

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: P135557

Luminaire Tested: **LD6A15D010TE ERM6A15930 6LM111LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P135557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23399)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A15D010TE ERM6A15930 6LM111LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED SINGLE WALL WASH LUMINAIRE
SPECULAR CLEAR TRIM AND SPECULAR CLEAR KICKER
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1401.7 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.93 / 0.89
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

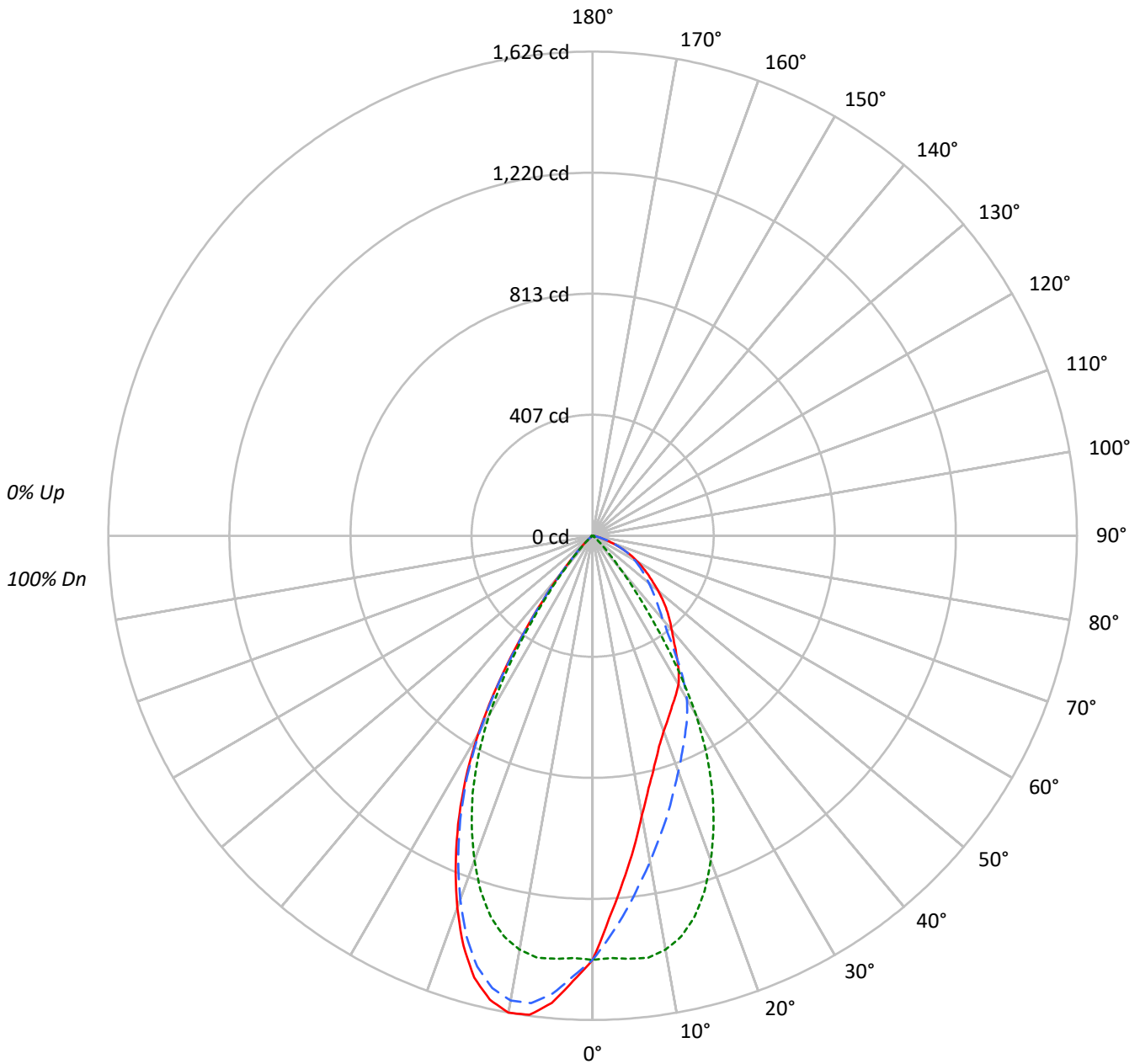
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P135557

CATALOG NUMBER: LD6A15D010TE ERM6A15930 6LM111LI

Luminous Intensity Polar Plot





TEST NUMBER: P135557

CATALOG NUMBER: LD6A15D010TE ERM6A15930 6LM111LI

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 | | | | 100 | | | | | | | | | | | | | | | |
| 1 | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 | 100 | 98 | 97 | 96 | 95 | 94 | 92 | | | | 92 | | | | | | | | | | | | | | | |
| 2 | 106 | 101 | 96 | 93 | 104 | 99 | 95 | 91 | 96 | 92 | 89 | 93 | 90 | 88 | 90 | 88 | 86 | 84 | | | | 84 | | | | | | | | | | | | | | | |
| 3 | 100 | 93 | 87 | 83 | 98 | 92 | 86 | 82 | 89 | 85 | 81 | 86 | 83 | 80 | 84 | 81 | 78 | 77 | | | | 77 | | | | | | | | | | | | | | | |
| 4 | 95 | 86 | 80 | 75 | 93 | 85 | 79 | 75 | 83 | 78 | 74 | 81 | 76 | 73 | 79 | 75 | 72 | 71 | | | | 71 | | | | | | | | | | | | | | | |
| 5 | 89 | 80 | 74 | 69 | 88 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 74 | 70 | 67 | 65 | | | | 65 | | | | | | | | | | | | | | | |
| 6 | 84 | 75 | 68 | 63 | 83 | 74 | 68 | 63 | 72 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 62 | 60 | | | | 60 | | | | | | | | | | | | | | | |
| 7 | 80 | 70 | 63 | 59 | 78 | 69 | 63 | 59 | 68 | 62 | 58 | 67 | 62 | 58 | 65 | 61 | 58 | 56 | | | | 56 | | | | | | | | | | | | | | | |
| 8 | 76 | 65 | 59 | 55 | 74 | 65 | 59 | 54 | 64 | 58 | 54 | 63 | 58 | 54 | 62 | 57 | 54 | 52 | | | | 52 | | | | | | | | | | | | | | | |
| 9 | 72 | 62 | 55 | 51 | 71 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 50 | 58 | 54 | 50 | 49 | | | | 49 | | | | | | | | | | | | | | | |
| 10 | 68 | 58 | 52 | 48 | 67 | 58 | 52 | 48 | 57 | 51 | 48 | 56 | 51 | 47 | 55 | 51 | 47 | 46 | | | | 46 | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|--------|
| 0° | 92903 | 92903 | 92903 |
| 5° | 76328 | 93382 | 103166 |
| 10° | 63100 | 93501 | 107744 |
| 15° | 54047 | 89405 | 103731 |
| 20° | 48460 | 80522 | 92235 |
| 25° | 45451 | 68566 | 76894 |
| 30° | 43430 | 52296 | 57886 |
| 35° | 39153 | 29636 | 33554 |
| 40° | 35139 | 12068 | 14206 |
| 45° | 32468 | 4180 | 4798 |
| 50° | 29160 | 1472 | 1563 |
| 55° | 25774 | 876 | 762 |
| 60° | 22769 | 757 | 626 |
| 65° | 18756 | 602 | 448 |
| 70° | 12513 | 553 | 362 |
| 75° | 6806 | 479 | 227 |
| 80° | 3644 | 1090 | 0 |
| 85° | 1422 | 1422 | 0 |



TEST NUMBER: P135557

CATALOG NUMBER: LD6A15D010TE ERM6A15930 6LM111LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 132.6 | 9.5 |
| 10°-20° | 344.8 | 24.6 |
| 20°-30° | 407.4 | 29.1 |
| 30°-40° | 271.5 | 19.4 |
| 40°-50° | 117.8 | 8.4 |
| 50°-60° | 70.7 | 5.0 |
| 60°-70° | 42.4 | 3.0 |
| 70°-80° | 13.0 | 0.9 |
| 80°-90° | 1.6 | 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° | 884.8 | 63.1 |
| 0°-40° | 1156.3 | 82.5 |
| 0°-60° | 1344.8 | 95.9 |
| 0°-90° | 1401.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1401.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1424 | 1424 | 1424 | 1424 | 1424 | |
| 5° | 1166 | 1267 | 1426 | 1544 | 1575 | 105 |
| 15° | 800 | 970 | 1324 | 1498 | 1536 | 226 |
| 25° | 631 | 735 | 952 | 1052 | 1068 | 292 |
| 35° | 492 | 484 | 372 | 414 | 421 | 308 |
| 45° | 352 | 298 | 45 | 52 | 52 | 271 |
| 55° | 227 | 202 | 8 | 7 | 7 | 204 |
| 65° | 122 | 120 | 4 | 3 | 3 | 119 |
| 75° | 27 | 30 | 2 | 1 | 1 | 33 |
| 85° | 2 | 3 | 2 | 0 | 0 | 3 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P135557

CATALOG NUMBER: LD6A15D010TE ERM6A15930 6LM111LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 |
| 2.5° | 1285.1 | 1307.3 | 1316.9 | 1323.7 | 1298.6 | 1325.6 | 1316.9 | 1329.5 | 1333.3 | 1345.9 | 1357.4 |
| 5° | 1165.5 | 1186.8 | 1197.4 | 1205.0 | 1185.8 | 1216.6 | 1215.7 | 1232.1 | 1245.6 | 1266.7 | 1281.2 |
| 7.5° | 1058.5 | 1068.2 | 1078.8 | 1089.4 | 1080.7 | 1108.7 | 1113.5 | 1136.6 | 1156.9 | 1185.8 | 1212.8 |
| 10° | 952.5 | 962.2 | 972.8 | 984.3 | 980.5 | 1008.4 | 1019.0 | 1045.1 | 1072.0 | 1110.6 | 1139.6 |
| 12.5° | 867.7 | 877.3 | 886.9 | 898.5 | 896.6 | 924.5 | 938.0 | 966.0 | 998.7 | 1037.3 | 1070.1 |
| 15° | 800.2 | 808.8 | 818.5 | 826.2 | 828.2 | 854.1 | 868.6 | 895.6 | 930.3 | 969.8 | 1003.6 |
| 17.5° | 741.4 | 751.0 | 759.6 | 766.5 | 768.4 | 792.4 | 806.9 | 831.0 | 864.7 | 902.4 | 935.2 |
| 20° | 698.0 | 706.7 | 714.3 | 721.1 | 721.1 | 742.3 | 754.9 | 777.0 | 806.9 | 841.6 | 869.6 |
| 22.5° | 663.3 | 670.9 | 677.8 | 683.6 | 683.6 | 701.8 | 712.5 | 730.7 | 756.8 | 785.7 | 808.8 |
| 25° | 631.4 | 639.2 | 645.0 | 649.8 | 648.8 | 666.2 | 674.8 | 688.4 | 710.6 | 734.6 | 752.0 |
| 27.5° | 604.5 | 612.2 | 617.0 | 623.8 | 619.9 | 634.4 | 641.1 | 652.7 | 670.0 | 687.3 | 697.0 |
| 30° | 576.5 | 584.2 | 589.1 | 594.9 | 591.0 | 603.5 | 607.4 | 613.1 | 624.7 | 633.4 | 634.4 |
| 32.5° | 538.0 | 544.7 | 549.6 | 552.4 | 547.6 | 557.2 | 557.2 | 558.2 | 562.1 | 563.0 | 555.3 |
| 35° | 491.6 | 496.5 | 500.4 | 501.3 | 495.5 | 501.3 | 500.4 | 493.6 | 491.6 | 484.0 | 468.5 |
| 37.5° | 448.3 | 454.1 | 456.0 | 456.0 | 448.3 | 451.2 | 447.3 | 436.7 | 429.0 | 415.6 | 394.3 |
| 40° | 412.6 | 417.4 | 418.4 | 417.4 | 409.8 | 410.7 | 404.9 | 392.3 | 381.8 | 365.4 | 338.4 |
| 42.5° | 382.8 | 386.6 | 387.6 | 386.6 | 378.9 | 378.9 | 373.1 | 359.6 | 347.0 | 328.7 | 300.8 |
| 45° | 351.9 | 355.8 | 357.6 | 355.8 | 349.0 | 349.0 | 342.2 | 329.7 | 317.2 | 297.9 | 269.9 |
| 47.5° | 320.0 | 323.0 | 324.9 | 323.9 | 317.2 | 317.2 | 311.4 | 298.9 | 288.3 | 270.9 | 243.9 |
| 50° | 287.3 | 291.1 | 293.1 | 292.1 | 286.3 | 286.3 | 281.5 | 269.9 | 261.3 | 245.8 | 221.8 |
| 52.5° | 255.5 | 260.3 | 261.3 | 259.4 | 255.5 | 254.5 | 251.6 | 241.0 | 234.3 | 223.6 | 200.5 |
| 55° | 226.6 | 230.4 | 230.4 | 230.4 | 225.6 | 224.6 | 222.7 | 214.0 | 210.2 | 201.5 | 182.2 |
| 57.5° | 200.5 | 203.4 | 202.4 | 201.5 | 199.6 | 197.6 | 195.7 | 189.0 | 187.1 | 181.3 | 164.9 |
| 60° | 174.5 | 177.4 | 176.5 | 175.5 | 173.5 | 171.6 | 169.6 | 164.9 | 164.9 | 161.0 | 147.5 |
| 62.5° | 149.4 | 151.3 | 150.4 | 149.4 | 149.4 | 147.5 | 146.5 | 142.7 | 143.7 | 141.7 | 130.1 |
| 65° | 121.5 | 124.3 | 123.4 | 123.4 | 124.3 | 124.3 | 123.4 | 121.5 | 121.5 | 120.5 | 110.9 |
| 67.5° | 92.6 | 95.4 | 94.5 | 95.4 | 98.4 | 99.3 | 99.3 | 98.4 | 98.4 | 96.4 | 87.8 |
| 70° | 65.6 | 67.5 | 67.5 | 68.4 | 71.4 | 72.3 | 75.2 | 72.3 | 72.3 | 70.4 | 63.6 |
| 72.5° | 43.4 | 44.4 | 45.3 | 47.2 | 48.2 | 49.2 | 51.1 | 51.1 | 50.1 | 47.2 | 42.5 |
| 75° | 27.0 | 28.0 | 28.0 | 28.9 | 29.8 | 30.9 | 32.8 | 31.8 | 30.9 | 29.8 | 26.1 |
| 77.5° | 16.4 | 16.4 | 17.3 | 17.3 | 18.3 | 19.2 | 19.2 | 19.2 | 18.3 | 17.3 | 15.4 |
| 80° | 9.7 | 9.7 | 9.7 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 9.7 | 8.7 |
| 82.5° | 4.8 | 4.8 | 4.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 4.8 | 4.8 |
| 85° | 1.9 | 1.9 | 1.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 |
| 2.5° | 1369.0 | 1369.0 | 1366.1 | 1383.4 | 1405.6 | 1401.8 | 1402.7 | 1419.1 | 1425.9 | 1437.4 | 1448.0 |
| 5° | 1306.3 | 1316.9 | 1324.6 | 1352.6 | 1384.4 | 1390.2 | 1400.7 | 1425.9 | 1441.3 | 1460.5 | 1478.8 |
| 7.5° | 1243.6 | 1265.8 | 1284.2 | 1320.8 | 1362.3 | 1377.6 | 1397.0 | 1428.7 | 1449.0 | 1475.0 | 1500.1 |
| 10° | 1179.1 | 1209.9 | 1236.9 | 1281.2 | 1329.5 | 1351.7 | 1375.7 | 1411.4 | 1438.4 | 1466.3 | 1494.3 |
| 12.5° | 1114.5 | 1152.1 | 1185.8 | 1235.0 | 1286.1 | 1313.1 | 1340.1 | 1377.6 | 1406.6 | 1435.5 | 1464.4 |
| 15° | 1050.9 | 1091.3 | 1127.0 | 1179.1 | 1231.1 | 1259.1 | 1286.1 | 1323.7 | 1354.5 | 1381.5 | 1410.4 |
| 17.5° | 980.5 | 1025.8 | 1058.5 | 1107.7 | 1157.9 | 1185.8 | 1215.7 | 1250.3 | 1277.4 | 1300.5 | 1328.5 |
| 20° | 912.0 | 954.4 | 984.3 | 1029.6 | 1074.9 | 1101.0 | 1129.0 | 1159.8 | 1183.9 | 1204.1 | 1230.2 |
| 22.5° | 845.5 | 883.1 | 911.1 | 952.5 | 987.2 | 1009.4 | 1033.5 | 1060.4 | 1081.7 | 1098.1 | 1121.2 |
| 25° | 780.9 | 810.8 | 832.0 | 864.7 | 892.7 | 910.0 | 930.3 | 952.5 | 970.8 | 984.3 | 1005.5 |
| 27.5° | 716.3 | 736.5 | 744.3 | 764.5 | 781.8 | 801.2 | 811.8 | 829.1 | 845.5 | 856.1 | 874.4 |
| 30° | 642.0 | 648.8 | 642.0 | 647.8 | 652.7 | 661.4 | 673.9 | 694.2 | 701.8 | 708.6 | 726.9 |
| 32.5° | 549.6 | 544.7 | 522.5 | 513.8 | 508.0 | 516.8 | 518.7 | 534.1 | 538.9 | 544.7 | 559.1 |
| 35° | 452.1 | 434.8 | 399.2 | 377.0 | 363.4 | 364.4 | 355.8 | 372.1 | 375.0 | 380.8 | 391.4 |
| 37.5° | 369.2 | 341.3 | 295.0 | 264.1 | 243.9 | 239.1 | 228.5 | 238.1 | 239.1 | 243.0 | 250.7 |
| 40° | 308.5 | 268.9 | 216.9 | 180.2 | 158.1 | 148.5 | 137.9 | 141.7 | 141.7 | 144.6 | 149.4 |
| 42.5° | 266.1 | 223.6 | 164.9 | 125.3 | 101.2 | 89.6 | 81.0 | 81.0 | 81.0 | 82.0 | 84.8 |
| 45° | 234.3 | 187.1 | 128.2 | 87.8 | 65.6 | 54.0 | 45.3 | 45.3 | 44.4 | 44.4 | 46.2 |
| 47.5° | 208.2 | 161.0 | 101.2 | 64.6 | 42.5 | 31.8 | 26.1 | 24.1 | 23.1 | 24.1 | 25.1 |
| 50° | 187.1 | 140.7 | 83.9 | 49.2 | 29.8 | 21.2 | 16.4 | 14.5 | 13.5 | 13.5 | 13.5 |
| 52.5° | 168.7 | 124.3 | 70.4 | 39.5 | 23.1 | 15.4 | 11.6 | 9.7 | 8.7 | 8.7 | 8.7 |
| 55° | 153.3 | 109.9 | 60.7 | 32.8 | 19.2 | 13.5 | 9.7 | 7.7 | 6.7 | 6.7 | 6.7 |
| 57.5° | 137.9 | 97.3 | 52.0 | 28.0 | 16.4 | 11.6 | 8.7 | 6.7 | 5.8 | 5.8 | 5.8 |
| 60° | 122.4 | 84.8 | 45.3 | 23.1 | 13.5 | 9.7 | 7.7 | 5.8 | 4.8 | 4.8 | 4.8 |
| 62.5° | 107.0 | 72.3 | 37.6 | 19.2 | 11.6 | 8.7 | 5.8 | 4.8 | 4.8 | 3.9 | 3.9 |
| 65° | 88.7 | 58.9 | 30.9 | 16.4 | 9.7 | 6.7 | 5.8 | 3.9 | 3.9 | 3.9 | 3.9 |
| 67.5° | 69.4 | 45.3 | 23.1 | 12.5 | 7.7 | 5.8 | 4.8 | 3.9 | 2.9 | 2.9 | 2.9 |
| 70° | 49.2 | 31.8 | 17.3 | 9.7 | 6.7 | 4.8 | 3.9 | 2.9 | 2.9 | 2.9 | 1.9 |
| 72.5° | 32.8 | 21.2 | 12.5 | 7.7 | 5.8 | 3.9 | 2.9 | 2.9 | 1.9 | 1.9 | 1.9 |
| 75° | 21.2 | 13.5 | 8.7 | 5.8 | 3.9 | 3.9 | 2.9 | 1.9 | 1.9 | 1.9 | 0.9 |
| 77.5° | 12.5 | 8.7 | 5.8 | 3.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.9 | 1.9 | 0.9 |
| 80° | 6.7 | 4.8 | 3.9 | 2.9 | 1.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.9 | 0.9 |
| 82.5° | 3.9 | 2.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.9 | 2.9 | 1.9 | 0.9 |
| 85° | 1.9 | 1.9 | 0.9 | 0.9 | 0.9 | 1.9 | 1.9 | 1.9 | 1.9 | 0.9 | 0.9 |
| 87.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.9 | 1.9 | 0.9 | 0.9 |
| 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: P135557

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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 | 1424.0 |
| 2.5° | 1456.7 | 1462.5 | 1464.4 | 1467.3 | 1483.7 | 1479.9 | 1494.3 | 1494.3 | 1505.8 | 1499.1 | 1505.8 |
| 5° | 1494.3 | 1506.8 | 1512.7 | 1520.3 | 1543.5 | 1543.5 | 1560.8 | 1563.7 | 1579.1 | 1574.4 | 1581.1 |
| 7.5° | 1518.4 | 1533.8 | 1541.6 | 1554.1 | 1579.1 | 1583.0 | 1599.4 | 1604.2 | 1622.5 | 1619.7 | 1623.4 |
| 10° | 1513.6 | 1530.0 | 1539.6 | 1553.1 | 1579.1 | 1584.9 | 1599.4 | 1608.1 | 1625.4 | 1621.5 | 1623.4 |
| 12.5° | 1483.7 | 1499.1 | 1509.7 | 1522.2 | 1549.2 | 1556.0 | 1568.6 | 1578.1 | 1594.5 | 1591.7 | 1591.7 |
| 15° | 1427.8 | 1445.1 | 1453.8 | 1464.4 | 1490.5 | 1498.2 | 1507.8 | 1515.5 | 1533.8 | 1531.9 | 1529.0 |
| 17.5° | 1343.9 | 1360.3 | 1367.0 | 1375.7 | 1400.7 | 1409.5 | 1417.1 | 1422.9 | 1440.4 | 1439.3 | 1434.5 |
| 20° | 1241.7 | 1256.2 | 1262.0 | 1267.8 | 1290.0 | 1298.6 | 1304.4 | 1310.1 | 1324.6 | 1324.6 | 1317.9 |
| 22.5° | 1129.9 | 1142.4 | 1146.3 | 1151.1 | 1170.4 | 1179.1 | 1181.9 | 1186.8 | 1200.2 | 1200.2 | 1191.6 |
| 25° | 1011.4 | 1021.9 | 1023.9 | 1027.7 | 1044.0 | 1051.8 | 1052.8 | 1055.7 | 1069.2 | 1069.2 | 1060.4 |
| 27.5° | 878.3 | 886.9 | 888.9 | 890.8 | 905.3 | 913.0 | 912.0 | 922.6 | 926.4 | 928.4 | 917.8 |
| 30° | 728.8 | 743.3 | 735.6 | 744.3 | 749.0 | 756.8 | 753.9 | 764.5 | 767.4 | 770.3 | 756.8 |
| 32.5° | 561.1 | 574.6 | 565.9 | 574.6 | 576.5 | 584.2 | 580.3 | 590.0 | 591.9 | 594.9 | 582.3 |
| 35° | 393.4 | 404.0 | 396.2 | 399.2 | 405.9 | 413.6 | 408.7 | 417.4 | 419.3 | 420.3 | 410.7 |
| 37.5° | 252.6 | 260.3 | 262.2 | 265.2 | 265.2 | 270.9 | 272.8 | 272.8 | 273.8 | 274.7 | 267.1 |
| 40° | 151.3 | 157.1 | 158.1 | 157.1 | 160.1 | 164.9 | 165.8 | 164.9 | 165.8 | 166.8 | 162.0 |
| 42.5° | 85.8 | 89.6 | 90.6 | 90.6 | 92.6 | 95.4 | 95.4 | 94.5 | 95.4 | 95.4 | 92.6 |
| 45° | 47.2 | 49.2 | 50.1 | 49.2 | 50.1 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 51.1 |
| 47.5° | 25.1 | 26.1 | 26.1 | 27.0 | 26.1 | 27.0 | 27.0 | 27.0 | 28.0 | 28.0 | 27.0 |
| 50° | 13.5 | 14.5 | 14.5 | 14.5 | 14.5 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.5 |
| 52.5° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 55° | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 57.5° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 60° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 62.5° | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 65° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 67.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 70° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 72.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 75° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 80° | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P135557

CATALOG NUMBER: LD6A15D010TE ERM6A15930 6LM111LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1424.0 | 1424.0 | 1424.0 | 1424.0 |
| 2.5° | 1508.8 | 1513.6 | 1506.8 | 1496.3 |
| 5° | 1585.9 | 1591.7 | 1584.9 | 1575.3 |
| 7.5° | 1628.3 | 1637.0 | 1629.2 | 1622.5 |
| 10° | 1630.3 | 1638.9 | 1630.3 | 1626.4 |
| 12.5° | 1598.4 | 1607.1 | 1597.5 | 1595.5 |
| 15° | 1537.7 | 1544.4 | 1534.8 | 1535.8 |
| 17.5° | 1444.1 | 1449.9 | 1440.4 | 1443.2 |
| 20° | 1326.5 | 1332.3 | 1322.7 | 1328.5 |
| 22.5° | 1200.2 | 1204.1 | 1202.2 | 1201.3 |
| 25° | 1068.2 | 1071.0 | 1062.4 | 1068.2 |
| 27.5° | 923.6 | 925.5 | 926.4 | 925.5 |
| 30° | 763.5 | 764.5 | 758.7 | 768.4 |
| 32.5° | 588.1 | 587.1 | 585.2 | 593.9 |
| 35° | 413.6 | 413.6 | 413.6 | 421.3 |
| 37.5° | 268.9 | 268.0 | 268.9 | 274.7 |
| 40° | 162.9 | 162.0 | 162.9 | 166.8 |
| 42.5° | 92.6 | 92.6 | 93.5 | 95.4 |
| 45° | 52.0 | 51.1 | 51.1 | 52.0 |
| 47.5° | 28.0 | 28.0 | 27.0 | 28.0 |
| 50° | 15.4 | 15.4 | 14.5 | 15.4 |
| 52.5° | 8.7 | 8.7 | 8.7 | 8.7 |
| 55° | 6.7 | 6.7 | 6.7 | 6.7 |
| 57.5° | 5.8 | 5.8 | 5.8 | 5.8 |
| 60° | 4.8 | 4.8 | 4.8 | 4.8 |
| 62.5° | 3.9 | 3.9 | 3.9 | 3.9 |
| 65° | 2.9 | 3.9 | 2.9 | 2.9 |
| 67.5° | 2.9 | 2.9 | 2.9 | 2.9 |
| 70° | 1.9 | 1.9 | 1.9 | 1.9 |
| 72.5° | 1.9 | 1.9 | 1.9 | 1.9 |
| 75° | 0.9 | 0.9 | 0.9 | 0.9 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





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













(END OF REPORT)