

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: P226247

Luminaire Tested: **LD2B10D010 EU2B10WW8050 2LBSW***

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P226247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14828)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10WW8050 2LBSW*
Description: 1000 Lumen, 2inch Portfolio LED Downlight
WALL WASH OPTIC
WALL WASH LENSED TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 766.8 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 0.79 / 1.02
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

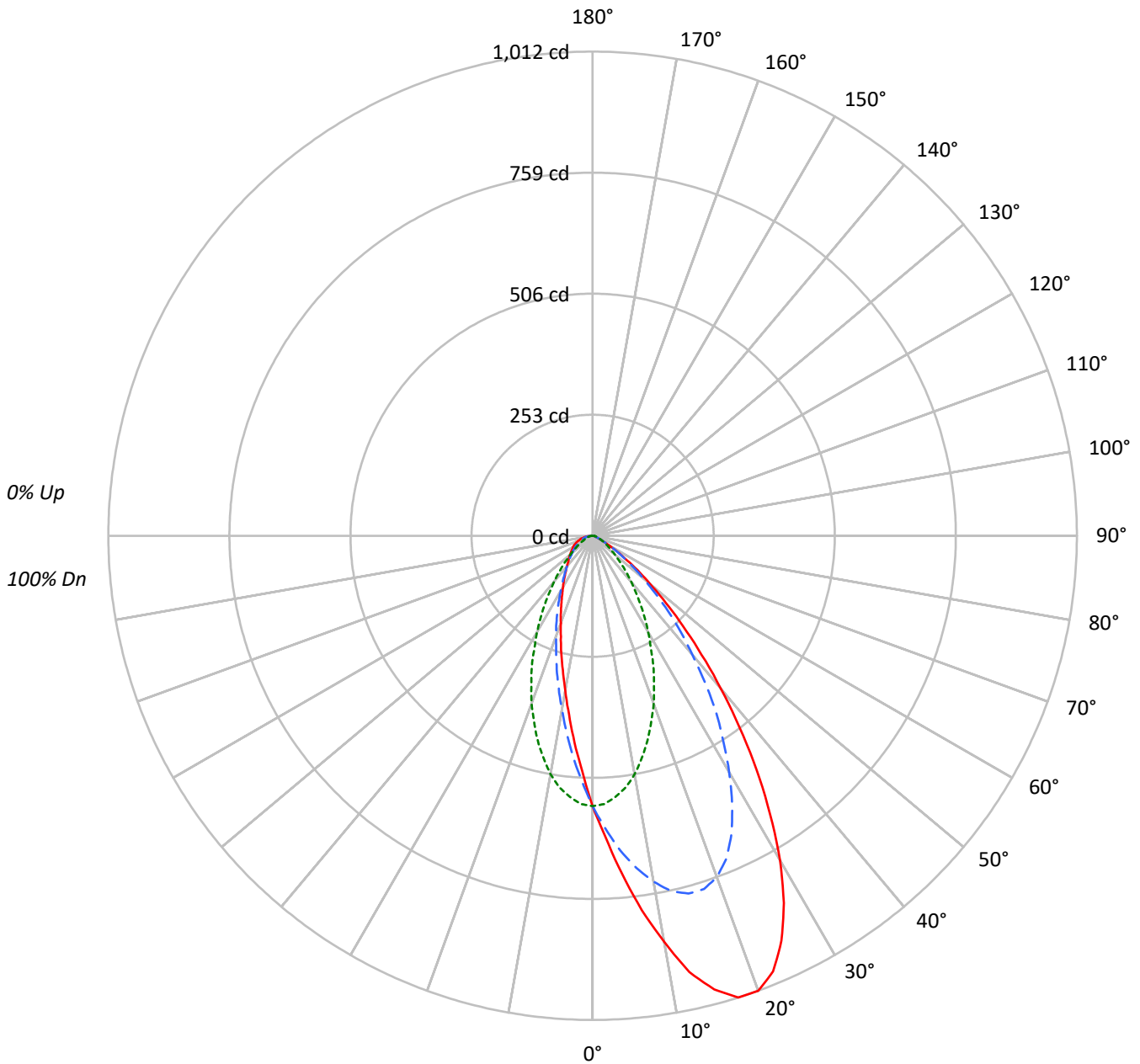
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P226247

CATALOG NUMBER: LD2B10D010 EU2B10WW8050 2LBSW*

Luminous Intensity Polar Plot





TEST NUMBER: P226247

CATALOG NUMBER: LD2B10D010 EU2B10WW8050 2LBSW*

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|
| RF | 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 | | | |
| 1 | 112 | 109 | 105 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98 | 98 | 97 | 95 | 95 | 94 | 92 | 90 | | | |
| 2 | 105 | 99 | 94 | 90 | 102 | 97 | 92 | 89 | 94 | 90 | 87 | 91 | 87 | 85 | 88 | 85 | 83 | 81 | | | |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 73 | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 69 | 75 | 71 | 68 | 66 | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 63 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 60 | | | |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 | | | |
| 7 | 76 | 65 | 58 | 53 | 75 | 64 | 58 | 53 | 63 | 57 | 52 | 62 | 56 | 52 | 60 | 56 | 52 | 50 | | | |
| 8 | 72 | 60 | 53 | 49 | 70 | 60 | 53 | 49 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 46 | | | |
| 9 | 68 | 56 | 50 | 45 | 66 | 56 | 49 | 45 | 55 | 49 | 45 | 54 | 48 | 44 | 53 | 48 | 44 | 43 | | | |
| 10 | 64 | 53 | 46 | 42 | 63 | 52 | 46 | 42 | 51 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 40 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 218850 | 218850 | 218850 |
| 5° | 275911 | 213038 | 168634 |
| 10° | 338964 | 199021 | 129442 |
| 15° | 393631 | 177728 | 101456 |
| 20° | 417151 | 153711 | 79968 |
| 25° | 399181 | 128473 | 65861 |
| 30° | 350569 | 103811 | 55327 |
| 35° | 282441 | 81852 | 47665 |
| 40° | 210651 | 63509 | 42322 |
| 45° | 145876 | 47932 | 38564 |
| 50° | 94006 | 35554 | 36699 |
| 55° | 55241 | 26945 | 35994 |
| 60° | 29438 | 22079 | 36875 |
| 65° | 13931 | 17414 | 36570 |
| 70° | 6455 | 15063 | 36581 |
| 75° | 8531 | 14218 | 39809 |
| 80° | 8476 | 12715 | 38144 |
| 85° | 8444 | 16888 | 33777 |



TEST NUMBER: P226247

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 53.4 | 7.0 |
| 10°-20° | 149.0 | 19.4 |
| 20°-30° | 194.4 | 25.3 |
| 30°-40° | 168.3 | 21.9 |
| 40°-50° | 106.5 | 13.9 |
| 50°-60° | 53.4 | 7.0 |
| 60°-70° | 24.5 | 3.2 |
| 70°-80° | 13.2 | 1.7 |
| 80°-90° | 4.2 | 0.6 |
| 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° | 396.8 | 51.7 |
| 0°-40° | 565.0 | 73.7 |
| 0°-60° | 724.9 | 94.5 |
| 0°-90° | 766.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 766.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 565 | 565 | 565 | 565 | 565 | |
| 5° | 710 | 660 | 548 | 464 | 434 | 72 |
| 15° | 982 | 774 | 443 | 289 | 253 | 276 |
| 25° | 934 | 687 | 301 | 173 | 154 | 423 |
| 35° | 597 | 449 | 173 | 105 | 101 | 371 |
| 45° | 266 | 223 | 88 | 68 | 70 | 210 |
| 55° | 82 | 76 | 40 | 46 | 53 | 78 |
| 65° | 15 | 17 | 19 | 32 | 40 | 17 |
| 75° | 6 | 6 | 10 | 19 | 27 | 5 |
| 85° | 2 | 2 | 4 | 6 | 8 | 2 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P226247

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 |
| 2.5° | 631.6 | 635.4 | 635.4 | 637.3 | 629.7 | 631.6 | 631.6 | 627.8 | 622.1 | 618.3 | 612.5 |
| 5° | 709.6 | 709.6 | 707.7 | 709.6 | 703.9 | 700.1 | 702.0 | 694.3 | 679.1 | 671.5 | 660.1 |
| 7.5° | 789.5 | 785.7 | 785.7 | 783.8 | 774.2 | 768.5 | 766.6 | 753.3 | 732.4 | 717.2 | 700.1 |
| 10° | 861.8 | 861.8 | 857.9 | 854.1 | 840.8 | 833.2 | 827.5 | 806.6 | 783.8 | 759.0 | 734.3 |
| 12.5° | 934.0 | 930.2 | 924.5 | 916.9 | 897.9 | 890.3 | 880.8 | 856.0 | 821.8 | 793.3 | 760.9 |
| 15° | 981.6 | 983.5 | 974.0 | 964.5 | 943.6 | 932.1 | 920.7 | 890.3 | 850.3 | 814.2 | 774.2 |
| 17.5° | 1012.0 | 1010.1 | 1000.6 | 989.2 | 966.4 | 953.1 | 939.7 | 903.6 | 861.8 | 818.0 | 774.2 |
| 20° | 1012.0 | 1012.0 | 1000.6 | 989.2 | 964.5 | 949.3 | 935.9 | 897.9 | 852.2 | 806.6 | 759.0 |
| 22.5° | 985.4 | 981.6 | 974.0 | 962.6 | 937.8 | 924.5 | 909.3 | 871.3 | 823.7 | 780.0 | 730.5 |
| 25° | 934.0 | 934.0 | 924.5 | 911.2 | 890.3 | 875.1 | 861.8 | 823.7 | 778.0 | 734.3 | 686.7 |
| 27.5° | 865.6 | 863.7 | 854.1 | 844.6 | 821.8 | 810.4 | 797.1 | 760.9 | 721.0 | 681.0 | 631.6 |
| 30° | 783.8 | 780.0 | 776.1 | 760.9 | 745.7 | 736.2 | 724.8 | 692.4 | 652.5 | 614.4 | 570.7 |
| 32.5° | 690.5 | 696.2 | 686.7 | 677.2 | 663.9 | 654.4 | 644.9 | 620.2 | 584.0 | 549.8 | 507.9 |
| 35° | 597.3 | 601.1 | 595.4 | 587.8 | 574.5 | 568.8 | 559.3 | 538.4 | 511.7 | 479.4 | 448.9 |
| 37.5° | 504.1 | 504.1 | 504.1 | 498.4 | 490.8 | 485.1 | 479.4 | 460.4 | 437.5 | 412.8 | 384.3 |
| 40° | 416.6 | 422.3 | 414.7 | 412.8 | 407.1 | 405.2 | 399.5 | 386.2 | 367.1 | 350.0 | 323.4 |
| 42.5° | 336.7 | 336.7 | 338.6 | 334.8 | 332.9 | 329.1 | 325.3 | 317.7 | 304.4 | 289.2 | 272.0 |
| 45° | 266.3 | 268.2 | 270.1 | 264.4 | 264.4 | 264.4 | 262.5 | 254.9 | 243.5 | 234.0 | 222.6 |
| 47.5° | 207.4 | 207.4 | 209.3 | 207.4 | 207.4 | 207.4 | 203.5 | 203.5 | 195.9 | 186.4 | 176.9 |
| 50° | 156.0 | 157.9 | 159.8 | 159.8 | 159.8 | 157.9 | 157.9 | 154.1 | 150.3 | 146.5 | 137.0 |
| 52.5° | 117.9 | 117.9 | 116.0 | 117.9 | 117.9 | 117.9 | 117.9 | 116.0 | 114.1 | 110.3 | 104.6 |
| 55° | 81.8 | 81.8 | 83.7 | 83.7 | 83.7 | 85.6 | 85.6 | 85.6 | 83.7 | 81.8 | 76.1 |
| 57.5° | 57.1 | 57.1 | 57.1 | 59.0 | 60.9 | 60.9 | 60.9 | 60.9 | 59.0 | 57.1 | 55.2 |
| 60° | 38.0 | 38.0 | 38.0 | 39.9 | 39.9 | 39.9 | 39.9 | 41.9 | 39.9 | 39.9 | 38.0 |
| 62.5° | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 26.6 | 26.6 | 26.6 | 26.6 | 26.6 | 24.7 |
| 65° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 67.5° | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 70° | 5.7 | 5.7 | 5.7 | 5.7 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 72.5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 75° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| 77.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 5.7 | 5.7 | 5.7 |
| 80° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 82.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.8 | 3.8 | 1.9 |
| 85° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 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 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 |
| 2.5° | 612.5 | 604.9 | 601.1 | 591.6 | 589.7 | 582.1 | 582.1 | 574.5 | 565.0 | 561.2 | 551.7 |
| 5° | 652.5 | 637.3 | 629.7 | 612.5 | 606.8 | 595.4 | 589.7 | 574.5 | 559.3 | 547.9 | 534.6 |
| 7.5° | 686.7 | 663.9 | 648.7 | 625.9 | 616.4 | 599.2 | 587.8 | 568.8 | 547.9 | 530.7 | 511.7 |
| 10° | 713.4 | 682.9 | 660.1 | 629.7 | 618.3 | 597.3 | 580.2 | 553.6 | 526.9 | 506.0 | 483.2 |
| 12.5° | 730.5 | 694.3 | 662.0 | 625.9 | 610.6 | 587.8 | 563.1 | 532.6 | 502.2 | 475.6 | 450.9 |
| 15° | 738.1 | 694.3 | 656.3 | 612.5 | 595.4 | 570.7 | 542.2 | 506.0 | 471.8 | 443.2 | 416.6 |
| 17.5° | 732.4 | 681.0 | 641.1 | 591.6 | 572.6 | 544.1 | 511.7 | 473.7 | 437.5 | 407.1 | 380.5 |
| 20° | 713.4 | 660.1 | 614.4 | 563.1 | 542.2 | 513.6 | 477.5 | 439.4 | 403.3 | 372.9 | 344.3 |
| 22.5° | 681.0 | 625.9 | 578.3 | 526.9 | 506.0 | 477.5 | 439.4 | 401.4 | 365.2 | 334.8 | 308.2 |
| 25° | 641.1 | 582.1 | 534.6 | 485.1 | 462.3 | 437.5 | 399.5 | 361.4 | 327.2 | 300.6 | 273.9 |
| 27.5° | 587.8 | 536.5 | 488.9 | 439.4 | 418.5 | 395.7 | 357.6 | 323.4 | 289.2 | 262.5 | 239.7 |
| 30° | 530.7 | 481.3 | 441.3 | 393.8 | 374.8 | 351.9 | 319.6 | 285.3 | 256.8 | 232.1 | 211.2 |
| 32.5° | 473.7 | 426.1 | 388.1 | 348.1 | 331.0 | 308.2 | 279.6 | 249.2 | 222.6 | 201.6 | 184.5 |
| 35° | 414.7 | 374.8 | 338.6 | 300.6 | 287.3 | 268.2 | 241.6 | 215.0 | 192.1 | 173.1 | 156.0 |
| 37.5° | 355.7 | 323.4 | 291.1 | 260.6 | 245.4 | 230.2 | 205.5 | 182.6 | 161.7 | 146.5 | 133.2 |
| 40° | 302.5 | 273.9 | 247.3 | 218.8 | 205.5 | 194.0 | 173.1 | 154.1 | 138.9 | 125.6 | 114.1 |
| 42.5° | 251.1 | 228.3 | 205.5 | 182.6 | 171.2 | 161.7 | 144.6 | 127.5 | 114.1 | 104.6 | 95.1 |
| 45° | 205.5 | 188.3 | 169.3 | 148.4 | 142.7 | 131.3 | 117.9 | 106.5 | 95.1 | 87.5 | 79.9 |
| 47.5° | 165.5 | 150.3 | 135.1 | 119.8 | 114.1 | 106.5 | 95.1 | 85.6 | 78.0 | 72.3 | 66.6 |
| 50° | 129.4 | 117.9 | 108.4 | 95.1 | 91.3 | 83.7 | 76.1 | 68.5 | 62.8 | 59.0 | 55.2 |
| 52.5° | 98.9 | 89.4 | 81.8 | 74.2 | 70.4 | 66.6 | 59.0 | 55.2 | 51.4 | 49.5 | 47.6 |
| 55° | 72.3 | 66.6 | 60.9 | 55.2 | 53.3 | 49.5 | 45.7 | 41.9 | 39.9 | 39.9 | 39.9 |
| 57.5° | 51.4 | 47.6 | 43.8 | 39.9 | 39.9 | 38.0 | 36.1 | 34.2 | 32.3 | 32.3 | 32.3 |
| 60° | 36.1 | 34.2 | 32.3 | 30.4 | 28.5 | 28.5 | 26.6 | 28.5 | 26.6 | 28.5 | 28.5 |
| 62.5° | 24.7 | 22.8 | 22.8 | 20.9 | 20.9 | 20.9 | 20.9 | 20.9 | 22.8 | 22.8 | 24.7 |
| 65° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 17.1 | 17.1 | 17.1 | 19.0 | 19.0 |
| 67.5° | 11.4 | 11.4 | 11.4 | 13.3 | 13.3 | 13.3 | 13.3 | 15.2 | 15.2 | 15.2 | 17.1 |
| 70° | 7.6 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 11.4 | 11.4 | 11.4 | 13.3 | 13.3 |
| 72.5° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 9.5 | 9.5 | 9.5 | 11.4 | 11.4 |
| 75° | 5.7 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 9.5 | 9.5 | 9.5 | 11.4 |
| 77.5° | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 7.6 | 7.6 | 7.6 | 7.6 |
| 80° | 3.8 | 3.8 | 3.8 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 7.6 |
| 82.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 5.7 |
| 85° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.8 | 1.9 | 3.8 | 3.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 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):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 |
| 2.5° | 547.9 | 542.2 | 544.1 | 532.6 | 534.6 | 526.9 | 523.1 | 517.4 | 513.6 | 507.9 | 509.8 |
| 5° | 525.0 | 515.5 | 511.7 | 498.4 | 500.3 | 488.9 | 481.3 | 471.8 | 464.2 | 454.7 | 452.8 |
| 7.5° | 496.5 | 481.3 | 475.6 | 462.3 | 460.4 | 445.1 | 435.6 | 424.2 | 414.7 | 405.2 | 401.4 |
| 10° | 464.2 | 447.0 | 435.6 | 422.3 | 420.4 | 403.3 | 391.9 | 380.5 | 369.1 | 359.5 | 355.7 |
| 12.5° | 429.9 | 410.9 | 397.6 | 382.4 | 378.6 | 363.3 | 350.0 | 338.6 | 327.2 | 317.7 | 312.0 |
| 15° | 393.8 | 372.9 | 359.5 | 344.3 | 340.5 | 323.4 | 312.0 | 298.7 | 289.2 | 279.6 | 275.8 |
| 17.5° | 357.6 | 336.7 | 321.5 | 308.2 | 304.4 | 287.3 | 273.9 | 264.4 | 253.0 | 247.3 | 241.6 |
| 20° | 321.5 | 300.6 | 285.3 | 273.9 | 268.2 | 254.9 | 241.6 | 232.1 | 222.6 | 216.9 | 211.2 |
| 22.5° | 285.3 | 266.3 | 253.0 | 241.6 | 237.8 | 224.5 | 213.1 | 203.5 | 197.8 | 190.2 | 186.4 |
| 25° | 253.0 | 234.0 | 222.6 | 211.2 | 207.4 | 195.9 | 188.3 | 178.8 | 173.1 | 167.4 | 163.6 |
| 27.5° | 222.6 | 205.5 | 194.0 | 184.5 | 182.6 | 173.1 | 163.6 | 157.9 | 152.2 | 148.4 | 146.5 |
| 30° | 192.1 | 178.8 | 169.3 | 161.7 | 159.8 | 150.3 | 142.7 | 138.9 | 133.2 | 131.3 | 129.4 |
| 32.5° | 169.3 | 156.0 | 148.4 | 140.8 | 138.9 | 131.3 | 127.5 | 121.7 | 117.9 | 116.0 | 116.0 |
| 35° | 144.6 | 135.1 | 127.5 | 123.7 | 121.7 | 116.0 | 110.3 | 108.4 | 104.6 | 102.7 | 102.7 |
| 37.5° | 123.7 | 116.0 | 110.3 | 104.6 | 104.6 | 100.8 | 97.0 | 95.1 | 93.2 | 93.2 | 91.3 |
| 40° | 106.5 | 98.9 | 97.0 | 93.2 | 91.3 | 89.4 | 87.5 | 85.6 | 83.7 | 83.7 | 83.7 |
| 42.5° | 89.4 | 85.6 | 81.8 | 79.9 | 79.9 | 78.0 | 76.1 | 76.1 | 74.2 | 76.1 | 76.1 |
| 45° | 76.1 | 72.3 | 70.4 | 68.5 | 70.4 | 68.5 | 68.5 | 66.6 | 68.5 | 68.5 | 68.5 |
| 47.5° | 64.7 | 62.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 62.8 | 62.8 |
| 50° | 55.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 55.2 | 55.2 | 55.2 | 57.1 | 57.1 |
| 52.5° | 45.7 | 45.7 | 45.7 | 45.7 | 47.6 | 47.6 | 49.5 | 49.5 | 51.4 | 51.4 | 53.3 |
| 55° | 39.9 | 39.9 | 39.9 | 39.9 | 41.9 | 41.9 | 43.8 | 45.7 | 45.7 | 47.6 | 49.5 |
| 57.5° | 34.2 | 34.2 | 36.1 | 36.1 | 38.0 | 38.0 | 39.9 | 41.9 | 41.9 | 43.8 | 45.7 |
| 60° | 28.5 | 30.4 | 32.3 | 32.3 | 32.3 | 34.2 | 36.1 | 38.0 | 38.0 | 39.9 | 41.9 |
| 62.5° | 24.7 | 26.6 | 28.5 | 28.5 | 28.5 | 30.4 | 32.3 | 34.2 | 34.2 | 36.1 | 38.0 |
| 65° | 20.9 | 22.8 | 24.7 | 24.7 | 24.7 | 26.6 | 28.5 | 30.4 | 32.3 | 32.3 | 34.2 |
| 67.5° | 19.0 | 19.0 | 20.9 | 20.9 | 22.8 | 24.7 | 24.7 | 26.6 | 28.5 | 30.4 | 32.3 |
| 70° | 15.2 | 17.1 | 19.0 | 19.0 | 19.0 | 20.9 | 22.8 | 24.7 | 24.7 | 26.6 | 28.5 |
| 72.5° | 13.3 | 13.3 | 15.2 | 15.2 | 17.1 | 19.0 | 19.0 | 20.9 | 22.8 | 22.8 | 24.7 |
| 75° | 11.4 | 13.3 | 13.3 | 13.3 | 15.2 | 15.2 | 17.1 | 19.0 | 19.0 | 20.9 | 20.9 |
| 77.5° | 9.5 | 9.5 | 11.4 | 11.4 | 11.4 | 13.3 | 13.3 | 15.2 | 15.2 | 17.1 | 17.1 |
| 80° | 7.6 | 7.6 | 9.5 | 9.5 | 9.5 | 9.5 | 11.4 | 11.4 | 13.3 | 13.3 | 13.3 |
| 82.5° | 5.7 | 5.7 | 5.7 | 5.7 | 7.6 | 7.6 | 7.6 | 7.6 | 9.5 | 9.5 | 9.5 |
| 85° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 7.6 |
| 87.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 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: P226247

CATALOG NUMBER: LD2B10D010 EU2B10WW8050 2LBSW*

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 | 565.0 |
| 2.5° | 504.1 | 504.1 | 502.2 | 500.3 | 498.4 | 496.5 | 494.6 | 492.7 |
| 5° | 447.0 | 448.9 | 441.3 | 439.4 | 439.4 | 435.6 | 437.5 | 433.7 |
| 7.5° | 393.8 | 393.8 | 388.1 | 386.2 | 384.3 | 380.5 | 378.6 | 376.7 |
| 10° | 346.2 | 344.3 | 340.5 | 338.6 | 334.8 | 332.9 | 332.9 | 329.1 |
| 12.5° | 304.4 | 302.5 | 298.7 | 296.8 | 293.0 | 291.1 | 289.2 | 287.3 |
| 15° | 268.2 | 266.3 | 262.5 | 260.6 | 258.7 | 254.9 | 254.9 | 253.0 |
| 17.5° | 234.0 | 232.1 | 230.2 | 226.4 | 226.4 | 222.6 | 220.7 | 220.7 |
| 20° | 207.4 | 205.5 | 201.6 | 199.7 | 199.7 | 197.8 | 197.8 | 194.0 |
| 22.5° | 182.6 | 180.7 | 178.8 | 176.9 | 176.9 | 175.0 | 173.1 | 173.1 |
| 25° | 161.7 | 159.8 | 157.9 | 157.9 | 156.0 | 154.1 | 154.1 | 154.1 |
| 27.5° | 142.7 | 142.7 | 140.8 | 140.8 | 140.8 | 138.9 | 138.9 | 137.0 |
| 30° | 127.5 | 127.5 | 125.6 | 125.6 | 125.6 | 123.7 | 125.6 | 123.7 |
| 32.5° | 114.1 | 114.1 | 114.1 | 114.1 | 114.1 | 112.2 | 112.2 | 112.2 |
| 35° | 102.7 | 102.7 | 102.7 | 102.7 | 102.7 | 100.8 | 102.7 | 100.8 |
| 37.5° | 91.3 | 93.2 | 91.3 | 91.3 | 93.2 | 91.3 | 91.3 | 91.3 |
| 40° | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 42.5° | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| 45° | 68.5 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 47.5° | 64.7 | 64.7 | 64.7 | 64.7 | 66.6 | 64.7 | 66.6 | 66.6 |
| 50° | 59.0 | 59.0 | 59.0 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 52.5° | 55.2 | 55.2 | 55.2 | 55.2 | 57.1 | 57.1 | 57.1 | 57.1 |
| 55° | 49.5 | 51.4 | 51.4 | 51.4 | 53.3 | 53.3 | 53.3 | 53.3 |
| 57.5° | 47.6 | 47.6 | 47.6 | 49.5 | 49.5 | 49.5 | 51.4 | 49.5 |
| 60° | 43.8 | 43.8 | 45.7 | 45.7 | 45.7 | 47.6 | 47.6 | 47.6 |
| 62.5° | 39.9 | 41.9 | 41.9 | 41.9 | 41.9 | 43.8 | 43.8 | 43.8 |
| 65° | 36.1 | 38.0 | 38.0 | 38.0 | 39.9 | 39.9 | 39.9 | 39.9 |
| 67.5° | 32.3 | 34.2 | 34.2 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| 70° | 28.5 | 30.4 | 30.4 | 30.4 | 32.3 | 32.3 | 32.3 | 32.3 |
| 72.5° | 26.6 | 26.6 | 26.6 | 28.5 | 28.5 | 28.5 | 30.4 | 28.5 |
| 75° | 22.8 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 26.6 | 26.6 |
| 77.5° | 19.0 | 19.0 | 19.0 | 19.0 | 20.9 | 20.9 | 20.9 | 20.9 |
| 80° | 15.2 | 15.2 | 15.2 | 15.2 | 17.1 | 17.1 | 17.1 | 17.1 |
| 82.5° | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 85° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 87.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 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)