

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: P226244

Luminaire Tested: **LD2B10D010 EU2B10WW8030 2LBSW***

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P226244
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 EU2B10WW8030 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: 733.5 lumens
Efficiency: N/A
Efficacy: 71.2 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

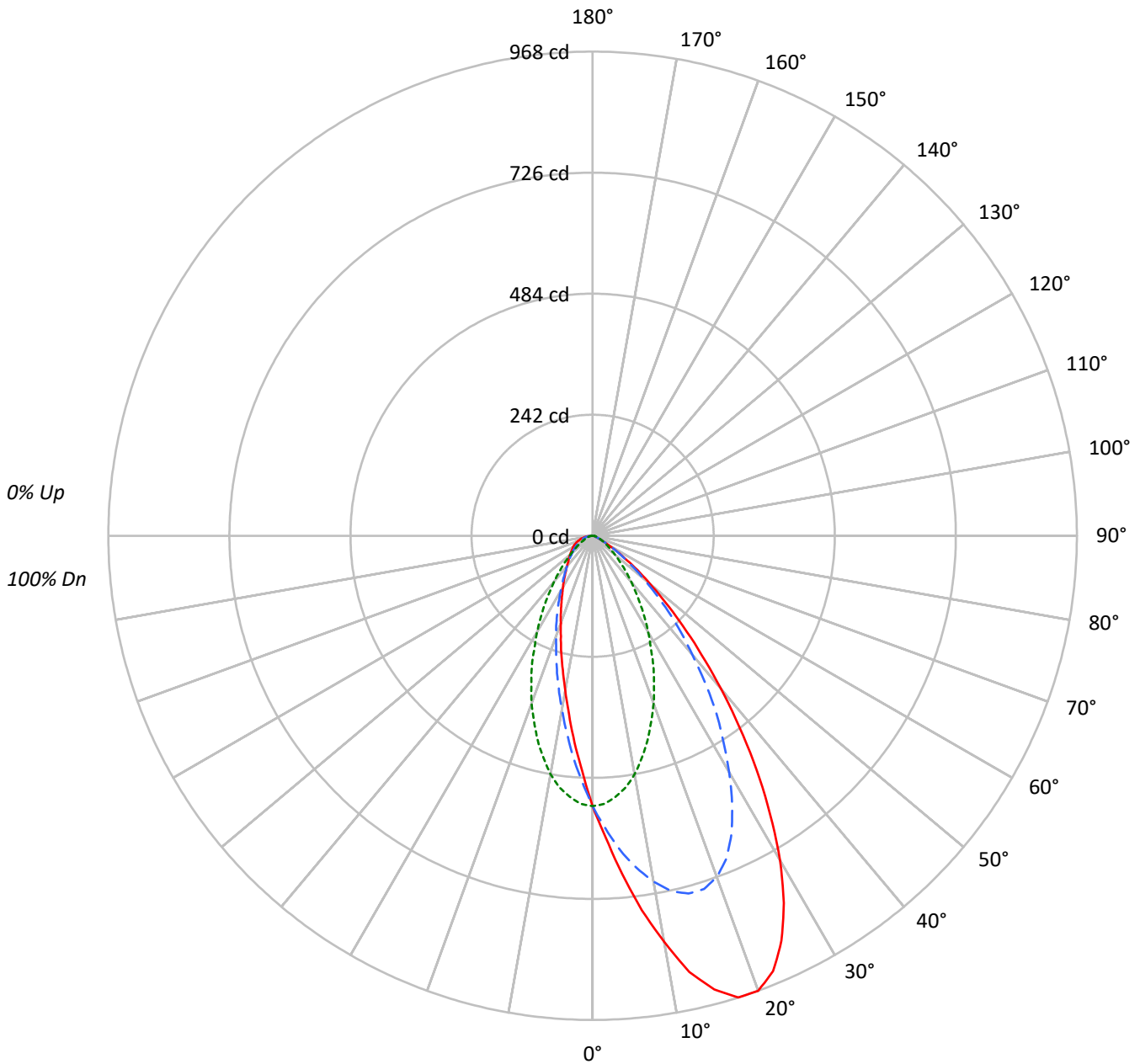
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P226244

CATALOG NUMBER: LD2B10D010 EU2B10WW8030 2LBSW*

Luminous Intensity Polar Plot





TEST NUMBER: P226244

CATALOG NUMBER: LD2B10D010 EU2B10WW8030 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° | 209322 | 209322 | 209322 |
| 5° | 263857 | 203745 | 161285 |
| 10° | 324176 | 190368 | 123818 |
| 15° | 376468 | 169988 | 97044 |
| 20° | 398973 | 146992 | 76505 |
| 25° | 381787 | 122874 | 62997 |
| 30° | 335273 | 99294 | 52912 |
| 35° | 270146 | 78306 | 45584 |
| 40° | 201449 | 60728 | 40502 |
| 45° | 139522 | 45850 | 36866 |
| 50° | 89908 | 33987 | 35072 |
| 55° | 52810 | 25797 | 34374 |
| 60° | 28199 | 21149 | 35248 |
| 65° | 13381 | 16681 | 35012 |
| 70° | 6229 | 14383 | 34995 |
| 75° | 8231 | 13619 | 38163 |
| 80° | 8030 | 12269 | 36582 |
| 85° | 8000 | 15999 | 32443 |



TEST NUMBER: P226244

CATALOG NUMBER: LD2B10D010 EU2B10WW8030 2LBSW*

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.1 | 7.0 |
| 10°-20° | 142.5 | 19.4 |
| 20°-30° | 185.9 | 25.3 |
| 30°-40° | 160.9 | 21.9 |
| 40°-50° | 101.9 | 13.9 |
| 50°-60° | 51.0 | 7.0 |
| 60°-70° | 23.5 | 3.2 |
| 70°-80° | 12.6 | 1.7 |
| 80°-90° | 4.1 | 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° | 379.5 | 51.7 |
| 0°-40° | 540.4 | 73.7 |
| 0°-60° | 693.3 | 94.5 |
| 0°-90° | 733.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 733.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 540 | 540 | 540 | 540 | 540 | |
| 5° | 679 | 631 | 524 | 444 | 415 | 69 |
| 15° | 939 | 740 | 424 | 276 | 242 | 264 |
| 25° | 893 | 657 | 288 | 166 | 147 | 405 |
| 35° | 571 | 429 | 166 | 100 | 96 | 355 |
| 45° | 255 | 213 | 84 | 66 | 67 | 200 |
| 55° | 78 | 73 | 38 | 44 | 51 | 75 |
| 65° | 15 | 16 | 18 | 31 | 38 | 17 |
| 75° | 6 | 6 | 9 | 18 | 26 | 5 |
| 85° | 2 | 2 | 4 | 6 | 7 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P226244

CATALOG NUMBER: LD2B10D010 EU2B10WW8030 2LBSW*

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 |
| 2.5° | 604.0 | 607.7 | 607.7 | 609.5 | 602.2 | 604.0 | 604.0 | 600.4 | 594.9 | 591.3 | 585.8 |
| 5° | 678.6 | 678.6 | 676.8 | 678.6 | 673.2 | 669.5 | 671.4 | 664.1 | 649.5 | 642.2 | 631.3 |
| 7.5° | 755.0 | 751.4 | 751.4 | 749.6 | 740.5 | 735.0 | 733.2 | 720.5 | 700.5 | 685.9 | 669.5 |
| 10° | 824.2 | 824.2 | 820.5 | 816.9 | 804.2 | 796.9 | 791.4 | 771.4 | 749.6 | 725.9 | 702.3 |
| 12.5° | 893.3 | 889.7 | 884.2 | 876.9 | 858.7 | 851.5 | 842.4 | 818.7 | 786.0 | 758.7 | 727.8 |
| 15° | 938.8 | 940.6 | 931.5 | 922.4 | 902.4 | 891.5 | 880.6 | 851.5 | 813.3 | 778.7 | 740.5 |
| 17.5° | 967.9 | 966.1 | 957.0 | 946.1 | 924.2 | 911.5 | 898.8 | 864.2 | 824.2 | 782.3 | 740.5 |
| 20° | 967.9 | 967.9 | 957.0 | 946.1 | 922.4 | 907.9 | 895.1 | 858.7 | 815.1 | 771.4 | 725.9 |
| 22.5° | 942.4 | 938.8 | 931.5 | 920.6 | 897.0 | 884.2 | 869.7 | 833.3 | 787.8 | 745.9 | 698.6 |
| 25° | 893.3 | 893.3 | 884.2 | 871.5 | 851.5 | 836.9 | 824.2 | 787.8 | 744.1 | 702.3 | 656.8 |
| 27.5° | 827.8 | 826.0 | 816.9 | 807.8 | 786.0 | 775.1 | 762.3 | 727.8 | 689.5 | 651.3 | 604.0 |
| 30° | 749.6 | 745.9 | 742.3 | 727.8 | 713.2 | 704.1 | 693.2 | 662.3 | 624.0 | 587.7 | 545.8 |
| 32.5° | 660.4 | 665.9 | 656.8 | 647.7 | 635.0 | 625.9 | 616.8 | 593.1 | 558.5 | 525.8 | 485.8 |
| 35° | 571.3 | 574.9 | 569.5 | 562.2 | 549.5 | 544.0 | 534.9 | 514.9 | 489.4 | 458.5 | 429.4 |
| 37.5° | 482.1 | 482.1 | 482.1 | 476.7 | 469.4 | 463.9 | 458.5 | 440.3 | 418.5 | 394.8 | 367.5 |
| 40° | 398.4 | 403.9 | 396.6 | 394.8 | 389.3 | 387.5 | 382.1 | 369.3 | 351.1 | 334.8 | 309.3 |
| 42.5° | 322.0 | 322.0 | 323.8 | 320.2 | 318.4 | 314.8 | 311.1 | 303.8 | 291.1 | 276.5 | 260.2 |
| 45° | 254.7 | 256.5 | 258.4 | 252.9 | 252.9 | 252.9 | 251.1 | 243.8 | 232.9 | 223.8 | 212.9 |
| 47.5° | 198.3 | 198.3 | 200.1 | 198.3 | 198.3 | 198.3 | 194.7 | 194.7 | 187.4 | 178.3 | 169.2 |
| 50° | 149.2 | 151.0 | 152.8 | 152.8 | 152.8 | 151.0 | 151.0 | 147.4 | 143.7 | 140.1 | 131.0 |
| 52.5° | 112.8 | 112.8 | 111.0 | 112.8 | 112.8 | 112.8 | 112.8 | 111.0 | 109.2 | 105.5 | 100.1 |
| 55° | 78.2 | 78.2 | 80.1 | 80.1 | 80.1 | 81.9 | 81.9 | 81.9 | 80.1 | 78.2 | 72.8 |
| 57.5° | 54.6 | 54.6 | 54.6 | 56.4 | 58.2 | 58.2 | 58.2 | 58.2 | 56.4 | 54.6 | 52.8 |
| 60° | 36.4 | 36.4 | 36.4 | 38.2 | 38.2 | 38.2 | 38.2 | 40.0 | 38.2 | 38.2 | 36.4 |
| 62.5° | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 23.7 |
| 65° | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 |
| 67.5° | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 |
| 70° | 5.5 | 5.5 | 5.5 | 5.5 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| 72.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 75° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 77.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 5.5 | 5.5 | 5.5 |
| 80° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 82.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.6 | 3.6 | 1.8 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 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: P226244

CATALOG NUMBER: LD2B10D010 EU2B10WW8030 2LBSW*

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 |
| 2.5° | 585.8 | 578.6 | 574.9 | 565.8 | 564.0 | 556.7 | 556.7 | 549.5 | 540.4 | 536.7 | 527.6 |
| 5° | 624.0 | 609.5 | 602.2 | 585.8 | 580.4 | 569.5 | 564.0 | 549.5 | 534.9 | 524.0 | 511.2 |
| 7.5° | 656.8 | 635.0 | 620.4 | 598.6 | 589.5 | 573.1 | 562.2 | 544.0 | 524.0 | 507.6 | 489.4 |
| 10° | 682.3 | 653.2 | 631.3 | 602.2 | 591.3 | 571.3 | 554.9 | 529.4 | 504.0 | 484.0 | 462.1 |
| 12.5° | 698.6 | 664.1 | 633.1 | 598.6 | 584.0 | 562.2 | 538.5 | 509.4 | 480.3 | 454.8 | 431.2 |
| 15° | 705.9 | 664.1 | 627.7 | 585.8 | 569.5 | 545.8 | 518.5 | 484.0 | 451.2 | 423.9 | 398.4 |
| 17.5° | 700.5 | 651.3 | 613.1 | 565.8 | 547.6 | 520.3 | 489.4 | 453.0 | 418.5 | 389.3 | 363.9 |
| 20° | 682.3 | 631.3 | 587.7 | 538.5 | 518.5 | 491.2 | 456.7 | 420.3 | 385.7 | 356.6 | 329.3 |
| 22.5° | 651.3 | 598.6 | 553.1 | 504.0 | 484.0 | 456.7 | 420.3 | 383.9 | 349.3 | 320.2 | 294.7 |
| 25° | 613.1 | 556.7 | 511.2 | 463.9 | 442.1 | 418.5 | 382.1 | 345.7 | 312.9 | 287.5 | 262.0 |
| 27.5° | 562.2 | 513.1 | 467.6 | 420.3 | 400.3 | 378.4 | 342.0 | 309.3 | 276.5 | 251.1 | 229.2 |
| 30° | 507.6 | 460.3 | 422.1 | 376.6 | 358.4 | 336.6 | 305.7 | 272.9 | 245.6 | 222.0 | 202.0 |
| 32.5° | 453.0 | 407.5 | 371.2 | 332.9 | 316.6 | 294.7 | 267.4 | 238.3 | 212.9 | 192.9 | 176.5 |
| 35° | 396.6 | 358.4 | 323.8 | 287.5 | 274.7 | 256.5 | 231.1 | 205.6 | 183.8 | 165.6 | 149.2 |
| 37.5° | 340.2 | 309.3 | 278.4 | 249.3 | 234.7 | 220.1 | 196.5 | 174.7 | 154.6 | 140.1 | 127.4 |
| 40° | 289.3 | 262.0 | 236.5 | 209.2 | 196.5 | 185.6 | 165.6 | 147.4 | 132.8 | 120.1 | 109.2 |
| 42.5° | 240.2 | 218.3 | 196.5 | 174.7 | 163.7 | 154.6 | 138.3 | 121.9 | 109.2 | 100.1 | 91.0 |
| 45° | 196.5 | 180.1 | 161.9 | 141.9 | 136.5 | 125.5 | 112.8 | 101.9 | 91.0 | 83.7 | 76.4 |
| 47.5° | 158.3 | 143.7 | 129.2 | 114.6 | 109.2 | 101.9 | 91.0 | 81.9 | 74.6 | 69.1 | 63.7 |
| 50° | 123.7 | 112.8 | 103.7 | 91.0 | 87.3 | 80.1 | 72.8 | 65.5 | 60.0 | 56.4 | 52.8 |
| 52.5° | 94.6 | 85.5 | 78.2 | 71.0 | 67.3 | 63.7 | 56.4 | 52.8 | 49.1 | 47.3 | 45.5 |
| 55° | 69.1 | 63.7 | 58.2 | 52.8 | 50.9 | 47.3 | 43.7 | 40.0 | 38.2 | 38.2 | 38.2 |
| 57.5° | 49.1 | 45.5 | 41.8 | 38.2 | 38.2 | 36.4 | 34.6 | 32.7 | 30.9 | 30.9 | 30.9 |
| 60° | 34.6 | 32.7 | 30.9 | 29.1 | 27.3 | 27.3 | 25.5 | 27.3 | 25.5 | 27.3 | 27.3 |
| 62.5° | 23.7 | 21.8 | 21.8 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 21.8 | 21.8 | 23.7 |
| 65° | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 16.4 | 16.4 | 16.4 | 18.2 | 18.2 |
| 67.5° | 10.9 | 10.9 | 10.9 | 12.7 | 12.7 | 12.7 | 12.7 | 14.6 | 14.6 | 14.6 | 16.4 |
| 70° | 7.3 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 10.9 | 10.9 | 10.9 | 12.7 | 12.7 |
| 72.5° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 9.1 | 9.1 | 9.1 | 10.9 | 10.9 |
| 75° | 5.5 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 9.1 | 9.1 | 9.1 | 10.9 |
| 77.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 7.3 | 7.3 | 7.3 | 7.3 |
| 80° | 3.6 | 3.6 | 3.6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 7.3 |
| 82.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 5.5 |
| 85° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 3.6 | 1.8 | 3.6 | 3.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 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: P226244

CATALOG NUMBER: LD2B10D010 EU2B10WW8030 2LBSW*

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 |
| 2.5° | 524.0 | 518.5 | 520.3 | 509.4 | 511.2 | 504.0 | 500.3 | 494.9 | 491.2 | 485.8 | 487.6 |
| 5° | 502.1 | 493.1 | 489.4 | 476.7 | 478.5 | 467.6 | 460.3 | 451.2 | 443.9 | 434.8 | 433.0 |
| 7.5° | 474.9 | 460.3 | 454.8 | 442.1 | 440.3 | 425.7 | 416.6 | 405.7 | 396.6 | 387.5 | 383.9 |
| 10° | 443.9 | 427.6 | 416.6 | 403.9 | 402.1 | 385.7 | 374.8 | 363.9 | 353.0 | 343.9 | 340.2 |
| 12.5° | 411.2 | 393.0 | 380.2 | 365.7 | 362.1 | 347.5 | 334.8 | 323.8 | 312.9 | 303.8 | 298.4 |
| 15° | 376.6 | 356.6 | 343.9 | 329.3 | 325.7 | 309.3 | 298.4 | 285.6 | 276.5 | 267.4 | 263.8 |
| 17.5° | 342.0 | 322.0 | 307.5 | 294.7 | 291.1 | 274.7 | 262.0 | 252.9 | 242.0 | 236.5 | 231.1 |
| 20° | 307.5 | 287.5 | 272.9 | 262.0 | 256.5 | 243.8 | 231.1 | 222.0 | 212.9 | 207.4 | 202.0 |
| 22.5° | 272.9 | 254.7 | 242.0 | 231.1 | 227.4 | 214.7 | 203.8 | 194.7 | 189.2 | 181.9 | 178.3 |
| 25° | 242.0 | 223.8 | 212.9 | 202.0 | 198.3 | 187.4 | 180.1 | 171.0 | 165.6 | 160.1 | 156.5 |
| 27.5° | 212.9 | 196.5 | 185.6 | 176.5 | 174.7 | 165.6 | 156.5 | 151.0 | 145.6 | 141.9 | 140.1 |
| 30° | 183.8 | 171.0 | 161.9 | 154.6 | 152.8 | 143.7 | 136.5 | 132.8 | 127.4 | 125.5 | 123.7 |
| 32.5° | 161.9 | 149.2 | 141.9 | 134.6 | 132.8 | 125.5 | 121.9 | 116.4 | 112.8 | 111.0 | 111.0 |
| 35° | 138.3 | 129.2 | 121.9 | 118.3 | 116.4 | 111.0 | 105.5 | 103.7 | 100.1 | 98.2 | 98.2 |
| 37.5° | 118.3 | 111.0 | 105.5 | 100.1 | 100.1 | 96.4 | 92.8 | 91.0 | 89.1 | 89.1 | 87.3 |
| 40° | 101.9 | 94.6 | 92.8 | 89.1 | 87.3 | 85.5 | 83.7 | 81.9 | 80.1 | 80.1 | 80.1 |
| 42.5° | 85.5 | 81.9 | 78.2 | 76.4 | 76.4 | 74.6 | 72.8 | 72.8 | 71.0 | 72.8 | 72.8 |
| 45° | 72.8 | 69.1 | 67.3 | 65.5 | 67.3 | 65.5 | 65.5 | 63.7 | 65.5 | 65.5 | 65.5 |
| 47.5° | 61.9 | 60.0 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 60.0 | 60.0 |
| 50° | 52.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 52.8 | 52.8 | 52.8 | 54.6 | 54.6 |
| 52.5° | 43.7 | 43.7 | 43.7 | 43.7 | 45.5 | 45.5 | 47.3 | 47.3 | 49.1 | 49.1 | 50.9 |
| 55° | 38.2 | 38.2 | 38.2 | 38.2 | 40.0 | 40.0 | 41.8 | 43.7 | 43.7 | 45.5 | 47.3 |
| 57.5° | 32.7 | 32.7 | 34.6 | 34.6 | 36.4 | 36.4 | 38.2 | 40.0 | 40.0 | 41.8 | 43.7 |
| 60° | 27.3 | 29.1 | 30.9 | 30.9 | 30.9 | 32.7 | 34.6 | 36.4 | 36.4 | 38.2 | 40.0 |
| 62.5° | 23.7 | 25.5 | 27.3 | 27.3 | 27.3 | 29.1 | 30.9 | 32.7 | 32.7 | 34.6 | 36.4 |
| 65° | 20.0 | 21.8 | 23.7 | 23.7 | 23.7 | 25.5 | 27.3 | 29.1 | 30.9 | 30.9 | 32.7 |
| 67.5° | 18.2 | 18.2 | 20.0 | 20.0 | 21.8 | 23.7 | 23.7 | 25.5 | 27.3 | 29.1 | 30.9 |
| 70° | 14.6 | 16.4 | 18.2 | 18.2 | 18.2 | 20.0 | 21.8 | 23.7 | 23.7 | 25.5 | 27.3 |
| 72.5° | 12.7 | 12.7 | 14.6 | 14.6 | 16.4 | 18.2 | 18.2 | 20.0 | 21.8 | 21.8 | 23.7 |
| 75° | 10.9 | 12.7 | 12.7 | 12.7 | 14.6 | 14.6 | 16.4 | 18.2 | 18.2 | 20.0 | 20.0 |
| 77.5° | 9.1 | 9.1 | 10.9 | 10.9 | 10.9 | 12.7 | 12.7 | 14.6 | 14.6 | 16.4 | 16.4 |
| 80° | 7.3 | 7.3 | 9.1 | 9.1 | 9.1 | 9.1 | 10.9 | 10.9 | 12.7 | 12.7 | 12.7 |
| 82.5° | 5.5 | 5.5 | 5.5 | 5.5 | 7.3 | 7.3 | 7.3 | 7.3 | 9.1 | 9.1 | 9.1 |
| 85° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 7.3 |
| 87.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 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: P226244

CATALOG NUMBER: LD2B10D010 EU2B10WW8030 2LBSW*

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 | 540.4 |
| 2.5° | 482.1 | 482.1 | 480.3 | 478.5 | 476.7 | 474.9 | 473.0 | 471.2 |
| 5° | 427.6 | 429.4 | 422.1 | 420.3 | 420.3 | 416.6 | 418.5 | 414.8 |
| 7.5° | 376.6 | 376.6 | 371.2 | 369.3 | 367.5 | 363.9 | 362.1 | 360.2 |
| 10° | 331.1 | 329.3 | 325.7 | 323.8 | 320.2 | 318.4 | 318.4 | 314.8 |
| 12.5° | 291.1 | 289.3 | 285.6 | 283.8 | 280.2 | 278.4 | 276.5 | 274.7 |
| 15° | 256.5 | 254.7 | 251.1 | 249.3 | 247.4 | 243.8 | 243.8 | 242.0 |
| 17.5° | 223.8 | 222.0 | 220.1 | 216.5 | 216.5 | 212.9 | 211.0 | 211.0 |
| 20° | 198.3 | 196.5 | 192.9 | 191.0 | 191.0 | 189.2 | 189.2 | 185.6 |
| 22.5° | 174.7 | 172.8 | 171.0 | 169.2 | 169.2 | 167.4 | 165.6 | 165.6 |
| 25° | 154.6 | 152.8 | 151.0 | 151.0 | 149.2 | 147.4 | 147.4 | 147.4 |
| 27.5° | 136.5 | 136.5 | 134.6 | 134.6 | 134.6 | 132.8 | 132.8 | 131.0 |
| 30° | 121.9 | 121.9 | 120.1 | 120.1 | 120.1 | 118.3 | 120.1 | 118.3 |
| 32.5° | 109.2 | 109.2 | 109.2 | 109.2 | 109.2 | 107.3 | 107.3 | 107.3 |
| 35° | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 96.4 | 98.2 | 96.4 |
| 37.5° | 87.3 | 89.1 | 87.3 | 87.3 | 89.1 | 87.3 | 87.3 | 87.3 |
| 40° | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 42.5° | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 45° | 65.5 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 47.5° | 61.9 | 61.9 | 61.9 | 61.9 | 63.7 | 61.9 | 63.7 | 63.7 |
| 50° | 56.4 | 56.4 | 56.4 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 52.5° | 52.8 | 52.8 | 52.8 | 52.8 | 54.6 | 54.6 | 54.6 | 54.6 |
| 55° | 47.3 | 49.1 | 49.1 | 49.1 | 50.9 | 50.9 | 50.9 | 50.9 |
| 57.5° | 45.5 | 45.5 | 45.5 | 47.3 | 47.3 | 47.3 | 49.1 | 47.3 |
| 60° | 41.8 | 41.8 | 43.7 | 43.7 | 43.7 | 45.5 | 45.5 | 45.5 |
| 62.5° | 38.2 | 40.0 | 40.0 | 40.0 | 40.0 | 41.8 | 41.8 | 41.8 |
| 65° | 34.6 | 36.4 | 36.4 | 36.4 | 38.2 | 38.2 | 38.2 | 38.2 |
| 67.5° | 30.9 | 32.7 | 32.7 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| 70° | 27.3 | 29.1 | 29.1 | 29.1 | 30.9 | 30.9 | 30.9 | 30.9 |
| 72.5° | 25.5 | 25.5 | 25.5 | 27.3 | 27.3 | 27.3 | 29.1 | 27.3 |
| 75° | 21.8 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 25.5 | 25.5 |
| 77.5° | 18.2 | 18.2 | 18.2 | 18.2 | 20.0 | 20.0 | 20.0 | 20.0 |
| 80° | 14.6 | 14.6 | 14.6 | 14.6 | 16.4 | 16.4 | 16.4 | 16.4 |
| 82.5° | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 |
| 85° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| 87.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 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)