

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: P1313131

Luminaire Tested: LDSQA3D02R159727DE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313131
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: LDSQA3D02R159727DE010 3LSQCA45R 1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , 3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

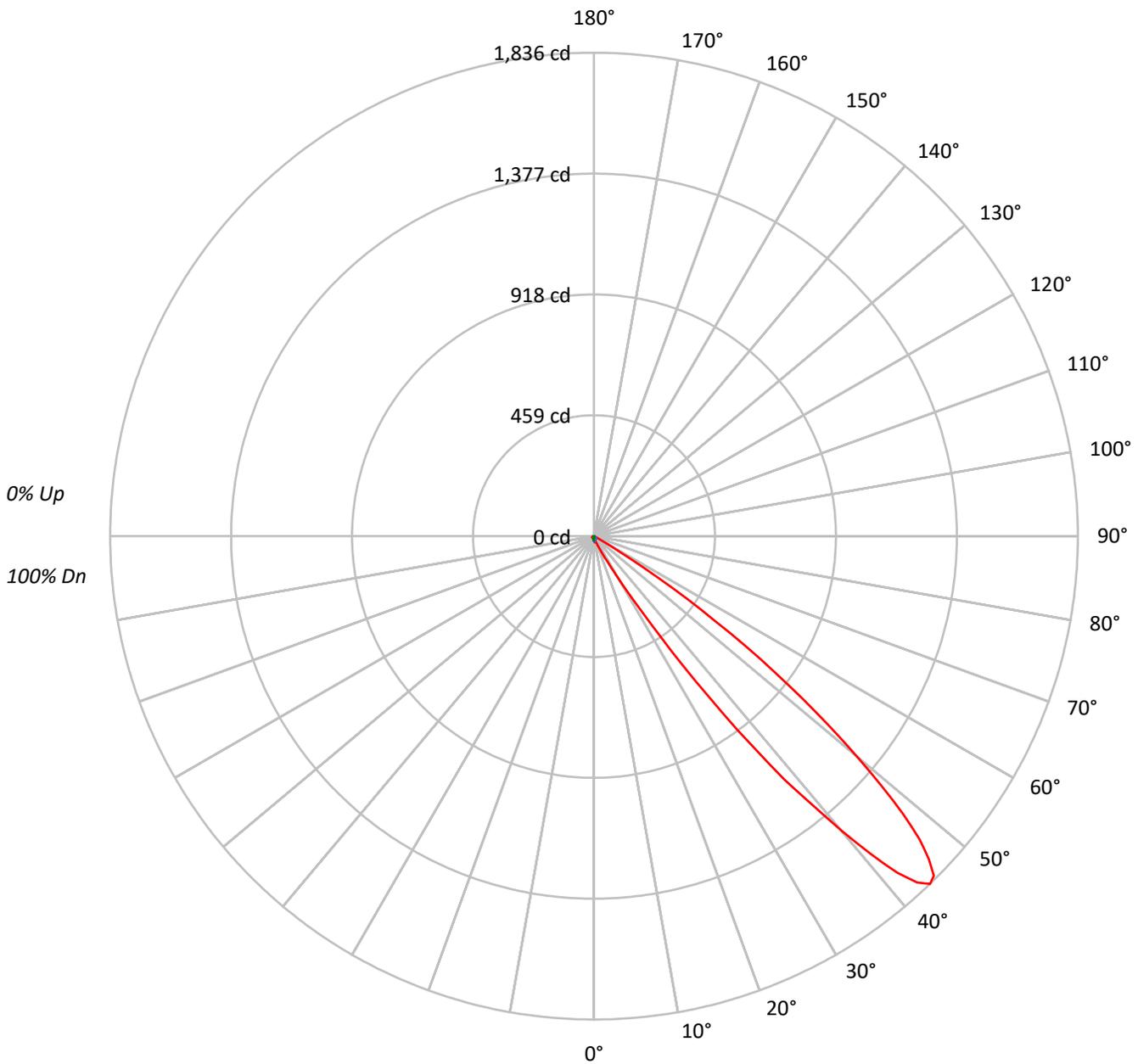
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 205.0 lumens
Efficiency: N/A
Efficacy: 56.9 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): 3.6
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

TEST NUMBER: P1313131
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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 | | | | 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° | 3134 | 3134 | 3134 | 3134 | 3134 |
| 5° | 3890 | 3458 | 2835 | 2472 | 2438 |
| 10° | 3830 | 2973 | 2186 | 1924 | 1959 |
| 15° | 3174 | 2122 | 1569 | 1605 | 1712 |
| 20° | 5498 | 1686 | 1191 | 1393 | 1576 |
| 25° | 12276 | 2014 | 969 | 1273 | 1482 |
| 30° | 36711 | 2486 | 855 | 1253 | 1551 |
| 35° | 141306 | 2796 | 778 | 1282 | 1640 |
| 40° | 327968 | 2428 | 742 | 1326 | 1754 |
| 45° | 444228 | 1851 | 658 | 1437 | 1900 |
| 50° | 348310 | 1099 | 670 | 1527 | 2090 |
| 55° | 167185 | 480 | 601 | 1651 | 2282 |
| 60° | 15293 | 69 | 551 | 1757 | 2549 |
| 65° | 1671 | 0 | 489 | 1834 | 2730 |
| 70° | 403 | 0 | 604 | 1964 | 2971 |
| 75° | 399 | 133 | 799 | 2196 | 3394 |
| 80° | 397 | 397 | 992 | 2182 | 3670 |
| 85° | 395 | 395 | 1581 | 1976 | 3952 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 444228 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 1.6 | 0.8 |
| 10°-20° | 3.2 | 1.6 |
| 20°-30° | 7.7 | 3.8 |
| 30°-40° | 42.4 | 20.7 |
| 40°-50° | 102.7 | 50.1 |
| 50°-60° | 41.0 | 20.0 |
| 60°-70° | 3.5 | 1.7 |
| 70°-80° | 2.0 | 1.0 |
| 80°-90° | 0.9 | 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° | 12.5 | 6.1 |
| 0°-40° | 54.9 | 26.8 |
| 0°-60° | 198.6 | 96.9 |
| 0°-90° | 205.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 205.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 18 | 18 | 18 | 18 | 18 | |
| 5° | 22 | 20 | 16 | 14 | 14 | 2 |
| 15° | 18 | 12 | 9 | 9 | 10 | 6 |
| 25° | 65 | 11 | 5 | 7 | 8 | 39 |
| 35° | 672 | 13 | 4 | 6 | 8 | 475 |
| 45° | 1824 | 8 | 3 | 6 | 8 | 1287 |
| 55° | 557 | 2 | 2 | 6 | 8 | 519 |
| 65° | 4 | 0 | 1 | 4 | 7 | 10 |
| 75° | 1 | 0 | 1 | 3 | 5 | 1 |
| 85° | 0 | 0 | 1 | 1 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313131

CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| 0° | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| 2.5° | 20.4 | 20.4 | 20.6 | 20.4 | 20.4 | 20.4 | 20.4 | 20.2 | 20.2 | 20.2 | 19.6 |
| 5° | 22.5 | 22.5 | 22.5 | 22.5 | 22.3 | 22.3 | 22.3 | 22.1 | 22.1 | 21.9 | 20.0 |
| 7.5° | 23.3 | 23.3 | 23.1 | 23.1 | 22.9 | 22.9 | 22.7 | 22.5 | 22.3 | 22.1 | 19.2 |
| 10° | 21.9 | 21.9 | 21.9 | 21.7 | 21.7 | 21.5 | 21.3 | 21.1 | 20.8 | 20.4 | 17.0 |
| 12.5° | 19.4 | 19.4 | 19.6 | 19.4 | 19.2 | 19.0 | 18.6 | 18.4 | 18.2 | 17.8 | 14.1 |
| 15° | 17.8 | 17.8 | 17.8 | 17.6 | 17.4 | 17.0 | 16.8 | 16.4 | 16.1 | 15.5 | 11.9 |
| 17.5° | 22.7 | 22.7 | 22.5 | 22.1 | 21.3 | 20.6 | 19.6 | 18.8 | 17.8 | 16.6 | 10.2 |
| 20° | 30.0 | 30.0 | 29.6 | 29.2 | 28.2 | 27.2 | 25.6 | 24.1 | 22.5 | 21.1 | 9.2 |
| 22.5° | 43.5 | 44.2 | 42.9 | 41.5 | 40.1 | 37.6 | 35.4 | 33.1 | 30.3 | 27.8 | 9.4 |
| 25° | 64.6 | 65.2 | 64.6 | 61.3 | 58.7 | 55.4 | 51.1 | 46.6 | 41.7 | 37.2 | 10.6 |
| 27.5° | 104.7 | 105.1 | 104.0 | 96.1 | 91.8 | 83.2 | 75.6 | 68.3 | 60.1 | 51.9 | 11.7 |
| 30° | 184.6 | 184.8 | 178.2 | 162.3 | 148.2 | 129.4 | 113.4 | 98.1 | 85.2 | 72.2 | 12.5 |
| 31° | 243.0 | 237.3 | 223.4 | 204.2 | 181.7 | 156.4 | 134.5 | 114.7 | 95.5 | 81.4 | 12.7 |
| 32° | 308.7 | 307.8 | 284.7 | 251.4 | 221.4 | 189.7 | 156.8 | 131.4 | 109.4 | 90.1 | 12.9 |
| 33° | 395.5 | 395.9 | 359.5 | 320.3 | 271.0 | 228.5 | 185.4 | 150.6 | 124.1 | 100.6 | 13.3 |
| 34° | 531.2 | 499.4 | 456.6 | 403.5 | 336.4 | 272.5 | 216.5 | 172.9 | 137.4 | 110.6 | 13.3 |
| 35° | 672.1 | 640.0 | 593.0 | 512.4 | 420.5 | 330.9 | 253.5 | 196.8 | 153.3 | 121.4 | 13.3 |
| 36° | 829.9 | 802.7 | 731.6 | 628.7 | 511.4 | 386.1 | 292.7 | 224.4 | 169.0 | 131.2 | 13.1 |
| 37° | 1000.4 | 960.5 | 881.6 | 769.4 | 612.4 | 463.8 | 340.5 | 251.8 | 184.8 | 141.9 | 12.7 |
| 38° | 1173.5 | 1137.5 | 1038.0 | 902.0 | 733.0 | 545.8 | 388.4 | 278.2 | 199.3 | 149.8 | 12.1 |
| 39° | 1304.7 | 1285.1 | 1186.4 | 1034.5 | 829.3 | 623.4 | 437.6 | 306.4 | 214.6 | 157.8 | 11.4 |
| 40° | 1458.8 | 1427.2 | 1333.5 | 1145.7 | 943.1 | 702.5 | 485.9 | 331.3 | 227.3 | 164.1 | 10.8 |
| 41° | 1599.5 | 1559.4 | 1441.3 | 1259.7 | 1034.3 | 773.7 | 531.7 | 357.1 | 237.5 | 167.8 | 10.4 |
| 42° | 1720.1 | 1673.5 | 1550.0 | 1357.4 | 1110.5 | 830.5 | 568.2 | 375.5 | 247.1 | 170.9 | 9.8 |
| 43° | 1798.1 | 1757.9 | 1636.5 | 1430.8 | 1175.7 | 882.6 | 602.4 | 394.7 | 253.1 | 172.9 | 9.0 |
| 44° | 1836.2 | 1795.5 | 1678.0 | 1476.8 | 1215.8 | 913.9 | 624.5 | 408.0 | 259.6 | 175.6 | 8.4 |
| 45° | 1823.9 | 1782.6 | 1669.0 | 1477.6 | 1228.3 | 925.1 | 633.9 | 413.9 | 263.1 | 178.0 | 7.6 |
| 46° | 1767.7 | 1738.7 | 1624.2 | 1439.2 | 1204.6 | 913.1 | 628.5 | 409.4 | 261.8 | 178.0 | 6.7 |
| 47° | 1688.8 | 1655.7 | 1546.7 | 1373.2 | 1147.1 | 882.0 | 607.1 | 395.7 | 254.3 | 173.9 | 5.9 |
| 48° | 1581.3 | 1553.1 | 1438.6 | 1268.3 | 1059.0 | 814.3 | 558.6 | 373.4 | 242.4 | 166.0 | 5.1 |
| 49° | 1446.4 | 1407.1 | 1300.6 | 1134.2 | 944.1 | 718.3 | 495.1 | 335.8 | 223.4 | 154.7 | 4.5 |
| 50° | 1300.0 | 1251.6 | 1169.4 | 999.9 | 825.4 | 615.9 | 411.5 | 283.9 | 196.6 | 140.0 | 4.1 |
| 51° | 1156.7 | 1107.5 | 1029.2 | 885.1 | 698.7 | 511.0 | 332.0 | 226.7 | 161.9 | 119.8 | 3.5 |
| 52° | 1008.1 | 966.8 | 879.1 | 765.9 | 598.1 | 414.1 | 276.6 | 191.7 | 134.5 | 100.6 | 2.9 |
| 53° | 860.1 | 831.9 | 748.5 | 633.9 | 480.6 | 338.3 | 225.9 | 164.1 | 117.3 | 86.1 | 2.2 |
| 54° | 711.9 | 681.1 | 617.7 | 515.5 | 387.3 | 267.0 | 191.5 | 137.4 | 101.8 | 75.0 | 2.0 |
| 55° | 556.8 | 540.9 | 482.4 | 393.1 | 293.5 | 213.0 | 155.3 | 118.1 | 85.2 | 62.8 | 1.6 |
| 56° | 428.8 | 410.9 | 357.5 | 285.1 | 218.1 | 166.8 | 125.7 | 96.5 | 72.2 | 52.5 | 1.2 |
| 57° | 280.9 | 262.5 | 227.1 | 199.1 | 158.8 | 121.6 | 96.1 | 76.0 | 58.7 | 43.5 | 1.0 |
| 58° | 166.0 | 149.2 | 143.7 | 122.6 | 105.9 | 82.6 | 70.9 | 56.6 | 43.3 | 34.3 | 0.6 |
| 59° | 76.2 | 77.5 | 68.9 | 64.6 | 58.7 | 52.5 | 43.1 | 37.8 | 29.6 | 24.7 | 0.4 |
| 60° | 44.4 | 41.9 | 40.9 | 36.6 | 32.5 | 28.8 | 26.0 | 22.9 | 18.6 | 15.9 | 0.2 |
| 62.5° | 15.1 | 14.5 | 14.9 | 13.5 | 12.7 | 12.3 | 11.2 | 9.6 | 8.0 | 6.5 | 0.0 |
| 65° | 4.1 | 4.1 | 3.9 | 3.7 | 3.5 | 3.3 | 3.1 | 2.7 | 2.5 | 2.0 | 0.0 |



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CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.4 | 1.4 | 1.2 | 1.2 | 1.0 | 1.0 | 0.8 | 0.8 | 0.6 | 0.6 | 0.0 |
| 70° | 0.8 | 0.8 | 0.8 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.2 | 0.0 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 |
| 75° | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 |
| 77.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 0.4 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 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: P1313131

CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 | 18.2 |
| 2.5° | 18.8 | 18.0 | 17.0 | 16.4 | 16.1 | 15.9 |
| 5° | 18.0 | 16.4 | 15.1 | 14.3 | 14.1 | 14.1 |
| 7.5° | 16.1 | 14.3 | 13.1 | 12.7 | 12.5 | 12.5 |
| 10° | 14.1 | 12.5 | 11.4 | 11.0 | 11.2 | 11.2 |
| 12.5° | 11.9 | 10.4 | 10.0 | 10.0 | 10.2 | 10.4 |
| 15° | 9.6 | 8.8 | 8.8 | 9.0 | 9.4 | 9.6 |
| 17.5° | 8.0 | 7.6 | 7.8 | 8.2 | 8.6 | 9.0 |
| 20° | 6.5 | 6.5 | 6.9 | 7.6 | 8.2 | 8.6 |
| 22.5° | 5.5 | 5.7 | 6.3 | 6.9 | 7.8 | 8.2 |
| 25° | 4.7 | 5.1 | 5.7 | 6.7 | 7.6 | 7.8 |
| 27.5° | 4.1 | 4.7 | 5.5 | 6.5 | 7.4 | 7.8 |
| 30° | 3.5 | 4.3 | 5.3 | 6.3 | 7.4 | 7.8 |
| 31° | 3.3 | 4.1 | 5.1 | 6.3 | 7.4 | 7.8 |
| 32° | 3.1 | 4.1 | 5.1 | 6.3 | 7.4 | 7.8 |
| 33° | 2.9 | 3.9 | 5.1 | 6.1 | 7.4 | 7.8 |
| 34° | 2.7 | 3.9 | 5.1 | 6.3 | 7.4 | 7.8 |
| 35° | 2.5 | 3.7 | 4.9 | 6.1 | 7.2 | 7.8 |
| 36° | 2.2 | 3.7 | 4.9 | 6.1 | 7.4 | 7.8 |
| 37° | 2.0 | 3.7 | 4.9 | 6.1 | 7.2 | 7.8 |
| 38° | 2.0 | 3.5 | 4.7 | 6.1 | 7.2 | 7.8 |
| 39° | 1.8 | 3.3 | 4.7 | 6.1 | 7.2 | 7.8 |
| 40° | 1.6 | 3.3 | 4.5 | 5.9 | 7.2 | 7.8 |
| 41° | 1.4 | 3.1 | 4.5 | 5.9 | 7.2 | 7.8 |
| 42° | 1.2 | 3.1 | 4.5 | 5.9 | 7.2 | 7.8 |
| 43° | 1.0 | 2.9 | 4.3 | 5.9 | 7.2 | 7.8 |
| 44° | 1.0 | 2.9 | 4.3 | 5.9 | 7.2 | 7.8 |
| 45° | 0.8 | 2.7 | 4.1 | 5.9 | 7.2 | 7.8 |
| 46° | 0.8 | 2.7 | 4.1 | 5.7 | 7.2 | 7.8 |
| 47° | 0.6 | 2.7 | 4.1 | 5.7 | 7.2 | 7.8 |
| 48° | 0.6 | 2.5 | 4.1 | 5.7 | 7.2 | 7.8 |
| 49° | 0.4 | 2.5 | 4.1 | 5.7 | 7.2 | 7.8 |
| 50° | 0.4 | 2.5 | 3.9 | 5.7 | 7.2 | 7.8 |
| 51° | 0.4 | 2.5 | 3.9 | 5.7 | 7.2 | 7.8 |
| 52° | 0.4 | 2.2 | 3.9 | 5.7 | 7.2 | 7.8 |
| 53° | 0.4 | 2.2 | 3.9 | 5.7 | 7.2 | 7.8 |
| 54° | 0.4 | 2.2 | 3.7 | 5.7 | 7.2 | 7.8 |
| 55° | 0.4 | 2.0 | 3.7 | 5.5 | 7.2 | 7.6 |
| 56° | 0.4 | 2.0 | 3.7 | 5.5 | 7.2 | 7.6 |
| 57° | 0.4 | 2.0 | 3.5 | 5.5 | 7.2 | 7.6 |
| 58° | 0.4 | 1.8 | 3.5 | 5.3 | 6.9 | 7.6 |
| 59° | 0.4 | 1.8 | 3.3 | 5.3 | 6.9 | 7.4 |
| 60° | 0.4 | 1.6 | 3.3 | 5.1 | 6.7 | 7.4 |
| 62.5° | 0.4 | 1.4 | 2.9 | 4.9 | 6.5 | 6.9 |
| 65° | 0.4 | 1.2 | 2.7 | 4.5 | 6.3 | 6.7 |



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CATALOG NUMBER: LDSQA3D02R159727DE010 3LSQCA45R 1MB

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.4 | 1.2 | 2.5 | 4.3 | 5.9 | 6.5 |
| 70° | 0.4 | 1.2 | 2.2 | 3.9 | 5.7 | 5.9 |
| 72.5° | 0.6 | 1.2 | 2.0 | 3.7 | 5.3 | 5.5 |
| 75° | 0.8 | 1.2 | 1.8 | 3.3 | 4.9 | 5.1 |
| 77.5° | 0.8 | 1.2 | 1.6 | 2.9 | 4.3 | 4.5 |
| 80° | 0.8 | 1.0 | 1.4 | 2.2 | 3.5 | 3.7 |
| 82.5° | 0.8 | 1.0 | 1.0 | 1.8 | 2.7 | 2.9 |
| 85° | 0.6 | 0.8 | 0.8 | 1.0 | 1.8 | 2.0 |
| 87.5° | 0.6 | 0.8 | 0.4 | 0.6 | 0.8 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)