

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: P1312879

Luminaire Tested: LDSQA3D20R359050D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359050D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

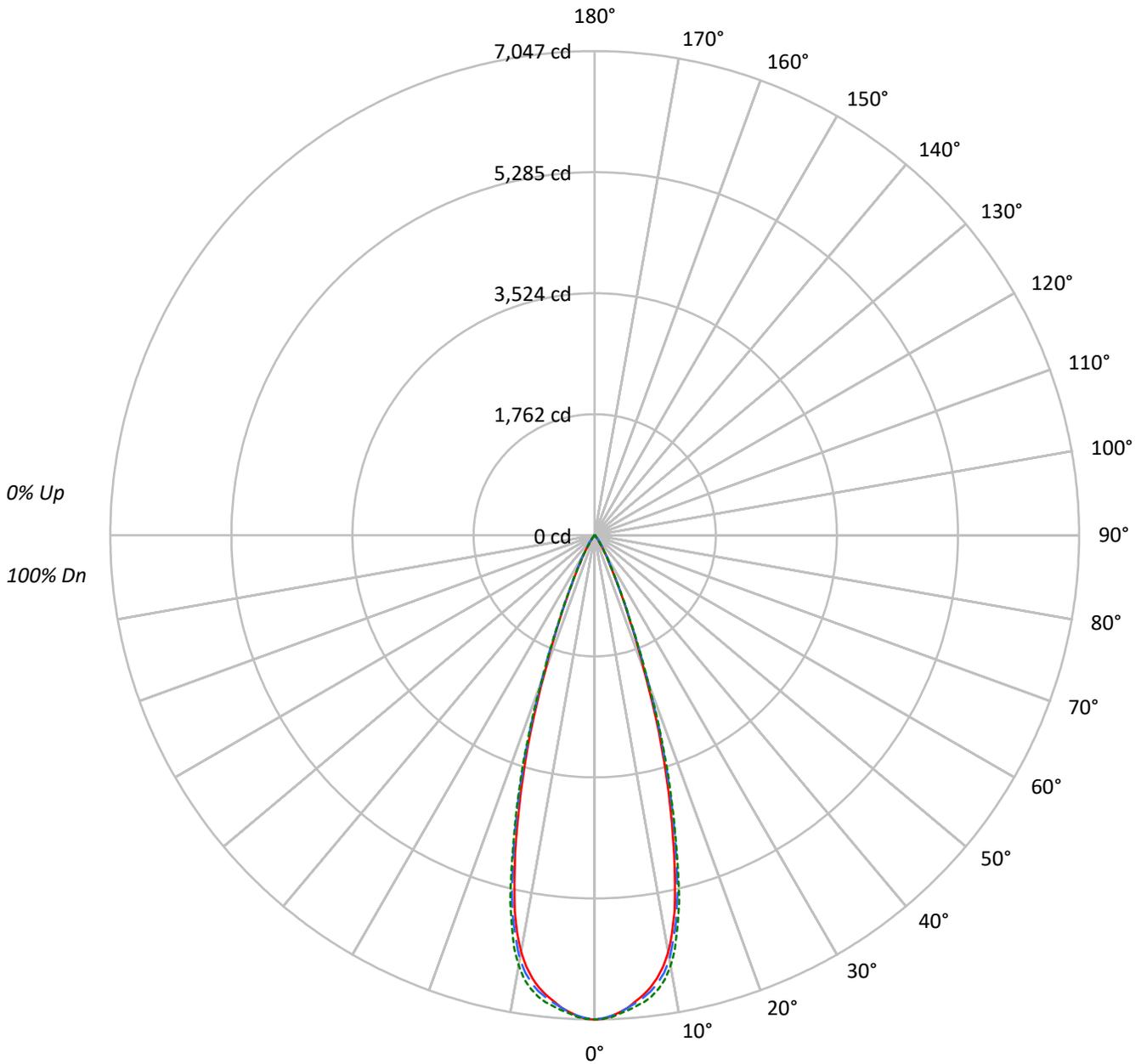
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2366.9 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99 | 99 | 98 | 96 | | |
| 2 | 111 | 107 | 104 | 101 | 109 | 105 | 103 | 100 | 102 | 100 | 98 | 99 | 98 | 96 | 97 | 95 | 94 | 93 | | |
| 3 | 107 | 102 | 98 | 95 | 105 | 101 | 97 | 95 | 98 | 96 | 93 | 96 | 94 | 92 | 94 | 92 | 90 | 89 | | |
| 4 | 103 | 98 | 94 | 91 | 102 | 97 | 93 | 90 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 89 | 87 | 86 | | |
| 5 | 100 | 94 | 90 | 86 | 99 | 93 | 89 | 86 | 91 | 88 | 85 | 90 | 87 | 85 | 89 | 86 | 84 | 83 | | |
| 6 | 97 | 90 | 86 | 83 | 96 | 90 | 86 | 83 | 88 | 85 | 82 | 87 | 84 | 82 | 86 | 83 | 81 | 80 | | |
| 7 | 94 | 87 | 83 | 80 | 93 | 87 | 82 | 79 | 85 | 82 | 79 | 84 | 81 | 79 | 83 | 81 | 78 | 77 | | |
| 8 | 91 | 84 | 80 | 77 | 90 | 84 | 79 | 77 | 83 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 76 | 75 | | |
| 9 | 88 | 81 | 77 | 74 | 88 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 74 | 79 | 76 | 73 | 72 | | |
| 10 | 86 | 79 | 75 | 72 | 85 | 78 | 74 | 72 | 78 | 74 | 71 | 77 | 74 | 71 | 76 | 73 | 71 | 70 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|---------|---------|---------|
| 0° | 1213584 | 1213584 | 1213584 |
| 5° | 1177662 | 1181811 | 1189798 |
| 10° | 1077257 | 1095987 | 1112793 |
| 15° | 773261 | 801592 | 809830 |
| 20° | 388966 | 411637 | 412663 |
| 25° | 147423 | 151983 | 152686 |
| 30° | 59878 | 68688 | 58765 |
| 35° | 21739 | 33008 | 20961 |
| 40° | 9128 | 14119 | 8723 |
| 45° | 2241 | 5845 | 2241 |
| 50° | 1474 | 2465 | 1474 |
| 55° | 1651 | 1651 | 1651 |
| 60° | 1894 | 1894 | 1894 |
| 65° | 1508 | 1508 | 1508 |
| 70° | 906 | 906 | 906 |
| 75° | 1198 | 1198 | 1198 |
| 80° | 1785 | 1785 | 1785 |
| 85° | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5845 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 637.1 | 26.9 |
| 10°-20° | 1186.9 | 50.1 |
| 20°-30° | 426.9 | 18.0 |
| 30°-40° | 89.7 | 3.8 |
| 40°-50° | 15.4 | 0.7 |
| 50°-60° | 5.0 | 0.2 |
| 60°-70° | 3.6 | 0.2 |
| 70°-80° | 1.9 | 0.1 |
| 80°-90° | 0.3 | 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° | 2250.9 | 95.1 |
| 0°-40° | 2340.6 | 98.9 |
| 0°-60° | 2361.0 | 99.8 |
| 0°-90° | 2366.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2366.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|-----|------|-------|------|-------|------|------|
| 0° | 7047 | 7047 | 7047 | 7047 | 7047 | |
| 5° | 6812 | 6825 | 6836 | 6882 | 6882 | 631 |
| 15° | 4337 | 4413 | 4496 | 4544 | 4542 | 1154 |
| 25° | 776 | 787 | 800 | 807 | 804 | 412 |
| 35° | 103 | 122 | 157 | 120 | 100 | 79 |
| 45° | 9 | 15 | 24 | 15 | 9 | 11 |
| 55° | 6 | 6 | 6 | 6 | 6 | 5 |
| 65° | 4 | 4 | 4 | 4 | 4 | 4 |
| 75° | 2 | 2 | 2 | 2 | 2 | 2 |
| 85° | 0 | 0 | 0 | 0 | 0 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1312879

CATALOG NUMBER: LDSQA3D20R359050D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 7046.6 | 7046.6 | 7046.6 | 7046.6 | 7046.6 |
| 1° | 7042.9 | 7042.9 | 7028.1 | 7044.7 | 7039.2 |
| 2° | 7004.1 | 7007.8 | 6998.6 | 7018.9 | 7017.0 |
| 3° | 6950.5 | 6959.8 | 6952.4 | 6981.9 | 6972.7 |
| 4° | 6893.3 | 6900.7 | 6897.0 | 6933.9 | 6930.2 |
| 5° | 6812.0 | 6824.9 | 6836.0 | 6882.2 | 6882.2 |
| 6° | 6728.9 | 6741.8 | 6765.8 | 6815.7 | 6832.3 |
| 7° | 6632.8 | 6649.5 | 6688.3 | 6754.8 | 6765.8 |
| 8° | 6510.9 | 6529.4 | 6583.0 | 6655.0 | 6669.8 |
| 9° | 6359.5 | 6387.2 | 6448.1 | 6535.0 | 6544.2 |
| 10° | 6160.0 | 6182.2 | 6267.1 | 6339.2 | 6363.2 |
| 11° | 5901.4 | 5919.9 | 5995.6 | 6112.0 | 6126.7 |
| 12° | 5587.4 | 5609.6 | 5707.5 | 5783.2 | 5798.0 |
| 13° | 5190.3 | 5232.8 | 5351.0 | 5424.9 | 5465.5 |
| 14° | 4782.1 | 4839.3 | 4924.3 | 5029.6 | 5003.7 |
| 15° | 4336.9 | 4412.7 | 4495.8 | 4543.8 | 4542.0 |
| 17.5° | 3245.3 | 3289.6 | 3363.5 | 3391.2 | 3428.2 |
| 20° | 2122.3 | 2179.5 | 2246.0 | 2271.9 | 2251.6 |
| 22.5° | 1317.0 | 1331.7 | 1352.1 | 1363.1 | 1359.4 |
| 25° | 775.8 | 786.9 | 799.8 | 807.2 | 803.5 |
| 27.5° | 467.3 | 493.2 | 511.6 | 489.5 | 476.5 |
| 30° | 301.1 | 312.2 | 345.4 | 315.8 | 295.5 |
| 32.5° | 179.2 | 205.0 | 232.7 | 197.6 | 171.8 |
| 35° | 103.4 | 121.9 | 157.0 | 120.1 | 99.7 |
| 37.5° | 66.5 | 75.7 | 101.6 | 73.9 | 64.6 |
| 40° | 40.6 | 51.7 | 62.8 | 48.0 | 38.8 |
| 42.5° | 20.3 | 31.4 | 36.9 | 27.7 | 20.3 |
| 45° | 9.2 | 14.8 | 24.0 | 14.8 | 9.2 |
| 47.5° | 5.5 | 7.4 | 14.8 | 7.4 | 5.5 |
| 50° | 5.5 | 5.5 | 9.2 | 5.5 | 5.5 |
| 52.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 55° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 57.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 60° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 62.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 65° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 67.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 70° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 72.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 77.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 80° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 82.5° | 1.8 | 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)