | 80 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 71 | 67 | 65 | 65 | 65 | 65 | 64 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 83614 | 83614 | 83614 |
| 5° | 83795 | 84279 | 85126 |
| 10° | 81704 | 81861 | 84012 |
| 15° | 68930 | 68966 | 71230 |
| 20° | 53205 | 53956 | 54854 |
| 25° | 33008 | 33046 | 33255 |
| 30° | 13622 | 14477 | 13404 |
| 35° | 4247 | 5172 | 4079 |
| 40° | 1304 | 1799 | 1214 |
| 45° | 97 | 682 | 97 |
| 50° | 0 | 107 | 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: 682 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 46.2 | 18.4 |
| 10°-20° | 107.4 | 42.8 |
| 20°-30° | 78.8 | 31.4 |
| 30°-40° | 16.9 | 6.7 |
| 40°-50° | 1.6 | 0.6 |
| 50°-60° | 0.0 | 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° | 232.4 | 92.6 |
| 0°-40° | 249.4 | 99.4 |
| 0°-60° | 251.0 | 100.0 |
| 0°-90° | 251.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 251.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|-----|-------|-----|-------|-----|------|
| 0° | 486 | 486 | 486 | 486 | 486 | |
| 5° | 485 | 486 | 488 | 491 | 492 | 46 |
| 15° | 387 | 386 | 387 | 393 | 400 | 106 |
| 25° | 174 | 173 | 174 | 174 | 175 | 78 |
| 35° | 20 | 22 | 25 | 21 | 19 | 16 |
| 45° | 0 | 1 | 3 | 1 | 0 | 1 |
| 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 |



TEST NUMBER: P1318836

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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|
| 0° | 485.5 | 485.5 | 485.5 | 485.5 | 485.5 |
| 1° | 484.5 | 485.7 | 485.7 | 486.4 | 486.8 |
| 2° | 484.9 | 485.7 | 485.5 | 486.8 | 487.3 |
| 3° | 484.4 | 485.7 | 486.0 | 487.5 | 488.5 |
| 4° | 484.5 | 485.7 | 486.8 | 489.0 | 490.3 |
| 5° | 484.7 | 486.0 | 487.5 | 490.9 | 492.4 |
| 6° | 484.9 | 485.9 | 487.5 | 491.8 | 494.6 |
| 7° | 483.1 | 484.4 | 486.2 | 491.6 | 494.6 |
| 8° | 480.1 | 480.8 | 482.3 | 489.4 | 492.9 |
| 9° | 474.5 | 474.3 | 476.5 | 484.4 | 488.5 |
| 10° | 467.2 | 465.0 | 468.1 | 476.0 | 480.4 |
| 11° | 455.4 | 453.0 | 455.8 | 464.2 | 468.5 |
| 12° | 440.1 | 440.1 | 440.7 | 448.2 | 455.6 |
| 13° | 423.9 | 422.0 | 423.2 | 431.6 | 436.8 |
| 14° | 406.0 | 404.1 | 405.2 | 411.6 | 419.8 |
| 15° | 386.6 | 385.8 | 386.8 | 392.9 | 399.5 |
| 17.5° | 340.5 | 338.8 | 342.2 | 348.3 | 351.7 |
| 20° | 290.3 | 293.1 | 294.4 | 298.3 | 299.3 |
| 22.5° | 232.7 | 235.6 | 237.5 | 238.1 | 238.6 |
| 25° | 173.7 | 173.1 | 173.9 | 173.9 | 175.0 |
| 27.5° | 114.2 | 114.2 | 116.2 | 114.9 | 113.6 |
| 30° | 68.5 | 71.3 | 72.8 | 70.3 | 67.4 |
| 32.5° | 37.3 | 40.1 | 42.5 | 39.0 | 36.4 |
| 35° | 20.2 | 21.6 | 24.6 | 21.1 | 19.4 |
| 37.5° | 11.0 | 12.3 | 14.2 | 11.9 | 11.0 |
| 40° | 5.8 | 7.1 | 8.0 | 7.1 | 5.4 |
| 42.5° | 1.9 | 3.5 | 4.7 | 3.5 | 1.7 |
| 45° | 0.4 | 1.1 | 2.8 | 1.1 | 0.4 |
| 47.5° | 0.0 | 0.2 | 1.3 | 0.2 | 0.0 |
| 50° | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 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)