

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: P1315603

Luminaire Tested: LDSQA3D13R259735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R259735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

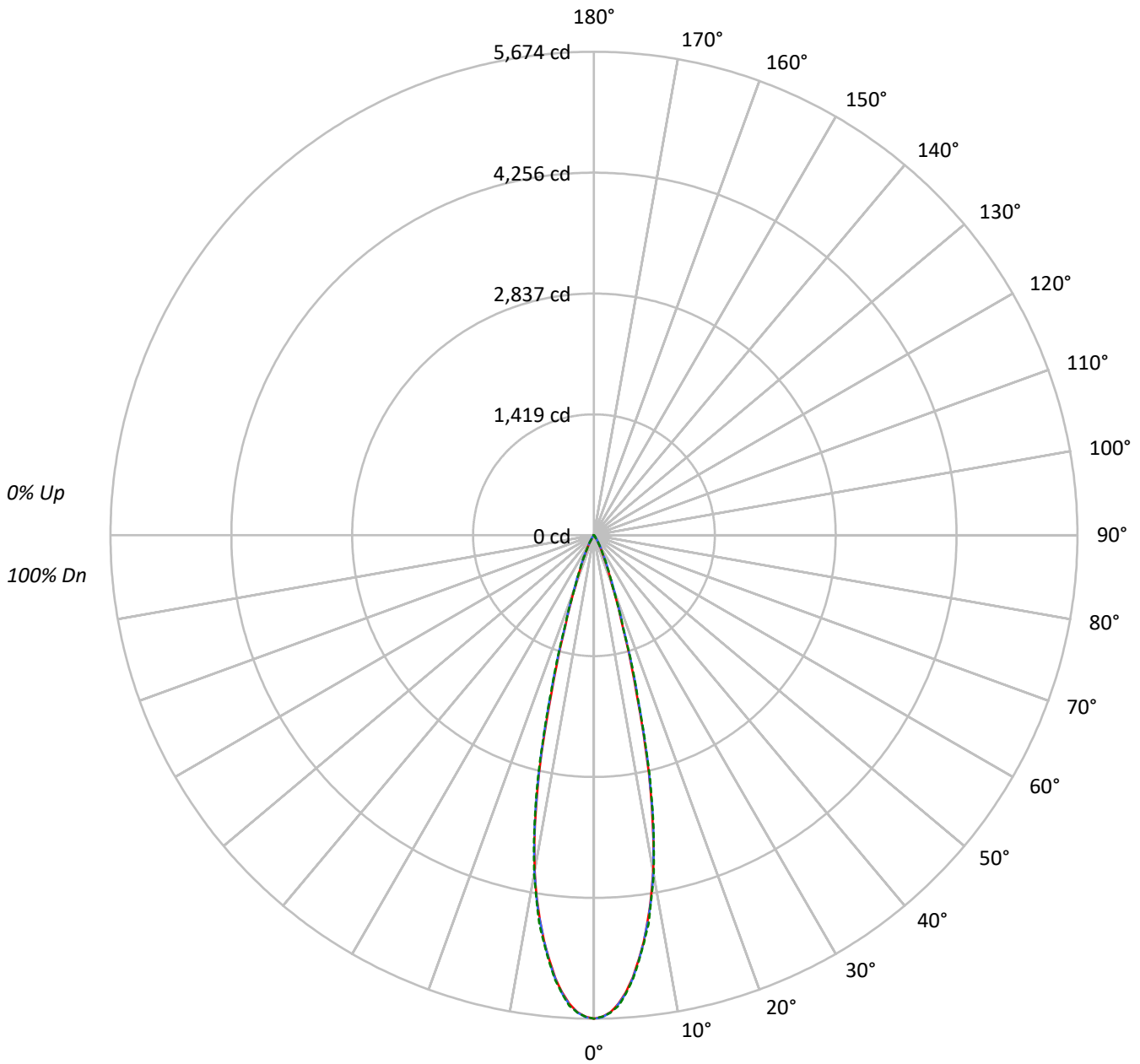
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1181.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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



— 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 | 115 | 113 | 111 | 110 | 113 | 111 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 102 | 100 | 99 | 99 | 99 | 99 | 99 | 97 |
| 2 | 112 | 108 | 105 | 103 | 110 | 107 | 104 | 102 | 104 | 102 | 100 | 101 | 99 | 98 | 98 | 97 | 96 | 96 | 96 | 96 | 94 |
| 3 | 108 | 104 | 101 | 98 | 107 | 103 | 100 | 97 | 100 | 98 | 96 | 98 | 96 | 94 | 96 | 94 | 93 | 96 | 94 | 93 | 92 |
| 4 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 93 | 97 | 95 | 92 | 96 | 93 | 91 | 94 | 92 | 90 | 94 | 92 | 90 | 89 |
| 5 | 103 | 97 | 93 | 90 | 101 | 96 | 93 | 90 | 95 | 92 | 89 | 93 | 91 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 6 | 100 | 94 | 90 | 87 | 99 | 93 | 90 | 87 | 92 | 89 | 87 | 91 | 88 | 86 | 90 | 87 | 85 | 90 | 87 | 85 | 84 |
| 7 | 97 | 91 | 87 | 85 | 96 | 91 | 87 | 84 | 90 | 86 | 84 | 89 | 86 | 84 | 88 | 85 | 83 | 88 | 85 | 83 | 82 |
| 8 | 95 | 89 | 85 | 82 | 94 | 88 | 85 | 82 | 87 | 84 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 86 | 83 | 81 | 80 |
| 9 | 93 | 86 | 83 | 80 | 92 | 86 | 82 | 80 | 85 | 82 | 80 | 85 | 82 | 80 | 84 | 81 | 79 | 84 | 81 | 79 | 78 |
| 10 | 91 | 84 | 81 | 78 | 90 | 84 | 80 | 78 | 83 | 80 | 78 | 83 | 80 | 78 | 82 | 79 | 77 | 82 | 79 | 77 | 77 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|--------|--------|--------|
| 0° | 977140 | 977140 | 977140 |
| 5° | 900984 | 903024 | 904908 |
| 10° | 699553 | 702089 | 705901 |
| 15° | 345720 | 360251 | 360412 |
| 20° | 116398 | 124206 | 118726 |
| 25° | 48210 | 53550 | 49578 |
| 30° | 18912 | 23784 | 19091 |
| 35° | 4962 | 9713 | 5151 |
| 40° | 1844 | 3867 | 1844 |
| 45° | 219 | 1096 | 219 |
| 50° | 0 | 241 | 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: 1096 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 459.7 | 38.9 |
| 10°-20° | 556.1 | 47.1 |
| 20°-30° | 135.8 | 11.5 |
| 30°-40° | 26.4 | 2.2 |
| 40°-50° | 3.0 | 0.3 |
| 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° | 1151.6 | 97.5 |
| 0°-40° | 1178.0 | 99.7 |
| 0°-60° | 1181.0 | 100.0 |
| 0°-90° | 1181.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1181.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 5674 | 5674 | 5674 | 5674 | 5674 | |
| 5° | 5212 | 5219 | 5223 | 5246 | 5234 | 458 |
| 15° | 1939 | 1985 | 2020 | 2040 | 2021 | 546 |
| 25° | 254 | 267 | 282 | 270 | 261 | 129 |
| 35° | 24 | 34 | 46 | 34 | 24 | 21 |
| 45° | 1 | 3 | 4 | 3 | 1 | 2 |
| 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° | 5673.7 | 5673.7 | 5673.7 | 5673.7 | 5673.7 |
| 1° | 5652.0 | 5655.6 | 5656.5 | 5661.9 | 5651.1 |
| 2° | 5600.3 | 5601.2 | 5604.0 | 5614.8 | 5604.9 |
| 3° | 5505.2 | 5511.5 | 5512.4 | 5526.9 | 5529.7 |
| 4° | 5375.6 | 5379.2 | 5386.5 | 5411.0 | 5389.2 |
| 5° | 5211.6 | 5218.9 | 5223.4 | 5246.1 | 5234.3 |
| 6° | 5008.7 | 5010.5 | 5020.5 | 5046.7 | 5030.4 |
| 7° | 4802.1 | 4801.2 | 4802.1 | 4822.9 | 4818.4 |
| 8° | 4552.9 | 4548.4 | 4562.9 | 4588.3 | 4605.5 |
| 9° | 4292.9 | 4299.2 | 4308.3 | 4332.8 | 4312.8 |
| 10° | 4000.2 | 4017.4 | 4014.7 | 4016.5 | 4036.5 |
| 11° | 3663.2 | 3668.6 | 3669.5 | 3688.5 | 3685.8 |
| 12° | 3267.2 | 3267.2 | 3297.1 | 3327.9 | 3318.0 |
| 13° | 2867.7 | 2895.8 | 2875.8 | 2882.2 | 2922.0 |
| 14° | 2402.0 | 2423.7 | 2450.9 | 2476.2 | 2456.3 |
| 15° | 1939.0 | 1985.2 | 2020.5 | 2040.4 | 2021.4 |
| 17.5° | 1110.8 | 1126.2 | 1156.1 | 1159.8 | 1148.0 |
| 20° | 635.1 | 654.2 | 677.7 | 670.5 | 647.8 |
| 22.5° | 399.6 | 405.0 | 428.6 | 416.8 | 411.3 |
| 25° | 253.7 | 267.3 | 281.8 | 270.0 | 260.9 |
| 27.5° | 157.7 | 166.7 | 182.1 | 169.4 | 159.5 |
| 30° | 95.1 | 103.3 | 119.6 | 102.4 | 96.0 |
| 32.5° | 49.8 | 61.6 | 75.2 | 62.5 | 49.8 |
| 35° | 23.6 | 33.5 | 46.2 | 33.5 | 24.5 |
| 37.5° | 14.5 | 18.1 | 28.1 | 18.1 | 14.5 |
| 40° | 8.2 | 11.8 | 17.2 | 11.8 | 8.2 |
| 42.5° | 3.6 | 6.3 | 8.2 | 6.3 | 4.5 |
| 45° | 0.9 | 2.7 | 4.5 | 2.7 | 0.9 |
| 47.5° | 0.0 | 0.0 | 2.7 | 0.9 | 0.0 |
| 50° | 0.0 | 0.0 | 0.9 | 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)