

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P208882

Luminaire Tested: **LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P208882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 35° FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 978.3 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

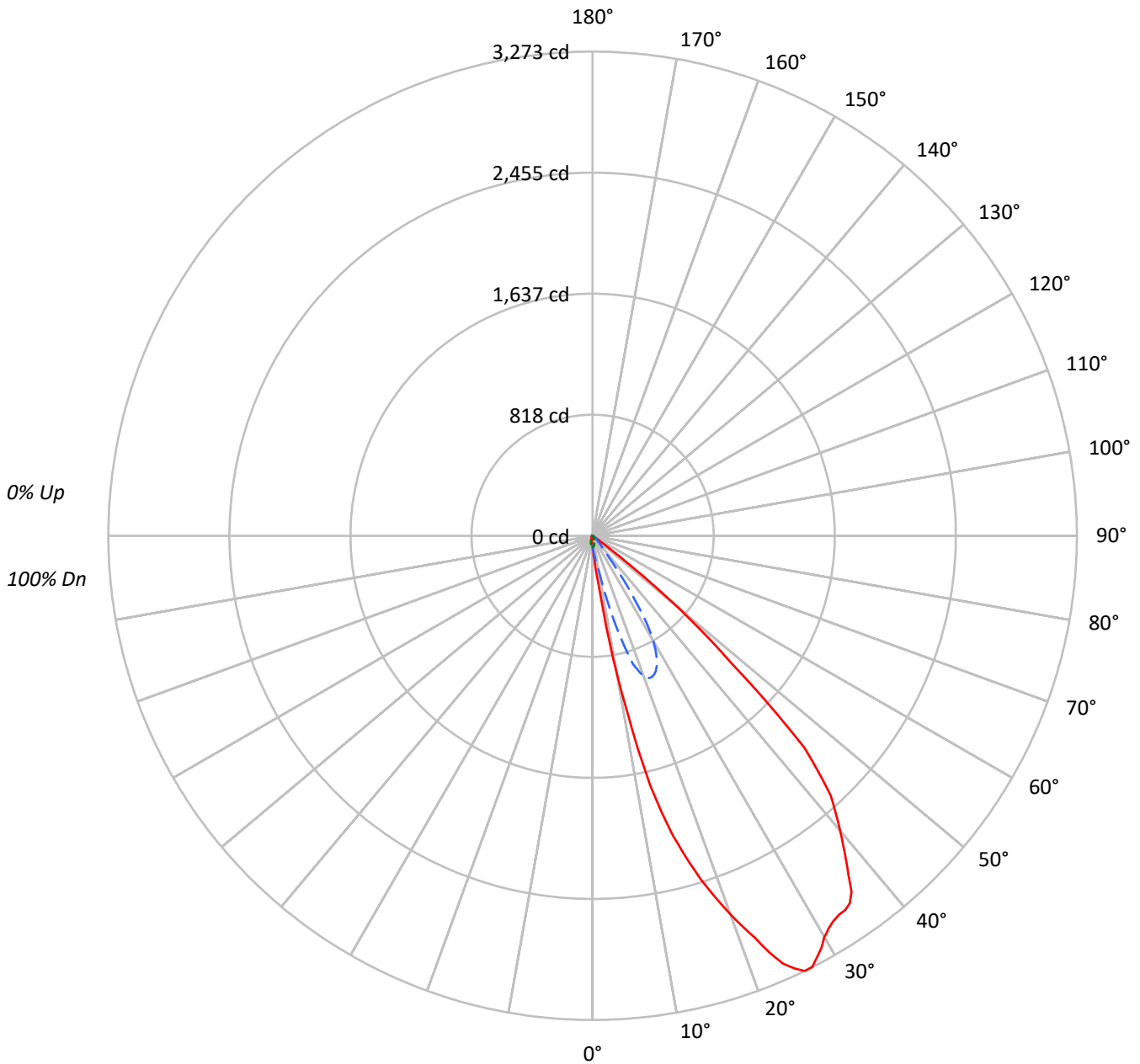
Input Watts (W): 13.73
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

Luminous Intensity Polar Plot





TEST NUMBER: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 100 | | | | | | | | | | | | | | | | | | | |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | | | | | | | | | | | | | | | | | |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 86 | 84 | 82 | | | | | | | | | | | | | | | | | | | |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | | | | | | | | | | | | | | | | | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 79 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | | | | | | | | | | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 60 | | | | | | | | | | | | | | | | | | | |
| 6 | 80 | 69 | 62 | 57 | 78 | 68 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 | | | | | | | | | | | | | | | | | | | |
| 7 | 75 | 64 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 50 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 8 | 70 | 58 | 51 | 46 | 68 | 58 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 45 | 44 | | | | | | | | | | | | | | | | | | | |
| 9 | 65 | 54 | 47 | 42 | 64 | 53 | 46 | 42 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | | | | | | | | | | | | | | | | | | |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 37 | 46 | 41 | 37 | 36 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|------|------|
| 0° | 3345 | 3345 | 3345 |
| 5° | 8199 | 3190 | 1763 |
| 10° | 41543 | 2645 | 1290 |
| 15° | 93450 | 2006 | 1025 |
| 20° | 124811 | 1407 | 861 |
| 25° | 153347 | 983 | 755 |
| 30° | 155737 | 676 | 691 |
| 35° | 159339 | 426 | 615 |
| 40° | 146319 | 253 | 562 |
| 45° | 123223 | 177 | 511 |
| 50° | 50404 | 154 | 455 |
| 55° | 2455 | 143 | 338 |
| 60° | 138 | 138 | 224 |
| 65° | 31 | 163 | 194 |
| 70° | 38 | 201 | 201 |
| 75° | 0 | 316 | 216 |
| 80° | 0 | 471 | 248 |
| 85° | 0 | 939 | 296 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.9 | 1.2 |
| 10°-20° | 129.3 | 13.2 |
| 20°-30° | 297.8 | 30.4 |
| 30°-40° | 327.5 | 33.5 |
| 40°-50° | 192.1 | 19.6 |
| 50°-60° | 15.7 | 1.6 |
| 60°-70° | 1.6 | 0.2 |
| 70°-80° | 1.3 | 0.1 |
| 80°-90° | 1.0 | 0.1 |
| 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° | 439.1 | 44.9 |
| 0°-40° | 766.6 | 78.4 |
| 0°-60° | 974.3 | 99.6 |
| 0°-90° | 978.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 978.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 78 | 78 | 78 | 78 | 78 | |
| 5° | 190 | 131 | 74 | 46 | 41 | 40 |
| 15° | 2096 | 686 | 45 | 25 | 23 | 592 |
| 25° | 3228 | 1010 | 21 | 14 | 16 | 1446 |
| 35° | 3032 | 363 | 8 | 9 | 12 | 1847 |
| 45° | 2024 | 40 | 3 | 6 | 8 | 1401 |
| 55° | 33 | 2 | 2 | 4 | 4 | 131 |
| 65° | 0 | 1 | 2 | 2 | 2 | 0 |
| 75° | 0 | 1 | 2 | 2 | 1 | 0 |
| 85° | 0 | 1 | 2 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 2.5° | 119.7 | 117.2 | 116.5 | 116.2 | 114.2 | 115.2 | 115.9 | 114.2 | 114.2 | 114.2 | 110.7 |
| 5° | 189.7 | 182.5 | 181.6 | 179.9 | 175.1 | 175.1 | 175.7 | 171.5 | 169.9 | 164.1 | 158.9 |
| 7.5° | 389.0 | 362.1 | 374.8 | 367.6 | 347.9 | 341.4 | 340.1 | 322.3 | 311.3 | 289.3 | 269.3 |
| 10° | 950.2 | 890.0 | 908.4 | 889.0 | 843.1 | 813.9 | 813.9 | 764.1 | 726.9 | 661.5 | 595.5 |
| 11° | 1187.1 | 1149.6 | 1168.3 | 1145.7 | 1091.6 | 1055.7 | 1054.7 | 996.1 | 950.5 | 869.9 | 787.7 |
| 12° | 1470.9 | 1413.3 | 1401.3 | 1406.8 | 1346.3 | 1305.2 | 1300.4 | 1236.0 | 1184.5 | 1091.3 | 997.4 |
| 13° | 1731.1 | 1692.3 | 1651.5 | 1654.1 | 1590.7 | 1548.6 | 1538.2 | 1470.6 | 1416.2 | 1315.3 | 1211.4 |
| 14° | 1924.3 | 1902.7 | 1867.4 | 1863.5 | 1806.2 | 1763.8 | 1751.2 | 1682.3 | 1625.3 | 1523.7 | 1414.6 |
| 15° | 2096.5 | 2076.1 | 2042.8 | 2034.0 | 1979.0 | 1936.0 | 1921.4 | 1849.6 | 1791.3 | 1695.5 | 1590.0 |
| 17.5° | 2437.9 | 2424.7 | 2411.7 | 2376.8 | 2335.0 | 2272.2 | 2251.9 | 2168.4 | 2092.6 | 2006.2 | 1891.0 |
| 20° | 2724.0 | 2706.2 | 2679.1 | 2650.6 | 2597.8 | 2529.9 | 2515.6 | 2415.0 | 2335.7 | 2249.6 | 2115.0 |
| 21° | 2828.6 | 2811.1 | 2782.0 | 2749.3 | 2689.4 | 2617.6 | 2597.8 | 2491.7 | 2408.2 | 2318.8 | 2181.9 |
| 22° | 2933.1 | 2916.6 | 2886.8 | 2845.4 | 2779.1 | 2698.5 | 2669.0 | 2557.0 | 2469.0 | 2370.6 | 2233.1 |
| 23° | 3062.6 | 3023.7 | 2991.4 | 2940.5 | 2862.6 | 2771.3 | 2731.5 | 2610.8 | 2518.2 | 2415.6 | 2275.5 |
| 24° | 3165.2 | 3125.7 | 3087.8 | 3026.0 | 2938.0 | 2836.7 | 2785.9 | 2657.4 | 2562.9 | 2451.9 | 2310.4 |
| 25° | 3227.9 | 3207.5 | 3167.7 | 3097.5 | 3002.0 | 2891.4 | 2831.8 | 2695.6 | 2592.3 | 2482.3 | 2339.2 |
| 26° | 3272.9 | 3251.6 | 3217.3 | 3143.8 | 3052.5 | 2939.9 | 2867.4 | 2727.6 | 2620.8 | 2502.0 | 2358.3 |
| 27° | 3271.3 | 3258.4 | 3229.6 | 3164.8 | 3088.1 | 2973.6 | 2897.2 | 2749.0 | 2635.7 | 2512.1 | 2365.8 |
| 28° | 3227.9 | 3227.9 | 3215.0 | 3162.6 | 3096.5 | 2988.4 | 2907.9 | 2752.8 | 2637.3 | 2509.8 | 2360.9 |
| 29° | 3188.5 | 3178.4 | 3181.0 | 3139.9 | 3083.6 | 2978.1 | 2900.1 | 2741.5 | 2625.3 | 2495.2 | 2346.4 |
| 30° | 3132.5 | 3129.6 | 3140.9 | 3107.9 | 3061.3 | 2956.1 | 2875.2 | 2717.9 | 2601.7 | 2471.3 | 2323.1 |
| 31° | 3097.5 | 3089.7 | 3100.7 | 3073.2 | 3022.1 | 2914.3 | 2837.3 | 2683.9 | 2570.6 | 2440.5 | 2294.6 |
| 32° | 3071.3 | 3061.9 | 3074.9 | 3039.3 | 2983.6 | 2877.1 | 2794.9 | 2646.7 | 2530.2 | 2406.6 | 2258.3 |
| 33° | 3055.4 | 3052.5 | 3057.4 | 3009.2 | 2937.6 | 2826.6 | 2752.2 | 2606.9 | 2491.3 | 2368.4 | 2218.5 |
| 34° | 3052.5 | 3046.4 | 3038.0 | 2968.7 | 2891.4 | 2778.7 | 2704.0 | 2562.5 | 2449.6 | 2323.4 | 2170.0 |
| 35° | 3031.5 | 3017.9 | 2998.8 | 2912.7 | 2826.0 | 2718.2 | 2647.7 | 2511.4 | 2397.2 | 2269.7 | 2109.8 |
| 36° | 2977.1 | 2954.1 | 2933.4 | 2843.8 | 2753.8 | 2653.2 | 2586.8 | 2453.5 | 2339.6 | 2207.8 | 2040.8 |
| 37° | 2872.6 | 2864.8 | 2839.6 | 2763.2 | 2681.0 | 2584.2 | 2520.1 | 2393.0 | 2275.2 | 2137.0 | 1963.8 |
| 38° | 2782.0 | 2773.6 | 2750.3 | 2681.3 | 2606.6 | 2513.7 | 2449.9 | 2315.0 | 2202.7 | 2057.3 | 1879.7 |
| 39° | 2690.1 | 2682.6 | 2664.8 | 2589.7 | 2524.7 | 2437.3 | 2373.5 | 2238.6 | 2123.7 | 1969.0 | 1786.8 |
| 40° | 2603.3 | 2595.9 | 2579.7 | 2505.3 | 2440.9 | 2357.7 | 2293.0 | 2155.4 | 2047.3 | 1872.9 | 1680.3 |
| 42.5° | 2382.3 | 2357.0 | 2336.3 | 2264.8 | 2207.2 | 2120.8 | 2050.9 | 1909.4 | 1758.0 | 1573.2 | 1380.0 |
| 45° | 2023.7 | 1992.3 | 1967.7 | 1921.7 | 1859.0 | 1792.3 | 1697.8 | 1545.0 | 1388.4 | 1209.7 | 946.6 |
| 47.5° | 1263.5 | 1219.5 | 1191.3 | 1138.9 | 1068.3 | 1022.7 | 997.8 | 917.2 | 810.4 | 731.4 | 531.4 |
| 50° | 752.5 | 720.1 | 696.5 | 620.4 | 566.7 | 500.0 | 436.6 | 319.4 | 256.3 | 193.9 | 160.5 |
| 51° | 541.1 | 514.6 | 500.7 | 437.9 | 397.1 | 349.5 | 304.9 | 222.3 | 179.0 | 135.3 | 111.7 |
| 52° | 313.3 | 292.9 | 292.2 | 251.8 | 235.9 | 216.5 | 185.1 | 146.6 | 125.2 | 98.1 | 83.8 |
| 53° | 145.6 | 133.7 | 135.9 | 117.2 | 111.0 | 108.4 | 107.4 | 85.4 | 83.5 | 73.1 | 61.8 |
| 54° | 65.4 | 59.9 | 56.0 | 54.0 | 52.4 | 53.1 | 54.4 | 49.2 | 47.3 | 46.0 | 42.1 |
| 55° | 32.7 | 29.8 | 28.2 | 29.8 | 26.5 | 26.9 | 27.8 | 25.9 | 25.2 | 25.2 | 24.6 |
| 57.5° | 7.1 | 6.8 | 6.8 | 7.1 | 6.8 | 6.8 | 7.1 | 7.1 | 7.1 | 6.8 | 6.8 |
| 60° | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 2.3 | 2.6 | 2.6 |



TEST NUMBER: P208882

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CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 63° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 | 0.6 |
| 64° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 |
| 65° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 |
| 66° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 |
| 67.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 |
| 70° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 |
| 72.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 | 0.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.6 |
| 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: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 2.5° | 110.4 | 107.8 | 108.1 | 106.2 | 104.9 | 103.9 | 104.9 | 101.9 | 101.3 | 98.4 | 96.8 |
| 5° | 157.6 | 151.5 | 149.5 | 145.0 | 139.8 | 137.2 | 136.3 | 130.7 | 127.8 | 122.3 | 119.1 |
| 7.5° | 260.5 | 241.1 | 229.8 | 216.5 | 200.3 | 192.2 | 181.9 | 171.9 | 160.8 | 150.5 | 143.4 |
| 10° | 566.7 | 504.9 | 458.6 | 411.0 | 346.6 | 314.2 | 272.8 | 242.4 | 212.0 | 188.0 | 173.1 |
| 11° | 750.8 | 672.2 | 609.7 | 543.7 | 458.3 | 412.0 | 351.5 | 301.6 | 248.9 | 212.3 | 188.4 |
| 12° | 950.2 | 856.0 | 779.0 | 692.9 | 588.4 | 526.2 | 450.5 | 384.5 | 311.0 | 254.7 | 213.6 |
| 13° | 1151.2 | 1043.1 | 954.1 | 849.9 | 731.1 | 651.2 | 561.8 | 480.3 | 388.4 | 316.5 | 257.0 |
| 14° | 1345.7 | 1226.9 | 1128.2 | 1007.2 | 878.3 | 781.9 | 680.3 | 582.5 | 474.1 | 386.7 | 312.0 |
| 15° | 1519.5 | 1393.9 | 1290.7 | 1159.9 | 1024.6 | 913.0 | 799.1 | 685.5 | 572.5 | 461.2 | 372.2 |
| 17.5° | 1818.5 | 1686.5 | 1584.8 | 1447.3 | 1313.6 | 1186.4 | 1056.0 | 908.4 | 769.0 | 630.8 | 525.6 |
| 20° | 2044.7 | 1885.5 | 1763.8 | 1601.0 | 1448.6 | 1305.2 | 1167.4 | 1016.9 | 879.0 | 729.8 | 610.1 |
| 21° | 2102.3 | 1937.3 | 1813.0 | 1649.9 | 1485.5 | 1334.0 | 1189.0 | 1031.1 | 888.1 | 737.6 | 618.5 |
| 22° | 2151.2 | 1985.5 | 1852.5 | 1681.3 | 1513.3 | 1353.1 | 1202.3 | 1036.3 | 887.4 | 732.1 | 612.3 |
| 23° | 2188.4 | 2019.8 | 1884.5 | 1708.8 | 1535.0 | 1367.0 | 1208.5 | 1034.0 | 879.6 | 720.7 | 598.1 |
| 24° | 2223.7 | 2051.2 | 1910.1 | 1725.9 | 1547.6 | 1369.3 | 1205.2 | 1025.0 | 866.7 | 703.6 | 579.0 |
| 25° | 2246.4 | 2072.2 | 1924.0 | 1734.4 | 1548.3 | 1363.2 | 1194.5 | 1009.7 | 847.0 | 680.3 | 554.1 |
| 26° | 2262.5 | 2082.3 | 1928.9 | 1731.4 | 1543.1 | 1350.9 | 1177.7 | 987.1 | 819.8 | 651.5 | 525.3 |
| 27° | 2265.1 | 2081.6 | 1922.7 | 1721.4 | 1525.9 | 1327.6 | 1150.5 | 955.4 | 784.8 | 618.1 | 493.9 |
| 28° | 2255.4 | 2069.6 | 1907.2 | 1702.0 | 1502.0 | 1296.5 | 1115.2 | 917.2 | 746.0 | 581.2 | 459.2 |
| 29° | 2238.3 | 2049.6 | 1880.6 | 1670.3 | 1464.4 | 1254.7 | 1072.9 | 872.8 | 702.3 | 539.5 | 421.0 |
| 30° | 2211.1 | 2020.5 | 1846.7 | 1633.1 | 1421.4 | 1207.5 | 1023.7 | 821.1 | 648.9 | 488.4 | 371.2 |
| 31° | 2178.4 | 1982.9 | 1800.7 | 1581.9 | 1367.4 | 1151.8 | 966.7 | 752.1 | 580.3 | 424.0 | 311.7 |
| 32° | 2136.0 | 1935.3 | 1748.0 | 1525.3 | 1306.8 | 1088.1 | 888.7 | 664.1 | 498.7 | 349.2 | 247.3 |
| 33° | 2089.1 | 1882.6 | 1685.2 | 1452.2 | 1239.5 | 1002.6 | 786.4 | 564.4 | 407.8 | 270.2 | 181.9 |
| 34° | 2031.1 | 1819.5 | 1618.5 | 1377.7 | 1153.1 | 891.6 | 655.0 | 457.0 | 313.9 | 193.2 | 123.6 |
| 35° | 1964.1 | 1746.7 | 1537.6 | 1290.0 | 1036.9 | 763.8 | 532.7 | 363.4 | 224.6 | 128.8 | 90.0 |
| 36° | 1886.1 | 1667.7 | 1451.8 | 1176.4 | 904.6 | 630.1 | 414.6 | 266.4 | 153.7 | 98.1 | 77.3 |
| 37° | 1802.0 | 1579.3 | 1336.9 | 1058.0 | 762.5 | 498.4 | 308.4 | 187.4 | 116.2 | 87.1 | 67.0 |
| 38° | 1707.5 | 1485.2 | 1206.8 | 911.0 | 619.8 | 376.7 | 220.4 | 139.8 | 100.0 | 75.7 | 57.3 |
| 39° | 1603.0 | 1369.0 | 1058.0 | 756.3 | 482.2 | 271.5 | 168.0 | 114.9 | 86.4 | 65.4 | 49.5 |
| 40° | 1487.1 | 1205.2 | 895.8 | 603.6 | 358.6 | 195.8 | 136.9 | 99.4 | 75.4 | 56.0 | 42.1 |
| 42.5° | 1101.3 | 799.4 | 492.9 | 284.8 | 169.3 | 122.0 | 90.9 | 69.9 | 49.5 | 33.7 | 21.7 |
| 45° | 661.8 | 408.1 | 216.2 | 147.9 | 107.1 | 81.9 | 58.6 | 40.5 | 23.6 | 14.6 | 10.0 |
| 47.5° | 295.8 | 170.6 | 121.0 | 95.5 | 69.3 | 48.9 | 28.5 | 17.2 | 10.7 | 7.4 | 5.5 |
| 50° | 115.2 | 93.5 | 72.2 | 55.0 | 33.3 | 19.4 | 12.3 | 8.1 | 5.5 | 3.9 | 2.6 |
| 51° | 89.0 | 72.5 | 56.3 | 40.5 | 22.3 | 13.6 | 9.1 | 6.1 | 4.2 | 2.9 | 1.9 |
| 52° | 68.3 | 55.7 | 42.4 | 27.2 | 15.2 | 10.4 | 7.1 | 4.5 | 3.2 | 1.9 | 1.6 |
| 53° | 50.2 | 42.7 | 29.5 | 19.1 | 11.0 | 7.8 | 5.5 | 3.6 | 2.3 | 1.6 | 1.3 |
| 54° | 34.6 | 29.5 | 18.8 | 12.0 | 8.1 | 5.8 | 3.9 | 2.6 | 1.6 | 1.3 | 1.3 |
| 55° | 21.0 | 18.4 | 12.3 | 8.7 | 5.8 | 4.2 | 2.9 | 1.9 | 1.3 | 1.0 | 1.0 |
| 57.5° | 6.5 | 5.8 | 4.9 | 3.9 | 2.6 | 1.9 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 |
| 60° | 2.3 | 2.3 | 1.9 | 1.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |



TEST NUMBER: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|-------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 63° | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 64° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| 65° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| 66° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| 67.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 |
| 70° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 |
| 72.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 |
| 75° | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 |
| 77.5° | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 |
| 82.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 |
| 85° | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 |
| 87.5° | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 |
| 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: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
| 0° | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 2.5° | 95.5 | 93.9 | 92.6 | 91.3 | 89.6 | 88.7 | 87.7 | 85.8 | 84.8 | 82.5 | 80.9 |
| 5° | 115.5 | 112.0 | 108.4 | 104.9 | 101.6 | 99.0 | 96.4 | 92.9 | 90.3 | 86.4 | 83.2 |
| 7.5° | 135.6 | 128.5 | 122.0 | 116.5 | 110.7 | 106.5 | 101.6 | 96.4 | 91.9 | 86.7 | 81.9 |
| 10° | 158.3 | 145.0 | 134.0 | 124.3 | 115.9 | 109.1 | 102.6 | 95.5 | 90.0 | 83.2 | 77.7 |
| 11° | 168.0 | 152.1 | 138.5 | 126.9 | 117.2 | 109.4 | 101.9 | 94.2 | 88.0 | 81.2 | 75.1 |
| 12° | 182.2 | 158.9 | 143.0 | 129.5 | 117.8 | 109.1 | 101.0 | 92.6 | 86.1 | 79.0 | 72.8 |
| 13° | 206.2 | 171.2 | 147.6 | 131.1 | 118.8 | 108.4 | 99.4 | 90.3 | 83.5 | 76.1 | 69.6 |
| 14° | 246.0 | 192.9 | 157.0 | 134.0 | 118.8 | 107.8 | 97.4 | 87.7 | 80.3 | 72.8 | 66.3 |
| 15° | 294.5 | 228.2 | 175.1 | 140.1 | 118.5 | 106.5 | 95.5 | 85.1 | 77.0 | 69.3 | 62.1 |
| 17.5° | 418.8 | 330.1 | 252.8 | 185.8 | 135.9 | 104.2 | 88.4 | 76.4 | 67.6 | 58.9 | 52.4 |
| 20° | 493.2 | 392.2 | 305.5 | 228.2 | 164.1 | 114.2 | 82.2 | 66.7 | 57.3 | 49.5 | 43.4 |
| 21° | 502.3 | 400.3 | 311.3 | 233.3 | 167.3 | 115.5 | 80.3 | 62.5 | 53.1 | 45.3 | 39.8 |
| 22° | 499.4 | 398.1 | 308.7 | 230.4 | 164.1 | 112.6 | 76.7 | 58.6 | 49.2 | 41.7 | 36.2 |
| 23° | 485.1 | 385.4 | 296.4 | 218.8 | 155.3 | 105.8 | 71.5 | 54.4 | 45.3 | 38.2 | 33.0 |
| 24° | 464.4 | 364.4 | 277.7 | 201.6 | 139.8 | 93.9 | 64.1 | 49.8 | 41.4 | 35.0 | 30.7 |
| 25° | 439.8 | 340.5 | 254.1 | 182.2 | 121.4 | 80.6 | 56.3 | 45.3 | 37.5 | 31.7 | 28.2 |
| 26° | 412.3 | 314.6 | 229.5 | 160.2 | 101.9 | 67.6 | 49.8 | 41.1 | 33.7 | 28.5 | 25.6 |
| 27° | 382.9 | 286.4 | 203.6 | 136.3 | 84.8 | 57.6 | 45.0 | 36.6 | 30.4 | 26.2 | 23.3 |
| 28° | 351.5 | 258.3 | 175.4 | 113.6 | 70.2 | 50.5 | 40.5 | 32.7 | 27.2 | 23.6 | 21.4 |
| 29° | 316.2 | 225.3 | 148.2 | 92.9 | 57.9 | 44.7 | 35.9 | 29.1 | 24.6 | 21.7 | 19.7 |
| 30° | 271.9 | 188.0 | 118.8 | 74.8 | 49.8 | 39.8 | 32.0 | 26.2 | 22.3 | 20.1 | 18.1 |
| 31° | 221.4 | 146.3 | 90.3 | 59.2 | 43.4 | 35.3 | 28.5 | 23.6 | 20.4 | 18.4 | 16.5 |
| 32° | 167.3 | 106.5 | 67.3 | 49.2 | 38.2 | 31.1 | 25.2 | 21.4 | 18.8 | 16.5 | 15.2 |
| 33° | 117.8 | 76.1 | 54.4 | 42.7 | 33.3 | 27.2 | 22.7 | 19.4 | 17.2 | 14.9 | 13.6 |
| 34° | 80.9 | 61.2 | 47.3 | 36.9 | 29.1 | 24.3 | 20.4 | 17.5 | 15.2 | 13.3 | 12.0 |
| 35° | 68.3 | 53.4 | 40.8 | 31.7 | 25.2 | 21.4 | 18.1 | 15.5 | 13.3 | 11.7 | 10.4 |
| 36° | 58.9 | 46.3 | 35.0 | 27.8 | 22.0 | 18.4 | 15.9 | 13.3 | 11.3 | 9.7 | 9.1 |
| 37° | 50.8 | 39.8 | 30.1 | 23.9 | 18.8 | 15.5 | 12.9 | 11.0 | 9.7 | 8.4 | 7.8 |
| 38° | 44.0 | 33.7 | 25.6 | 20.4 | 15.5 | 12.6 | 10.7 | 9.1 | 8.1 | 7.1 | 6.5 |
| 39° | 37.5 | 28.2 | 20.7 | 16.2 | 12.3 | 10.4 | 8.7 | 7.8 | 6.8 | 6.1 | 5.5 |
| 40° | 31.1 | 22.3 | 15.9 | 12.6 | 9.7 | 8.4 | 7.1 | 6.5 | 5.5 | 5.2 | 4.9 |
| 42.5° | 14.6 | 10.7 | 8.4 | 7.1 | 5.8 | 5.2 | 4.5 | 3.9 | 3.6 | 3.2 | 3.2 |
| 45° | 7.4 | 6.1 | 4.5 | 3.9 | 3.2 | 2.9 | 2.6 | 2.3 | 2.3 | 2.3 | 2.3 |
| 47.5° | 3.9 | 2.9 | 2.3 | 1.9 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 50° | 1.9 | 1.3 | 1.3 | 1.3 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 51° | 1.3 | 1.3 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 52° | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 53° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 54° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 55° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |
| 57.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |
| 60° | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |



TEST NUMBER: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| 63° | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |
| 64° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |
| 65° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |
| 66° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 67.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 70° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 75° | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 80° | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 82.5° | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 85° | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 87.5° | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 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: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|-------|------|--------|------|--------|------|
| 0° | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 2.5° | 80.9 | 78.0 | 78.3 | 76.7 | 64.1 | 57.3 | 53.7 | 51.1 |
| 5° | 81.6 | 77.3 | 76.4 | 73.8 | 53.4 | 45.6 | 42.4 | 40.8 |
| 7.5° | 79.3 | 73.8 | 71.8 | 68.3 | 45.3 | 38.2 | 35.6 | 34.3 |
| 10° | 74.1 | 68.0 | 64.7 | 60.5 | 38.8 | 33.0 | 30.4 | 29.5 |
| 11° | 71.5 | 65.1 | 61.8 | 57.6 | 36.6 | 31.1 | 28.8 | 27.8 |
| 12° | 68.6 | 61.8 | 58.9 | 54.4 | 34.3 | 29.1 | 27.2 | 26.2 |
| 13° | 65.4 | 58.6 | 55.7 | 51.5 | 32.0 | 27.5 | 25.9 | 24.9 |
| 14° | 61.5 | 55.3 | 52.4 | 48.5 | 30.1 | 25.9 | 24.6 | 23.9 |
| 15° | 57.9 | 52.1 | 48.9 | 45.0 | 28.5 | 24.6 | 23.6 | 23.0 |
| 17.5° | 48.5 | 43.4 | 40.8 | 37.5 | 23.9 | 21.0 | 21.0 | 20.7 |
| 20° | 39.8 | 35.3 | 33.3 | 30.7 | 20.1 | 18.4 | 18.8 | 18.8 |
| 21° | 36.6 | 32.7 | 30.7 | 28.5 | 19.1 | 17.5 | 18.1 | 18.1 |
| 22° | 33.3 | 29.8 | 28.5 | 26.2 | 17.8 | 16.5 | 17.5 | 17.5 |
| 23° | 30.7 | 27.2 | 26.2 | 24.3 | 16.5 | 15.9 | 16.8 | 16.8 |
| 24° | 28.2 | 25.2 | 23.9 | 22.3 | 15.5 | 14.9 | 16.2 | 16.5 |
| 25° | 25.9 | 23.0 | 22.0 | 20.7 | 14.6 | 14.2 | 15.5 | 15.9 |
| 26° | 23.6 | 21.0 | 20.4 | 19.1 | 13.6 | 13.6 | 14.9 | 15.5 |
| 27° | 21.7 | 19.7 | 18.8 | 17.5 | 12.6 | 12.9 | 14.6 | 14.9 |
| 28° | 20.1 | 18.1 | 17.2 | 16.2 | 11.7 | 12.3 | 13.9 | 14.6 |
| 29° | 18.4 | 16.5 | 15.9 | 14.9 | 11.0 | 11.7 | 13.3 | 14.2 |
| 30° | 16.8 | 15.2 | 14.6 | 13.6 | 10.4 | 11.0 | 12.9 | 13.9 |
| 31° | 15.5 | 13.9 | 13.3 | 12.3 | 9.7 | 10.7 | 12.3 | 13.3 |
| 32° | 13.9 | 12.6 | 12.0 | 11.3 | 9.1 | 10.0 | 12.0 | 12.9 |
| 33° | 12.6 | 11.0 | 10.7 | 10.0 | 8.7 | 9.7 | 11.7 | 12.3 |
| 34° | 11.0 | 9.7 | 9.4 | 9.1 | 8.1 | 9.1 | 11.0 | 12.0 |
| 35° | 9.4 | 8.7 | 8.4 | 8.1 | 7.4 | 8.7 | 10.7 | 11.7 |
| 36° | 8.4 | 7.4 | 7.4 | 7.1 | 7.1 | 8.4 | 10.4 | 11.3 |
| 37° | 7.1 | 6.8 | 6.5 | 6.5 | 6.5 | 7.8 | 9.7 | 11.0 |
| 38° | 6.1 | 5.8 | 5.8 | 5.8 | 6.1 | 7.4 | 9.4 | 10.7 |
| 39° | 5.2 | 5.2 | 5.2 | 5.2 | 5.8 | 7.1 | 9.1 | 10.4 |
| 40° | 4.5 | 4.5 | 4.5 | 4.5 | 5.5 | 6.8 | 8.7 | 10.0 |
| 42.5° | 3.2 | 3.2 | 3.2 | 3.6 | 4.5 | 6.1 | 7.8 | 9.4 |
| 45° | 2.6 | 2.6 | 2.6 | 2.9 | 4.2 | 5.5 | 7.1 | 8.4 |
| 47.5° | 1.9 | 1.9 | 2.3 | 2.6 | 3.6 | 4.9 | 6.5 | 7.8 |
| 50° | 1.6 | 1.9 | 1.9 | 2.3 | 3.2 | 4.5 | 5.5 | 6.8 |
| 51° | 1.6 | 1.6 | 1.9 | 1.9 | 2.9 | 4.2 | 5.2 | 6.5 |
| 52° | 1.6 | 1.6 | 1.9 | 1.9 | 2.9 | 3.9 | 5.2 | 5.8 |
| 53° | 1.6 | 1.6 | 1.9 | 1.9 | 2.9 | 3.9 | 4.9 | 5.5 |
| 54° | 1.6 | 1.6 | 1.9 | 1.9 | 2.6 | 3.6 | 4.5 | 5.2 |
| 55° | 1.6 | 1.6 | 1.9 | 1.9 | 2.6 | 3.6 | 4.5 | 4.5 |
| 57.5° | 1.6 | 1.6 | 1.6 | 1.9 | 2.3 | 3.2 | 3.9 | 3.9 |
| 60° | 1.6 | 1.6 | 1.6 | 1.6 | 2.3 | 2.9 | 3.6 | 2.6 |



TEST NUMBER: P208882

CATALOG NUMBER: LDSQA6A10935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|-------|-----|--------|------|--------|------|
| 63° | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 2.6 | 2.9 | 1.9 |
| 64° | 1.6 | 1.6 | 1.6 | 1.9 | 1.9 | 2.6 | 2.6 | 1.9 |
| 65° | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 2.3 | 2.6 | 1.9 |
| 66° | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 2.3 | 2.3 | 1.9 |
| 67.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 2.3 | 2.3 | 1.6 |
| 70° | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 1.9 | 1.9 | 1.6 |
| 72.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 1.6 | 1.3 |
| 75° | 1.6 | 1.6 | 1.9 | 1.9 | 1.6 | 1.6 | 1.3 | 1.3 |
| 77.5° | 1.6 | 1.6 | 1.9 | 1.9 | 1.6 | 1.6 | 1.3 | 1.0 |
| 80° | 1.6 | 1.6 | 1.9 | 1.9 | 1.6 | 1.3 | 1.0 | 1.0 |
| 82.5° | 1.6 | 1.6 | 1.9 | 1.9 | 1.6 | 1.3 | 1.0 | 0.6 |
| 85° | 1.6 | 1.6 | 1.9 | 1.9 | 1.6 | 1.3 | 0.6 | 0.6 |
| 87.5° | 1.6 | 1.6 | 1.9 | 1.9 | 1.6 | 1.0 | 0.6 | 0.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180° - - 45°-225° - - - - 90°-270°







| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 |
| 62° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 | 1.0 |





| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61° | 1.6 | 1.6 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 62° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |





| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61° | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |
| 62° | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 |





| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61° | 1.6 | 1.6 | 1.6 | 1.6 | 2.3 | 2.9 | 3.2 | 2.3 |
| 62° | 1.6 | 1.6 | 1.6 | 1.6 | 2.3 | 2.9 | 2.9 | 2.3 |



(END OF REPORT)