

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: P179942

Luminaire Tested: **LDA6A55835D010TE LARH40FL 6LAL1LI 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26691)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55835D010TE LARH40FL 6LAL1LI 30°
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood, 30° Tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5375.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 2.62 / 0.52 / 1.36
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

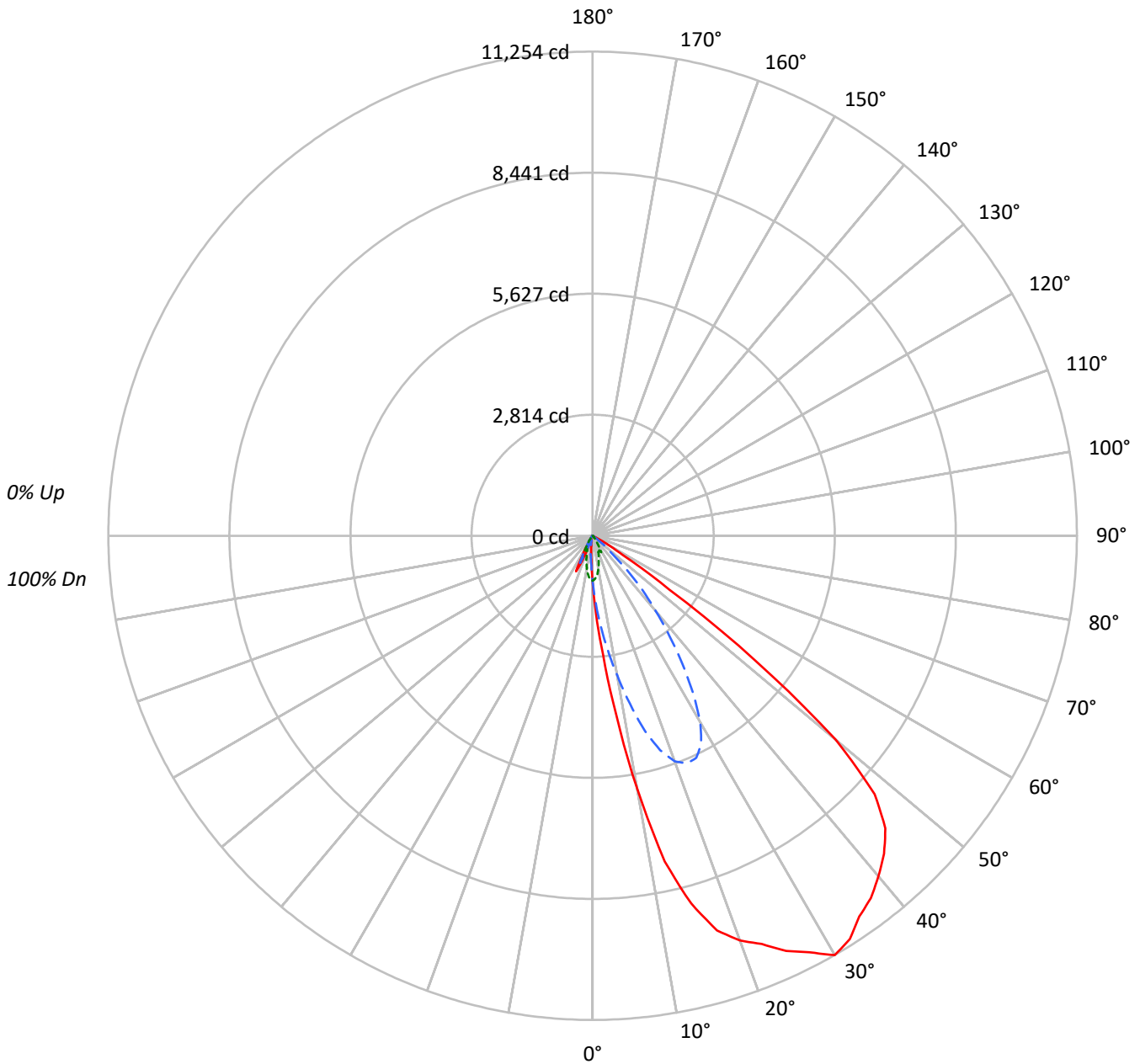
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179942

CATALOG NUMBER: LDA6A55835D010TE LARH40FL 6LAL1LI 30°

Luminous Intensity Polar Plot





TEST NUMBER: P179942

CATALOG NUMBER: LDA6A55835D010TE LARH40FL 6LAL1LI 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 | 103 | 110 | 107 | 104 | 102 | 103 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 93 | 91 | | | | | | | | | | | | | | | | | | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 85 | 83 | 81 | | | | | | | | | | | | | | | | | | | |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 77 | 74 | 73 | | | | | | | | | | | | | | | | | | | |
| 4 | 91 | 82 | 75 | 70 | 89 | 80 | 74 | 69 | 78 | 73 | 68 | 76 | 71 | 67 | 74 | 70 | 67 | 65 | | | | | | | | | | | | | | | | | | | |
| 5 | 85 | 74 | 67 | 62 | 83 | 73 | 67 | 61 | 71 | 65 | 61 | 70 | 64 | 60 | 68 | 63 | 60 | 58 | | | | | | | | | | | | | | | | | | | |
| 6 | 79 | 68 | 60 | 55 | 77 | 67 | 60 | 55 | 65 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 54 | 52 | | | | | | | | | | | | | | | | | | | |
| 7 | 74 | 62 | 55 | 49 | 72 | 61 | 54 | 49 | 60 | 54 | 49 | 59 | 53 | 49 | 57 | 52 | 48 | 47 | | | | | | | | | | | | | | | | | | | |
| 8 | 69 | 57 | 50 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 42 | | | | | | | | | | | | | | | | | | | |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | | | | | | | | | | | | | | | | | | | |
| 10 | 60 | 48 | 41 | 37 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|-------|-------|
| 0° | 57402 | 57402 | 57402 |
| 5° | 152333 | 53219 | 20361 |
| 10° | 332514 | 43035 | 6068 |
| 15° | 501910 | 31442 | 5278 |
| 20° | 583833 | 21585 | 8284 |
| 25° | 643870 | 23288 | 55171 |
| 30° | 712375 | 17534 | 17155 |
| 35° | 722950 | 8968 | 6425 |
| 40° | 739579 | 3650 | 3077 |
| 45° | 745783 | 2248 | 1861 |
| 50° | 628252 | 1535 | 1194 |
| 55° | 207505 | 1051 | 669 |
| 60° | 40786 | 987 | 439 |
| 65° | 4799 | 1297 | 519 |
| 70° | 1282 | 1443 | 641 |
| 75° | 212 | 1906 | 1059 |
| 80° | 0 | 3157 | 1578 |
| 85° | 0 | 6290 | 2516 |



TEST NUMBER: P179942

CATALOG NUMBER: LDA6A55835D010TE LARH40FL 6LAL1LI 30°

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 139.3 | 2.6 |
| 10°-20° | 703.6 | 13.1 |
| 20°-30° | 1388.8 | 25.8 |
| 30°-40° | 1566.6 | 29.1 |
| 40°-50° | 1243.7 | 23.1 |
| 50°-60° | 304.1 | 5.7 |
| 60°-70° | 16.2 | 0.3 |
| 70°-80° | 6.9 | 0.1 |
| 80°-90° | 5.7 | 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° | 2231.8 | 41.5 |
| 0°-40° | 3798.4 | 70.7 |
| 0°-60° | 5346.1 | 99.5 |
| 0°-90° | 5375.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5375.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-------|------|------|------|------|------|
| 0° | 1047 | 1047 | 1047 | 1047 | 1047 | |
| 5° | 2768 | 2074 | 967 | 486 | 370 | 366 |
| 15° | 8844 | 4700 | 554 | 109 | 93 | 2481 |
| 25° | 10645 | 5697 | 385 | 697 | 912 | 4930 |
| 35° | 10803 | 3626 | 134 | 106 | 96 | 6794 |
| 45° | 9620 | 1130 | 29 | 30 | 24 | 7210 |
| 55° | 2171 | 49 | 11 | 11 | 7 | 2547 |
| 65° | 37 | 9 | 10 | 8 | 4 | 90 |
| 75° | 1 | 5 | 9 | 8 | 5 | 3 |
| 85° | 0 | 5 | 10 | 7 | 4 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P179942

CATALOG NUMBER: LDA6A55835D010TE LARH40FL 6LAL1LI 30°

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0° | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 |
| 2.5° | 1817.1 | 1782.1 | 1798.1 | 1773.1 | 1702.1 | 1680.1 | 1698.1 | 1671.1 | 1590.1 | 1559.1 | 1527.1 |
| 5° | 2768.2 | 2737.2 | 2747.2 | 2690.2 | 2557.2 | 2511.2 | 2508.2 | 2426.2 | 2262.2 | 2170.1 | 2074.1 |
| 7.5° | 4197.3 | 4154.3 | 4142.3 | 4005.3 | 3749.3 | 3653.2 | 3606.2 | 3404.2 | 3095.2 | 2876.2 | 2661.2 |
| 10° | 5973.4 | 6015.4 | 5972.4 | 5750.4 | 5348.4 | 5168.3 | 5054.3 | 4672.3 | 4115.3 | 3698.2 | 3296.2 |
| 12.5° | 7754.5 | 7780.5 | 7699.5 | 7423.5 | 6912.5 | 6696.4 | 6528.4 | 6039.4 | 5305.4 | 4597.3 | 3997.3 |
| 15° | 8843.6 | 8966.6 | 8890.6 | 8697.6 | 8301.6 | 8039.5 | 7888.5 | 7284.5 | 6360.4 | 5582.4 | 4700.3 |
| 17.5° | 9619.6 | 9733.7 | 9670.6 | 9512.6 | 9065.6 | 8854.6 | 8756.6 | 8259.6 | 7253.5 | 6264.4 | 5226.4 |
| 20° | 10007.7 | 10146.7 | 10089.7 | 9910.7 | 9582.6 | 9406.6 | 9287.6 | 8802.6 | 7895.5 | 6771.5 | 5577.4 |
| 22.5° | 10270.7 | 10424.7 | 10362.7 | 10199.7 | 9865.7 | 9660.6 | 9604.6 | 9145.6 | 8231.6 | 7075.5 | 5726.4 |
| 25° | 10644.7 | 10773.7 | 10598.7 | 10397.7 | 10067.7 | 9851.7 | 9817.7 | 9348.6 | 8392.6 | 7190.5 | 5697.4 |
| 27.5° | 10912.7 | 11065.7 | 10768.7 | 10564.7 | 10187.7 | 9960.7 | 9916.7 | 9475.6 | 8407.6 | 7099.5 | 5462.4 |
| 30° | 11253.8 | 11154.7 | 10893.7 | 10597.7 | 10195.7 | 9953.7 | 9897.7 | 9401.6 | 8257.6 | 6764.5 | 5002.3 |
| 32.5° | 11118.7 | 11094.7 | 10833.7 | 10485.7 | 10110.7 | 9866.7 | 9791.7 | 9173.6 | 7845.5 | 6186.4 | 4351.3 |
| 35° | 10802.7 | 10878.7 | 10660.7 | 10444.7 | 9978.7 | 9724.7 | 9620.6 | 8837.6 | 7224.5 | 5442.4 | 3626.2 |
| 37.5° | 10617.7 | 10665.7 | 10527.7 | 10263.7 | 9801.7 | 9467.6 | 9270.6 | 8272.6 | 6411.4 | 4504.3 | 2927.2 |
| 40° | 10334.7 | 10456.7 | 10323.7 | 10020.7 | 9487.6 | 9029.6 | 8686.6 | 7251.5 | 5340.4 | 3551.2 | 2289.2 |
| 42.5° | 10024.7 | 10133.7 | 10006.7 | 9643.6 | 8890.6 | 8276.6 | 7706.5 | 6051.4 | 4181.3 | 2713.2 | 1717.1 |
| 45° | 9619.6 | 9717.7 | 9489.6 | 8924.6 | 7858.5 | 7011.5 | 6442.4 | 4752.3 | 3153.2 | 1993.1 | 1130.1 |
| 47.5° | 8889.6 | 8863.6 | 8540.6 | 7662.5 | 6349.4 | 5590.4 | 4928.3 | 3404.2 | 2096.1 | 1129.1 | 562.0 |
| 50° | 7366.5 | 7123.5 | 6648.4 | 5629.4 | 4261.3 | 3441.2 | 2989.2 | 1757.1 | 951.1 | 547.0 | 353.0 |
| 52.5° | 4771.3 | 4500.3 | 4065.3 | 3124.2 | 2046.1 | 1642.1 | 1317.1 | 794.1 | 496.0 | 309.0 | 139.0 |
| 55° | 2171.1 | 1979.1 | 1701.1 | 1262.1 | 878.1 | 730.0 | 618.0 | 402.0 | 266.0 | 115.0 | 49.0 |
| 57.5° | 827.1 | 763.1 | 678.0 | 541.0 | 406.0 | 351.0 | 291.0 | 193.0 | 83.0 | 43.0 | 29.0 |
| 60° | 372.0 | 345.0 | 317.0 | 248.0 | 174.0 | 125.0 | 95.0 | 52.0 | 35.0 | 25.0 | 19.0 |
| 62.5° | 127.0 | 106.0 | 88.0 | 63.0 | 47.0 | 41.0 | 36.0 | 29.0 | 21.0 | 17.0 | 13.0 |
| 65° | 37.0 | 36.0 | 34.0 | 30.0 | 24.0 | 22.0 | 21.0 | 17.0 | 13.0 | 11.0 | 9.0 |
| 67.5° | 18.0 | 17.0 | 16.0 | 15.0 | 12.0 | 11.0 | 11.0 | 10.0 | 8.0 | 7.0 | 6.0 |
| 70° | 8.0 | 8.0 | 7.0 | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 72.5° | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 |
| 75° | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 |
| 77.5° | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 5.0 | 5.0 |
| 80° | 0.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 |
| 82.5° | 0.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 |
| 85° | 0.0 | 0.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 |
| 87.5° | 0.0 | 0.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 |
| 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: P179942

CATALOG NUMBER: LDA6A55835D010TE LARH40FL 6LAL1LI 30°

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 |
| 2.5° | 1449.1 | 1428.1 | 1345.1 | 1281.1 | 1251.1 | 1249.1 | 1182.1 | 1141.1 | 1069.1 | 1013.1 | 960.1 |
| 5° | 1905.1 | 1812.1 | 1644.1 | 1511.1 | 1447.1 | 1414.1 | 1282.1 | 1187.1 | 1063.1 | 967.1 | 872.1 |
| 7.5° | 2369.2 | 2192.1 | 1956.1 | 1703.1 | 1599.1 | 1535.1 | 1331.1 | 1179.1 | 1014.1 | 880.1 | 762.1 |
| 10° | 2844.2 | 2532.2 | 2180.1 | 1846.1 | 1696.1 | 1588.1 | 1326.1 | 1120.1 | 930.1 | 773.1 | 644.0 |
| 12.5° | 3339.2 | 2847.2 | 2357.2 | 1939.1 | 1741.1 | 1599.1 | 1281.1 | 1034.1 | 827.1 | 660.0 | 537.0 |
| 15° | 3756.3 | 3091.2 | 2469.2 | 1961.1 | 1727.1 | 1555.1 | 1185.1 | 925.1 | 717.0 | 554.0 | 442.0 |
| 17.5° | 4078.3 | 3228.2 | 2490.2 | 1907.1 | 1649.1 | 1457.1 | 1061.1 | 805.1 | 601.0 | 457.0 | 346.0 |
| 20° | 4240.3 | 3249.2 | 2424.2 | 1779.1 | 1508.1 | 1310.1 | 920.1 | 683.0 | 504.0 | 370.0 | 275.0 |
| 22.5° | 4252.3 | 3151.2 | 2280.2 | 1614.1 | 1353.1 | 1152.1 | 804.1 | 589.0 | 442.0 | 332.0 | 261.0 |
| 25° | 4096.3 | 2962.2 | 2087.1 | 1445.1 | 1194.1 | 1013.1 | 721.0 | 565.0 | 445.0 | 385.0 | 354.0 |
| 27.5° | 3800.3 | 2700.2 | 1875.1 | 1276.1 | 1057.1 | 917.1 | 687.0 | 565.0 | 482.0 | 435.0 | 446.0 |
| 30° | 3390.2 | 2366.2 | 1580.1 | 1046.1 | 860.1 | 738.0 | 540.0 | 423.0 | 332.0 | 277.0 | 267.0 |
| 32.5° | 2858.2 | 1936.1 | 1225.1 | 773.1 | 627.0 | 532.0 | 365.0 | 265.0 | 214.0 | 209.0 | 203.0 |
| 35° | 2352.2 | 1529.1 | 930.1 | 571.0 | 462.0 | 376.0 | 233.0 | 156.0 | 142.0 | 134.0 | 128.0 |
| 37.5° | 1858.1 | 1144.1 | 668.0 | 415.0 | 317.0 | 239.0 | 120.0 | 101.0 | 88.0 | 80.0 | 73.0 |
| 40° | 1397.1 | 822.1 | 471.0 | 251.0 | 166.0 | 103.0 | 72.0 | 62.0 | 55.0 | 51.0 | 49.0 |
| 42.5° | 988.1 | 547.0 | 292.0 | 106.0 | 79.0 | 65.0 | 50.0 | 44.0 | 40.0 | 38.0 | 36.0 |
| 45° | 574.0 | 340.0 | 118.0 | 62.0 | 50.0 | 45.0 | 37.0 | 33.0 | 31.0 | 29.0 | 28.0 |
| 47.5° | 359.0 | 137.0 | 61.0 | 40.0 | 35.0 | 32.0 | 27.0 | 26.0 | 24.0 | 23.0 | 23.0 |
| 50° | 145.0 | 61.0 | 38.0 | 28.0 | 25.0 | 24.0 | 21.0 | 20.0 | 18.0 | 18.0 | 18.0 |
| 52.5° | 55.0 | 36.0 | 26.0 | 20.0 | 18.0 | 17.0 | 15.0 | 15.0 | 14.0 | 14.0 | 14.0 |
| 55° | 32.0 | 24.0 | 18.0 | 14.0 | 13.0 | 13.0 | 12.0 | 12.0 | 11.0 | 11.0 | 11.0 |
| 57.5° | 21.0 | 16.0 | 13.0 | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 60° | 14.0 | 11.0 | 9.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 62.5° | 10.0 | 9.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 9.0 | 9.0 | 9.0 | 10.0 |
| 65° | 8.0 | 7.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 10.0 | 10.0 |
| 67.5° | 6.0 | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.0 | 10.0 |
| 70° | 5.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 10.0 |
| 72.5° | 5.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.0 | 10.0 |
| 75° | 5.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 9.0 | 9.0 | 9.0 | 10.0 |
| 77.5° | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 10.0 | 10.0 |
| 80° | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 10.0 | 10.0 |
| 82.5° | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 10.0 | 10.0 |
| 85° | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 10.0 | 10.0 |
| 87.5° | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 8.0 | 8.0 | 9.0 | 9.0 | 9.0 | 10.0 |
| 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: P179942

CATALOG NUMBER: LDA6A55835D010TE LARH40FL 6LAL1LI 30°

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 |
| 2.5° | 934.1 | 888.1 | 838.1 | 822.1 | 806.1 | 775.1 | 756.1 | 722.0 | 697.0 | 672.0 | 652.0 |
| 5° | 809.1 | 736.0 | 675.0 | 649.0 | 624.0 | 581.0 | 551.0 | 515.0 | 486.0 | 461.0 | 438.0 |
| 7.5° | 679.0 | 595.0 | 534.0 | 508.0 | 483.0 | 436.0 | 398.0 | 353.0 | 319.0 | 291.0 | 268.0 |
| 10° | 559.0 | 479.0 | 413.0 | 382.0 | 353.0 | 304.0 | 268.0 | 232.0 | 203.0 | 179.0 | 158.0 |
| 12.5° | 455.0 | 369.0 | 302.0 | 279.0 | 251.0 | 211.0 | 177.0 | 138.0 | 121.0 | 114.0 | 109.0 |
| 15° | 353.0 | 276.0 | 220.0 | 199.0 | 174.0 | 136.0 | 121.0 | 114.0 | 109.0 | 106.0 | 102.0 |
| 17.5° | 269.0 | 205.0 | 150.0 | 136.0 | 128.0 | 120.0 | 116.0 | 111.0 | 108.0 | 107.0 | 104.0 |
| 20° | 211.0 | 155.0 | 141.0 | 137.0 | 137.0 | 135.0 | 132.0 | 132.0 | 131.0 | 134.0 | 134.0 |
| 22.5° | 217.0 | 217.0 | 229.0 | 228.0 | 244.0 | 260.0 | 272.0 | 311.0 | 333.0 | 380.0 | 412.0 |
| 25° | 379.0 | 415.0 | 457.0 | 470.0 | 501.0 | 547.0 | 595.0 | 655.0 | 697.0 | 742.0 | 760.1 |
| 27.5° | 473.0 | 479.0 | 473.0 | 488.0 | 468.0 | 456.0 | 460.0 | 467.0 | 467.0 | 470.0 | 482.0 |
| 30° | 280.0 | 294.0 | 307.0 | 317.0 | 312.0 | 307.0 | 305.0 | 290.0 | 290.0 | 284.0 | 279.0 |
| 32.5° | 190.0 | 188.0 | 186.0 | 190.0 | 186.0 | 186.0 | 183.0 | 184.0 | 178.0 | 174.0 | 172.0 |
| 35° | 130.0 | 124.0 | 117.0 | 118.0 | 114.0 | 113.0 | 110.0 | 110.0 | 106.0 | 104.0 | 103.0 |
| 37.5° | 72.0 | 72.0 | 69.0 | 70.0 | 69.0 | 69.0 | 69.0 | 70.0 | 69.0 | 69.0 | 70.0 |
| 40° | 49.0 | 49.0 | 48.0 | 49.0 | 48.0 | 49.0 | 50.0 | 50.0 | 50.0 | 50.0 | 49.0 |
| 42.5° | 37.0 | 37.0 | 36.0 | 37.0 | 36.0 | 37.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| 45° | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 29.0 | 30.0 | 30.0 | 29.0 | 29.0 |
| 47.5° | 23.0 | 24.0 | 23.0 | 23.0 | 23.0 | 23.0 | 24.0 | 24.0 | 23.0 | 23.0 | 23.0 |
| 50° | 19.0 | 19.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 52.5° | 15.0 | 14.0 | 14.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 12.0 |
| 55° | 11.0 | 11.0 | 10.0 | 10.0 | 10.0 | 11.0 | 11.0 | 11.0 | 11.0 | 10.0 | 10.0 |
| 57.5° | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 8.0 |
| 60° | 9.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 |
| 62.5° | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 | 7.0 |
| 65° | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 |
| 67.5° | 10.0 | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 |
| 70° | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 7.0 |
| 72.5° | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 7.0 |
| 75° | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 |
| 77.5° | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 |
| 80° | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 |
| 82.5° | 10.0 | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 |
| 85° | 10.0 | 10.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 | 6.0 |
| 87.5° | 9.0 | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 8.0 | 7.0 | 6.0 | 6.0 | 5.0 |
| 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: P179942

CATALOG NUMBER: LDA6A55835D010TE LARH40FL 6LAL1LI 30°

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 | 1047.1 |
| 2.5° | 628.0 | 624.0 | 621.0 | 627.0 | 625.0 | 600.0 | 603.0 | 602.0 |
| 5° | 412.0 | 403.0 | 396.0 | 399.0 | 391.0 | 380.0 | 372.0 | 370.0 |
| 7.5° | 245.0 | 235.0 | 229.0 | 223.0 | 221.0 | 207.0 | 201.0 | 205.0 |
| 10° | 135.0 | 121.0 | 120.0 | 117.0 | 113.0 | 110.0 | 108.0 | 109.0 |
| 12.5° | 104.0 | 103.0 | 101.0 | 100.0 | 98.0 | 97.0 | 96.0 | 95.0 |
| 15° | 99.0 | 98.0 | 97.0 | 96.0 | 95.0 | 94.0 | 93.0 | 93.0 |
| 17.5° | 102.0 | 102.0 | 101.0 | 100.0 | 100.0 | 101.0 | 100.0 | 99.0 |
| 20° | 133.0 | 133.0 | 135.0 | 138.0 | 138.0 | 141.0 | 145.0 | 142.0 |
| 22.5° | 432.0 | 454.0 | 481.0 | 489.0 | 536.0 | 574.0 | 644.0 | 613.0 |
| 25° | 790.1 | 840.1 | 852.1 | 869.1 | 895.1 | 908.1 | 895.1 | 912.1 |
| 27.5° | 480.0 | 497.0 | 499.0 | 500.0 | 506.0 | 505.0 | 492.0 | 500.0 |
| 30° | 279.0 | 285.0 | 283.0 | 282.0 | 280.0 | 269.0 | 267.0 | 271.0 |
| 32.5° | 175.0 | 173.0 | 172.0 | 171.0 | 171.0 | 165.0 | 168.0 | 166.0 |
| 35° | 100.0 | 103.0 | 102.0 | 101.0 | 98.0 | 97.0 | 97.0 | 96.0 |
| 37.5° | 67.0 | 68.0 | 67.0 | 66.0 | 64.0 | 63.0 | 62.0 | 61.0 |
| 40° | 48.0 | 49.0 | 48.0 | 47.0 | 46.0 | 45.0 | 44.0 | 43.0 |
| 42.5° | 36.0 | 37.0 | 36.0 | 36.0 | 34.0 | 33.0 | 32.0 | 31.0 |
| 45° | 28.0 | 27.0 | 27.0 | 27.0 | 26.0 | 25.0 | 24.0 | 24.0 |
| 47.5° | 23.0 | 23.0 | 23.0 | 22.0 | 21.0 | 21.0 | 21.0 | 20.0 |
| 50° | 17.0 | 18.0 | 17.0 | 17.0 | 16.0 | 15.0 | 15.0 | 14.0 |
| 52.5° | 12.0 | 12.0 | 11.0 | 11.0 | 10.0 | 9.0 | 9.0 | 9.0 |
| 55° | 9.0 | 9.0 | 9.0 | 8.0 | 8.0 | 7.0 | 7.0 | 7.0 |
| 57.5° | 8.0 | 7.0 | 7.0 | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 |
| 60° | 7.0 | 6.0 | 6.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 |
| 62.5° | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 65° | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 67.5° | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 |
| 70° | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 |
| 72.5° | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 75° | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 77.5° | 7.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 80° | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 82.5° | 6.0 | 6.0 | 6.0 | 6.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 85° | 6.0 | 5.0 | 5.0 | 5.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 87.5° | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 |
| 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)