

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: P1314597

Luminaire Tested: LDSQA3D13R159730DE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159730DE010 3LSQCA45R 1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQCA45R 1MMS TRII
Light Source: -
Ballast/Driver: -

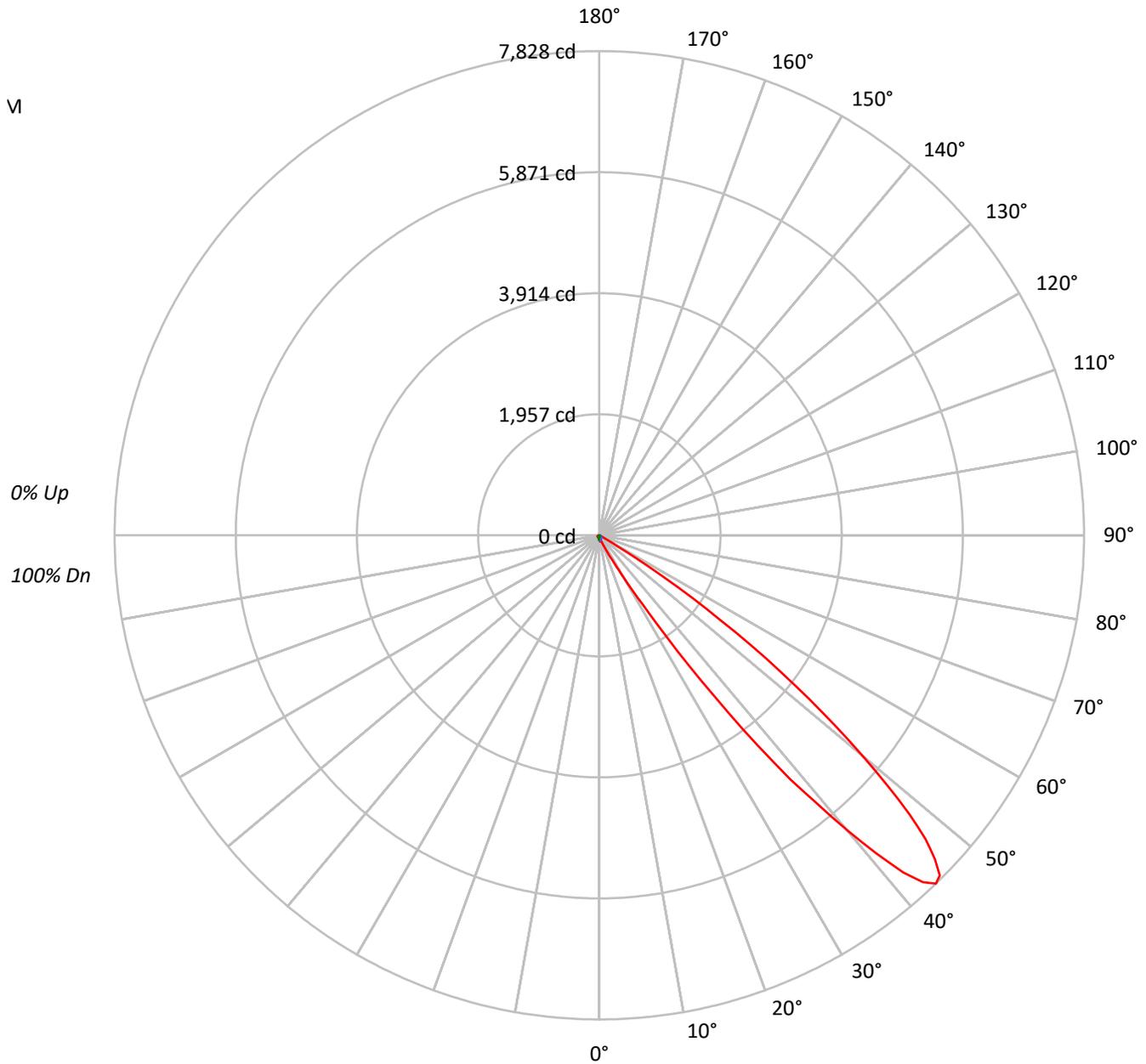
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08
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°



TEST NUMBER: P1314597

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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 | 110 | 106 | 102 | 99 | 107 | 104 | 100 | 97 | 100 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 89 | 89 | 89 | 87 |
| 2 | 101 | 93 | 87 | 81 | 98 | 91 | 85 | 80 | 87 | 83 | 78 | 84 | 80 | 77 | 81 | 78 | 75 | 75 | 75 | 75 | 73 |
| 3 | 91 | 81 | 73 | 67 | 89 | 79 | 72 | 66 | 76 | 70 | 65 | 74 | 68 | 64 | 71 | 67 | 63 | 63 | 63 | 63 | 61 |
| 4 | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 55 | 67 | 60 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 53 | 53 | 53 | 50 |
| 5 | 75 | 62 | 52 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 44 | 44 | 44 | 42 |
| 6 | 68 | 54 | 45 | 38 | 66 | 53 | 44 | 38 | 51 | 43 | 37 | 49 | 42 | 37 | 48 | 42 | 37 | 37 | 37 | 37 | 35 |
| 7 | 62 | 47 | 38 | 32 | 60 | 47 | 38 | 32 | 45 | 37 | 31 | 44 | 36 | 31 | 42 | 36 | 31 | 31 | 31 | 31 | 29 |
| 8 | 56 | 42 | 33 | 27 | 55 | 41 | 33 | 27 | 40 | 32 | 26 | 39 | 31 | 26 | 37 | 31 | 26 | 26 | 26 | 26 | 24 |
| 9 | 52 | 37 | 28 | 22 | 50 | 37 | 28 | 22 | 35 | 28 | 22 | 34 | 27 | 22 | 33 | 27 | 22 | 22 | 22 | 22 | 20 |
| 10 | 48 | 33 | 25 | 19 | 46 | 33 | 25 | 19 | 32 | 24 | 19 | 31 | 24 | 19 | 30 | 23 | 19 | 19 | 19 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|---------|-------|-------|-------|-------|
| 0° | 13364 | 13364 | 13364 | 13364 | 13364 |
| 5° | 16579 | 14764 | 12050 | 10546 | 10390 |
| 10° | 16299 | 12644 | 9304 | 8237 | 8377 |
| 15° | 13515 | 9004 | 6686 | 6829 | 7310 |
| 20° | 23478 | 7184 | 5113 | 5901 | 6708 |
| 25° | 52333 | 8608 | 4143 | 5473 | 6290 |
| 30° | 156487 | 10580 | 3639 | 5369 | 6582 |
| 35° | 602436 | 11900 | 3301 | 5487 | 6959 |
| 40° | 1398295 | 10387 | 3125 | 5688 | 7442 |
| 45° | 1893919 | 7843 | 2752 | 6162 | 8062 |
| 50° | 1485007 | 4662 | 2813 | 6538 | 8869 |
| 55° | 712790 | 2102 | 2612 | 7056 | 9668 |
| 60° | 65135 | 310 | 2411 | 7509 | 10816 |
| 65° | 7091 | 0 | 2119 | 7824 | 11736 |
| 70° | 1762 | 0 | 2618 | 8359 | 12740 |
| 75° | 1730 | 599 | 3460 | 9249 | 14506 |
| 80° | 1686 | 1686 | 4364 | 9521 | 15571 |
| 85° | 1778 | 1778 | 6916 | 8695 | 17191 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1893919 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.6 | 0.8 |
| 10°-20° | 13.8 | 1.6 |
| 20°-30° | 33.0 | 3.8 |
| 30°-40° | 180.8 | 20.7 |
| 40°-50° | 437.8 | 50.1 |
| 50°-60° | 174.6 | 20.0 |
| 60°-70° | 15.1 | 1.7 |
| 70°-80° | 8.5 | 1.0 |
| 80°-90° | 3.8 | 0.4 |
| 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° | 53.4 | 6.1 |
| 0°-40° | 234.2 | 26.8 |
| 0°-60° | 846.6 | 96.9 |
| 0°-90° | 874.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 874.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 78 | 78 | 78 | 78 | 78 | |
| 5° | 96 | 85 | 70 | 61 | 60 | 9 |
| 15° | 76 | 50 | 38 | 38 | 41 | 26 |
| 25° | 275 | 45 | 22 | 29 | 33 | 166 |
| 35° | 2865 | 57 | 16 | 26 | 33 | 2025 |
| 45° | 7776 | 32 | 11 | 25 | 33 | 5485 |
| 55° | 2374 | 7 | 9 | 24 | 32 | 2211 |
| 65° | 17 | 0 | 5 | 19 | 29 | 45 |
| 75° | 3 | 1 | 5 | 14 | 22 | 3 |
| 85° | 1 | 1 | 4 | 4 | 9 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314597
 CATALOG NUMBER: LDSQA3D13R159730DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0° | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 2.5° | 87.1 | 87.1 | 88.0 | 87.1 | 87.1 | 87.1 | 87.1 | 86.3 | 86.3 | 86.3 | 83.7 |
| 5° | 95.9 | 95.9 | 95.9 | 95.9 | 95.0 | 95.0 | 95.0 | 94.1 | 94.1 | 93.2 | 85.4 |
| 7.5° | 99.3 | 99.3 | 98.5 | 98.5 | 97.6 | 97.6 | 96.7 | 95.9 | 95.0 | 94.1 | 81.9 |
| 10° | 93.2 | 93.2 | 93.2 | 92.4 | 92.4 | 91.5 | 90.6 | 89.8 | 88.9 | 87.1 | 72.3 |
| 12.5° | 82.8 | 82.8 | 83.7 | 82.8 | 81.9 | 81.0 | 79.3 | 78.4 | 77.6 | 75.8 | 60.1 |
| 15° | 75.8 | 75.8 | 75.8 | 74.9 | 74.1 | 72.3 | 71.5 | 69.7 | 68.8 | 66.2 | 50.5 |
| 17.5° | 96.7 | 96.7 | 95.9 | 94.1 | 90.6 | 88.0 | 83.7 | 80.2 | 75.8 | 70.6 | 43.6 |
| 20° | 128.1 | 128.1 | 126.4 | 124.6 | 120.3 | 115.9 | 108.9 | 102.8 | 95.9 | 89.8 | 39.2 |
| 22.5° | 185.6 | 188.2 | 183.0 | 176.9 | 170.8 | 160.3 | 150.8 | 141.2 | 129.0 | 118.5 | 40.1 |
| 25° | 275.4 | 278.0 | 275.4 | 261.4 | 250.1 | 236.2 | 217.9 | 198.7 | 177.8 | 158.6 | 45.3 |
| 27.5° | 446.2 | 447.9 | 443.6 | 409.6 | 391.3 | 354.7 | 322.4 | 291.1 | 256.2 | 221.4 | 49.7 |
| 30° | 786.9 | 787.8 | 759.9 | 691.9 | 631.8 | 551.6 | 483.7 | 418.3 | 363.4 | 307.6 | 53.2 |
| 31° | 1036.2 | 1011.8 | 952.5 | 870.6 | 774.7 | 666.7 | 573.4 | 488.9 | 407.0 | 346.8 | 54.0 |
| 32° | 1315.9 | 1312.4 | 1213.9 | 1071.9 | 943.8 | 808.7 | 668.4 | 560.3 | 466.2 | 384.3 | 54.9 |
| 33° | 1686.3 | 1688.0 | 1532.9 | 1365.6 | 1155.6 | 974.3 | 790.4 | 642.3 | 529.0 | 428.8 | 56.6 |
| 34° | 2264.9 | 2129.0 | 1946.8 | 1720.3 | 1434.4 | 1161.7 | 922.9 | 737.3 | 585.6 | 471.5 | 56.6 |
| 35° | 2865.4 | 2728.5 | 2528.1 | 2184.8 | 1792.6 | 1410.9 | 1080.6 | 839.2 | 653.6 | 517.6 | 56.6 |
| 36° | 3538.1 | 3422.2 | 3119.0 | 2680.6 | 2180.4 | 1646.2 | 1247.9 | 956.9 | 720.7 | 559.5 | 55.8 |
| 37° | 4264.9 | 4095.0 | 3758.6 | 3280.2 | 2610.9 | 1977.3 | 1451.9 | 1073.6 | 787.8 | 604.8 | 54.0 |
| 38° | 5003.1 | 4849.7 | 4425.3 | 3845.8 | 3125.1 | 2326.8 | 1655.8 | 1186.1 | 849.7 | 638.8 | 51.4 |
| 39° | 5562.5 | 5478.9 | 5058.0 | 4410.5 | 3535.5 | 2658.0 | 1865.8 | 1306.3 | 915.0 | 672.8 | 48.8 |
| 40° | 6219.6 | 6084.5 | 5685.4 | 4884.5 | 4020.9 | 2995.2 | 2071.5 | 1412.6 | 969.1 | 699.8 | 46.2 |
| 41° | 6819.2 | 6648.4 | 6144.7 | 5370.8 | 4409.6 | 3298.5 | 2266.7 | 1522.4 | 1012.6 | 715.5 | 44.4 |
| 42° | 7333.3 | 7134.6 | 6608.3 | 5787.4 | 4734.6 | 3540.7 | 2422.7 | 1600.9 | 1053.6 | 728.5 | 41.8 |
| 43° | 7666.2 | 7494.6 | 6976.9 | 6100.2 | 5012.6 | 3763.0 | 2568.2 | 1682.8 | 1078.9 | 737.3 | 38.3 |
| 44° | 7828.3 | 7654.9 | 7153.8 | 6296.3 | 5183.4 | 3896.3 | 2662.3 | 1739.4 | 1106.8 | 748.6 | 35.7 |
| 45° | 7776.0 | 7600.0 | 7115.5 | 6299.8 | 5236.6 | 3944.2 | 2702.4 | 1764.7 | 1121.6 | 759.0 | 32.2 |
| 46° | 7536.4 | 7412.6 | 6924.6 | 6136.0 | 5135.5 | 3892.8 | 2679.7 | 1745.5 | 1116.3 | 759.0 | 28.8 |
| 47° | 7200.0 | 7058.8 | 6594.3 | 5854.5 | 4890.6 | 3760.4 | 2588.2 | 1687.1 | 1084.1 | 741.6 | 25.3 |
| 48° | 6741.6 | 6621.4 | 6133.3 | 5407.4 | 4515.0 | 3471.9 | 2381.7 | 1592.2 | 1033.6 | 707.6 | 21.8 |
| 49° | 6166.5 | 5999.1 | 5545.1 | 4835.7 | 4025.3 | 3062.3 | 2110.7 | 1431.8 | 952.5 | 659.7 | 19.2 |
| 50° | 5542.5 | 5336.0 | 4985.6 | 4263.2 | 3519.0 | 2625.7 | 1754.2 | 1210.5 | 838.3 | 597.0 | 17.4 |
| 51° | 4931.6 | 4721.6 | 4387.8 | 3773.4 | 2978.7 | 2178.7 | 1415.3 | 966.4 | 690.2 | 510.7 | 14.8 |
| 52° | 4298.0 | 4122.0 | 3748.2 | 3265.4 | 2549.9 | 1765.6 | 1179.1 | 817.4 | 573.4 | 428.8 | 12.2 |
| 53° | 3667.1 | 3546.8 | 3191.3 | 2702.4 | 2048.8 | 1442.3 | 963.0 | 699.8 | 500.2 | 366.9 | 9.6 |
| 54° | 3035.3 | 2903.7 | 2633.6 | 2197.8 | 1651.4 | 1138.1 | 816.6 | 585.6 | 434.0 | 319.8 | 8.7 |
| 55° | 2373.9 | 2305.9 | 2056.6 | 1675.8 | 1251.4 | 908.1 | 662.3 | 503.7 | 363.4 | 267.5 | 7.0 |
| 56° | 1828.3 | 1751.6 | 1524.2 | 1215.7 | 929.8 | 711.1 | 535.9 | 411.3 | 307.6 | 224.0 | 5.2 |
| 57° | 1197.4 | 1119.0 | 968.2 | 848.8 | 677.1 | 518.5 | 409.6 | 324.2 | 250.1 | 185.6 | 4.4 |
| 58° | 707.6 | 636.2 | 612.6 | 522.9 | 451.4 | 352.1 | 302.4 | 241.4 | 184.7 | 146.4 | 2.6 |
| 59° | 325.1 | 330.3 | 293.7 | 275.4 | 250.1 | 224.0 | 183.9 | 161.2 | 126.4 | 105.4 | 1.7 |
| 60° | 189.1 | 178.6 | 174.3 | 156.0 | 138.6 | 122.9 | 110.7 | 97.6 | 79.3 | 68.0 | 0.9 |
| 62.5° | 64.5 | 61.9 | 63.6 | 57.5 | 54.0 | 52.3 | 47.9 | 41.0 | 34.0 | 27.9 | 0.0 |
| 65° | 17.4 | 17.4 | 16.6 | 15.7 | 14.8 | 13.9 | 13.1 | 11.3 | 10.5 | 8.7 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 6.1 | 6.1 | 5.2 | 5.2 | 4.4 | 4.4 | 3.5 | 3.5 | 2.6 | 2.6 | 0.0 |
| 70° | 3.5 | 3.5 | 3.5 | 2.6 | 2.6 | 2.6 | 1.7 | 1.7 | 1.7 | 0.9 | 0.0 |
| 72.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 | 1.7 | 1.7 | 0.9 | 0.9 |
| 75° | 2.6 | 2.6 | 2.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.9 |
| 77.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.9 | 1.7 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.7 |
| 85° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P1314597

CATALOG NUMBER: LDSQA3D13R159730DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 2.5° | 80.2 | 76.7 | 72.3 | 69.7 | 68.8 | 68.0 |
| 5° | 76.7 | 69.7 | 64.5 | 61.0 | 60.1 | 60.1 |
| 7.5° | 68.8 | 61.0 | 55.8 | 54.0 | 53.2 | 53.2 |
| 10° | 60.1 | 53.2 | 48.8 | 47.1 | 47.9 | 47.9 |
| 12.5° | 50.5 | 44.4 | 42.7 | 42.7 | 43.6 | 44.4 |
| 15° | 41.0 | 37.5 | 37.5 | 38.3 | 40.1 | 41.0 |
| 17.5° | 34.0 | 32.2 | 33.1 | 34.9 | 36.6 | 38.3 |
| 20° | 27.9 | 27.9 | 29.6 | 32.2 | 34.9 | 36.6 |
| 22.5° | 23.5 | 24.4 | 27.0 | 29.6 | 33.1 | 34.9 |
| 25° | 20.0 | 21.8 | 24.4 | 28.8 | 32.2 | 33.1 |
| 27.5° | 17.4 | 20.0 | 23.5 | 27.9 | 31.4 | 33.1 |
| 30° | 14.8 | 18.3 | 22.7 | 27.0 | 31.4 | 33.1 |
| 31° | 13.9 | 17.4 | 21.8 | 27.0 | 31.4 | 33.1 |
| 32° | 13.1 | 17.4 | 21.8 | 27.0 | 31.4 | 33.1 |
| 33° | 12.2 | 16.6 | 21.8 | 26.1 | 31.4 | 33.1 |
| 34° | 11.3 | 16.6 | 21.8 | 27.0 | 31.4 | 33.1 |
| 35° | 10.5 | 15.7 | 20.9 | 26.1 | 30.5 | 33.1 |
| 36° | 9.6 | 15.7 | 20.9 | 26.1 | 31.4 | 33.1 |
| 37° | 8.7 | 15.7 | 20.9 | 26.1 | 30.5 | 33.1 |
| 38° | 8.7 | 14.8 | 20.0 | 26.1 | 30.5 | 33.1 |
| 39° | 7.8 | 13.9 | 20.0 | 26.1 | 30.5 | 33.1 |
| 40° | 7.0 | 13.9 | 19.2 | 25.3 | 30.5 | 33.1 |
| 41° | 6.1 | 13.1 | 19.2 | 25.3 | 30.5 | 33.1 |
| 42° | 5.2 | 13.1 | 19.2 | 25.3 | 30.5 | 33.1 |
| 43° | 4.4 | 12.2 | 18.3 | 25.3 | 30.5 | 33.1 |
| 44° | 4.4 | 12.2 | 18.3 | 25.3 | 30.5 | 33.1 |
| 45° | 3.5 | 11.3 | 17.4 | 25.3 | 30.5 | 33.1 |
| 46° | 3.5 | 11.3 | 17.4 | 24.4 | 30.5 | 33.1 |
| 47° | 2.6 | 11.3 | 17.4 | 24.4 | 30.5 | 33.1 |
| 48° | 2.6 | 10.5 | 17.4 | 24.4 | 30.5 | 33.1 |
| 49° | 1.7 | 10.5 | 17.4 | 24.4 | 30.5 | 33.1 |
| 50° | 1.7 | 10.5 | 16.6 | 24.4 | 30.5 | 33.1 |
| 51° | 1.7 | 10.5 | 16.6 | 24.4 | 30.5 | 33.1 |
| 52° | 1.7 | 9.6 | 16.6 | 24.4 | 30.5 | 33.1 |
| 53° | 1.7 | 9.6 | 16.6 | 24.4 | 30.5 | 33.1 |
| 54° | 1.7 | 9.6 | 15.7 | 24.4 | 30.5 | 33.1 |
| 55° | 1.7 | 8.7 | 15.7 | 23.5 | 30.5 | 32.2 |
| 56° | 1.7 | 8.7 | 15.7 | 23.5 | 30.5 | 32.2 |
| 57° | 1.7 | 8.7 | 14.8 | 23.5 | 30.5 | 32.2 |
| 58° | 1.7 | 7.8 | 14.8 | 22.7 | 29.6 | 32.2 |
| 59° | 1.7 | 7.8 | 13.9 | 22.7 | 29.6 | 31.4 |
| 60° | 1.7 | 7.0 | 13.9 | 21.8 | 28.8 | 31.4 |
| 62.5° | 1.7 | 6.1 | 12.2 | 20.9 | 27.9 | 29.6 |
| 65° | 1.7 | 5.2 | 11.3 | 19.2 | 27.0 | 28.8 |



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CATALOG NUMBER: LDSQA3D13R159730DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.7 | 5.2 | 10.5 | 18.3 | 25.3 | 27.9 |
| 70° | 1.7 | 5.2 | 9.6 | 16.6 | 24.4 | 25.3 |
| 72.5° | 2.6 | 5.2 | 8.7 | 15.7 | 22.7 | 23.5 |
| 75° | 3.5 | 5.2 | 7.8 | 13.9 | 20.9 | 21.8 |
| 77.5° | 3.5 | 5.2 | 7.0 | 12.2 | 18.3 | 19.2 |
| 80° | 3.5 | 4.4 | 6.1 | 9.6 | 14.8 | 15.7 |
| 82.5° | 3.5 | 4.4 | 4.4 | 7.8 | 11.3 | 12.2 |
| 85° | 2.6 | 3.5 | 3.5 | 4.4 | 7.8 | 8.7 |
| 87.5° | 2.6 | 3.5 | 1.7 | 2.6 | 3.5 | 3.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)