

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: P1318904

Luminaire Tested: LDSQA3D05R209835DE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209835DE010 3LSQCA45R 1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQCA45R 1MMS TRII
Light Source: -
Ballast/Driver: -

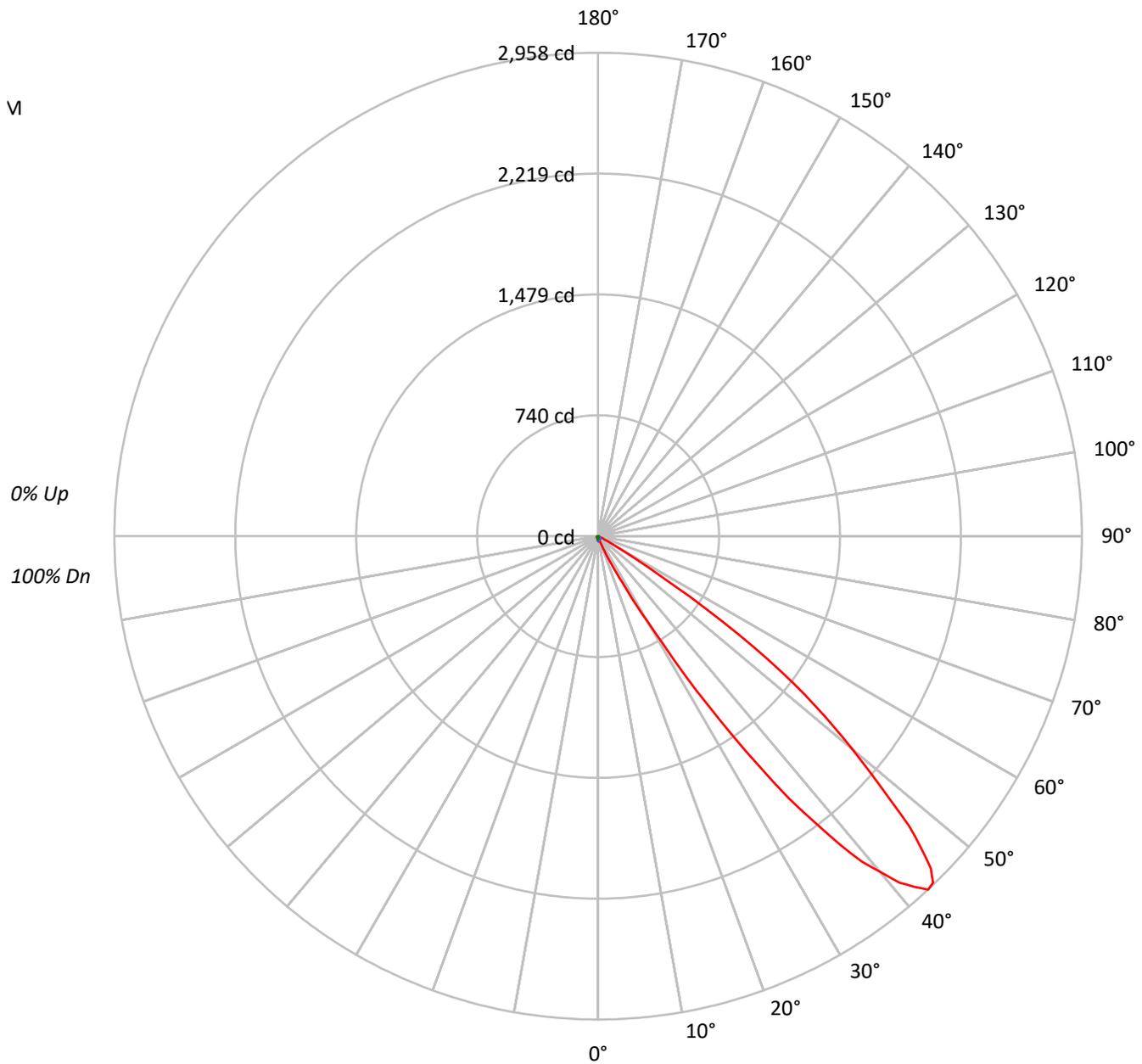
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (Ain): 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: P1318904
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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 | 110 | 106 | 102 | 99 | 108 | 104 | 101 | 97 | 100 | 97 | 94 | 96 | 94 | 92 | 92 | 91 | 89 | 89 | 89 | 89 | 87 |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 78 | 75 | 75 | 75 | 75 | 73 |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 67 | 63 | 63 | 63 | 63 | 61 |
| 4 | 83 | 71 | 62 | 56 | 81 | 70 | 62 | 55 | 67 | 60 | 55 | 65 | 59 | 54 | 63 | 58 | 53 | 53 | 53 | 53 | 51 |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 53 | 46 | 59 | 51 | 46 | 57 | 50 | 45 | 55 | 49 | 45 | 45 | 45 | 45 | 42 |
| 6 | 68 | 55 | 45 | 39 | 66 | 54 | 45 | 38 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 37 | 37 | 37 | 35 |
| 7 | 62 | 48 | 39 | 32 | 60 | 47 | 38 | 32 | 46 | 38 | 32 | 44 | 37 | 32 | 43 | 36 | 31 | 31 | 31 | 31 | 29 |
| 8 | 57 | 42 | 33 | 27 | 55 | 42 | 33 | 27 | 40 | 33 | 27 | 39 | 32 | 27 | 38 | 31 | 27 | 27 | 27 | 27 | 25 |
| 9 | 52 | 38 | 29 | 23 | 51 | 37 | 29 | 23 | 36 | 28 | 23 | 35 | 28 | 23 | 34 | 27 | 23 | 23 | 23 | 23 | 21 |
| 10 | 48 | 34 | 25 | 20 | 47 | 33 | 25 | 20 | 32 | 25 | 19 | 31 | 24 | 19 | 30 | 24 | 19 | 19 | 19 | 19 | 17 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|------|------|------|------|
| 0° | 4926 | 4926 | 4926 | 4926 | 4926 |
| 5° | 5740 | 5342 | 4616 | 4011 | 3873 |
| 10° | 5666 | 4862 | 3655 | 3113 | 3043 |
| 15° | 4957 | 3726 | 2692 | 2478 | 2621 |
| 20° | 7368 | 3116 | 1979 | 2126 | 2328 |
| 25° | 31715 | 3230 | 1539 | 1900 | 2280 |
| 30° | 119896 | 3918 | 1313 | 1849 | 2227 |
| 35° | 363472 | 4709 | 1219 | 1871 | 2355 |
| 40° | 602722 | 4699 | 1034 | 2001 | 2518 |
| 45° | 700575 | 3191 | 950 | 2070 | 2728 |
| 50° | 543819 | 1768 | 938 | 2170 | 3108 |
| 55° | 314764 | 1171 | 931 | 2432 | 3363 |
| 60° | 53217 | 276 | 792 | 2514 | 3720 |
| 65° | 4075 | 0 | 937 | 2853 | 4238 |
| 70° | 604 | 0 | 1158 | 3122 | 4884 |
| 75° | 532 | 266 | 1264 | 3593 | 5656 |
| 80° | 397 | 397 | 1884 | 3868 | 6546 |
| 85° | 790 | 790 | 2964 | 3754 | 6916 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 700575 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.5 | 0.6 |
| 10°-20° | 5.1 | 1.3 |
| 20°-30° | 16.4 | 4.0 |
| 30°-40° | 104.8 | 25.5 |
| 40°-50° | 191.8 | 46.7 |
| 50°-60° | 78.8 | 19.2 |
| 60°-70° | 6.7 | 1.6 |
| 70°-80° | 3.3 | 0.8 |
| 80°-90° | 1.6 | 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° | 24.0 | 5.8 |
| 0°-40° | 128.8 | 31.3 |
| 0°-60° | 399.5 | 97.2 |
| 0°-90° | 411.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 411.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 29 | 29 | 29 | 29 | 29 | |
| 5° | 33 | 31 | 27 | 23 | 22 | 3 |
| 15° | 28 | 21 | 15 | 14 | 15 | 9 |
| 25° | 167 | 17 | 8 | 10 | 12 | 110 |
| 35° | 1729 | 22 | 6 | 9 | 11 | 1094 |
| 45° | 2876 | 13 | 4 | 8 | 11 | 2065 |
| 55° | 1048 | 4 | 3 | 8 | 11 | 916 |
| 65° | 10 | 0 | 2 | 7 | 10 | 33 |
| 75° | 1 | 0 | 2 | 5 | 8 | 1 |
| 85° | 0 | 0 | 2 | 2 | 4 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318904
 CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0° | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| 2.5° | 31.3 | 31.3 | 31.3 | 30.9 | 30.9 | 31.3 | 30.9 | 30.9 | 30.9 | 30.9 | 30.5 |
| 5° | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 32.8 | 32.8 | 32.4 | 30.9 |
| 7.5° | 34.0 | 34.0 | 34.0 | 34.0 | 33.6 | 33.6 | 33.6 | 33.6 | 33.2 | 32.8 | 30.1 |
| 10° | 32.4 | 32.4 | 32.4 | 32.1 | 32.1 | 32.1 | 31.7 | 31.7 | 31.3 | 30.9 | 27.8 |
| 12.5° | 29.4 | 29.4 | 29.4 | 29.4 | 29.0 | 29.0 | 28.6 | 28.6 | 28.2 | 27.8 | 24.3 |
| 15° | 27.8 | 27.8 | 27.8 | 27.4 | 27.4 | 27.0 | 26.7 | 26.3 | 25.9 | 25.1 | 20.9 |
| 17.5° | 30.1 | 30.1 | 29.7 | 29.7 | 29.0 | 28.2 | 27.8 | 26.7 | 25.9 | 24.7 | 18.5 |
| 20° | 40.2 | 40.6 | 39.0 | 37.9 | 37.1 | 34.8 | 33.6 | 31.7 | 30.1 | 28.2 | 17.0 |
| 22.5° | 81.1 | 79.6 | 76.9 | 72.6 | 67.6 | 63.3 | 55.6 | 49.4 | 45.2 | 39.4 | 16.6 |
| 25° | 166.9 | 165.3 | 158.0 | 151.8 | 136.3 | 124.4 | 107.8 | 94.2 | 80.3 | 66.8 | 17.0 |
| 27.5° | 317.1 | 306.7 | 304.7 | 276.6 | 254.9 | 224.0 | 192.0 | 164.9 | 140.2 | 112.8 | 18.2 |
| 30° | 602.9 | 591.0 | 548.9 | 506.4 | 448.0 | 382.0 | 319.0 | 260.3 | 211.3 | 166.9 | 19.7 |
| 31° | 765.1 | 776.7 | 727.3 | 641.9 | 555.8 | 471.2 | 385.1 | 310.5 | 247.2 | 192.0 | 20.5 |
| 32° | 1005.8 | 955.2 | 903.0 | 815.4 | 690.2 | 582.1 | 473.9 | 366.5 | 283.1 | 219.0 | 21.2 |
| 33° | 1233.3 | 1203.5 | 1124.0 | 1014.7 | 864.4 | 712.6 | 572.4 | 432.6 | 327.1 | 251.8 | 21.6 |
| 34° | 1475.8 | 1443.0 | 1378.5 | 1221.7 | 1056.8 | 857.8 | 670.9 | 508.7 | 379.7 | 283.9 | 22.0 |
| 35° | 1728.8 | 1714.9 | 1590.6 | 1454.6 | 1251.8 | 1012.0 | 789.5 | 592.1 | 431.0 | 313.2 | 22.4 |
| 36° | 1983.4 | 1938.6 | 1841.2 | 1642.7 | 1431.0 | 1154.5 | 913.9 | 669.7 | 483.2 | 348.0 | 22.4 |
| 37° | 2174.9 | 2164.9 | 2035.9 | 1842.4 | 1593.6 | 1306.7 | 1021.2 | 755.9 | 535.7 | 377.7 | 22.4 |
| 38° | 2386.2 | 2346.4 | 2215.5 | 2018.5 | 1746.6 | 1446.1 | 1133.6 | 830.8 | 585.5 | 404.8 | 22.0 |
| 39° | 2564.3 | 2505.2 | 2373.1 | 2178.4 | 1880.2 | 1551.9 | 1222.8 | 903.4 | 629.6 | 427.2 | 21.6 |
| 40° | 2680.9 | 2640.0 | 2502.1 | 2283.1 | 2001.5 | 1652.0 | 1313.2 | 963.3 | 662.4 | 444.2 | 20.9 |
| 41° | 2809.5 | 2741.6 | 2605.2 | 2385.1 | 2089.6 | 1740.0 | 1370.0 | 1002.7 | 687.9 | 455.4 | 20.1 |
| 42° | 2886.4 | 2830.8 | 2668.9 | 2453.4 | 2152.5 | 1790.2 | 1416.4 | 1032.8 | 703.3 | 461.2 | 18.5 |
| 43° | 2958.2 | 2882.5 | 2724.9 | 2493.2 | 2194.2 | 1825.8 | 1437.6 | 1046.7 | 706.8 | 461.2 | 16.6 |
| 44° | 2948.6 | 2876.7 | 2713.4 | 2498.6 | 2203.5 | 1836.2 | 1446.5 | 1047.1 | 701.4 | 455.4 | 14.7 |
| 45° | 2876.4 | 2804.9 | 2657.7 | 2451.5 | 2170.3 | 1815.7 | 1428.7 | 1031.7 | 686.4 | 445.3 | 13.1 |
| 46° | 2743.9 | 2672.8 | 2560.0 | 2372.7 | 2108.5 | 1769.4 | 1387.4 | 998.1 | 661.2 | 429.1 | 11.6 |
| 47° | 2599.8 | 2530.7 | 2415.2 | 2245.6 | 2003.1 | 1686.7 | 1327.5 | 950.9 | 626.1 | 405.6 | 10.4 |
| 48° | 2390.8 | 2347.6 | 2231.7 | 2086.9 | 1856.7 | 1557.3 | 1222.5 | 874.1 | 579.0 | 375.0 | 8.9 |
| 49° | 2206.2 | 2160.6 | 2059.1 | 1903.4 | 1665.9 | 1406.7 | 1096.9 | 780.6 | 517.6 | 341.1 | 7.7 |
| 50° | 2029.7 | 1989.9 | 1896.1 | 1720.3 | 1493.6 | 1224.8 | 927.4 | 662.8 | 440.3 | 299.0 | 6.6 |
| 51° | 1857.1 | 1827.3 | 1731.5 | 1570.1 | 1339.9 | 1085.0 | 803.4 | 551.9 | 363.8 | 248.0 | 6.2 |
| 52° | 1683.6 | 1680.2 | 1576.3 | 1412.9 | 1190.4 | 945.5 | 682.9 | 465.8 | 308.6 | 208.2 | 5.8 |
| 53° | 1497.1 | 1474.7 | 1383.9 | 1237.1 | 1023.5 | 800.3 | 579.0 | 392.8 | 265.7 | 177.3 | 5.0 |
| 54° | 1284.6 | 1259.5 | 1162.2 | 1029.7 | 836.2 | 655.5 | 466.6 | 317.5 | 221.3 | 149.9 | 4.6 |
| 55° | 1048.3 | 1005.4 | 934.7 | 798.8 | 653.1 | 500.2 | 360.4 | 251.4 | 176.9 | 124.8 | 3.9 |
| 56° | 795.3 | 752.4 | 712.6 | 612.6 | 479.3 | 373.1 | 268.4 | 192.7 | 138.3 | 98.5 | 3.5 |
| 57° | 553.1 | 550.8 | 485.5 | 408.6 | 320.6 | 254.1 | 183.9 | 136.0 | 97.7 | 76.5 | 2.7 |
| 58° | 358.8 | 346.8 | 305.1 | 260.7 | 209.7 | 158.7 | 118.2 | 92.3 | 66.4 | 52.1 | 2.3 |
| 59° | 251.4 | 227.5 | 205.1 | 173.8 | 132.1 | 100.0 | 76.1 | 59.1 | 46.0 | 36.3 | 1.5 |
| 60° | 154.5 | 149.5 | 134.4 | 105.8 | 85.7 | 70.7 | 56.8 | 43.6 | 33.6 | 25.9 | 0.8 |
| 62.5° | 44.0 | 44.8 | 40.6 | 35.9 | 30.9 | 26.7 | 23.9 | 20.5 | 17.0 | 13.5 | 0.0 |
| 65° | 10.0 | 9.7 | 10.4 | 9.7 | 8.9 | 8.9 | 7.7 | 7.0 | 6.2 | 5.8 | 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° | 3.1 | 3.1 | 2.7 | 2.7 | 2.7 | 2.3 | 2.3 | 1.9 | 1.9 | 1.5 | 0.0 |
| 70° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.0 |
| 72.5° | 1.2 | 1.2 | 1.2 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 |
| 77.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.4 | 0.8 | 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 | 0.4 | 0.4 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 | 0.0 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 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: P1318904
 CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0° | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 |
| 2.5° | 29.7 | 28.2 | 27.0 | 25.9 | 25.5 | 25.5 |
| 5° | 29.0 | 26.7 | 24.3 | 23.2 | 22.4 | 22.4 |
| 7.5° | 26.7 | 23.9 | 21.6 | 20.5 | 20.1 | 20.1 |
| 10° | 23.9 | 20.9 | 18.5 | 17.8 | 17.8 | 17.4 |
| 12.5° | 20.9 | 17.8 | 16.2 | 15.8 | 15.8 | 15.8 |
| 15° | 17.4 | 15.1 | 13.9 | 13.9 | 14.3 | 14.7 |
| 17.5° | 14.7 | 12.4 | 12.0 | 12.7 | 13.5 | 13.5 |
| 20° | 12.4 | 10.8 | 10.8 | 11.6 | 12.4 | 12.7 |
| 22.5° | 10.4 | 9.3 | 9.7 | 10.8 | 12.0 | 12.4 |
| 25° | 9.3 | 8.1 | 8.9 | 10.0 | 11.2 | 12.0 |
| 27.5° | 7.7 | 7.3 | 8.1 | 9.7 | 11.2 | 11.6 |
| 30° | 6.6 | 6.6 | 7.7 | 9.3 | 10.8 | 11.2 |
| 31° | 6.2 | 6.2 | 7.7 | 9.3 | 10.8 | 11.2 |
| 32° | 5.8 | 6.2 | 7.3 | 9.3 | 10.8 | 11.2 |
| 33° | 5.4 | 5.8 | 7.3 | 8.9 | 10.8 | 11.2 |
| 34° | 5.0 | 5.8 | 7.3 | 8.9 | 10.8 | 11.2 |
| 35° | 4.6 | 5.8 | 7.3 | 8.9 | 10.8 | 11.2 |
| 36° | 4.2 | 5.4 | 7.0 | 8.9 | 10.8 | 11.2 |
| 37° | 3.9 | 5.4 | 7.0 | 8.9 | 10.8 | 11.2 |
| 38° | 3.5 | 5.0 | 7.0 | 8.9 | 10.8 | 11.2 |
| 39° | 3.5 | 5.0 | 6.6 | 8.9 | 10.4 | 11.2 |
| 40° | 3.1 | 4.6 | 6.6 | 8.9 | 10.4 | 11.2 |
| 41° | 2.7 | 4.6 | 6.6 | 8.5 | 10.4 | 11.2 |
| 42° | 2.3 | 4.2 | 6.2 | 8.5 | 10.4 | 11.2 |
| 43° | 1.9 | 4.2 | 6.2 | 8.5 | 10.4 | 11.2 |
| 44° | 1.9 | 3.9 | 6.2 | 8.5 | 10.4 | 11.2 |
| 45° | 1.5 | 3.9 | 6.2 | 8.5 | 10.4 | 11.2 |
| 46° | 1.2 | 3.9 | 6.2 | 8.5 | 10.4 | 11.2 |
| 47° | 1.2 | 3.5 | 5.8 | 8.5 | 10.4 | 11.2 |
| 48° | 0.8 | 3.5 | 5.8 | 8.5 | 10.4 | 11.2 |
| 49° | 0.8 | 3.5 | 5.8 | 8.5 | 10.4 | 11.6 |
| 50° | 0.8 | 3.5 | 5.8 | 8.1 | 10.4 | 11.6 |
| 51° | 0.4 | 3.5 | 5.8 | 8.1 | 10.4 | 11.6 |
| 52° | 0.4 | 3.5 | 5.4 | 8.1 | 10.8 | 11.6 |
| 53° | 0.4 | 3.1 | 5.4 | 8.1 | 10.8 | 11.6 |
| 54° | 0.4 | 3.1 | 5.4 | 8.1 | 10.8 | 11.2 |
| 55° | 0.4 | 3.1 | 5.4 | 8.1 | 10.4 | 11.2 |
| 56° | 0.4 | 2.7 | 5.4 | 8.1 | 10.4 | 11.2 |
| 57° | 0.4 | 2.7 | 5.0 | 7.7 | 10.4 | 10.8 |
| 58° | 0.4 | 2.7 | 5.0 | 7.7 | 10.4 | 10.8 |
| 59° | 0.4 | 2.7 | 5.0 | 7.7 | 10.0 | 10.8 |
| 60° | 0.8 | 2.3 | 4.6 | 7.3 | 10.0 | 10.8 |
| 62.5° | 0.8 | 2.3 | 4.6 | 7.3 | 9.7 | 10.4 |
| 65° | 0.8 | 2.3 | 4.2 | 7.0 | 9.7 | 10.4 |



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CATALOG NUMBER: LDSQA3D05R209835DE010 3LSQCA45R 1MMS

CANDELA DISTRIBUTION (continued):

| | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.8 | 1.9 | 3.9 | 6.6 | 9.3 | 10.0 |
| 70° | 0.8 | 2.3 | 3.9 | 6.2 | 8.9 | 9.7 |
| 72.5° | 1.2 | 1.9 | 3.5 | 5.8 | 8.5 | 9.3 |
| 75° | 1.2 | 1.9 | 3.5 | 5.4 | 8.1 | 8.5 |
| 77.5° | 1.5 | 1.9 | 3.1 | 4.6 | 7.3 | 7.7 |
| 80° | 1.5 | 1.9 | 2.7 | 3.9 | 6.2 | 6.6 |
| 82.5° | 1.5 | 1.9 | 1.9 | 3.1 | 4.6 | 5.0 |
| 85° | 1.2 | 1.5 | 1.5 | 1.9 | 3.1 | 3.5 |
| 87.5° | 1.2 | 1.5 | 1.2 | 0.8 | 1.5 | 1.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)