

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: P136277

Luminaire Tested: **LD6A15D010TE ERW6A15930 6LW111LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23359-R2)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A15D010TE ERW6A15930 6LW111LI
Description: PORTFOLIO 6 INCH 60 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: 1437.6 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.19 / 1.1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

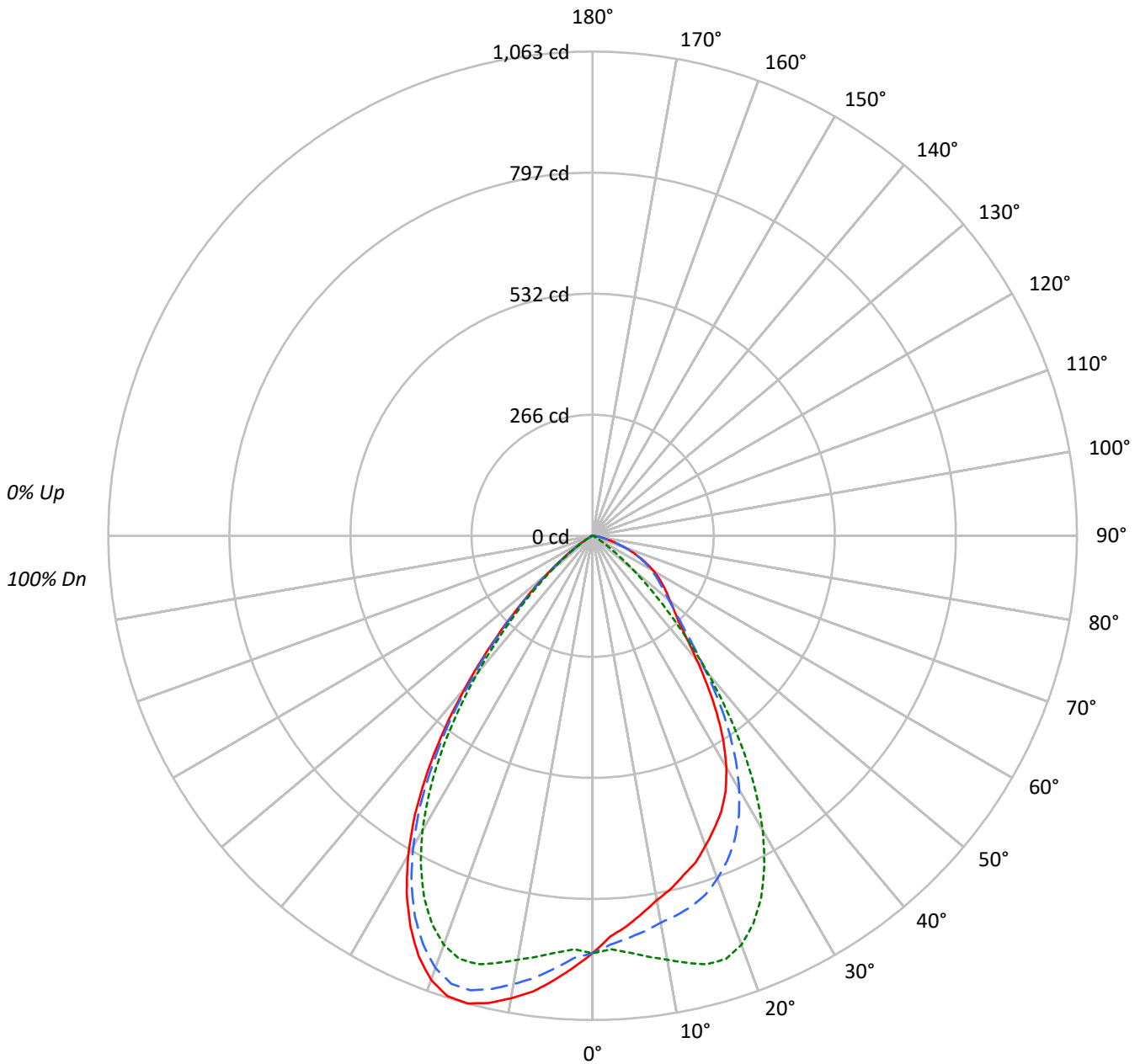
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P136277

CATALOG NUMBER: LD6A15D010TE ERW6A15930 6LW111LI

Luminous Intensity Polar Plot





TEST NUMBER: P136277

CATALOG NUMBER: LD6A15D010TE ERW6A15930 6LW111LI

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 | 86 | 83 | 82 | | | | | | | | | | | | | | | | | | | |
| 3 | 98 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 86 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 75 | 74 | | | | | | | | | | | | | | | | | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 77 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | | | | | | | | | | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | | | | | | | | | | | | | | | | |
| 6 | 81 | 70 | 63 | 58 | 79 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 57 | 55 | | | | | | | | | | | | | | | | | | | |
| 7 | 76 | 65 | 58 | 53 | 75 | 64 | 58 | 53 | 63 | 57 | 53 | 62 | 56 | 52 | 60 | 56 | 52 | 50 | | | | | | | | | | | | | | | | | | | |
| 8 | 72 | 60 | 53 | 49 | 70 | 60 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 56 | 51 | 48 | 46 | | | | | | | | | | | | | | | | | | | |
| 9 | 68 | 56 | 49 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 43 | | | | | | | | | | | | | | | | | | | |
| 10 | 64 | 53 | 46 | 41 | 63 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 50 | 45 | 41 | 39 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 59793 | 59793 | 59793 |
| 5° | 56341 | 60159 | 64173 |
| 10° | 53806 | 62610 | 68307 |
| 15° | 52088 | 65772 | 71784 |
| 20° | 50279 | 66331 | 72010 |
| 25° | 48086 | 63030 | 68112 |
| 30° | 44228 | 56251 | 60952 |
| 35° | 37799 | 46026 | 50271 |
| 40° | 30234 | 33368 | 36936 |
| 45° | 24635 | 21138 | 23693 |
| 50° | 22532 | 11631 | 13195 |
| 55° | 21418 | 4766 | 5585 |
| 60° | 20159 | 1735 | 1735 |
| 65° | 18000 | 957 | 803 |
| 70° | 14440 | 782 | 572 |
| 75° | 9553 | 504 | 504 |
| 80° | 4997 | 376 | 376 |
| 85° | 2246 | 0 | 0 |



TEST NUMBER: P136277

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.4 | 6.2 |
| 10°-20° | 265.1 | 18.4 |
| 20°-30° | 381.4 | 26.5 |
| 30°-40° | 350.4 | 24.4 |
| 40°-50° | 201.2 | 14.0 |
| 50°-60° | 88.9 | 6.2 |
| 60°-70° | 43.7 | 3.0 |
| 70°-80° | 16.7 | 1.2 |
| 80°-90° | 1.9 | 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° | 735.0 | 51.1 |
| 0°-40° | 1085.3 | 75.5 |
| 0°-60° | 1375.4 | 95.7 |
| 0°-90° | 1437.6 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1437.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 916 | 916 | 916 | 916 | 916 | |
| 5° | 860 | 887 | 919 | 953 | 980 | 81 |
| 15° | 771 | 842 | 974 | 1033 | 1063 | 217 |
| 25° | 668 | 738 | 876 | 923 | 946 | 305 |
| 35° | 475 | 520 | 578 | 611 | 631 | 294 |
| 45° | 267 | 278 | 229 | 251 | 257 | 212 |
| 55° | 188 | 179 | 42 | 46 | 49 | 168 |
| 65° | 117 | 112 | 6 | 4 | 5 | 114 |
| 75° | 38 | 40 | 2 | 2 | 2 | 42 |
| 85° | 3 | 3 | 0 | 0 | 0 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P136277

CATALOG NUMBER: LD6A15D010TE ERW6A15930 6LW111LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 |
| 2.5° | 880.8 | 885.8 | 880.8 | 887.8 | 892.0 | 894.0 | 892.0 | 886.8 | 894.0 | 898.2 | 897.1 |
| 5° | 860.3 | 864.4 | 860.3 | 867.4 | 872.6 | 877.6 | 875.6 | 872.6 | 880.8 | 886.8 | 887.8 |
| 7.5° | 835.7 | 840.9 | 837.7 | 844.9 | 851.1 | 857.2 | 857.2 | 856.2 | 866.4 | 875.6 | 878.7 |
| 10° | 812.2 | 816.3 | 814.3 | 821.4 | 828.5 | 835.7 | 837.7 | 838.8 | 850.1 | 862.3 | 869.5 |
| 12.5° | 793.8 | 795.8 | 793.8 | 802.0 | 809.1 | 817.3 | 821.4 | 823.5 | 837.7 | 853.1 | 862.3 |
| 15° | 771.2 | 776.4 | 774.4 | 782.6 | 790.7 | 799.9 | 805.0 | 809.1 | 824.5 | 841.9 | 855.1 |
| 17.5° | 751.8 | 753.9 | 751.8 | 761.0 | 768.2 | 778.4 | 784.6 | 789.7 | 806.1 | 825.5 | 839.8 |
| 20° | 724.2 | 728.3 | 727.3 | 735.5 | 743.6 | 752.8 | 759.0 | 764.2 | 781.5 | 800.9 | 817.3 |
| 22.5° | 696.6 | 700.7 | 700.7 | 708.9 | 715.0 | 725.3 | 730.4 | 735.5 | 751.8 | 772.3 | 786.6 |
| 25° | 668.0 | 671.0 | 670.0 | 677.2 | 684.3 | 694.5 | 698.7 | 703.7 | 719.1 | 737.5 | 750.8 |
| 27.5° | 632.2 | 634.2 | 636.2 | 642.4 | 647.5 | 656.7 | 659.8 | 664.9 | 677.2 | 694.5 | 706.9 |
| 30° | 587.1 | 589.2 | 592.3 | 597.4 | 601.5 | 610.7 | 612.7 | 616.8 | 629.1 | 643.4 | 654.6 |
| 32.5° | 534.0 | 535.0 | 540.1 | 544.2 | 549.3 | 555.5 | 560.5 | 561.5 | 570.7 | 585.1 | 593.3 |
| 35° | 474.6 | 475.7 | 480.8 | 483.8 | 489.0 | 495.1 | 499.2 | 500.2 | 508.4 | 519.6 | 524.8 |
| 37.5° | 413.3 | 419.4 | 418.4 | 421.4 | 426.5 | 431.7 | 435.7 | 435.7 | 441.9 | 451.1 | 453.1 |
| 40° | 355.0 | 358.0 | 361.1 | 363.2 | 367.2 | 371.3 | 374.4 | 374.4 | 378.4 | 384.6 | 384.6 |
| 42.5° | 304.9 | 309.9 | 309.9 | 311.9 | 315.1 | 319.1 | 321.2 | 320.1 | 322.3 | 325.3 | 323.3 |
| 45° | 267.0 | 269.0 | 270.0 | 273.1 | 274.2 | 278.2 | 279.2 | 277.2 | 278.2 | 278.2 | 272.1 |
| 47.5° | 242.4 | 242.4 | 242.4 | 244.4 | 245.5 | 248.6 | 248.6 | 245.5 | 244.4 | 243.4 | 235.3 |
| 50° | 222.0 | 222.0 | 223.0 | 225.0 | 226.1 | 227.1 | 227.1 | 223.0 | 222.0 | 217.9 | 206.7 |
| 52.5° | 204.6 | 205.6 | 205.6 | 207.7 | 208.7 | 209.7 | 208.7 | 204.6 | 201.5 | 197.5 | 184.1 |
| 55° | 188.3 | 189.3 | 190.3 | 192.3 | 192.3 | 192.3 | 191.3 | 187.1 | 184.1 | 179.0 | 165.7 |
| 57.5° | 171.9 | 172.9 | 172.9 | 174.9 | 175.9 | 175.9 | 174.9 | 170.8 | 167.7 | 163.7 | 149.4 |
| 60° | 154.5 | 154.5 | 155.5 | 157.5 | 157.5 | 158.6 | 157.5 | 154.5 | 151.4 | 146.3 | 134.0 |
| 62.5° | 135.0 | 136.0 | 137.0 | 139.1 | 140.2 | 140.2 | 140.2 | 137.0 | 135.0 | 131.0 | 118.6 |
| 65° | 116.6 | 116.6 | 117.6 | 119.6 | 119.6 | 122.8 | 120.7 | 118.6 | 116.6 | 112.5 | 102.3 |
| 67.5° | 95.1 | 96.2 | 96.2 | 98.2 | 99.2 | 100.2 | 100.2 | 98.2 | 97.2 | 94.1 | 84.9 |
| 70° | 75.7 | 75.7 | 76.7 | 77.7 | 78.7 | 79.8 | 79.8 | 78.7 | 77.7 | 74.7 | 67.5 |
| 72.5° | 55.3 | 56.3 | 56.3 | 57.3 | 59.3 | 60.3 | 60.3 | 60.3 | 58.3 | 56.3 | 51.1 |
| 75° | 37.9 | 38.9 | 38.9 | 39.9 | 40.9 | 41.9 | 41.9 | 41.9 | 40.9 | 39.9 | 35.8 |
| 77.5° | 23.5 | 23.5 | 24.6 | 24.6 | 25.6 | 26.6 | 27.6 | 27.6 | 26.6 | 25.6 | 23.5 |
| 80° | 13.3 | 13.3 | 14.3 | 14.3 | 14.3 | 15.4 | 16.4 | 16.4 | 16.4 | 15.4 | 13.3 |
| 82.5° | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 7.2 |
| 85° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 87.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P136277

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0° | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 |
| 2.5° | 897.1 | 904.2 | 909.4 | 901.2 | 908.4 | 915.5 | 923.7 | 908.4 | 922.7 | 914.5 | 917.6 |
| 5° | 892.0 | 900.2 | 907.3 | 902.2 | 911.4 | 920.6 | 931.9 | 918.6 | 934.9 | 928.8 | 933.9 |
| 7.5° | 884.8 | 896.0 | 906.3 | 904.2 | 916.5 | 928.8 | 943.1 | 931.9 | 949.3 | 946.2 | 952.3 |
| 10° | 878.7 | 894.0 | 907.3 | 907.3 | 923.7 | 938.0 | 953.3 | 945.1 | 965.7 | 962.5 | 970.7 |
| 12.5° | 874.6 | 894.0 | 911.4 | 914.5 | 933.9 | 950.3 | 968.7 | 960.5 | 983.0 | 979.9 | 989.2 |
| 15° | 870.5 | 893.0 | 913.4 | 919.6 | 941.1 | 960.5 | 979.9 | 973.8 | 997.4 | 994.3 | 1003.5 |
| 17.5° | 857.2 | 883.8 | 906.3 | 914.5 | 938.0 | 958.5 | 978.9 | 973.8 | 997.4 | 994.3 | 1003.5 |
| 20° | 834.7 | 861.3 | 885.8 | 895.0 | 918.6 | 940.1 | 959.5 | 955.4 | 978.9 | 975.9 | 984.0 |
| 22.5° | 806.1 | 831.7 | 855.1 | 864.4 | 886.8 | 906.3 | 925.7 | 921.6 | 944.1 | 939.1 | 948.3 |
| 25° | 766.2 | 792.8 | 815.3 | 822.5 | 842.9 | 862.3 | 879.7 | 875.6 | 897.1 | 891.0 | 900.2 |
| 27.5° | 725.3 | 744.7 | 763.0 | 769.2 | 787.6 | 804.0 | 820.3 | 816.3 | 836.7 | 829.5 | 838.8 |
| 30° | 670.0 | 685.3 | 701.7 | 704.7 | 722.2 | 735.5 | 749.8 | 746.7 | 764.2 | 758.0 | 766.2 |
| 32.5° | 605.6 | 618.8 | 630.1 | 631.2 | 645.4 | 656.7 | 669.0 | 666.9 | 682.3 | 677.2 | 683.3 |
| 35° | 535.0 | 543.2 | 550.3 | 549.3 | 560.5 | 568.7 | 580.0 | 577.9 | 592.3 | 587.1 | 593.3 |
| 37.5° | 460.3 | 464.4 | 466.5 | 462.3 | 470.5 | 476.7 | 484.8 | 483.8 | 496.1 | 492.0 | 498.2 |
| 40° | 387.6 | 387.6 | 384.6 | 377.4 | 382.6 | 385.6 | 391.8 | 391.8 | 401.0 | 396.9 | 402.0 |
| 42.5° | 321.2 | 317.1 | 309.9 | 299.7 | 300.7 | 304.9 | 304.9 | 304.9 | 311.9 | 307.9 | 317.1 |
| 45° | 267.0 | 257.8 | 246.6 | 233.2 | 229.1 | 231.2 | 229.1 | 229.1 | 234.2 | 231.2 | 238.4 |
| 47.5° | 225.0 | 213.8 | 194.3 | 178.0 | 170.8 | 169.8 | 166.7 | 166.7 | 169.8 | 169.8 | 172.9 |
| 50° | 193.3 | 176.9 | 153.4 | 134.0 | 123.8 | 120.7 | 116.6 | 114.6 | 117.6 | 116.6 | 118.6 |
| 52.5° | 167.7 | 147.3 | 119.6 | 97.2 | 86.9 | 79.8 | 76.7 | 72.7 | 73.7 | 73.7 | 74.7 |
| 55° | 146.3 | 122.8 | 93.1 | 69.5 | 58.3 | 50.1 | 46.1 | 41.9 | 41.9 | 40.9 | 41.9 |
| 57.5° | 130.0 | 105.4 | 75.7 | 52.1 | 39.9 | 31.7 | 27.6 | 23.5 | 22.5 | 22.5 | 22.5 |
| 60° | 115.6 | 92.1 | 62.4 | 40.9 | 28.6 | 20.4 | 16.4 | 13.3 | 12.2 | 11.2 | 11.2 |
| 62.5° | 101.3 | 79.8 | 53.2 | 33.8 | 21.5 | 15.4 | 11.2 | 8.2 | 7.2 | 6.2 | 6.2 |
| 65° | 86.9 | 68.5 | 46.1 | 28.6 | 18.4 | 12.2 | 8.2 | 6.2 | 5.2 | 4.1 | 4.1 |
| 67.5° | 71.6 | 56.3 | 38.9 | 23.5 | 15.4 | 10.2 | 7.2 | 5.2 | 4.1 | 3.0 | 3.0 |
| 70° | 57.3 | 45.0 | 30.7 | 19.4 | 12.2 | 8.2 | 5.2 | 4.1 | 3.0 | 3.0 | 3.0 |
| 72.5° | 42.9 | 33.8 | 23.5 | 14.3 | 9.2 | 6.2 | 4.1 | 3.0 | 2.0 | 2.0 | 2.0 |
| 75° | 30.7 | 24.6 | 16.4 | 10.2 | 6.2 | 4.1 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 19.4 | 15.4 | 10.2 | 6.2 | 4.1 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 11.2 | 9.2 | 6.2 | 4.1 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 6.2 | 4.1 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.0 | 1.0 | 1.0 | 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: P136277

CATALOG NUMBER: LD6A15D010TE ERW6A15930 6LW111LI

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 | 916.5 |
| 2.5° | 925.7 | 923.7 | 930.9 | 933.9 | 931.9 | 927.8 | 941.1 | 944.1 | 934.9 | 939.1 | 939.1 |
| 5° | 944.1 | 944.1 | 953.3 | 957.5 | 957.5 | 953.3 | 968.7 | 973.8 | 964.6 | 968.7 | 969.7 |
| 7.5° | 964.6 | 964.6 | 975.9 | 981.0 | 982.0 | 978.9 | 994.3 | 998.4 | 992.2 | 996.3 | 997.4 |
| 10° | 983.0 | 983.0 | 996.3 | 1001.4 | 1002.4 | 999.4 | 1014.8 | 1019.8 | 1012.6 | 1016.8 | 1017.8 |
| 12.5° | 1002.4 | 1003.5 | 1016.8 | 1021.8 | 1021.8 | 1018.8 | 1034.2 | 1039.3 | 1031.1 | 1036.2 | 1035.2 |
| 15° | 1016.8 | 1017.8 | 1031.1 | 1036.2 | 1037.2 | 1033.2 | 1047.5 | 1053.6 | 1045.4 | 1048.5 | 1048.5 |
| 17.5° | 1015.8 | 1016.8 | 1029.0 | 1034.2 | 1034.2 | 1031.1 | 1043.4 | 1050.5 | 1042.4 | 1045.4 | 1044.4 |
| 20° | 995.3 | 996.3 | 1009.6 | 1013.7 | 1013.7 | 1009.6 | 1020.8 | 1028.0 | 1019.8 | 1021.8 | 1020.8 |
| 22.5° | 958.5 | 959.5 | 971.7 | 975.9 | 976.9 | 971.7 | 983.0 | 991.2 | 982.0 | 983.0 | 982.0 |
| 25° | 910.4 | 910.4 | 923.7 | 923.7 | 928.8 | 922.7 | 930.9 | 942.1 | 932.9 | 932.9 | 929.8 |
| 27.5° | 848.0 | 848.0 | 861.3 | 861.3 | 867.4 | 861.3 | 874.6 | 879.7 | 871.5 | 870.5 | 870.5 |
| 30° | 775.4 | 775.4 | 787.6 | 787.6 | 792.8 | 787.6 | 800.9 | 806.1 | 797.9 | 796.8 | 797.9 |
| 32.5° | 692.5 | 692.5 | 704.7 | 703.7 | 709.9 | 705.9 | 718.1 | 722.2 | 716.1 | 712.9 | 715.0 |
| 35° | 601.5 | 606.6 | 613.8 | 612.7 | 618.8 | 610.7 | 626.0 | 629.1 | 624.0 | 625.0 | 622.0 |
| 37.5° | 505.4 | 510.4 | 515.6 | 515.6 | 520.6 | 518.6 | 527.8 | 530.9 | 526.8 | 527.8 | 524.8 |
| 40° | 409.2 | 414.3 | 418.4 | 418.4 | 423.5 | 417.3 | 429.6 | 432.7 | 428.6 | 424.5 | 426.5 |
| 42.5° | 318.1 | 323.3 | 327.3 | 326.3 | 331.5 | 330.4 | 337.5 | 339.6 | 336.5 | 335.5 | 333.5 |
| 45° | 239.4 | 240.4 | 247.6 | 250.6 | 250.6 | 250.6 | 255.8 | 256.8 | 253.6 | 253.6 | 252.6 |
| 47.5° | 172.9 | 174.9 | 180.1 | 182.1 | 183.1 | 182.1 | 184.1 | 188.3 | 185.1 | 185.1 | 186.1 |
| 50° | 119.6 | 120.7 | 124.8 | 126.8 | 126.8 | 126.8 | 127.8 | 131.0 | 128.8 | 128.8 | 126.8 |
| 52.5° | 76.7 | 76.7 | 79.8 | 80.8 | 80.8 | 80.8 | 81.9 | 83.9 | 81.9 | 82.9 | 83.9 |
| 55° | 42.9 | 42.9 | 45.0 | 46.1 | 46.1 | 46.1 | 47.1 | 48.1 | 47.1 | 48.1 | 48.1 |
| 57.5° | 22.5 | 22.5 | 23.5 | 23.5 | 24.6 | 24.6 | 24.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| 60° | 11.2 | 11.2 | 11.2 | 12.2 | 12.2 | 12.2 | 12.2 | 13.3 | 13.3 | 13.3 | 13.3 |
| 62.5° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 7.2 | 7.2 | 7.2 | 7.2 |
| 65° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 67.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.1 | 4.1 | 4.1 |
| 70° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 72.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 2.0 | 2.0 |
| 75° | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 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: P136277

CATALOG NUMBER: LD6A15D010TE ERW6A15930 6LW111LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 916.5 | 916.5 | 916.5 | 916.5 |
| 2.5° | 930.9 | 931.9 | 949.3 | 948.3 |
| 5° | 961.5 | 962.5 | 979.9 | 979.9 |
| 7.5° | 989.2 | 990.2 | 1008.6 | 1009.6 |
| 10° | 1009.6 | 1011.6 | 1029.0 | 1031.1 |
| 12.5° | 1029.0 | 1029.0 | 1046.4 | 1050.5 |
| 15° | 1041.3 | 1041.3 | 1057.7 | 1062.8 |
| 17.5° | 1037.2 | 1037.2 | 1053.6 | 1059.7 |
| 20° | 1014.8 | 1013.7 | 1029.0 | 1037.2 |
| 22.5° | 975.9 | 976.9 | 989.2 | 998.4 |
| 25° | 926.8 | 924.7 | 938.0 | 946.2 |
| 27.5° | 865.4 | 866.4 | 874.6 | 883.8 |
| 30° | 791.7 | 793.8 | 799.9 | 809.1 |
| 32.5° | 708.9 | 711.9 | 716.1 | 725.3 |
| 35° | 617.8 | 620.9 | 623.0 | 631.2 |
| 37.5° | 519.6 | 523.8 | 524.8 | 533.0 |
| 40° | 422.5 | 426.5 | 426.5 | 433.7 |
| 42.5° | 331.5 | 334.5 | 333.5 | 339.6 |
| 45° | 250.6 | 252.6 | 251.6 | 256.8 |
| 47.5° | 183.1 | 185.1 | 183.1 | 187.1 |
| 50° | 126.8 | 128.8 | 126.8 | 130.0 |
| 52.5° | 81.9 | 82.9 | 80.8 | 83.9 |
| 55° | 47.1 | 48.1 | 47.1 | 49.1 |
| 57.5° | 26.6 | 25.6 | 24.6 | 26.6 |
| 60° | 13.3 | 13.3 | 13.3 | 13.3 |
| 62.5° | 7.2 | 7.2 | 7.2 | 7.2 |
| 65° | 4.1 | 4.1 | 4.1 | 5.2 |
| 67.5° | 4.1 | 4.1 | 4.1 | 4.1 |
| 70° | 3.0 | 3.0 | 3.0 | 3.0 |
| 72.5° | 2.0 | 2.0 | 2.0 | 2.0 |
| 75° | 2.0 | 2.0 | 2.0 | 2.0 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 0.0 | 0.0 | 0.0 | 1.0 |
| 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 |



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













(END OF REPORT)