

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: P179859

Luminaire Tested: **LDA6A65940D010TE LARH40FL 6LLWW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26685)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65940D010TE LARH40FL 6LLWW1
Description: PORTFOLIO 6" Lensed Wall Wash, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4550.4 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 2.12 / 1.05 / 1.48
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

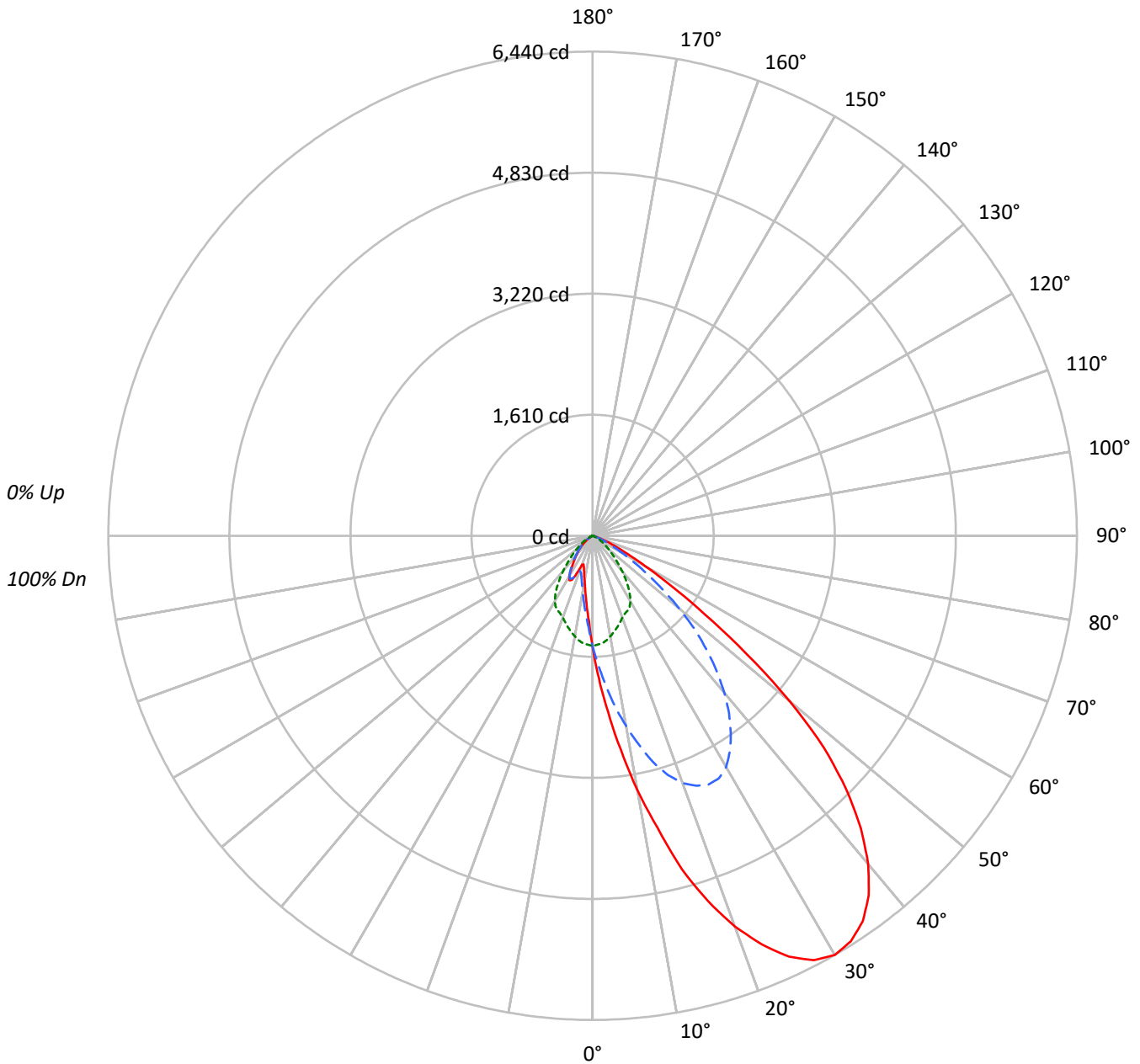
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179859

CATALOG NUMBER: LDA6A65940D010TE LARH40FL 6LLWW1

Luminous Intensity Polar Plot





TEST NUMBER: P179859

CATALOG NUMBER: LDA6A65940D010TE LARH40FL 6LLWW1

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 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97 | 98 | 96 | 94 | 95 | 93 | 92 | 90 | | | | | | | | | | | | | | | | | | | |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 | | | | | | | | | | | | | | | | | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 76 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | | | | | | | | | | | | | | | |
| 4 | 89 | 79 | 72 | 67 | 87 | 78 | 71 | 66 | 76 | 70 | 65 | 74 | 69 | 64 | 72 | 67 | 64 | 62 | | | | | | | | | | | | | | | | | | | |
| 5 | 83 | 72 | 64 | 59 | 81 | 71 | 64 | 58 | 69 | 63 | 58 | 67 | 61 | 57 | 65 | 60 | 57 | 55 | | | | | | | | | | | | | | | | | | | |
| 6 | 77 | 65 | 58 | 52 | 75 | 64 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | | | | | | | | | | | | | | | | | |
| 7 | 72 | 60 | 52 | 46 | 70 | 59 | 51 | 46 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 49 | 45 | 44 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 65 | 54 | 47 | 41 | 53 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | | | | | | | | | | | | | | | | | | |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | | | | | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|-------|-------|
| 0° | 80525 | 80525 | 80525 |
| 5° | 129408 | 78940 | 50352 |
| 10° | 191357 | 75617 | 33800 |
| 15° | 260762 | 71527 | 25108 |
| 20° | 322518 | 67498 | 23796 |
| 25° | 373649 | 66451 | 39063 |
| 30° | 407670 | 63662 | 39095 |
| 35° | 418992 | 55017 | 30584 |
| 40° | 408022 | 43303 | 23816 |
| 45° | 369961 | 32027 | 18762 |
| 50° | 291487 | 23667 | 12725 |
| 55° | 173805 | 16850 | 7283 |
| 60° | 88874 | 11205 | 2741 |
| 65° | 42495 | 5954 | 1219 |
| 70° | 20067 | 2677 | 1170 |
| 75° | 8176 | 1758 | 1334 |
| 80° | 3946 | 1989 | 1326 |
| 85° | 1950 | 3271 | 1950 |



TEST NUMBER: P179859

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 150.8 | 3.3 |
| 10°-20° | 532.7 | 11.7 |
| 20°-30° | 1002.8 | 22.0 |
| 30°-40° | 1221.1 | 26.8 |
| 40°-50° | 1016.5 | 22.3 |
| 50°-60° | 486.8 | 10.7 |
| 60°-70° | 116.9 | 2.6 |
| 70°-80° | 18.4 | 0.4 |
| 80°-90° | 4.3 | 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° | 1686.3 | 37.1 |
| 0°-40° | 2907.4 | 63.9 |
| 0°-60° | 4410.7 | 96.9 |
| 0°-90° | 4550.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4550.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1469 | 1469 | 1469 | 1469 | 1469 | |
| 5° | 2352 | 1995 | 1434 | 1043 | 915 | 258 |
| 15° | 4595 | 3122 | 1260 | 572 | 442 | 1317 |
| 25° | 6177 | 3648 | 1099 | 623 | 646 | 2837 |
| 35° | 6261 | 3204 | 822 | 479 | 457 | 3879 |
| 45° | 4772 | 2142 | 413 | 255 | 242 | 3613 |
| 55° | 1818 | 884 | 176 | 99 | 76 | 1713 |
| 65° | 328 | 191 | 46 | 15 | 9 | 375 |
| 75° | 39 | 20 | 8 | 7 | 6 | 53 |
| 85° | 3 | 3 | 5 | 4 | 3 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P179859

CATALOG NUMBER: LDA6A65940D010TE LARH40FL 6LLWW1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 |
| 2.5° | 1899.8 | 1833.1 | 1853.9 | 1849.7 | 1845.6 | 1823.7 | 1808.0 | 1794.5 | 1760.0 | 1760.0 | 1716.2 |
| 5° | 2351.6 | 2273.3 | 2293.1 | 2278.5 | 2259.8 | 2226.4 | 2196.1 | 2161.7 | 2098.1 | 2070.9 | 1994.8 |
| 7.5° | 2868.0 | 2779.3 | 2797.1 | 2767.8 | 2728.2 | 2683.3 | 2634.3 | 2569.6 | 2468.4 | 2406.9 | 2289.0 |
| 10° | 3437.6 | 3311.4 | 3321.8 | 3278.0 | 3212.3 | 3151.8 | 3104.8 | 2981.7 | 2837.7 | 2735.5 | 2570.7 |
| 12.5° | 3977.0 | 3866.4 | 3869.6 | 3808.0 | 3713.1 | 3639.0 | 3568.0 | 3405.3 | 3213.3 | 3067.3 | 2850.3 |
| 15° | 4594.6 | 4459.0 | 4426.7 | 4343.2 | 4219.1 | 4128.3 | 4031.3 | 3825.7 | 3584.7 | 3391.7 | 3121.5 |
| 17.5° | 5092.3 | 4952.5 | 4931.6 | 4853.4 | 4676.0 | 4566.5 | 4444.4 | 4212.8 | 3907.1 | 3667.2 | 3335.4 |
| 20° | 5528.4 | 5389.6 | 5354.2 | 5253.0 | 5049.5 | 4924.3 | 4777.2 | 4503.9 | 4170.0 | 3874.8 | 3500.2 |
| 22.5° | 5885.2 | 5732.9 | 5682.8 | 5557.6 | 5331.2 | 5190.4 | 5010.9 | 4712.5 | 4340.1 | 4010.4 | 3598.3 |
| 25° | 6177.3 | 6004.1 | 5940.5 | 5798.6 | 5544.0 | 5388.6 | 5191.4 | 4857.5 | 4451.7 | 4087.6 | 3648.4 |
| 27.5° | 6364.1 | 6190.9 | 6121.0 | 5958.2 | 5672.4 | 5505.4 | 5290.5 | 4929.5 | 4491.4 | 4098.0 | 3637.9 |
| 30° | 6440.2 | 6260.8 | 6181.5 | 5996.8 | 5689.0 | 5512.7 | 5288.4 | 4898.2 | 4440.2 | 4022.9 | 3550.3 |
| 32.5° | 6393.3 | 6217.0 | 6128.3 | 5928.0 | 5607.7 | 5417.8 | 5193.5 | 4777.2 | 4305.6 | 3873.7 | 3398.0 |
| 35° | 6260.8 | 6086.5 | 5994.7 | 5780.9 | 5447.0 | 5248.8 | 5025.5 | 4594.6 | 4117.9 | 3676.5 | 3203.9 |
| 37.5° | 6032.3 | 5867.4 | 5762.1 | 5550.3 | 5214.4 | 5012.0 | 4790.8 | 4355.7 | 3868.5 | 3453.3 | 2979.6 |
| 40° | 5701.6 | 5545.1 | 5440.7 | 5214.4 | 4897.2 | 4692.7 | 4484.1 | 4042.7 | 3583.7 | 3178.9 | 2721.9 |
| 42.5° | 5280.1 | 5136.1 | 5035.9 | 4815.8 | 4513.3 | 4311.9 | 4121.0 | 3697.4 | 3260.3 | 2875.3 | 2443.4 |
| 45° | 4772.0 | 4646.8 | 4548.7 | 4366.2 | 4067.8 | 3876.9 | 3704.7 | 3320.8 | 2896.2 | 2542.5 | 2141.9 |
| 47.5° | 4174.2 | 4070.9 | 3976.0 | 3810.1 | 3540.9 | 3360.4 | 3218.5 | 2867.0 | 2507.0 | 2174.2 | 1833.1 |
| 50° | 3417.8 | 3343.7 | 3269.7 | 3097.5 | 2907.6 | 2750.1 | 2646.8 | 2333.8 | 2042.8 | 1781.9 | 1499.2 |
| 52.5° | 2576.9 | 2532.1 | 2479.9 | 2356.8 | 2229.5 | 2137.7 | 2045.9 | 1808.0 | 1590.0 | 1395.9 | 1175.8 |
| 55° | 1818.5 | 1795.5 | 1754.8 | 1704.7 | 1607.7 | 1545.1 | 1465.8 | 1344.8 | 1175.8 | 1045.4 | 883.7 |
| 57.5° | 1229.0 | 1222.7 | 1194.6 | 1164.3 | 1111.1 | 1090.2 | 1023.5 | 945.2 | 850.3 | 753.3 | 638.5 |
| 60° | 810.6 | 797.1 | 790.8 | 774.1 | 733.4 | 716.7 | 692.7 | 642.7 | 584.2 | 516.4 | 445.5 |
| 62.5° | 521.6 | 514.3 | 509.1 | 501.8 | 476.8 | 476.8 | 452.8 | 429.8 | 386.0 | 344.3 | 298.4 |
| 65° | 327.6 | 321.3 | 320.3 | 315.1 | 305.7 | 301.5 | 283.8 | 267.1 | 246.2 | 223.3 | 190.9 |
| 67.5° | 210.7 | 201.4 | 196.1 | 193.0 | 186.7 | 179.4 | 173.2 | 165.9 | 149.2 | 135.6 | 114.8 |
| 70° | 125.2 | 116.8 | 115.8 | 116.8 | 109.5 | 108.5 | 102.2 | 97.0 | 85.5 | 77.2 | 64.7 |
| 72.5° | 70.9 | 66.8 | 65.7 | 65.7 | 61.6 | 60.5 | 56.3 | 53.2 | 46.9 | 40.7 | 35.5 |
| 75° | 38.6 | 35.5 | 35.5 | 35.5 | 33.4 | 32.3 | 30.3 | 29.2 | 25.0 | 23.0 | 19.8 |
| 77.5° | 21.9 | 20.9 | 20.9 | 19.8 | 18.8 | 17.7 | 16.7 | 16.7 | 14.6 | 13.6 | 12.5 |
| 80° | 12.5 | 12.5 | 12.5 | 12.5 | 11.5 | 11.5 | 10.4 | 10.4 | 9.4 | 9.4 | 8.3 |
| 82.5° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 6.3 | 6.3 | 6.3 | 6.3 | 5.2 |
| 85° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 87.5° | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.1 | 2.1 | 2.1 | 3.1 |
| 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: P179859

CATALOG NUMBER: LDA6A65940D010TE LARH40FL 6LLWW1

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 |
| 2.5° | 1696.4 | 1665.1 | 1663.0 | 1617.1 | 1587.9 | 1563.9 | 1546.2 | 1524.2 | 1475.2 | 1448.1 | 1428.3 |
| 5° | 1941.6 | 1876.9 | 1843.5 | 1760.0 | 1714.1 | 1673.4 | 1623.4 | 1571.2 | 1490.9 | 1434.5 | 1388.6 |
| 7.5° | 2196.1 | 2088.7 | 2017.7 | 1893.6 | 1831.0 | 1767.3 | 1682.8 | 1598.3 | 1488.8 | 1404.3 | 1334.4 |
| 10° | 2432.9 | 2280.6 | 2168.0 | 2001.0 | 1919.6 | 1836.2 | 1717.3 | 1603.5 | 1466.9 | 1358.4 | 1266.6 |
| 12.5° | 2665.6 | 2465.3 | 2309.8 | 2098.1 | 1998.9 | 1895.7 | 1743.3 | 1600.4 | 1439.7 | 1309.3 | 1201.9 |
| 15° | 2887.8 | 2636.4 | 2438.2 | 2182.6 | 2066.8 | 1942.6 | 1760.0 | 1591.0 | 1408.4 | 1260.3 | 1138.2 |
| 17.5° | 3065.2 | 2766.8 | 2528.9 | 2234.7 | 2104.3 | 1963.5 | 1753.8 | 1563.9 | 1365.7 | 1208.1 | 1074.6 |
| 20° | 3187.2 | 2850.3 | 2579.0 | 2255.6 | 2112.7 | 1961.4 | 1729.8 | 1526.3 | 1320.8 | 1157.0 | 1021.4 |
| 22.5° | 3253.0 | 2887.8 | 2592.6 | 2249.3 | 2100.1 | 1941.6 | 1700.6 | 1491.9 | 1285.3 | 1121.5 | 992.2 |
| 25° | 3277.0 | 2890.9 | 2578.0 | 2222.2 | 2072.0 | 1910.3 | 1666.1 | 1459.6 | 1257.2 | 1098.6 | 977.6 |
| 27.5° | 3248.8 | 2847.1 | 2524.8 | 2165.9 | 2013.5 | 1853.9 | 1610.8 | 1413.7 | 1215.4 | 1065.2 | 951.5 |
| 30° | 3152.8 | 2744.9 | 2420.4 | 2065.7 | 1916.5 | 1763.2 | 1523.2 | 1329.1 | 1147.6 | 1005.7 | 897.2 |
| 32.5° | 3000.5 | 2594.7 | 2273.3 | 1928.0 | 1784.0 | 1636.9 | 1407.4 | 1222.7 | 1053.7 | 920.2 | 823.2 |
| 35° | 2811.7 | 2415.2 | 2102.2 | 1767.3 | 1631.7 | 1492.9 | 1274.9 | 1100.7 | 942.1 | 822.1 | 727.2 |
| 37.5° | 2597.8 | 2215.9 | 1913.4 | 1605.6 | 1467.9 | 1337.5 | 1125.7 | 976.5 | 824.2 | 714.7 | 628.1 |
| 40° | 2357.8 | 1987.5 | 1712.0 | 1412.6 | 1291.6 | 1172.7 | 976.5 | 840.9 | 702.1 | 605.1 | 530.0 |
| 42.5° | 2101.2 | 1755.9 | 1501.3 | 1232.1 | 1111.1 | 1002.6 | 826.3 | 704.2 | 581.1 | 500.8 | 441.3 |
| 45° | 1828.9 | 1524.2 | 1280.1 | 1039.1 | 929.6 | 835.7 | 675.0 | 564.4 | 474.7 | 413.1 | 368.3 |
| 47.5° | 1544.1 | 1274.9 | 1057.9 | 848.2 | 751.2 | 669.8 | 540.4 | 455.9 | 385.0 | 340.1 | 305.7 |
| 50° | 1257.2 | 1017.2 | 845.1 | 666.7 | 583.2 | 518.5 | 422.5 | 364.1 | 311.9 | 277.5 | 251.4 |
| 52.5° | 982.8 | 786.6 | 646.8 | 502.9 | 439.2 | 394.4 | 329.7 | 289.0 | 249.3 | 223.3 | 203.4 |
| 55° | 726.1 | 592.6 | 472.6 | 365.2 | 327.6 | 299.4 | 253.5 | 224.3 | 196.1 | 176.3 | 161.7 |
| 57.5° | 524.8 | 424.6 | 337.0 | 268.1 | 243.1 | 224.3 | 190.9 | 171.1 | 151.3 | 136.7 | 125.2 |
| 60° | 368.3 | 293.2 | 237.9 | 196.1 | 178.4 | 165.9 | 141.9 | 129.4 | 114.8 | 102.2 | 90.8 |
| 62.5° | 242.0 | 197.2 | 165.9 | 138.8 | 128.3 | 118.9 | 102.2 | 92.9 | 80.3 | 72.0 | 61.6 |
| 65° | 157.5 | 129.4 | 110.6 | 92.9 | 84.5 | 80.3 | 68.9 | 61.6 | 53.2 | 45.9 | 39.6 |
| 67.5° | 96.0 | 80.3 | 69.9 | 58.4 | 54.3 | 50.1 | 42.8 | 37.6 | 32.3 | 27.1 | 24.0 |
| 70° | 53.2 | 46.9 | 40.7 | 34.4 | 31.3 | 29.2 | 25.0 | 23.0 | 18.8 | 16.7 | 13.6 |
| 72.5° | 31.3 | 27.1 | 24.0 | 19.8 | 18.8 | 17.7 | 14.6 | 13.6 | 11.5 | 10.4 | 9.4 |
| 75° | 18.8 | 15.6 | 14.6 | 12.5 | 11.5 | 11.5 | 10.4 | 9.4 | 8.3 | 8.3 | 7.3 |
| 77.5° | 11.5 | 10.4 | 9.4 | 8.3 | 8.3 | 8.3 | 7.3 | 7.3 | 7.3 | 6.3 | 6.3 |
| 80° | 7.3 | 7.3 | 7.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 82.5° | 5.2 | 5.2 | 5.2 | 4.2 | 5.2 | 4.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 85° | 3.1 | 3.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 87.5° | 3.1 | 3.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 5.2 | 5.2 | 5.2 | 4.2 |
| 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: P179859

CATALOG NUMBER: LDA6A65940D010TE LARH40FL 6LLWW1

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 |
| 2.5° | 1405.3 | 1366.7 | 1338.5 | 1317.7 | 1325.0 | 1288.5 | 1277.0 | 1237.3 | 1222.7 | 1222.7 | 1201.9 |
| 5° | 1341.7 | 1280.1 | 1232.1 | 1201.9 | 1199.8 | 1147.6 | 1120.5 | 1070.4 | 1043.3 | 1023.5 | 1003.6 |
| 7.5° | 1265.5 | 1186.2 | 1122.6 | 1086.1 | 1075.6 | 1014.1 | 977.6 | 927.5 | 886.8 | 860.7 | 836.7 |
| 10° | 1184.1 | 1089.2 | 1017.2 | 975.5 | 959.8 | 893.1 | 845.1 | 799.2 | 755.3 | 728.2 | 703.2 |
| 12.5° | 1105.9 | 1002.6 | 923.3 | 880.5 | 860.7 | 791.9 | 742.8 | 694.8 | 653.1 | 624.9 | 599.9 |
| 15° | 1033.9 | 924.4 | 840.9 | 798.1 | 776.2 | 708.4 | 659.4 | 612.4 | 571.7 | 545.6 | 522.7 |
| 17.5° | 966.1 | 854.5 | 771.0 | 729.3 | 705.3 | 642.7 | 595.7 | 549.8 | 513.3 | 489.3 | 468.4 |
| 20° | 915.0 | 804.4 | 727.2 | 690.7 | 666.7 | 608.2 | 567.5 | 527.9 | 497.6 | 479.9 | 460.1 |
| 22.5° | 893.1 | 790.8 | 725.1 | 691.7 | 675.0 | 628.1 | 599.9 | 571.7 | 551.9 | 548.8 | 536.2 |
| 25° | 889.9 | 800.2 | 746.0 | 717.8 | 707.3 | 671.9 | 655.2 | 637.4 | 622.8 | 627.0 | 629.1 |
| 27.5° | 876.4 | 792.9 | 748.0 | 724.0 | 715.7 | 686.5 | 674.0 | 657.3 | 646.8 | 652.1 | 654.1 |
| 30° | 829.4 | 752.2 | 710.5 | 690.7 | 682.3 | 653.1 | 642.7 | 623.9 | 615.5 | 616.6 | 615.5 |
| 32.5° | 756.4 | 683.4 | 644.8 | 627.0 | 617.6 | 591.5 | 580.1 | 563.4 | 550.9 | 549.8 | 547.7 |
| 35° | 667.7 | 602.0 | 566.5 | 550.9 | 541.5 | 519.6 | 509.1 | 493.5 | 478.9 | 477.8 | 475.7 |
| 37.5° | 576.9 | 518.5 | 488.3 | 474.7 | 466.3 | 448.6 | 436.1 | 425.7 | 416.3 | 412.1 | 411.1 |
| 40° | 489.3 | 437.1 | 415.2 | 404.8 | 398.5 | 379.8 | 373.5 | 363.1 | 355.8 | 351.6 | 350.5 |
| 42.5° | 406.9 | 370.4 | 352.6 | 343.2 | 338.0 | 324.5 | 317.2 | 308.8 | 301.5 | 297.3 | 296.3 |
| 45° | 345.3 | 315.1 | 298.4 | 291.1 | 286.9 | 274.4 | 269.2 | 260.8 | 254.6 | 251.4 | 250.4 |
| 47.5° | 287.9 | 264.0 | 252.5 | 244.1 | 243.1 | 232.7 | 225.4 | 219.1 | 212.8 | 209.7 | 208.7 |
| 50° | 235.8 | 216.0 | 206.6 | 201.4 | 200.3 | 189.9 | 184.7 | 179.4 | 174.2 | 171.1 | 169.0 |
| 52.5° | 194.1 | 175.3 | 169.0 | 161.7 | 160.7 | 151.3 | 147.1 | 141.9 | 136.7 | 132.5 | 129.4 |
| 55° | 153.4 | 138.8 | 132.5 | 126.2 | 125.2 | 114.8 | 110.6 | 104.3 | 99.1 | 94.9 | 90.8 |
| 57.5° | 116.8 | 105.4 | 99.1 | 92.9 | 91.8 | 84.5 | 77.2 | 72.0 | 66.8 | 61.6 | 58.4 |
| 60° | 85.5 | 74.1 | 66.8 | 63.6 | 60.5 | 53.2 | 48.0 | 43.8 | 39.6 | 36.5 | 33.4 |
| 62.5° | 56.3 | 48.0 | 42.8 | 38.6 | 36.5 | 31.3 | 28.2 | 25.0 | 23.0 | 21.9 | 20.9 |
| 65° | 34.4 | 29.2 | 25.0 | 23.0 | 23.0 | 19.8 | 17.7 | 15.6 | 14.6 | 14.6 | 13.6 |
| 67.5° | 20.9 | 17.7 | 15.6 | 14.6 | 13.6 | 12.5 | 11.5 | 11.5 | 10.4 | 10.4 | 9.4 |
| 70° | 12.5 | 11.5 | 10.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 8.3 | 8.3 | 8.3 |
| 72.5° | 9.4 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 7.3 | 7.3 | 7.3 |
| 75° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 6.3 |
| 77.5° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 80° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 5.2 | 5.2 | 5.2 |
| 82.5° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 85° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 87.5° | 5.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 3.1 | 3.1 | 3.1 | 3.1 | 2.1 |
| 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: P179859

CATALOG NUMBER: LDA6A65940D010TE LARH40FL 6LLWW1

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 | 1468.9 |
| 2.5° | 1191.4 | 1199.8 | 1187.3 | 1178.9 | 1170.6 | 1176.8 | 1147.6 | 1135.1 |
| 5° | 984.9 | 975.5 | 969.2 | 961.9 | 949.4 | 951.5 | 926.4 | 915.0 |
| 7.5° | 814.8 | 808.5 | 792.9 | 784.6 | 772.0 | 772.0 | 749.1 | 739.7 |
| 10° | 680.2 | 670.8 | 656.2 | 648.9 | 637.4 | 628.1 | 616.6 | 607.2 |
| 12.5° | 578.0 | 567.5 | 555.0 | 548.8 | 537.3 | 530.0 | 518.5 | 520.6 |
| 15° | 501.8 | 491.4 | 479.9 | 473.7 | 464.3 | 457.0 | 447.6 | 442.4 |
| 17.5° | 448.6 | 439.2 | 429.8 | 423.6 | 416.3 | 410.0 | 401.7 | 400.6 |
| 20° | 444.4 | 437.1 | 431.9 | 427.7 | 421.5 | 417.3 | 413.1 | 407.9 |
| 22.5° | 532.1 | 533.1 | 534.2 | 534.2 | 535.2 | 535.2 | 536.2 | 525.8 |
| 25° | 628.1 | 639.5 | 639.5 | 642.7 | 652.1 | 652.1 | 650.0 | 645.8 |
| 27.5° | 653.1 | 664.6 | 661.4 | 663.5 | 672.9 | 675.0 | 667.7 | 668.7 |
| 30° | 611.4 | 621.8 | 615.5 | 616.6 | 622.8 | 622.8 | 613.5 | 617.6 |
| 32.5° | 541.5 | 547.7 | 539.4 | 539.4 | 544.6 | 543.6 | 537.3 | 537.3 |
| 35° | 467.4 | 470.5 | 463.2 | 466.3 | 466.3 | 463.2 | 457.0 | 457.0 |
| 37.5° | 403.8 | 404.8 | 397.5 | 398.5 | 398.5 | 395.4 | 389.1 | 389.1 |
| 40° | 343.2 | 346.4 | 340.1 | 342.2 | 340.1 | 337.0 | 333.9 | 332.8 |
| 42.5° | 290.0 | 292.1 | 286.9 | 290.0 | 289.0 | 289.0 | 287.9 | 289.0 |
| 45° | 244.1 | 246.2 | 242.0 | 244.1 | 245.2 | 244.1 | 241.0 | 242.0 |
| 47.5° | 202.4 | 204.5 | 204.5 | 202.4 | 201.4 | 196.1 | 193.0 | 193.0 |
| 50° | 163.8 | 162.8 | 161.7 | 158.6 | 155.4 | 152.3 | 149.2 | 149.2 |
| 52.5° | 123.1 | 121.0 | 120.0 | 116.8 | 115.8 | 112.7 | 112.7 | 109.5 |
| 55° | 84.5 | 83.5 | 83.5 | 80.3 | 80.3 | 77.2 | 76.2 | 76.2 |
| 57.5° | 53.2 | 51.1 | 52.2 | 50.1 | 49.0 | 45.9 | 45.9 | 44.9 |
| 60° | 30.3 | 29.2 | 29.2 | 28.2 | 27.1 | 25.0 | 25.0 | 25.0 |
| 62.5° | 19.8 | 18.8 | 18.8 | 17.7 | 17.7 | 16.7 | 16.7 | 15.6 |
| 65° | 12.5 | 11.5 | 11.5 | 10.4 | 10.4 | 9.4 | 9.4 | 9.4 |
| 67.5° | 9.4 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 7.3 | 7.3 |
| 70° | 8.3 | 8.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| 72.5° | 7.3 | 7.3 | 7.3 | 7.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 75° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| 77.5° | 6.3 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 80° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 4.2 | 4.2 |
| 82.5° | 5.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 85° | 4.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 87.5° | 2.1 | 2.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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













(END OF REPORT)