

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: P136519

Luminaire Tested: **LD6A15D010TE ERW6A15940 6LW121LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23360)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A15D010TE ERW6A15940 6LW121LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOUBLE WALL WASH LUMINAIRE
SPECULAR CLEAR TRIM AND SPECULAR CLEAR KICKER
Light Source: (1) HIGH LUMEN LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1634.8 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.24 / 1.14
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

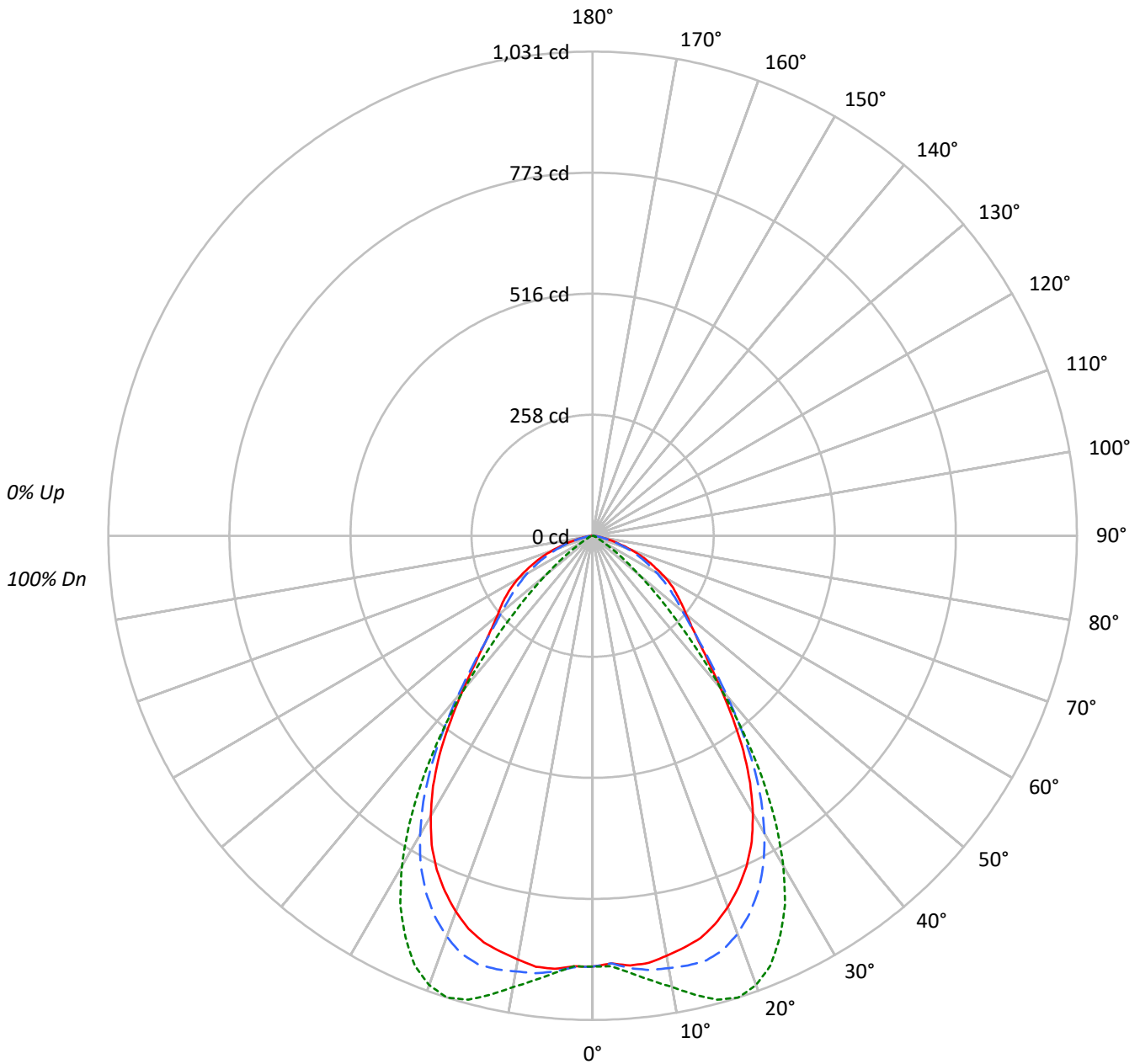
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P136519

CATALOG NUMBER: LD6A15D010TE ERW6A15940 6LW121LI

Luminous Intensity Polar Plot





TEST NUMBER: P136519

CATALOG NUMBER: LD6A15D010TE ERW6A15940 6LW121LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 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 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | | | | 89 |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | 79 |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 77 | 71 | 66 | 74 | 69 | 65 | 72 | 68 | 65 | 63 | | | | 63 |
| 5 | 84 | 73 | 66 | 60 | 82 | 72 | 65 | 60 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 58 | 56 | | | | 56 |
| 6 | 78 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 57 | 53 | 62 | 57 | 53 | 51 | | | | 51 |
| 7 | 73 | 62 | 54 | 49 | 72 | 61 | 54 | 49 | 60 | 53 | 49 | 58 | 53 | 48 | 57 | 52 | 48 | 46 | | | | 46 |
| 8 | 69 | 57 | 50 | 45 | 68 | 57 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 42 | | | | 42 |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | 39 |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 37 | 46 | 41 | 37 | 36 | | | | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 59852 | 59852 | 59852 |
| 5° | 60152 | 61226 | 60617 |
| 10° | 60152 | 64651 | 60696 |
| 15° | 59903 | 69075 | 60538 |
| 20° | 58409 | 70677 | 59138 |
| 25° | 55846 | 67889 | 56523 |
| 30° | 51392 | 61171 | 51920 |
| 35° | 44545 | 50136 | 45198 |
| 40° | 36076 | 36076 | 36579 |
| 45° | 29469 | 22882 | 30014 |
| 50° | 26359 | 13073 | 26836 |
| 55° | 24887 | 6654 | 25683 |
| 60° | 23356 | 2897 | 23969 |
| 65° | 20423 | 1621 | 21134 |
| 70° | 16519 | 1335 | 17187 |
| 75° | 11494 | 882 | 11797 |
| 80° | 7026 | 451 | 7026 |
| 85° | 3518 | 898 | 3518 |



TEST NUMBER: P136519

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.2 | 5.5 |
| 10°-20° | 267.4 | 16.4 |
| 20°-30° | 389.0 | 23.8 |
| 30°-40° | 369.7 | 22.6 |
| 40°-50° | 239.5 | 14.7 |
| 50°-60° | 150.2 | 9.2 |
| 60°-70° | 89.9 | 5.5 |
| 70°-80° | 35.0 | 2.1 |
| 80°-90° | 4.8 | 0.3 |
| 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° | 745.6 | 45.6 |
| 0°-40° | 1115.3 | 68.2 |
| 0°-60° | 1505.1 | 92.1 |
| 0°-90° | 1634.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1634.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 917 | 917 | 917 | 917 | 917 | |
| 5° | 918 | 924 | 935 | 931 | 926 | 87 |
| 15° | 887 | 936 | 1023 | 944 | 896 | 249 |
| 25° | 776 | 834 | 943 | 839 | 785 | 355 |
| 35° | 559 | 597 | 630 | 599 | 568 | 346 |
| 45° | 319 | 324 | 248 | 325 | 325 | 252 |
| 55° | 219 | 201 | 58 | 204 | 226 | 196 |
| 65° | 132 | 116 | 10 | 118 | 137 | 131 |
| 75° | 46 | 40 | 4 | 41 | 47 | 51 |
| 85° | 5 | 5 | 1 | 5 | 5 | 7 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P136519

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 |
| 2.5° | 911.5 | 905.7 | 922.0 | 912.7 | 913.8 | 925.6 | 916.2 | 912.7 | 924.4 | 911.5 | 917.4 |
| 5° | 918.5 | 913.8 | 930.2 | 922.0 | 923.2 | 934.9 | 926.7 | 923.2 | 936.1 | 924.4 | 930.2 |
| 7.5° | 917.4 | 913.8 | 929.1 | 922.0 | 923.2 | 937.3 | 929.1 | 927.9 | 943.1 | 932.6 | 940.8 |
| 10° | 908.0 | 903.3 | 919.7 | 913.8 | 916.2 | 931.4 | 924.4 | 924.4 | 941.9 | 934.9 | 946.6 |
| 12.5° | 898.6 | 894.0 | 910.3 | 905.7 | 908.0 | 924.4 | 919.7 | 922.0 | 941.9 | 937.3 | 952.5 |
| 15° | 886.9 | 882.2 | 899.8 | 895.1 | 897.5 | 915.0 | 912.7 | 915.0 | 937.3 | 936.1 | 953.6 |
| 17.5° | 867.0 | 864.7 | 879.9 | 877.6 | 879.9 | 897.5 | 896.3 | 899.8 | 924.4 | 924.4 | 946.6 |
| 20° | 841.3 | 837.8 | 854.2 | 851.8 | 853.0 | 870.5 | 870.5 | 874.1 | 899.8 | 902.1 | 924.4 |
| 22.5° | 810.8 | 808.5 | 824.9 | 821.4 | 823.7 | 840.1 | 840.1 | 843.6 | 868.2 | 871.7 | 895.1 |
| 25° | 775.8 | 773.5 | 788.7 | 787.5 | 788.7 | 805.0 | 803.8 | 808.5 | 831.9 | 834.3 | 856.5 |
| 27.5° | 733.7 | 730.2 | 745.4 | 745.4 | 746.6 | 761.8 | 761.8 | 764.1 | 785.2 | 787.5 | 808.5 |
| 30° | 682.2 | 678.7 | 692.7 | 693.9 | 693.9 | 709.1 | 709.1 | 710.3 | 730.2 | 731.4 | 750.1 |
| 32.5° | 623.7 | 623.7 | 634.2 | 635.4 | 635.4 | 649.4 | 650.6 | 650.6 | 668.1 | 668.1 | 683.4 |
| 35° | 559.3 | 560.5 | 568.7 | 569.8 | 571.0 | 583.9 | 583.9 | 582.7 | 597.9 | 596.7 | 609.6 |
| 37.5° | 490.2 | 490.2 | 498.4 | 499.6 | 499.6 | 511.3 | 511.3 | 510.1 | 523.0 | 519.5 | 528.9 |
| 40° | 423.6 | 423.6 | 430.6 | 433.0 | 431.8 | 441.2 | 441.2 | 440.0 | 449.4 | 444.7 | 449.4 |
| 42.5° | 365.1 | 367.4 | 372.1 | 373.3 | 372.1 | 380.3 | 379.1 | 378.0 | 385.0 | 378.0 | 379.1 |
| 45° | 319.4 | 321.8 | 325.3 | 326.5 | 325.3 | 331.1 | 330.0 | 327.6 | 331.1 | 324.1 | 320.6 |
| 47.5° | 285.5 | 286.7 | 292.5 | 291.4 | 290.2 | 294.9 | 294.9 | 290.2 | 291.4 | 282.0 | 275.0 |
| 50° | 259.7 | 260.9 | 265.6 | 265.6 | 263.3 | 267.9 | 265.6 | 260.9 | 259.7 | 249.2 | 238.7 |
| 52.5° | 238.7 | 239.8 | 244.5 | 244.5 | 242.2 | 245.7 | 243.4 | 236.3 | 235.2 | 224.6 | 211.8 |
| 55° | 218.8 | 220.0 | 224.6 | 224.6 | 222.3 | 224.6 | 221.1 | 215.3 | 212.9 | 201.2 | 187.2 |
| 57.5° | 201.2 | 200.1 | 203.6 | 203.6 | 201.2 | 202.4 | 200.1 | 194.2 | 189.5 | 179.0 | 165.0 |
| 60° | 179.0 | 177.8 | 180.2 | 180.2 | 177.8 | 179.0 | 176.6 | 169.6 | 167.3 | 156.8 | 142.8 |
| 62.5° | 154.5 | 154.5 | 156.8 | 156.8 | 154.5 | 154.5 | 153.3 | 146.3 | 144.0 | 134.6 | 122.9 |
| 65° | 132.3 | 132.3 | 134.6 | 134.6 | 132.3 | 133.4 | 131.1 | 126.4 | 124.1 | 115.9 | 105.3 |
| 67.5° | 110.0 | 110.0 | 111.2 | 111.2 | 110.0 | 110.0 | 108.9 | 105.3 | 101.8 | 96.0 | 86.6 |
| 70° | 86.6 | 86.6 | 87.8 | 87.8 | 86.6 | 86.6 | 86.6 | 83.1 | 81.9 | 76.1 | 69.1 |
| 72.5° | 64.4 | 64.4 | 65.5 | 65.5 | 65.5 | 66.7 | 65.5 | 63.2 | 60.9 | 57.4 | 51.5 |
| 75° | 45.6 | 45.6 | 45.6 | 46.8 | 45.6 | 45.6 | 46.8 | 44.5 | 43.3 | 39.8 | 36.3 |
| 77.5° | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 31.6 | 30.4 | 30.4 | 29.3 | 26.9 | 24.6 |
| 80° | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 18.7 | 17.6 | 17.6 | 15.2 |
| 82.5° | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 9.4 | 8.2 |
| 85° | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 3.5 |
| 87.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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: P136519

CATALOG NUMBER: LD6A15D010TE ERW6A15940 6LW121LI

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 |
| 2.5° | 916.2 | 917.4 | 917.4 | 920.9 | 924.4 | 915.0 | 919.7 | 917.4 | 915.0 | 924.4 | 918.5 |
| 5° | 931.4 | 932.6 | 932.6 | 937.3 | 941.9 | 931.4 | 936.1 | 934.9 | 932.6 | 940.8 | 934.9 |
| 7.5° | 943.1 | 946.6 | 949.0 | 954.8 | 960.7 | 951.3 | 957.2 | 954.8 | 953.6 | 961.8 | 953.6 |
| 10° | 951.3 | 958.3 | 961.8 | 971.2 | 979.4 | 970.0 | 978.2 | 975.9 | 974.7 | 981.7 | 972.4 |
| 12.5° | 960.7 | 970.0 | 979.4 | 989.9 | 1001.6 | 993.4 | 1004.0 | 1000.5 | 1000.5 | 1006.3 | 994.6 |
| 15° | 966.5 | 978.2 | 991.1 | 1006.3 | 1020.4 | 1014.5 | 1026.2 | 1022.7 | 1022.7 | 1027.4 | 1014.5 |
| 17.5° | 960.7 | 975.9 | 991.1 | 1008.7 | 1025.0 | 1021.5 | 1034.4 | 1030.9 | 1029.7 | 1034.4 | 1019.2 |
| 20° | 940.8 | 958.3 | 975.9 | 993.4 | 1012.2 | 1009.8 | 1023.9 | 1018.0 | 1019.2 | 1021.5 | 1006.3 |
| 22.5° | 909.2 | 927.9 | 945.5 | 964.2 | 981.7 | 980.6 | 993.4 | 989.9 | 988.8 | 992.3 | 975.9 |
| 25° | 871.7 | 888.1 | 904.5 | 920.9 | 938.4 | 936.1 | 949.0 | 943.1 | 944.3 | 945.5 | 931.4 |
| 27.5° | 821.4 | 836.6 | 849.5 | 863.5 | 879.9 | 876.4 | 889.3 | 886.9 | 883.4 | 884.6 | 872.9 |
| 30° | 759.4 | 772.3 | 781.7 | 793.3 | 806.2 | 802.7 | 814.4 | 812.0 | 809.7 | 809.7 | 802.7 |
| 32.5° | 689.2 | 698.6 | 704.4 | 712.6 | 722.0 | 718.5 | 727.8 | 725.5 | 723.2 | 723.2 | 718.5 |
| 35° | 610.8 | 616.6 | 616.6 | 621.3 | 628.4 | 622.5 | 630.7 | 629.5 | 626.0 | 627.2 | 626.0 |
| 37.5° | 525.3 | 527.7 | 523.0 | 523.0 | 527.7 | 519.5 | 526.5 | 526.5 | 523.0 | 524.2 | 524.2 |
| 40° | 442.3 | 441.2 | 431.8 | 427.1 | 427.1 | 418.9 | 424.8 | 423.6 | 421.3 | 422.4 | 424.8 |
| 42.5° | 368.6 | 361.6 | 348.7 | 339.3 | 337.0 | 327.6 | 331.1 | 330.0 | 327.6 | 330.0 | 333.5 |
| 45° | 306.6 | 293.7 | 276.1 | 263.3 | 257.4 | 248.0 | 249.2 | 248.0 | 246.9 | 249.2 | 255.1 |
| 47.5° | 257.4 | 239.8 | 217.6 | 201.2 | 193.0 | 182.5 | 182.5 | 181.3 | 181.3 | 187.2 | 190.7 |
| 50° | 218.8 | 197.7 | 172.0 | 153.3 | 141.6 | 132.3 | 129.9 | 128.8 | 129.9 | 134.6 | 141.6 |
| 52.5° | 189.5 | 163.8 | 135.8 | 115.9 | 103.0 | 92.5 | 90.1 | 89.0 | 90.1 | 94.8 | 101.8 |
| 55° | 163.8 | 136.9 | 107.7 | 85.4 | 71.4 | 62.0 | 58.5 | 58.5 | 58.5 | 64.4 | 71.4 |
| 57.5° | 140.5 | 113.5 | 84.3 | 62.0 | 49.2 | 39.8 | 36.3 | 35.1 | 37.5 | 41.0 | 48.0 |
| 60° | 120.6 | 94.8 | 66.7 | 46.8 | 33.9 | 25.8 | 22.2 | 22.2 | 22.2 | 26.9 | 33.9 |
| 62.5° | 103.0 | 79.6 | 53.8 | 35.1 | 24.6 | 17.6 | 14.0 | 14.0 | 15.2 | 17.6 | 24.6 |
| 65° | 87.8 | 67.9 | 45.6 | 30.4 | 19.9 | 14.0 | 11.7 | 10.5 | 11.7 | 14.0 | 19.9 |
| 67.5° | 72.6 | 56.2 | 38.6 | 25.8 | 17.6 | 11.7 | 10.5 | 9.4 | 9.4 | 12.9 | 16.4 |
| 70° | 57.4 | 44.5 | 31.6 | 21.1 | 14.0 | 9.4 | 8.2 | 7.0 | 8.2 | 10.5 | 14.0 |
| 72.5° | 43.3 | 33.9 | 23.4 | 16.4 | 10.5 | 8.2 | 5.9 | 5.9 | 5.9 | 8.2 | 10.5 |
| 75° | 30.4 | 24.6 | 17.6 | 11.7 | 7.0 | 4.7 | 4.7 | 3.5 | 4.7 | 5.9 | 7.0 |
| 77.5° | 19.9 | 16.4 | 11.7 | 7.0 | 4.7 | 3.5 | 2.3 | 2.3 | 2.3 | 3.5 | 4.7 |
| 80° | 12.9 | 10.5 | 7.0 | 4.7 | 3.5 | 2.3 | 1.2 | 1.2 | 1.2 | 2.3 | 2.3 |
| 82.5° | 7.0 | 5.9 | 3.5 | 2.3 | 2.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 3.5 | 2.3 | 2.3 | 1.2 | 1.2 | 1.2 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 |
| 87.5° | 1.2 | 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: P136519

CATALOG NUMBER: LD6A15D010TE ERW6A15940 6LW121LI

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 | 917.4 |
| 2.5° | 919.7 | 916.2 | 920.9 | 924.4 | 923.2 | 919.7 | 925.6 | 916.2 | 919.7 | 916.2 | 910.3 |
| 5° | 936.1 | 932.6 | 936.1 | 938.4 | 937.3 | 931.4 | 936.1 | 927.9 | 930.2 | 925.6 | 919.7 |
| 7.5° | 953.6 | 949.0 | 950.1 | 951.3 | 947.8 | 939.6 | 943.1 | 932.6 | 933.7 | 927.9 | 920.9 |
| 10° | 970.0 | 963.0 | 961.8 | 959.5 | 952.5 | 941.9 | 943.1 | 930.2 | 929.1 | 920.9 | 912.7 |
| 12.5° | 991.1 | 979.4 | 974.7 | 970.0 | 959.5 | 945.5 | 943.1 | 927.9 | 925.6 | 916.2 | 906.8 |
| 15° | 1006.3 | 993.4 | 985.2 | 975.9 | 961.8 | 944.3 | 939.6 | 922.0 | 917.4 | 906.8 | 897.5 |
| 17.5° | 1009.8 | 993.4 | 981.7 | 970.0 | 953.6 | 932.6 | 925.6 | 906.8 | 901.0 | 889.3 | 879.9 |
| 20° | 994.6 | 977.1 | 964.2 | 949.0 | 932.6 | 908.0 | 901.0 | 881.1 | 874.1 | 863.5 | 854.2 |
| 22.5° | 965.4 | 945.5 | 932.6 | 917.4 | 901.0 | 877.6 | 869.4 | 850.6 | 843.6 | 833.1 | 823.7 |
| 25° | 923.2 | 904.5 | 891.6 | 877.6 | 862.3 | 838.9 | 831.9 | 814.4 | 808.5 | 798.0 | 788.7 |
| 27.5° | 864.7 | 847.1 | 840.1 | 826.1 | 812.0 | 792.2 | 785.2 | 770.0 | 764.1 | 757.1 | 746.6 |
| 30° | 794.5 | 779.3 | 775.8 | 763.0 | 752.4 | 734.9 | 729.0 | 716.1 | 710.3 | 704.4 | 695.1 |
| 32.5° | 713.8 | 702.1 | 702.1 | 691.6 | 684.5 | 670.5 | 665.8 | 655.3 | 650.6 | 645.9 | 637.7 |
| 35° | 622.5 | 614.3 | 619.0 | 612.0 | 608.5 | 599.1 | 595.6 | 587.4 | 583.9 | 580.4 | 572.2 |
| 37.5° | 525.3 | 519.5 | 528.9 | 530.0 | 530.0 | 521.8 | 519.5 | 514.8 | 512.5 | 509.0 | 501.9 |
| 40° | 429.5 | 428.3 | 442.3 | 444.7 | 451.7 | 447.0 | 448.2 | 444.7 | 442.3 | 440.0 | 435.3 |
| 42.5° | 340.5 | 345.2 | 362.8 | 373.3 | 380.3 | 380.3 | 383.8 | 382.6 | 381.5 | 379.1 | 375.6 |
| 45° | 264.4 | 273.8 | 294.9 | 307.7 | 321.8 | 325.3 | 331.1 | 331.1 | 332.3 | 331.1 | 327.6 |
| 47.5° | 202.4 | 216.4 | 241.0 | 260.9 | 276.1 | 283.2 | 291.4 | 293.7 | 294.9 | 294.9 | 292.5 |
| 50° | 153.3 | 170.8 | 198.9 | 221.1 | 242.2 | 251.6 | 260.9 | 264.4 | 269.1 | 267.9 | 265.6 |
| 52.5° | 115.9 | 135.8 | 166.1 | 193.0 | 215.3 | 225.8 | 236.3 | 241.0 | 245.7 | 245.7 | 244.5 |
| 55° | 85.4 | 106.5 | 139.3 | 167.3 | 190.7 | 203.6 | 214.1 | 218.8 | 224.6 | 225.8 | 224.6 |
| 57.5° | 62.0 | 83.1 | 114.7 | 145.1 | 167.3 | 181.3 | 191.9 | 196.5 | 202.4 | 203.6 | 203.6 |
| 60° | 45.6 | 66.7 | 97.2 | 125.2 | 146.3 | 160.3 | 168.5 | 174.3 | 179.0 | 181.3 | 181.3 |
| 62.5° | 35.1 | 53.8 | 81.9 | 107.7 | 126.4 | 138.1 | 146.3 | 151.0 | 155.6 | 156.8 | 158.0 |
| 65° | 29.3 | 45.6 | 69.1 | 91.3 | 107.7 | 118.2 | 125.2 | 129.9 | 133.4 | 134.6 | 134.6 |
| 67.5° | 24.6 | 38.6 | 57.4 | 74.9 | 89.0 | 97.2 | 103.0 | 106.5 | 110.0 | 111.2 | 111.2 |
| 70° | 19.9 | 30.4 | 45.6 | 59.7 | 70.2 | 77.3 | 81.9 | 85.4 | 87.8 | 87.8 | 87.8 |
| 72.5° | 15.2 | 23.4 | 33.9 | 44.5 | 52.7 | 58.5 | 62.0 | 63.2 | 65.5 | 65.5 | 65.5 |
| 75° | 10.5 | 16.4 | 24.6 | 31.6 | 36.3 | 41.0 | 43.3 | 44.5 | 45.6 | 46.8 | 45.6 |
| 77.5° | 7.0 | 10.5 | 15.2 | 19.9 | 24.6 | 26.9 | 28.1 | 29.3 | 30.4 | 30.4 | 30.4 |
| 80° | 4.7 | 7.0 | 9.4 | 12.9 | 15.2 | 16.4 | 17.6 | 17.6 | 18.7 | 18.7 | 18.7 |
| 82.5° | 2.3 | 3.5 | 5.9 | 7.0 | 8.2 | 9.4 | 9.4 | 9.4 | 10.5 | 10.5 | 9.4 |
| 85° | 1.2 | 1.2 | 2.3 | 3.5 | 3.5 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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: P136519

CATALOG NUMBER: LD6A15D010TE ERW6A15940 6LW121LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 917.4 | 917.4 | 917.4 | 917.4 |
| 2.5° | 912.7 | 915.0 | 905.7 | 917.4 |
| 5° | 920.9 | 923.2 | 913.8 | 925.6 |
| 7.5° | 922.0 | 923.2 | 913.8 | 925.6 |
| 10° | 913.8 | 913.8 | 904.5 | 916.2 |
| 12.5° | 906.8 | 905.7 | 895.1 | 906.8 |
| 15° | 896.3 | 895.1 | 884.6 | 896.3 |
| 17.5° | 878.7 | 877.6 | 867.0 | 877.6 |
| 20° | 851.8 | 850.6 | 841.3 | 851.8 |
| 22.5° | 822.6 | 820.2 | 810.8 | 820.2 |
| 25° | 788.7 | 786.3 | 777.0 | 785.2 |
| 27.5° | 745.4 | 743.1 | 733.7 | 741.9 |
| 30° | 693.9 | 690.4 | 683.4 | 689.2 |
| 32.5° | 635.4 | 633.0 | 624.8 | 631.9 |
| 35° | 571.0 | 567.5 | 561.6 | 567.5 |
| 37.5° | 500.8 | 498.4 | 492.6 | 496.1 |
| 40° | 433.0 | 431.8 | 427.1 | 429.5 |
| 42.5° | 374.5 | 372.1 | 368.6 | 370.9 |
| 45° | 327.6 | 326.5 | 323.0 | 325.3 |
| 47.5° | 292.5 | 291.4 | 287.8 | 290.2 |
| 50° | 266.8 | 265.6 | 263.3 | 264.4 |
| 52.5° | 245.7 | 244.5 | 242.2 | 245.7 |
| 55° | 227.0 | 225.8 | 222.3 | 225.8 |
| 57.5° | 205.9 | 204.7 | 201.2 | 205.9 |
| 60° | 182.5 | 182.5 | 179.0 | 183.7 |
| 62.5° | 159.1 | 159.1 | 156.8 | 160.3 |
| 65° | 136.9 | 135.8 | 134.6 | 136.9 |
| 67.5° | 112.4 | 111.2 | 111.2 | 113.5 |
| 70° | 89.0 | 87.8 | 87.8 | 90.1 |
| 72.5° | 66.7 | 65.5 | 65.5 | 66.7 |
| 75° | 46.8 | 45.6 | 45.6 | 46.8 |
| 77.5° | 30.4 | 30.4 | 30.4 | 30.4 |
| 80° | 18.7 | 18.7 | 18.7 | 18.7 |
| 82.5° | 10.5 | 10.5 | 9.4 | 10.5 |
| 85° | 4.7 | 4.7 | 4.7 | 4.7 |
| 87.5° | 1.2 | 1.2 | 1.2 | 1.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





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













(END OF REPORT)