

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: P179887

Luminaire Tested: **LDA6A65840D010TE LARH30NF 6LA1LI 30°**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26687)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65840D010TE LARH30NF 6LA1LI 30°
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood, 30° Tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6734.6 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 2.58 / 0.47 / 1.37
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

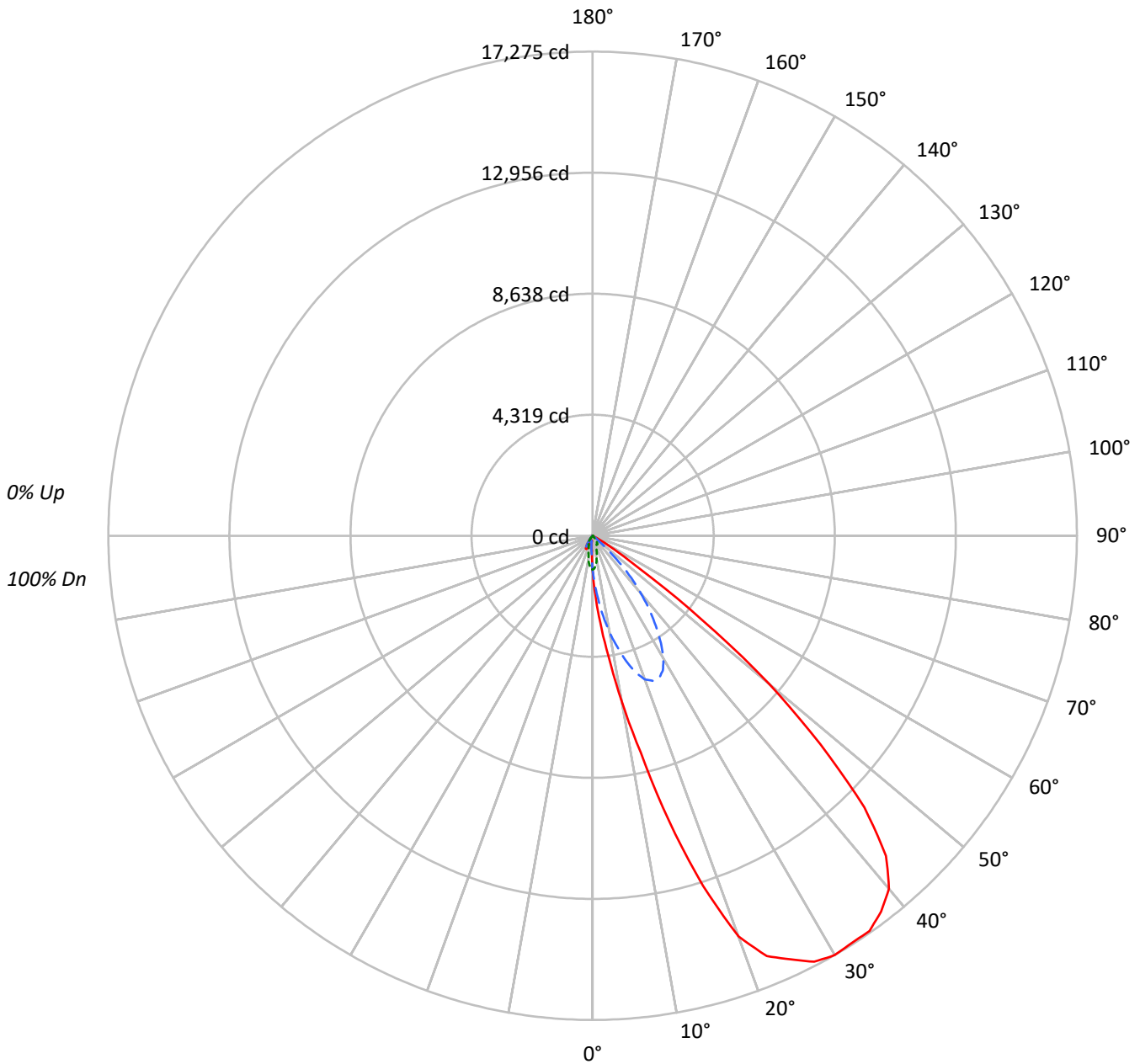
Input Watts (W): 78
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179887

CATALOG NUMBER: LDA6A65840D010TE LARH30NF 6LA1LI 30°

Luminous Intensity Polar Plot





TEST NUMBER: P179887

CATALOG NUMBER: LDA6A65840D010TE LARH30NF 6LA1LI 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 | 89 | 83 | 78 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 77 | 74 | 73 | | | | | | | | | | | | | | | | | | | |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 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 | 53 | 49 | 59 | 53 | 49 | 57 | 52 | 48 | 46 | | | | | | | | | | | | | | | | | | | |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 42 | | | | | | | | | | | | | | | | | | | |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 43 | 39 | 38 | | | | | | | | | | | | | | | | | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|---------|-------|-------|
| 0° | 66596 | 66596 | 66596 |
| 5° | 170828 | 60582 | 18870 |
| 10° | 332999 | 46559 | 9068 |
| 15° | 597767 | 31623 | 12162 |
| 20° | 887496 | 24006 | 20074 |
| 25° | 1008778 | 19779 | 31478 |
| 30° | 1093529 | 21630 | 29612 |
| 35° | 1151840 | 14014 | 18357 |
| 40° | 1176748 | 6219 | 8938 |
| 45° | 1062831 | 2372 | 3326 |
| 50° | 699627 | 938 | 938 |
| 55° | 191592 | 822 | 0 |
| 60° | 38264 | 943 | 0 |
| 65° | 2698 | 1271 | 0 |
| 70° | 385 | 1571 | 0 |
| 75° | 0 | 2330 | 0 |
| 80° | 0 | 3473 | 379 |
| 85° | 0 | 6919 | 755 |



TEST NUMBER: P179887

CATALOG NUMBER: LDA6A65840D010TE LARH30NF 6LA1LI 30°

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 148.8 | 2.2 |
| 10°-20° | 790.5 | 11.7 |
| 20°-30° | 1791.8 | 26.6 |
| 30°-40° | 2150.8 | 31.9 |
| 40°-50° | 1515.8 | 22.5 |
| 50°-60° | 312.8 | 4.6 |
| 60°-70° | 11.1 | 0.2 |
| 70°-80° | 6.6 | 0.1 |
| 80°-90° | 6.4 | 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° | 2731.2 | 40.6 |
| 0°-40° | 4881.9 | 72.5 |
| 0°-60° | 6710.5 | 99.6 |
| 0°-90° | 6734.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6734.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-------|------|------|------|------|-------|
| 0° | 1215 | 1215 | 1215 | 1215 | 1215 | |
| 5° | 3104 | 2262 | 1101 | 458 | 343 | 382 |
| 15° | 10533 | 4634 | 557 | 198 | 214 | 3126 |
| 25° | 16678 | 5605 | 327 | 458 | 520 | 7697 |
| 35° | 17211 | 3925 | 209 | 274 | 274 | 10700 |
| 45° | 13709 | 1346 | 31 | 42 | 43 | 10083 |
| 55° | 2005 | 27 | 9 | 6 | 0 | 2642 |
| 65° | 21 | 6 | 10 | 6 | 0 | 62 |
| 75° | 0 | 6 | 11 | 7 | 0 | 0 |
| 85° | 0 | 7 | 11 | 7 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P179887

CATALOG NUMBER: LDA6A65840D010TE LARH30NF 6LA1LI 30°

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0° | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 |
| 2.5° | 2070.8 | 2008.3 | 2032.8 | 1960.5 | 1944.6 | 1931.2 | 1944.6 | 1866.3 | 1822.2 | 1765.8 | 1720.5 |
| 5° | 3104.3 | 3029.6 | 3046.7 | 2920.6 | 2863.1 | 2823.9 | 2816.5 | 2654.9 | 2533.7 | 2400.2 | 2261.8 |
| 7.5° | 4321.5 | 4250.5 | 4240.7 | 4044.8 | 3926.0 | 3858.6 | 3830.5 | 3599.0 | 3389.6 | 3152.1 | 2892.5 |
| 10° | 5982.1 | 5820.4 | 5770.2 | 5486.1 | 5259.6 | 5116.3 | 4939.9 | 4570.1 | 4202.7 | 3843.9 | 3513.3 |
| 12.5° | 7914.4 | 7826.3 | 7701.4 | 7200.5 | 6803.8 | 6600.5 | 6337.2 | 5759.2 | 5203.2 | 4610.5 | 4057.0 |
| 15° | 10532.6 | 10219.1 | 10006.0 | 9282.3 | 8643.1 | 8329.6 | 7945.1 | 7060.9 | 6220.9 | 5470.2 | 4633.8 |
| 17.5° | 13090.7 | 12926.6 | 12593.6 | 11654.3 | 10669.7 | 10175.0 | 9601.9 | 8400.6 | 7214.0 | 6146.2 | 5124.9 |
| 20° | 15212.9 | 15058.6 | 14679.0 | 13793.6 | 12701.3 | 11971.5 | 11250.2 | 9601.9 | 8051.6 | 6685.0 | 5453.0 |
| 22.5° | 16229.3 | 16131.4 | 15821.5 | 15063.5 | 14132.8 | 13438.5 | 12663.4 | 10624.4 | 8671.2 | 7037.6 | 5602.4 |
| 25° | 16677.5 | 16632.2 | 16432.6 | 15835.0 | 14958.2 | 14369.2 | 13636.9 | 11348.2 | 9057.0 | 7201.7 | 5604.9 |
| 27.5° | 17131.8 | 17140.4 | 16699.6 | 16226.9 | 15395.4 | 14829.6 | 14124.3 | 11669.0 | 9126.8 | 7109.9 | 5421.2 |
| 30° | 17275.1 | 17184.5 | 16989.8 | 16311.4 | 15521.5 | 14920.2 | 14163.5 | 11520.8 | 8840.2 | 6732.7 | 5055.1 |
| 32.5° | 17216.3 | 17180.8 | 16966.5 | 16248.9 | 15307.2 | 14644.7 | 13785.1 | 10933.0 | 8274.5 | 6193.9 | 4535.8 |
| 35° | 17211.4 | 17145.3 | 16654.2 | 16038.3 | 14878.6 | 14060.6 | 12927.9 | 9982.8 | 7473.6 | 5483.7 | 3924.8 |
| 37.5° | 16900.4 | 16736.3 | 16367.7 | 15537.4 | 14009.2 | 12971.9 | 11702.1 | 8821.9 | 6493.9 | 4686.5 | 3318.6 |
| 40° | 16443.6 | 16223.2 | 15738.3 | 14481.8 | 12502.9 | 11307.7 | 10068.5 | 7503.0 | 5456.7 | 3900.3 | 2674.5 |
| 42.5° | 15489.7 | 15156.6 | 14470.8 | 12742.9 | 10495.9 | 9418.2 | 8387.1 | 6167.0 | 4450.1 | 3177.8 | 2041.4 |
| 45° | 13709.1 | 13253.6 | 12326.6 | 10429.7 | 8479.0 | 7599.7 | 6770.7 | 4962.0 | 3562.3 | 2357.3 | 1345.8 |
| 47.5° | 11018.7 | 10596.3 | 9752.5 | 8302.6 | 6649.5 | 5906.1 | 5244.9 | 3690.9 | 2414.9 | 1365.4 | 642.9 |
| 50° | 8203.4 | 7841.0 | 7182.1 | 5770.2 | 4463.6 | 3879.5 | 3313.7 | 2096.5 | 1131.5 | 649.0 | 267.0 |
| 52.5° | 4894.6 | 4714.6 | 4130.5 | 3199.8 | 2204.2 | 1899.3 | 1524.6 | 887.8 | 570.7 | 235.1 | 72.3 |
| 55° | 2004.6 | 1850.3 | 1631.1 | 1309.1 | 958.8 | 813.1 | 695.6 | 438.4 | 177.6 | 49.0 | 26.9 |
| 57.5° | 906.2 | 871.9 | 772.7 | 607.4 | 440.8 | 369.8 | 249.8 | 83.3 | 39.2 | 24.5 | 15.9 |
| 60° | 349.0 | 314.7 | 269.4 | 145.7 | 62.5 | 52.7 | 42.9 | 28.2 | 19.6 | 13.5 | 9.8 |
| 62.5° | 50.2 | 47.8 | 42.9 | 34.3 | 26.9 | 24.5 | 20.8 | 14.7 | 11.0 | 8.6 | 7.3 |
| 65° | 20.8 | 20.8 | 18.4 | 14.7 | 12.2 | 11.0 | 9.8 | 7.3 | 6.1 | 6.1 | 6.1 |
| 67.5° | 8.6 | 8.6 | 7.3 | 6.1 | 4.9 | 4.9 | 4.9 | 3.7 | 4.9 | 4.9 | 6.1 |
| 70° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 3.7 | 3.7 | 4.9 | 4.9 | 6.1 |
| 72.5° | 0.0 | 0.0 | 1.2 | 1.2 | 2.4 | 2.4 | 2.4 | 3.7 | 4.9 | 6.1 | 6.1 |
| 75° | 0.0 | 0.0 | 1.2 | 1.2 | 2.4 | 2.4 | 2.4 | 3.7 | 4.9 | 6.1 | 6.1 |
| 77.5° | 0.0 | 0.0 | 1.2 | 1.2 | 2.4 | 2.4 | 3.7 | 3.7 | 4.9 | 6.1 | 6.1 |
| 80° | 0.0 | 0.0 | 1.2 | 1.2 | 2.4 | 2.4 | 3.7 | 3.7 | 4.9 | 6.1 | 7.3 |
| 82.5° | 0.0 | 0.0 | 1.2 | 1.2 | 2.4 | 2.4 | 3.7 | 3.7 | 4.9 | 6.1 | 7.3 |
| 85° | 0.0 | 0.0 | 1.2 | 1.2 | 2.4 | 2.4 | 3.7 | 3.7 | 4.9 | 6.1 | 7.3 |
| 87.5° | 0.0 | 0.0 | 1.2 | 1.2 | 2.4 | 2.4 | 3.7 | 3.7 | 4.9 | 6.1 | 7.3 |
| 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: P179887

CATALOG NUMBER: LDA6A65840D010TE LARH30NF 6LA1LI 30°

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 |
| 2.5° | 1681.3 | 1603.0 | 1580.9 | 1512.4 | 1454.8 | 1426.6 | 1391.1 | 1311.5 | 1251.5 | 1171.9 | 1124.2 |
| 5° | 2165.1 | 2016.9 | 1899.3 | 1756.0 | 1661.8 | 1600.5 | 1505.0 | 1359.3 | 1241.7 | 1100.9 | 1000.5 |
| 7.5° | 2687.9 | 2417.3 | 2205.5 | 1969.1 | 1833.2 | 1726.7 | 1563.8 | 1354.4 | 1181.7 | 994.4 | 838.8 |
| 10° | 3192.5 | 2788.4 | 2455.3 | 2116.1 | 1937.3 | 1789.1 | 1565.0 | 1301.7 | 1072.7 | 836.4 | 672.3 |
| 12.5° | 3637.0 | 3115.3 | 2646.3 | 2210.4 | 1988.7 | 1803.8 | 1523.4 | 1207.4 | 930.7 | 688.2 | 543.7 |
| 15° | 4008.0 | 3368.8 | 2781.0 | 2245.9 | 1992.4 | 1772.0 | 1436.4 | 1072.7 | 772.7 | 557.2 | 455.5 |
| 17.5° | 4289.7 | 3502.3 | 2822.7 | 2203.0 | 1921.4 | 1681.3 | 1303.0 | 902.5 | 627.0 | 472.7 | 383.3 |
| 20° | 4435.4 | 3528.0 | 2762.6 | 2086.7 | 1790.3 | 1544.2 | 1127.8 | 732.3 | 531.5 | 411.5 | 320.8 |
| 22.5° | 4453.8 | 3455.8 | 2619.4 | 1920.1 | 1625.0 | 1377.6 | 934.4 | 611.1 | 473.9 | 363.7 | 282.9 |
| 25° | 4344.8 | 3299.0 | 2414.9 | 1731.6 | 1443.8 | 1186.6 | 760.5 | 547.4 | 431.1 | 327.0 | 325.7 |
| 27.5° | 4112.1 | 3029.6 | 2170.0 | 1512.4 | 1224.6 | 965.0 | 645.4 | 494.7 | 384.5 | 346.6 | 368.6 |
| 30° | 3783.9 | 2684.3 | 1868.7 | 1235.6 | 956.4 | 742.1 | 543.7 | 407.8 | 338.0 | 341.7 | 360.0 |
| 32.5° | 3339.4 | 2255.7 | 1514.8 | 905.0 | 684.5 | 558.4 | 407.8 | 278.0 | 280.4 | 281.7 | 297.6 |
| 35° | 2781.0 | 1808.7 | 1131.5 | 608.6 | 481.3 | 393.1 | 230.2 | 204.5 | 208.2 | 209.4 | 220.4 |
| 37.5° | 2228.7 | 1389.9 | 751.9 | 405.3 | 302.5 | 207.0 | 143.3 | 137.2 | 139.6 | 138.4 | 150.6 |
| 40° | 1707.1 | 968.6 | 450.6 | 200.8 | 116.3 | 96.7 | 88.2 | 84.5 | 85.7 | 86.9 | 94.3 |
| 42.5° | 1208.7 | 525.3 | 222.9 | 75.9 | 61.2 | 56.3 | 52.7 | 50.2 | 51.4 | 51.4 | 56.3 |
| 45° | 613.5 | 248.6 | 75.9 | 41.6 | 38.0 | 34.3 | 31.8 | 30.6 | 30.6 | 30.6 | 33.1 |
| 47.5° | 265.7 | 82.0 | 35.5 | 25.7 | 23.3 | 22.0 | 19.6 | 18.4 | 18.4 | 18.4 | 19.6 |
| 50° | 83.3 | 33.1 | 22.0 | 17.1 | 14.7 | 13.5 | 12.2 | 12.2 | 12.2 | 11.0 | 12.2 |
| 52.5° | 30.6 | 20.8 | 14.7 | 11.0 | 9.8 | 9.8 | 9.8 | 8.6 | 9.8 | 8.6 | 9.8 |
| 55° | 18.4 | 13.5 | 9.8 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 57.5° | 12.2 | 9.8 | 8.6 | 8.6 | 7.3 | 7.3 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 60° | 8.6 | 8.6 | 7.3 | 7.3 | 7.3 | 7.3 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 62.5° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 8.6 | 8.6 | 8.6 | 8.6 | 9.8 |
| 65° | 6.1 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 |
| 67.5° | 6.1 | 7.3 | 7.3 | 8.6 | 8.6 | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 9.8 |
| 70° | 7.3 | 7.3 | 8.6 | 8.6 | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 9.8 | 11.0 |
| 72.5° | 7.3 | 7.3 | 8.6 | 8.6 | 8.6 | 8.6 | 9.8 | 9.8 | 11.0 | 11.0 | 11.0 |
| 75° | 7.3 | 8.6 | 8.6 | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 11.0 | 11.0 | 11.0 |
| 77.5° | 7.3 | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 9.8 | 11.0 | 11.0 | 11.0 | 11.0 |
| 80° | 7.3 | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 11.0 | 11.0 | 11.0 | 11.0 | 12.2 |
| 82.5° | 7.3 | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 11.0 | 11.0 | 11.0 | 11.0 | 12.2 |
| 85° | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 9.8 | 11.0 | 11.0 | 11.0 | 11.0 | 12.2 |
| 87.5° | 8.6 | 8.6 | 9.8 | 9.8 | 9.8 | 9.8 | 11.0 | 11.0 | 12.2 | 11.0 | 12.2 |
| 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: P179887

CATALOG NUMBER: LDA6A65840D010TE LARH30NF 6LA1LI 30°

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 |
| 2.5° | 1060.5 | 989.5 | 940.5 | 922.1 | 886.6 | 830.3 | 797.2 | 766.6 | 709.0 | 696.8 | 664.9 |
| 5° | 885.4 | 771.5 | 690.7 | 660.0 | 619.6 | 571.9 | 525.3 | 494.7 | 458.0 | 443.3 | 421.3 |
| 7.5° | 698.0 | 584.1 | 514.3 | 489.8 | 461.7 | 422.5 | 380.8 | 350.2 | 312.3 | 292.7 | 274.3 |
| 10° | 548.6 | 464.1 | 405.3 | 380.8 | 351.5 | 309.8 | 267.0 | 226.5 | 193.5 | 172.7 | 169.0 |
| 12.5° | 445.7 | 375.9 | 313.5 | 287.8 | 253.5 | 211.9 | 181.2 | 180.0 | 177.6 | 176.3 | 178.8 |
| 15° | 364.9 | 297.6 | 231.4 | 203.3 | 193.5 | 192.3 | 195.9 | 199.6 | 198.4 | 202.1 | 204.5 |
| 17.5° | 300.0 | 227.8 | 213.1 | 214.3 | 215.5 | 219.2 | 225.3 | 235.1 | 236.3 | 242.5 | 247.4 |
| 20° | 244.9 | 241.2 | 247.4 | 252.3 | 255.9 | 263.3 | 276.8 | 289.0 | 292.7 | 301.2 | 311.0 |
| 22.5° | 278.0 | 289.0 | 302.5 | 308.6 | 313.5 | 327.0 | 341.7 | 361.3 | 368.6 | 379.6 | 393.1 |
| 25° | 335.5 | 353.9 | 374.7 | 382.1 | 389.4 | 411.5 | 428.6 | 451.9 | 458.0 | 471.5 | 484.9 |
| 27.5° | 383.3 | 402.9 | 424.9 | 434.7 | 440.8 | 462.9 | 477.6 | 492.3 | 492.3 | 499.6 | 509.4 |
| 30° | 375.9 | 391.9 | 410.2 | 417.6 | 420.0 | 435.9 | 450.6 | 455.5 | 453.1 | 456.8 | 464.1 |
| 32.5° | 312.3 | 324.5 | 339.2 | 345.3 | 347.8 | 358.8 | 371.0 | 371.0 | 369.8 | 369.8 | 374.7 |
| 35° | 231.4 | 240.0 | 247.4 | 253.5 | 257.2 | 264.5 | 275.5 | 274.3 | 274.3 | 271.9 | 275.5 |
| 37.5° | 155.5 | 160.4 | 169.0 | 171.4 | 172.7 | 177.6 | 186.1 | 186.1 | 183.7 | 184.9 | 187.4 |
| 40° | 94.3 | 100.4 | 105.3 | 106.5 | 109.0 | 112.7 | 118.8 | 118.8 | 118.8 | 118.8 | 120.0 |
| 42.5° | 56.3 | 60.0 | 63.7 | 63.7 | 64.9 | 69.8 | 72.3 | 72.3 | 72.3 | 72.3 | 73.5 |
| 45° | 33.1 | 34.3 | 36.7 | 38.0 | 38.0 | 40.4 | 41.6 | 41.6 | 41.6 | 41.6 | 42.9 |
| 47.5° | 19.6 | 20.8 | 20.8 | 22.0 | 22.0 | 23.3 | 24.5 | 24.5 | 23.3 | 23.3 | 23.3 |
| 50° | 12.2 | 12.2 | 12.2 | 12.2 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 12.2 |
| 52.5° | 9.8 | 9.8 | 9.8 | 9.8 | 8.6 | 8.6 | 8.6 | 8.6 | 7.3 | 7.3 | 6.1 |
| 55° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 7.3 | 7.3 | 7.3 | 6.1 | 4.9 | 3.7 |
| 57.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 7.3 | 7.3 | 6.1 | 4.9 | 4.9 | 3.7 |
| 60° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 7.3 | 7.3 | 6.1 | 4.9 | 4.9 | 3.7 |
| 62.5° | 9.8 | 9.8 | 8.6 | 8.6 | 8.6 | 7.3 | 7.3 | 6.1 | 6.1 | 4.9 | 3.7 |
| 65° | 9.8 | 9.8 | 8.6 | 8.6 | 8.6 | 8.6 | 7.3 | 7.3 | 6.1 | 4.9 | 3.7 |
| 67.5° | 9.8 | 9.8 | 9.8 | 9.8 | 8.6 | 8.6 | 8.6 | 7.3 | 6.1 | 4.9 | 3.7 |
| 70° | 11.0 | 11.0 | 9.8 | 9.8 | 9.8 | 8.6 | 8.6 | 7.3 | 6.1 | 6.1 | 4.9 |
| 72.5° | 11.0 | 11.0 | 9.8 | 9.8 | 9.8 | 9.8 | 8.6 | 7.3 | 7.3 | 6.1 | 4.9 |
| 75° | 11.0 | 11.0 | 11.0 | 11.0 | 9.8 | 9.8 | 8.6 | 8.6 | 7.3 | 6.1 | 4.9 |
| 77.5° | 11.0 | 11.0 | 11.0 | 11.0 | 9.8 | 9.8 | 9.8 | 8.6 | 7.3 | 6.1 | 4.9 |
| 80° | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 9.8 | 9.8 | 8.6 | 7.3 | 6.1 | 4.9 |
| 82.5° | 12.2 | 12.2 | 11.0 | 11.0 | 11.0 | 9.8 | 9.8 | 8.6 | 7.3 | 6.1 | 6.1 |
| 85° | 12.2 | 12.2 | 11.0 | 11.0 | 11.0 | 9.8 | 9.8 | 8.6 | 7.3 | 7.3 | 6.1 |
| 87.5° | 12.2 | 12.2 | 11.0 | 11.0 | 11.0 | 9.8 | 9.8 | 8.6 | 7.3 | 7.3 | 6.1 |
| 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: P179887

CATALOG NUMBER: LDA6A65840D010TE LARH30NF 6LA1LI 30°

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 | 1214.8 |
| 2.5° | 645.4 | 608.6 | 596.4 | 604.9 | 595.1 | 587.8 | 578.0 | 573.1 |
| 5° | 404.1 | 377.2 | 368.6 | 371.0 | 362.5 | 355.1 | 345.3 | 342.9 |
| 7.5° | 248.6 | 222.9 | 213.1 | 213.1 | 203.3 | 194.7 | 188.6 | 184.9 |
| 10° | 166.5 | 161.6 | 162.9 | 164.1 | 162.9 | 164.1 | 160.4 | 162.9 |
| 12.5° | 178.8 | 176.3 | 178.8 | 180.0 | 180.0 | 182.5 | 177.6 | 181.2 |
| 15° | 208.2 | 205.7 | 209.4 | 211.9 | 211.9 | 215.5 | 210.6 | 214.3 |
| 17.5° | 254.7 | 253.5 | 259.6 | 262.1 | 263.3 | 269.4 | 263.3 | 268.2 |
| 20° | 322.1 | 320.8 | 329.4 | 333.1 | 331.9 | 344.1 | 335.5 | 344.1 |
| 22.5° | 409.0 | 406.6 | 418.8 | 422.5 | 423.7 | 439.6 | 432.3 | 438.4 |
| 25° | 496.0 | 498.4 | 504.5 | 510.6 | 511.9 | 525.3 | 514.3 | 520.4 |
| 27.5° | 514.3 | 510.6 | 514.3 | 521.7 | 522.9 | 529.0 | 519.2 | 524.1 |
| 30° | 465.3 | 459.2 | 460.4 | 469.0 | 471.5 | 473.9 | 465.3 | 467.8 |
| 32.5° | 378.4 | 368.6 | 368.6 | 377.2 | 379.6 | 383.3 | 368.6 | 374.7 |
| 35° | 279.2 | 270.6 | 270.6 | 276.8 | 278.0 | 280.4 | 269.4 | 274.3 |
| 37.5° | 191.0 | 183.7 | 186.1 | 188.6 | 189.8 | 192.3 | 191.0 | 189.8 |
| 40° | 122.5 | 117.6 | 121.2 | 121.2 | 122.5 | 123.7 | 123.7 | 124.9 |
| 42.5° | 74.7 | 71.0 | 73.5 | 73.5 | 74.7 | 74.7 | 74.7 | 75.9 |
| 45° | 42.9 | 41.6 | 41.6 | 42.9 | 42.9 | 42.9 | 41.6 | 42.9 |
| 47.5° | 23.3 | 22.0 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 |
| 50° | 12.2 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| 52.5° | 6.1 | 4.9 | 4.9 | 4.9 | 3.7 | 4.9 | 3.7 | 3.7 |
| 55° | 3.7 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 |
| 57.5° | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 3.7 | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 70° | 3.7 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 3.7 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 |
| 75° | 3.7 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 |
| 77.5° | 3.7 | 3.7 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 |
| 80° | 4.9 | 3.7 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 |
| 82.5° | 4.9 | 3.7 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 |
| 85° | 4.9 | 3.7 | 3.7 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 |
| 87.5° | 4.9 | 3.7 | 3.7 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 |
| 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)