

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: P1309046

Luminaire Tested: LDSQA3D09R209030DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209030DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

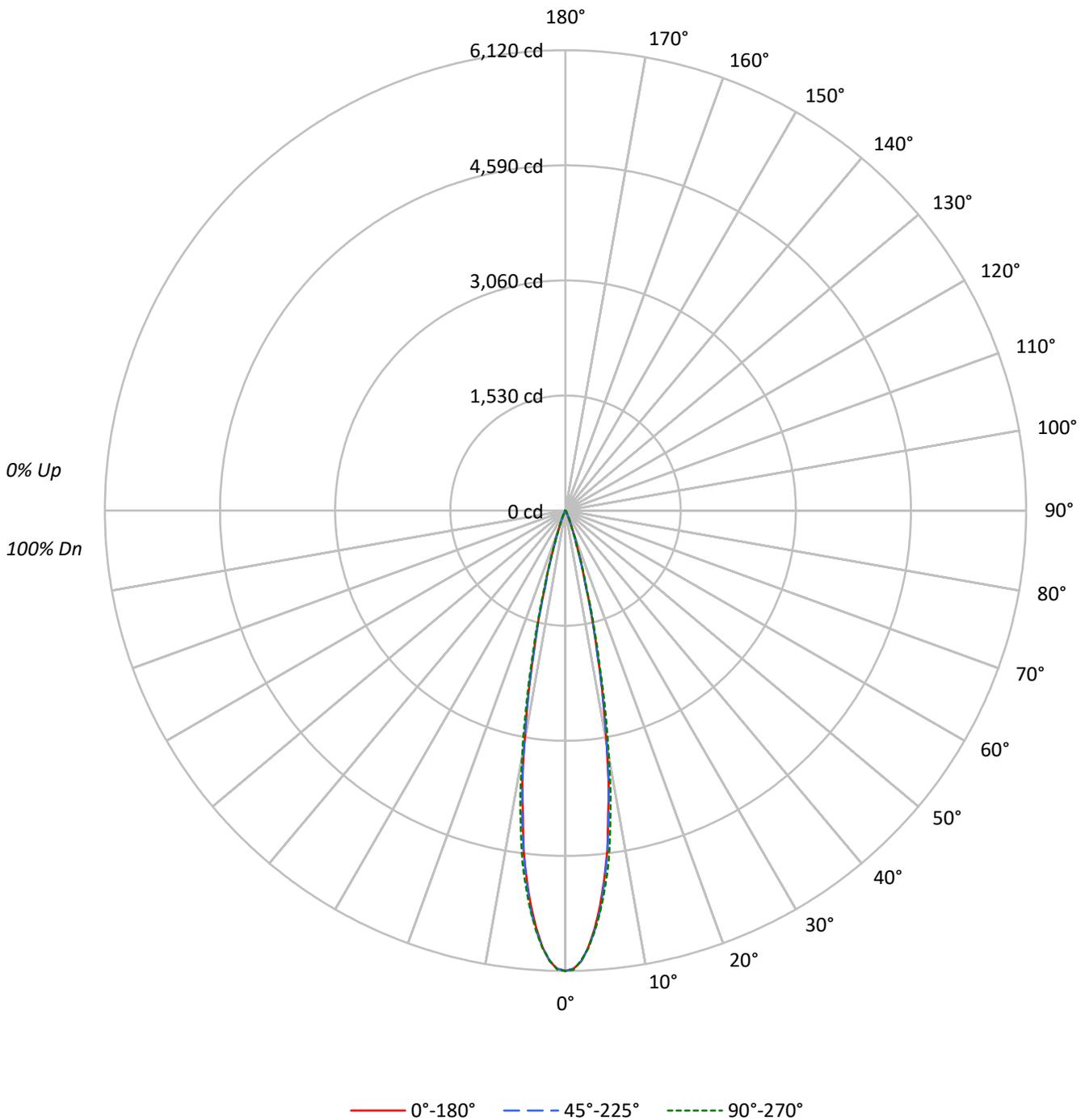
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 822.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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 | | | | |
| 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 | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 100 | 100 | 100 | 100 | 98 |
| 2 | 113 | 109 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 101 | 102 | 101 | 99 | 99 | 98 | 97 | 97 | 98 | 97 | 96 |
| 3 | 110 | 106 | 103 | 100 | 108 | 105 | 102 | 100 | 102 | 100 | 98 | 100 | 98 | 97 | 98 | 96 | 95 | 95 | 98 | 96 | 94 |
| 4 | 107 | 103 | 99 | 97 | 106 | 102 | 99 | 96 | 100 | 97 | 95 | 98 | 96 | 94 | 96 | 95 | 93 | 95 | 96 | 95 | 92 |
| 5 | 105 | 100 | 97 | 94 | 104 | 99 | 96 | 94 | 98 | 95 | 93 | 96 | 94 | 92 | 95 | 93 | 92 | 95 | 93 | 92 | 91 |
| 6 | 103 | 98 | 94 | 92 | 102 | 97 | 94 | 91 | 96 | 93 | 91 | 95 | 92 | 90 | 93 | 91 | 90 | 93 | 91 | 90 | 89 |
| 7 | 101 | 95 | 92 | 90 | 100 | 95 | 92 | 89 | 94 | 91 | 89 | 93 | 90 | 89 | 92 | 90 | 88 | 92 | 90 | 88 | 87 |
| 8 | 99 | 93 | 90 | 88 | 98 | 93 | 90 | 88 | 92 | 89 | 87 | 91 | 89 | 87 | 91 | 88 | 87 | 91 | 88 | 87 | 86 |
| 9 | 97 | 92 | 88 | 86 | 96 | 91 | 88 | 86 | 91 | 88 | 86 | 90 | 87 | 86 | 89 | 87 | 85 | 89 | 87 | 85 | 85 |
| 10 | 95 | 90 | 87 | 85 | 95 | 90 | 87 | 85 | 89 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 88 | 86 | 84 | 83 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1054003 | 1054003 | 1054003 |
| 5° | 910544 | 919015 | 922439 |
| 10° | 548125 | 553249 | 580792 |
| 15° | 189584 | 185145 | 199908 |
| 20° | 49796 | 46845 | 46974 |
| 25° | 10851 | 13074 | 14898 |
| 30° | 4653 | 4653 | 4813 |
| 35° | 2607 | 2313 | 2460 |
| 40° | 1147 | 1326 | 1484 |
| 45° | 365 | 536 | 536 |
| 50° | 188 | 188 | 188 |
| 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: 22.5°
 Vertical Angle: 45°
 Luminance: 536 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 437.7 | 53.3 |
| 10°-20° | 333.3 | 40.5 |
| 20°-30° | 41.2 | 5.0 |
| 30°-40° | 7.8 | 0.9 |
| 40°-50° | 1.9 | 0.2 |
| 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° | 812.2 | 98.8 |
| 0°-40° | 820.0 | 99.8 |
| 0°-60° | 822.0 | 100.0 |
| 0°-90° | 822.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 822.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 6120 | 6120 | 6120 | 6120 | 6120 | |
| 5° | 5267 | 5263 | 5316 | 5312 | 5336 | 434 |
| 15° | 1063 | 1025 | 1038 | 1101 | 1121 | 333 |
| 25° | 57 | 65 | 69 | 72 | 78 | 39 |
| 35° | 12 | 12 | 11 | 12 | 12 | 8 |
| 45° | 2 | 2 | 2 | 2 | 2 | 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° | 6120.0 | 6120.0 | 6120.0 | 6120.0 | 6120.0 |
| 1° | 6091.5 | 6084.1 | 6090.0 | 6077.6 | 6103.2 |
| 2° | 5994.1 | 5986.7 | 5986.7 | 5979.4 | 5983.1 |
| 3° | 5812.5 | 5824.2 | 5816.8 | 5801.5 | 5821.2 |
| 4° | 5564.9 | 5578.1 | 5589.8 | 5590.6 | 5593.5 |
| 5° | 5266.9 | 5263.2 | 5315.9 | 5312.3 | 5335.7 |
| 6° | 4927.1 | 4922.7 | 4945.4 | 4983.5 | 5030.3 |
| 7° | 4553.6 | 4500.1 | 4560.9 | 4637.8 | 4700.8 |
| 8° | 4070.3 | 4084.2 | 4125.9 | 4216.7 | 4267.3 |
| 9° | 3660.2 | 3578.9 | 3667.5 | 3775.9 | 3830.8 |
| 10° | 3134.3 | 3068.4 | 3163.6 | 3277.9 | 3321.1 |
| 12.5° | 1972.9 | 1915.8 | 1946.5 | 2066.6 | 2085.7 |
| 15° | 1063.3 | 1025.3 | 1038.4 | 1100.7 | 1121.2 |
| 17.5° | 542.7 | 508.2 | 500.9 | 540.5 | 544.8 |
| 20° | 271.7 | 263.6 | 255.6 | 259.2 | 256.3 |
| 22.5° | 126.0 | 136.9 | 135.5 | 128.2 | 136.9 |
| 25° | 57.1 | 65.2 | 68.8 | 71.8 | 78.4 |
| 27.5° | 35.2 | 33.7 | 38.8 | 41.7 | 42.5 |
| 30° | 23.4 | 22.7 | 23.4 | 24.2 | 24.2 |
| 32.5° | 16.8 | 16.1 | 15.4 | 15.4 | 16.1 |
| 35° | 12.4 | 12.4 | 11.0 | 11.7 | 11.7 |
| 37.5° | 8.8 | 8.8 | 8.1 | 8.8 | 8.8 |
| 40° | 5.1 | 5.9 | 5.9 | 5.9 | 6.6 |
| 42.5° | 2.9 | 3.7 | 3.7 | 3.7 | 3.7 |
| 45° | 1.5 | 2.2 | 2.2 | 2.2 | 2.2 |
| 47.5° | 0.7 | 0.7 | 0.7 | 1.5 | 1.5 |
| 50° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 52.5° | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 |
| 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 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)