

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: P274447

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-7)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SINGLE WALLWASH WITH HAZE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1322.3 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

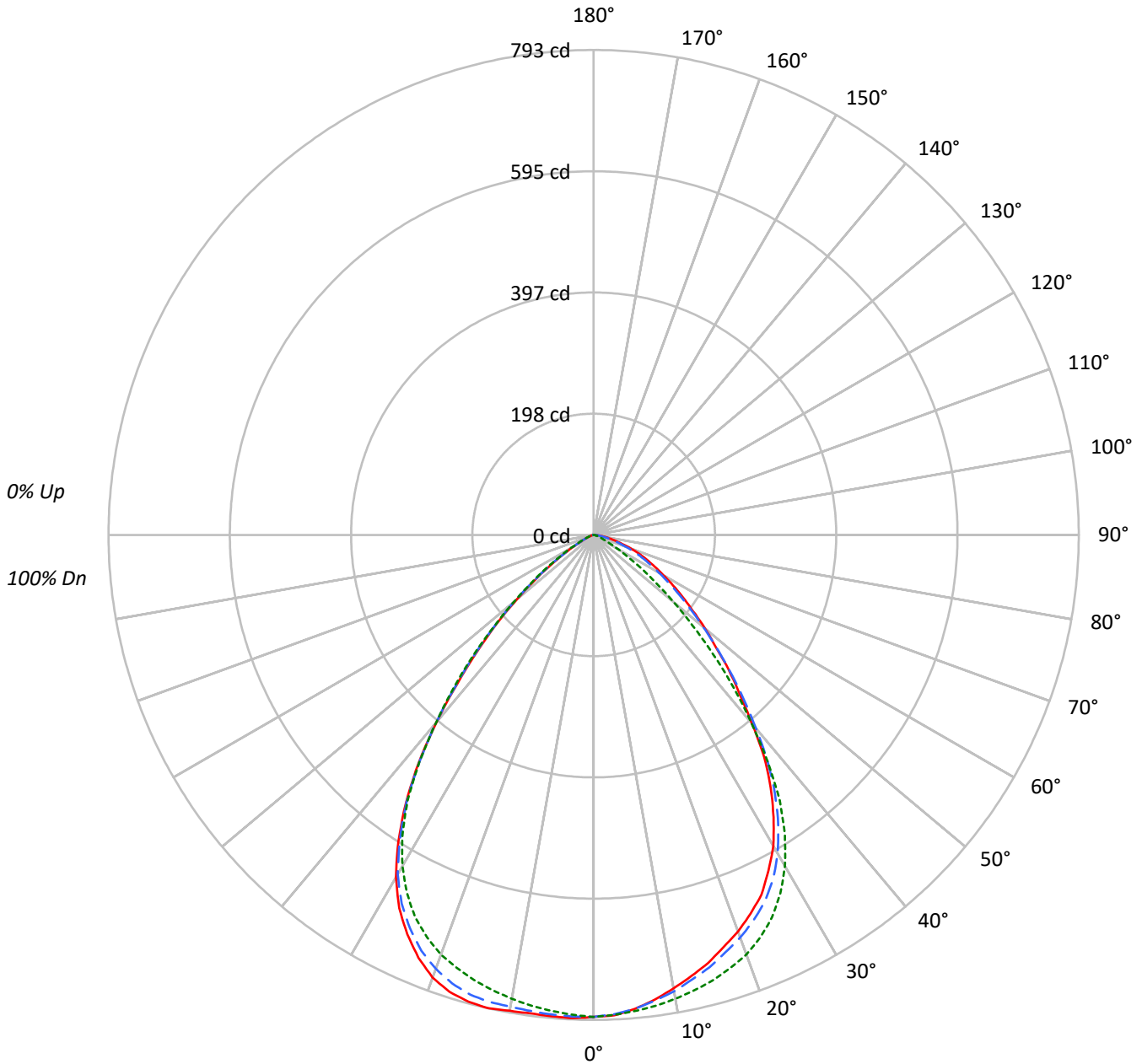
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274447

CATALOG NUMBER: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H

Luminous Intensity Polar Plot





TEST NUMBER: P274447

CATALOG NUMBER: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H

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 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | | | | | | | | | | | | | | | | | |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 85 | 82 | 80 | | | | | | | | | | | | | | | | | | | |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 | | | | | | | | | | | | | | | | | | | |
| 4 | 91 | 81 | 74 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 69 | 66 | 64 | | | | | | | | | | | | | | | | | | | |
| 5 | 85 | 74 | 67 | 62 | 83 | 73 | 66 | 61 | 71 | 65 | 61 | 70 | 64 | 60 | 68 | 63 | 60 | 58 | | | | | | | | | | | | | | | | | | | |
| 6 | 79 | 68 | 61 | 55 | 78 | 67 | 60 | 55 | 66 | 59 | 55 | 64 | 59 | 54 | 63 | 58 | 54 | 52 | | | | | | | | | | | | | | | | | | | |
| 7 | 74 | 63 | 55 | 50 | 73 | 62 | 55 | 50 | 61 | 54 | 50 | 59 | 54 | 49 | 58 | 53 | 49 | 47 | | | | | | | | | | | | | | | | | | | |
| 8 | 70 | 58 | 51 | 46 | 68 | 57 | 50 | 46 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | | | | | | | | | | | | | | | | | | | |
| 9 | 65 | 54 | 47 | 42 | 64 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 46 | 41 | 50 | 45 | 41 | 40 | | | | | | | | | | | | | | | | | | | |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 51423 | 51423 | 51423 |
| 5° | 50931 | 51180 | 51744 |
| 10° | 49877 | 51017 | 52342 |
| 15° | 48927 | 50920 | 53365 |
| 20° | 47912 | 50689 | 53466 |
| 25° | 46733 | 49677 | 51872 |
| 30° | 44243 | 47114 | 48688 |
| 35° | 40180 | 42227 | 42610 |
| 40° | 34288 | 34126 | 33964 |
| 45° | 28805 | 25557 | 24764 |
| 50° | 24055 | 17295 | 16422 |
| 55° | 20246 | 10612 | 9634 |
| 60° | 17145 | 5585 | 4841 |
| 65° | 14835 | 2933 | 2346 |
| 70° | 12342 | 1812 | 1278 |
| 75° | 9125 | 1210 | 731 |
| 80° | 7138 | 714 | 376 |
| 85° | 5689 | 749 | 0 |



TEST NUMBER: P274447

CATALOG NUMBER: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.3 | 5.6 |
| 10°-20° | 212.7 | 16.1 |
| 20°-30° | 314.1 | 23.8 |
| 30°-40° | 323.7 | 24.5 |
| 40°-50° | 223.6 | 16.9 |
| 50°-60° | 110.2 | 8.3 |
| 60°-70° | 44.6 | 3.4 |
| 70°-80° | 15.9 | 1.2 |
| 80°-90° | 3.3 | 0.2 |
| 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° | 601.0 | 45.5 |
| 0°-40° | 924.7 | 69.9 |
| 0°-60° | 1258.4 | 95.2 |
| 0°-90° | 1322.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1322.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 788 | 788 | 788 | 788 | 788 | |
| 5° | 778 | 778 | 782 | 787 | 790 | 73 |
| 15° | 724 | 732 | 754 | 779 | 790 | 204 |
| 25° | 649 | 662 | 690 | 710 | 721 | 297 |
| 35° | 504 | 517 | 530 | 533 | 535 | 313 |
| 45° | 312 | 314 | 277 | 273 | 268 | 241 |
| 55° | 178 | 171 | 93 | 88 | 85 | 161 |
| 65° | 96 | 87 | 19 | 15 | 15 | 95 |
| 75° | 36 | 30 | 5 | 3 | 3 | 41 |
| 85° | 8 | 6 | 1 | 0 | 0 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P274447

CATALOG NUMBER: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 |
| 2.5° | 786.3 | 783.4 | 785.3 | 781.5 | 786.3 | 781.5 | 782.4 | 783.4 | 782.4 | 783.4 | 784.3 |
| 5° | 777.7 | 774.8 | 777.7 | 772.9 | 777.7 | 774.8 | 774.8 | 775.8 | 775.8 | 776.7 | 777.7 |
| 7.5° | 766.3 | 763.4 | 766.3 | 761.5 | 767.2 | 764.4 | 764.4 | 766.3 | 765.3 | 766.3 | 768.2 |
| 10° | 752.9 | 749.1 | 752.0 | 749.1 | 754.8 | 751.0 | 752.9 | 752.9 | 752.9 | 755.8 | 757.7 |
| 12.5° | 738.7 | 734.8 | 738.7 | 733.9 | 739.6 | 736.8 | 737.7 | 740.6 | 741.5 | 743.4 | 744.4 |
| 15° | 724.4 | 719.6 | 721.5 | 718.7 | 724.4 | 721.5 | 722.5 | 726.3 | 726.3 | 729.1 | 732.0 |
| 17.5° | 706.3 | 702.5 | 706.3 | 702.5 | 707.2 | 705.3 | 707.2 | 710.1 | 710.1 | 713.0 | 715.8 |
| 20° | 690.1 | 686.3 | 689.2 | 686.3 | 692.0 | 689.2 | 690.1 | 693.9 | 694.9 | 697.7 | 700.6 |
| 22.5° | 670.1 | 667.3 | 669.2 | 666.3 | 672.0 | 670.1 | 671.1 | 674.9 | 675.8 | 677.7 | 682.5 |
| 25° | 649.2 | 643.5 | 646.3 | 644.4 | 650.1 | 647.3 | 649.2 | 653.0 | 654.9 | 657.7 | 661.6 |
| 27.5° | 618.7 | 615.9 | 617.8 | 617.8 | 622.5 | 619.7 | 620.6 | 624.4 | 627.3 | 630.1 | 634.9 |
| 30° | 587.3 | 582.5 | 584.5 | 585.4 | 589.2 | 587.3 | 589.2 | 593.0 | 594.0 | 597.8 | 601.6 |
| 32.5° | 547.3 | 545.4 | 549.2 | 547.3 | 549.2 | 549.2 | 550.2 | 553.0 | 554.9 | 556.8 | 561.6 |
| 35° | 504.5 | 500.7 | 504.5 | 502.6 | 507.4 | 504.5 | 507.4 | 510.2 | 510.2 | 514.0 | 516.9 |
| 37.5° | 457.9 | 453.1 | 455.0 | 455.0 | 456.9 | 455.9 | 455.9 | 460.7 | 461.7 | 464.5 | 467.4 |
| 40° | 402.6 | 400.7 | 404.5 | 403.6 | 404.5 | 404.5 | 405.5 | 408.4 | 410.3 | 411.2 | 412.2 |
| 42.5° | 353.1 | 354.1 | 355.1 | 355.1 | 355.1 | 355.1 | 355.1 | 358.9 | 357.9 | 360.8 | 361.7 |
| 45° | 312.2 | 308.4 | 310.3 | 309.4 | 312.2 | 309.4 | 312.2 | 315.1 | 313.2 | 316.0 | 314.1 |
| 47.5° | 270.3 | 270.3 | 270.3 | 269.4 | 271.3 | 270.3 | 272.2 | 273.2 | 273.2 | 273.2 | 272.2 |
| 50° | 237.0 | 234.2 | 235.1 | 235.1 | 236.1 | 235.1 | 237.0 | 238.0 | 238.0 | 236.1 | 232.3 |
| 52.5° | 204.7 | 203.7 | 203.7 | 205.6 | 205.6 | 204.7 | 204.7 | 204.7 | 204.7 | 201.8 | 199.9 |
| 55° | 178.0 | 176.1 | 177.0 | 177.0 | 177.0 | 177.0 | 178.0 | 177.0 | 177.0 | 174.2 | 171.3 |
| 57.5° | 154.2 | 152.3 | 152.3 | 152.3 | 153.3 | 152.3 | 152.3 | 152.3 | 151.3 | 148.5 | 144.7 |
| 60° | 131.4 | 130.4 | 131.4 | 131.4 | 132.3 | 131.4 | 131.4 | 131.4 | 129.5 | 126.6 | 122.8 |
| 62.5° | 112.3 | 112.3 | 112.3 | 113.3 | 113.3 | 112.3 | 112.3 | 111.4 | 110.4 | 106.6 | 102.8 |
| 65° | 96.1 | 95.2 | 96.1 | 96.1 | 97.1 | 97.1 | 96.1 | 95.2 | 94.2 | 90.4 | 86.6 |
| 67.5° | 80.0 | 79.0 | 80.0 | 80.0 | 80.9 | 80.0 | 80.0 | 80.0 | 77.1 | 75.2 | 71.4 |
| 70° | 64.7 | 63.8 | 63.8 | 63.8 | 64.7 | 62.8 | 63.8 | 63.8 | 61.9 | 59.0 | 55.2 |
| 72.5° | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 48.5 | 48.5 | 46.6 | 43.8 | 41.9 |
| 75° | 36.2 | 36.2 | 37.1 | 37.1 | 36.2 | 36.2 | 36.2 | 35.2 | 34.3 | 32.4 | 30.5 |
| 77.5° | 26.7 | 26.7 | 26.7 | 26.7 | 25.7 | 25.7 | 25.7 | 24.7 | 23.8 | 22.8 | 20.9 |
| 80° | 19.0 | 19.0 | 19.0 | 18.1 | 19.0 | 18.1 | 18.1 | 18.1 | 16.2 | 15.2 | 14.3 |
| 82.5° | 13.3 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 11.4 | 11.4 | 10.5 | 9.5 |
| 85° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 6.7 | 5.7 | 5.7 |
| 87.5° | 3.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.8 | 3.8 | 3.8 | 2.9 |
| 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: P274447

CATALOG NUMBER: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 |
| 2.5° | 784.3 | 784.3 | 786.3 | 783.4 | 788.2 | 785.3 | 784.3 | 789.1 | 786.3 | 785.3 | 787.2 |
| 5° | 777.7 | 778.6 | 779.6 | 777.7 | 782.4 | 779.6 | 779.6 | 784.3 | 782.4 | 781.5 | 784.3 |
| 7.5° | 769.1 | 770.1 | 772.0 | 771.0 | 774.8 | 772.9 | 773.9 | 778.6 | 776.7 | 776.7 | 779.6 |
| 10° | 758.6 | 760.6 | 762.5 | 762.5 | 767.2 | 765.3 | 765.3 | 771.0 | 769.1 | 770.1 | 773.9 |
| 12.5° | 746.3 | 749.1 | 752.0 | 752.9 | 757.7 | 754.8 | 755.8 | 762.5 | 761.5 | 762.5 | 766.3 |
| 15° | 732.9 | 736.8 | 739.6 | 739.6 | 745.3 | 742.5 | 745.3 | 752.0 | 750.1 | 753.9 | 758.6 |
| 17.5° | 717.7 | 721.5 | 725.3 | 726.3 | 732.0 | 730.1 | 733.9 | 740.6 | 740.6 | 742.5 | 748.2 |
| 20° | 703.4 | 708.2 | 710.1 | 713.0 | 718.7 | 717.7 | 719.6 | 727.2 | 727.2 | 730.1 | 735.8 |
| 22.5° | 684.4 | 689.2 | 693.0 | 695.8 | 700.6 | 700.6 | 703.4 | 710.1 | 710.1 | 712.0 | 717.7 |
| 25° | 663.5 | 669.2 | 672.0 | 674.9 | 679.6 | 678.7 | 681.5 | 687.3 | 688.2 | 690.1 | 695.8 |
| 27.5° | 636.8 | 641.6 | 645.4 | 647.3 | 653.9 | 650.1 | 653.0 | 659.7 | 658.7 | 660.6 | 665.4 |
| 30° | 603.5 | 608.2 | 612.1 | 612.1 | 617.8 | 617.8 | 620.6 | 623.5 | 623.5 | 625.4 | 629.2 |
| 32.5° | 564.5 | 570.2 | 570.2 | 573.0 | 576.8 | 573.0 | 576.8 | 580.6 | 578.7 | 581.6 | 584.5 |
| 35° | 519.7 | 522.6 | 523.5 | 523.5 | 526.4 | 525.4 | 524.5 | 527.3 | 525.4 | 530.2 | 533.1 |
| 37.5° | 465.5 | 469.3 | 467.4 | 469.3 | 468.3 | 465.5 | 465.5 | 470.2 | 466.4 | 467.4 | 470.2 |
| 40° | 413.1 | 413.1 | 412.2 | 407.4 | 408.4 | 405.5 | 404.5 | 405.5 | 401.7 | 400.7 | 404.5 |
| 42.5° | 358.9 | 357.9 | 355.1 | 348.4 | 349.3 | 344.6 | 340.8 | 340.8 | 338.9 | 337.9 | 338.9 |
| 45° | 310.3 | 307.5 | 302.7 | 295.1 | 293.2 | 289.4 | 281.8 | 279.9 | 277.0 | 277.0 | 277.9 |
| 47.5° | 265.6 | 261.8 | 254.2 | 245.6 | 240.8 | 236.1 | 228.5 | 225.6 | 220.8 | 218.9 | 220.8 |
| 50° | 228.5 | 221.8 | 212.3 | 199.9 | 195.1 | 189.4 | 181.8 | 177.0 | 172.3 | 170.4 | 169.4 |
| 52.5° | 194.2 | 184.7 | 175.1 | 159.9 | 156.1 | 150.4 | 139.9 | 135.2 | 130.4 | 126.6 | 126.6 |
| 55° | 164.7 | 156.1 | 142.8 | 128.5 | 122.8 | 117.1 | 106.6 | 99.9 | 95.2 | 93.3 | 91.4 |
| 57.5° | 138.0 | 128.5 | 116.1 | 100.9 | 95.2 | 89.5 | 79.0 | 72.3 | 67.6 | 64.7 | 62.8 |
| 60° | 116.1 | 105.7 | 93.3 | 80.0 | 73.3 | 67.6 | 57.1 | 50.4 | 45.7 | 42.8 | 40.9 |
| 62.5° | 95.2 | 86.6 | 74.2 | 61.9 | 56.2 | 50.4 | 41.9 | 35.2 | 30.5 | 28.6 | 25.7 |
| 65° | 80.0 | 71.4 | 60.0 | 49.5 | 44.7 | 39.0 | 31.4 | 25.7 | 21.9 | 19.0 | 17.1 |
| 67.5° | 64.7 | 58.1 | 48.5 | 39.0 | 34.3 | 30.5 | 23.8 | 19.0 | 15.2 | 13.3 | 12.4 |
| 70° | 51.4 | 44.7 | 37.1 | 29.5 | 26.7 | 22.8 | 18.1 | 13.3 | 11.4 | 9.5 | 8.6 |
| 72.5° | 38.1 | 33.3 | 27.6 | 21.9 | 19.0 | 17.1 | 12.4 | 10.5 | 7.6 | 6.7 | 5.7 |
| 75° | 27.6 | 23.8 | 20.0 | 15.2 | 13.3 | 12.4 | 9.5 | 6.7 | 5.7 | 4.8 | 3.8 |
| 77.5° | 19.0 | 17.1 | 13.3 | 10.5 | 9.5 | 8.6 | 6.7 | 4.8 | 3.8 | 2.9 | 2.9 |
| 80° | 12.4 | 10.5 | 8.6 | 6.7 | 6.7 | 5.7 | 3.8 | 2.9 | 2.9 | 1.9 | 1.9 |
| 82.5° | 7.6 | 6.7 | 5.7 | 4.8 | 3.8 | 3.8 | 2.9 | 1.9 | 1.9 | 1.0 | 1.0 |
| 85° | 4.8 | 3.8 | 2.9 | 2.9 | 1.9 | 1.9 | 1.9 | 1.0 | 1.0 | 1.0 | 1.0 |
| 87.5° | 1.9 | 1.9 | 1.9 | 1.0 | 1.0 | 1.0 | 1.0 | 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: P274447

CATALOG NUMBER: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 |
| 2.5° | 787.2 | 787.2 | 789.1 | 786.3 | 788.2 | 788.2 | 790.1 | 786.3 | 788.2 | 789.1 | 791.0 |
| 5° | 783.4 | 784.3 | 786.3 | 785.3 | 786.3 | 786.3 | 788.2 | 783.4 | 787.2 | 787.2 | 790.1 |
| 7.5° | 779.6 | 779.6 | 781.5 | 780.5 | 782.4 | 783.4 | 785.3 | 781.5 | 785.3 | 785.3 | 788.2 |
| 10° | 774.8 | 774.8 | 777.7 | 776.7 | 779.6 | 780.5 | 783.4 | 779.6 | 783.4 | 784.3 | 787.2 |
| 12.5° | 768.2 | 769.1 | 772.0 | 772.0 | 774.8 | 776.7 | 779.6 | 777.7 | 782.4 | 783.4 | 787.2 |
| 15° | 760.6 | 762.5 | 766.3 | 765.3 | 768.2 | 771.0 | 774.8 | 772.0 | 778.6 | 780.5 | 784.3 |
| 17.5° | 751.0 | 752.9 | 755.8 | 755.8 | 758.6 | 760.6 | 765.3 | 763.4 | 769.1 | 770.1 | 774.8 |
| 20° | 736.8 | 739.6 | 743.4 | 742.5 | 745.3 | 747.2 | 751.0 | 749.1 | 754.8 | 756.7 | 761.5 |
| 22.5° | 719.6 | 721.5 | 724.4 | 724.4 | 727.2 | 729.1 | 732.9 | 730.1 | 735.8 | 736.8 | 740.6 |
| 25° | 696.8 | 698.7 | 700.6 | 701.5 | 704.4 | 705.3 | 707.2 | 705.3 | 710.1 | 711.1 | 715.8 |
| 27.5° | 667.3 | 668.2 | 671.1 | 671.1 | 673.0 | 673.9 | 676.8 | 673.0 | 679.6 | 679.6 | 682.5 |
| 30° | 632.0 | 631.1 | 634.9 | 633.0 | 634.9 | 634.9 | 637.8 | 635.9 | 640.6 | 638.7 | 641.6 |
| 32.5° | 585.4 | 587.3 | 587.3 | 585.4 | 589.2 | 588.3 | 588.3 | 586.4 | 589.2 | 590.2 | 592.1 |
| 35° | 531.1 | 534.0 | 534.0 | 535.0 | 535.9 | 533.1 | 534.0 | 528.3 | 533.1 | 534.0 | 535.0 |
| 37.5° | 472.1 | 469.3 | 471.2 | 468.3 | 473.1 | 467.4 | 467.4 | 463.6 | 467.4 | 467.4 | 468.3 |
| 40° | 404.5 | 403.6 | 405.5 | 403.6 | 402.6 | 401.7 | 399.8 | 396.9 | 400.7 | 398.8 | 401.7 |
| 42.5° | 340.8 | 339.8 | 339.8 | 337.9 | 337.0 | 337.0 | 335.1 | 333.2 | 332.2 | 332.2 | 337.0 |
| 45° | 275.1 | 277.0 | 275.1 | 274.1 | 276.0 | 274.1 | 275.1 | 271.3 | 273.2 | 271.3 | 273.2 |
| 47.5° | 219.9 | 220.8 | 218.9 | 217.0 | 219.9 | 217.0 | 217.0 | 214.2 | 218.0 | 218.0 | 216.1 |
| 50° | 170.4 | 169.4 | 167.5 | 169.4 | 168.5 | 168.5 | 168.5 | 165.6 | 167.5 | 164.7 | 166.6 |
| 52.5° | 125.6 | 124.7 | 124.7 | 123.7 | 124.7 | 123.7 | 123.7 | 122.8 | 122.8 | 121.8 | 122.8 |
| 55° | 91.4 | 90.4 | 88.5 | 88.5 | 88.5 | 89.5 | 88.5 | 87.6 | 87.6 | 86.6 | 87.6 |
| 57.5° | 61.9 | 60.0 | 60.0 | 60.0 | 60.0 | 59.0 | 59.0 | 58.1 | 59.0 | 58.1 | 59.0 |
| 60° | 40.0 | 40.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 37.1 | 38.1 | 38.1 | 38.1 |
| 62.5° | 24.7 | 24.7 | 23.8 | 22.8 | 23.8 | 22.8 | 22.8 | 22.8 | 23.8 | 22.8 | 23.8 |
| 65° | 16.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 67.5° | 11.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 9.5 | 10.5 | 10.5 | 10.5 |
| 70° | 7.6 | 7.6 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 72.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 75° | 3.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 77.5° | 2.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 80° | 1.9 | 1.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 1.0 | 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 | 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: P274447

CATALOG NUMBER: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBSW0H

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 | 788.2 |
| 2.5° | 788.2 | 789.1 | 787.2 | 788.2 | 786.3 | 788.2 | 789.1 | 791.0 |
| 5° | 786.3 | 787.2 | 785.3 | 787.2 | 785.3 | 787.2 | 788.2 | 790.1 |
| 7.5° | 784.3 | 786.3 | 784.3 | 786.3 | 784.3 | 786.3 | 787.2 | 789.1 |
| 10° | 784.3 | 787.2 | 785.3 | 788.2 | 785.3 | 787.2 | 789.1 | 790.1 |
| 12.5° | 784.3 | 787.2 | 786.3 | 788.2 | 787.2 | 789.1 | 791.0 | 792.9 |
| 15° | 782.4 | 785.3 | 783.4 | 786.3 | 785.3 | 786.3 | 790.1 | 790.1 |
| 17.5° | 772.0 | 774.8 | 774.8 | 776.7 | 776.7 | 779.6 | 781.5 | 783.4 |
| 20° | 758.6 | 761.5 | 760.6 | 763.4 | 763.4 | 766.3 | 768.2 | 770.1 |
| 22.5° | 738.7 | 742.5 | 741.5 | 744.4 | 743.4 | 745.3 | 749.1 | 748.2 |
| 25° | 713.0 | 717.7 | 716.8 | 718.7 | 717.7 | 717.7 | 719.6 | 720.6 |
| 27.5° | 681.5 | 684.4 | 683.4 | 685.4 | 683.4 | 685.4 | 687.3 | 688.2 |
| 30° | 640.6 | 642.5 | 641.6 | 642.5 | 641.6 | 643.5 | 644.4 | 646.3 |
| 32.5° | 591.1 | 594.0 | 591.1 | 593.0 | 592.1 | 592.1 | 595.9 | 594.0 |
| 35° | 532.1 | 533.1 | 534.0 | 534.0 | 532.1 | 533.1 | 535.0 | 535.0 |
| 37.5° | 466.4 | 471.2 | 465.5 | 468.3 | 467.4 | 467.4 | 467.4 | 470.2 |
| 40° | 397.9 | 398.8 | 396.9 | 396.9 | 396.9 | 396.0 | 399.8 | 398.8 |
| 42.5° | 333.2 | 334.1 | 333.2 | 330.3 | 331.3 | 331.3 | 334.1 | 330.3 |
| 45° | 270.3 | 272.2 | 271.3 | 271.3 | 269.4 | 269.4 | 270.3 | 268.4 |
| 47.5° | 214.2 | 216.1 | 213.2 | 214.2 | 212.3 | 214.2 | 213.2 | 215.1 |
| 50° | 162.8 | 164.7 | 163.7 | 164.7 | 164.7 | 162.8 | 165.6 | 161.8 |
| 52.5° | 121.8 | 122.8 | 121.8 | 120.9 | 119.9 | 119.9 | 121.8 | 120.9 |
| 55° | 86.6 | 85.7 | 85.7 | 85.7 | 86.6 | 86.6 | 85.7 | 84.7 |
| 57.5° | 58.1 | 58.1 | 57.1 | 57.1 | 58.1 | 56.2 | 57.1 | 56.2 |
| 60° | 37.1 | 37.1 | 37.1 | 37.1 | 36.2 | 37.1 | 37.1 | 37.1 |
| 62.5° | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 |
| 65° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 67.5° | 9.5 | 10.5 | 10.5 | 10.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 70° | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 72.5° | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 75° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 77.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 80° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By E9808895 / USPTCWHP6082093





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













(END OF REPORT)