

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: P274430

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBSW0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1808-906-18)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBSW0LI
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SINGLE WALLWASH WITH SPECULAR FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1673.8 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.24 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

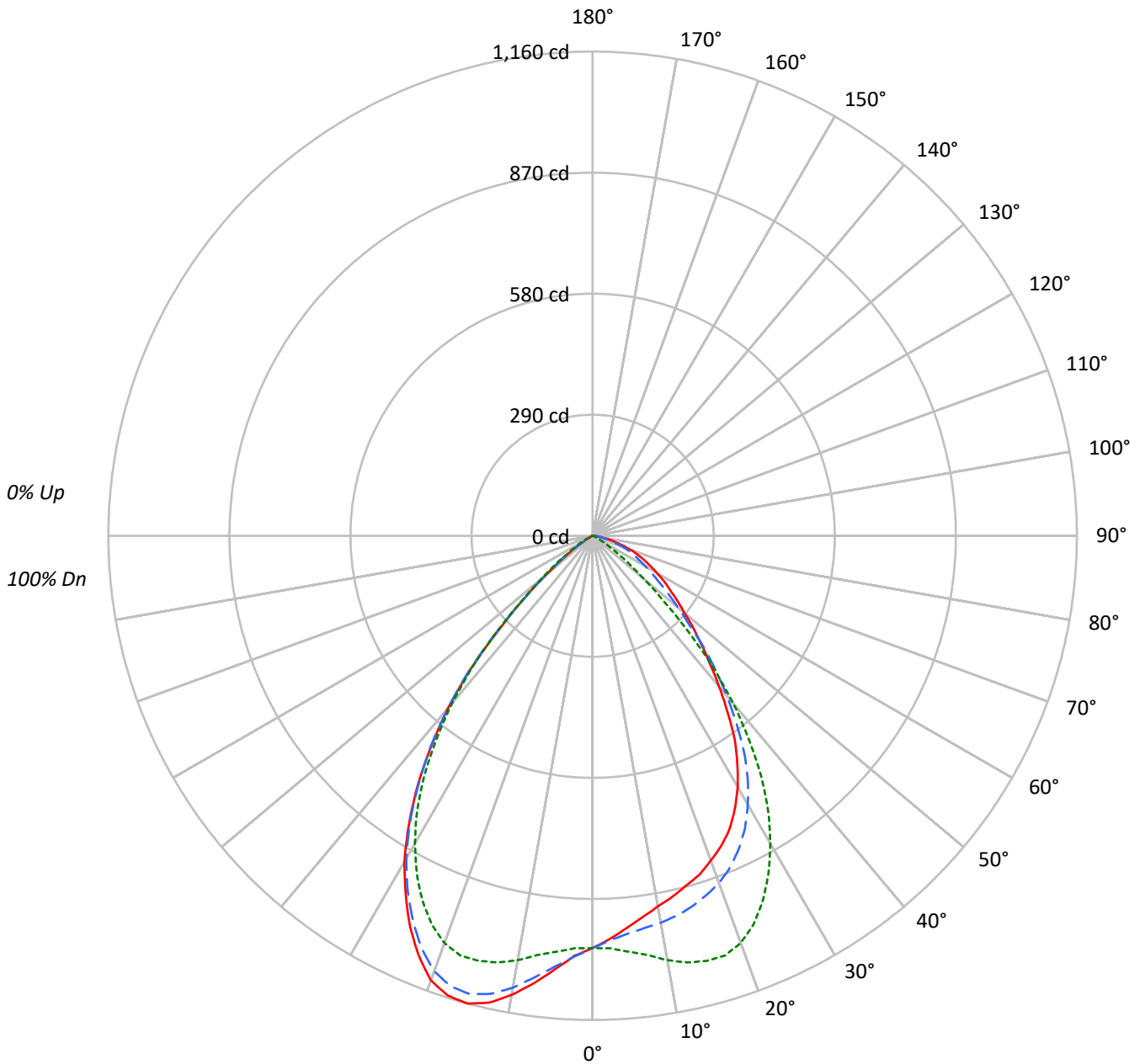
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274430

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBSW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P274430

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBSW0LI

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 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 92 | 91 | | | | | | | | | | | | | | | | | | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 85 | 83 | 81 | | | | | | | | | | | | | | | | | | | |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 78 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 73 | | | | | | | | | | | | | | | | | | | |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 66 | | | | | | | | | | | | | | | | | | | |
| 5 | 86 | 76 | 68 | 63 | 84 | 75 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | | | | | | | | | | | | | | | | | | |
| 6 | 80 | 70 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 56 | 54 | | | | | | | | | | | | | | | | | | | |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 57 | 52 | 62 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | | | | | | | | | | | | | | | | | |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 58 | 51 | 47 | 57 | 51 | 47 | 55 | 50 | 47 | 45 | | | | | | | | | | | | | | | | | | | |
| 9 | 67 | 55 | 48 | 44 | 65 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | | | | | | | | | | | | | | | | | | | |
| 10 | 63 | 52 | 45 | 40 | 62 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 48 | 43 | 40 | 38 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 54146 | 54146 | 54146 |
| 5° | 51882 | 55046 | 57418 |
| 10° | 50183 | 57481 | 62179 |
| 15° | 49228 | 59830 | 65840 |
| 20° | 48298 | 60555 | 66109 |
| 25° | 46926 | 58334 | 62568 |
| 30° | 43994 | 53888 | 57066 |
| 35° | 39659 | 47114 | 48914 |
| 40° | 33670 | 37399 | 38558 |
| 45° | 28546 | 24925 | 24367 |
| 50° | 24502 | 13475 | 12102 |
| 55° | 21629 | 6690 | 4980 |
| 60° | 19494 | 2949 | 1184 |
| 65° | 17473 | 1401 | 467 |
| 70° | 14970 | 1154 | 289 |
| 75° | 11416 | 763 | 0 |
| 80° | 7924 | 568 | 0 |
| 85° | 6793 | 0 | 0 |



TEST NUMBER: P274430

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBSW0LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.9 | 5.7 |
| 10°-20° | 289.9 | 17.3 |
| 20°-30° | 424.8 | 25.4 |
| 30°-40° | 421.1 | 25.2 |
| 40°-50° | 264.1 | 15.8 |
| 50°-60° | 107.2 | 6.4 |
| 60°-70° | 47.7 | 2.9 |
| 70°-80° | 19.7 | 1.2 |
| 80°-90° | 3.4 | 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° | 810.6 | 48.4 |
| 0°-40° | 1231.7 | 73.6 |
| 0°-60° | 1603.0 | 95.8 |
| 0°-90° | 1673.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1673.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 988 | 988 | 988 | 988 | 988 | |
| 5° | 943 | 957 | 1000 | 1036 | 1043 | 89 |
| 15° | 867 | 920 | 1054 | 1137 | 1160 | 245 |
| 25° | 776 | 828 | 964 | 1018 | 1034 | 355 |
| 35° | 593 | 632 | 704 | 727 | 731 | 366 |
| 45° | 368 | 374 | 322 | 322 | 314 | 287 |
| 55° | 226 | 194 | 70 | 56 | 52 | 205 |
| 65° | 135 | 110 | 11 | 4 | 4 | 133 |
| 75° | 54 | 41 | 4 | 2 | 0 | 59 |
| 85° | 11 | 5 | 0 | 0 | 0 | 12 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P274430

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 |
| 2.5° | 966.2 | 964.4 | 964.4 | 966.2 | 966.2 | 966.2 | 966.2 | 968.0 | 968.0 | 969.8 | 969.8 |
| 5° | 942.8 | 941.0 | 942.8 | 946.4 | 946.4 | 946.4 | 948.2 | 950.0 | 953.6 | 953.6 | 957.2 |
| 7.5° | 921.3 | 921.3 | 924.9 | 926.7 | 928.5 | 928.5 | 928.5 | 933.9 | 937.5 | 944.6 | 948.2 |
| 10° | 901.5 | 899.7 | 906.9 | 908.7 | 914.1 | 912.3 | 914.1 | 919.5 | 926.7 | 932.1 | 941.0 |
| 12.5° | 885.4 | 885.4 | 890.8 | 890.8 | 896.2 | 899.7 | 897.9 | 906.9 | 912.3 | 921.3 | 932.1 |
| 15° | 867.4 | 867.4 | 871.0 | 874.6 | 878.2 | 880.0 | 881.8 | 890.8 | 897.9 | 906.9 | 919.5 |
| 17.5° | 851.3 | 847.7 | 851.3 | 854.8 | 860.2 | 860.2 | 865.6 | 871.0 | 881.8 | 890.8 | 903.3 |
| 20° | 827.9 | 827.9 | 831.5 | 833.3 | 838.7 | 842.3 | 844.1 | 851.3 | 860.2 | 871.0 | 885.4 |
| 22.5° | 804.6 | 804.6 | 808.2 | 809.9 | 815.3 | 817.1 | 818.9 | 827.9 | 835.1 | 845.9 | 860.2 |
| 25° | 775.8 | 775.8 | 779.4 | 781.2 | 786.6 | 786.6 | 792.0 | 797.4 | 804.6 | 817.1 | 827.9 |
| 27.5° | 738.1 | 741.7 | 741.7 | 745.3 | 748.9 | 750.7 | 754.3 | 759.7 | 766.8 | 777.6 | 790.2 |
| 30° | 695.0 | 693.2 | 698.6 | 700.4 | 705.8 | 707.6 | 713.0 | 716.6 | 723.7 | 734.5 | 743.5 |
| 32.5° | 644.7 | 648.3 | 650.1 | 651.9 | 655.5 | 657.3 | 660.9 | 666.3 | 673.5 | 680.6 | 691.4 |
| 35° | 592.6 | 592.6 | 592.6 | 594.4 | 598.0 | 601.6 | 603.4 | 608.8 | 616.0 | 625.0 | 632.2 |
| 37.5° | 529.8 | 531.6 | 535.2 | 535.2 | 540.6 | 542.4 | 544.2 | 549.5 | 556.7 | 562.1 | 565.7 |
| 40° | 470.5 | 472.3 | 474.1 | 474.1 | 477.7 | 481.3 | 479.5 | 486.7 | 490.3 | 495.7 | 499.3 |
| 42.5° | 416.6 | 414.9 | 420.2 | 422.0 | 422.0 | 425.6 | 427.4 | 429.2 | 431.0 | 434.6 | 434.6 |
| 45° | 368.2 | 366.4 | 370.0 | 370.0 | 371.8 | 371.8 | 373.5 | 373.5 | 373.5 | 377.1 | 373.5 |
| 47.5° | 326.9 | 323.3 | 325.1 | 325.1 | 323.3 | 325.1 | 325.1 | 323.3 | 321.5 | 317.9 | 312.5 |
| 50° | 287.3 | 287.3 | 287.3 | 285.5 | 285.5 | 285.5 | 283.8 | 283.8 | 278.4 | 274.8 | 265.8 |
| 52.5° | 255.0 | 255.0 | 255.0 | 253.2 | 249.6 | 251.4 | 251.4 | 246.0 | 242.4 | 237.1 | 228.1 |
| 55° | 226.3 | 226.3 | 226.3 | 224.5 | 222.7 | 220.9 | 219.1 | 217.3 | 210.1 | 206.5 | 194.0 |
| 57.5° | 202.9 | 199.3 | 199.3 | 199.3 | 195.8 | 195.8 | 194.0 | 188.6 | 183.2 | 177.8 | 168.8 |
| 60° | 177.8 | 177.8 | 177.8 | 174.2 | 174.2 | 172.4 | 170.6 | 165.2 | 161.6 | 154.4 | 145.5 |
| 62.5° | 154.4 | 154.4 | 152.7 | 152.7 | 150.9 | 149.1 | 147.3 | 143.7 | 140.1 | 134.7 | 125.7 |
| 65° | 134.7 | 134.7 | 132.9 | 132.9 | 131.1 | 129.3 | 129.3 | 125.7 | 122.1 | 116.7 | 109.5 |
| 67.5° | 114.9 | 114.9 | 113.1 | 113.1 | 111.3 | 109.5 | 109.5 | 106.0 | 102.4 | 98.8 | 93.4 |
| 70° | 93.4 | 91.6 | 91.6 | 91.6 | 89.8 | 88.0 | 88.0 | 86.2 | 82.6 | 79.0 | 75.4 |
| 72.5° | 71.8 | 71.8 | 71.8 | 70.0 | 70.0 | 68.2 | 68.2 | 66.4 | 64.7 | 61.1 | 57.5 |
| 75° | 53.9 | 53.9 | 53.9 | 52.1 | 52.1 | 50.3 | 50.3 | 48.5 | 46.7 | 44.9 | 41.3 |
| 77.5° | 39.5 | 37.7 | 37.7 | 35.9 | 35.9 | 35.9 | 35.9 | 32.3 | 32.3 | 30.5 | 28.7 |
| 80° | 25.1 | 25.1 | 25.1 | 25.1 | 23.3 | 23.3 | 23.3 | 21.6 | 21.6 | 19.8 | 18.0 |
| 82.5° | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 | 14.4 | 14.4 | 14.4 | 12.6 | 12.6 | 10.8 |
| 85° | 10.8 | 10.8 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 7.2 | 7.2 | 7.2 | 5.4 |
| 87.5° | 5.4 | 5.4 | 5.4 | 5.4 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 |
| 2.5° | 973.4 | 973.4 | 980.6 | 978.8 | 980.6 | 978.8 | 984.1 | 985.9 | 987.7 | 989.5 | 991.3 |
| 5° | 964.4 | 966.2 | 971.6 | 975.2 | 977.0 | 977.0 | 985.9 | 989.5 | 994.9 | 1000.3 | 1003.9 |
| 7.5° | 957.2 | 962.6 | 969.8 | 977.0 | 980.6 | 980.6 | 993.1 | 998.5 | 1007.5 | 1012.9 | 1020.1 |
| 10° | 951.8 | 960.8 | 969.8 | 980.6 | 989.5 | 989.5 | 1005.7 | 1014.7 | 1023.7 | 1032.6 | 1043.4 |
| 12.5° | 941.0 | 955.4 | 966.2 | 980.6 | 989.5 | 989.5 | 1011.1 | 1023.7 | 1034.4 | 1047.0 | 1061.4 |
| 15° | 933.9 | 944.6 | 962.6 | 977.0 | 985.9 | 989.5 | 1012.9 | 1027.3 | 1039.8 | 1054.2 | 1068.6 |
| 17.5° | 919.5 | 932.1 | 950.0 | 968.0 | 978.8 | 984.1 | 1005.7 | 1020.1 | 1038.0 | 1054.2 | 1063.2 |
| 20° | 899.7 | 914.1 | 932.1 | 951.8 | 960.8 | 966.2 | 991.3 | 1003.9 | 1021.9 | 1038.0 | 1048.8 |
| 22.5° | 874.6 | 889.0 | 906.9 | 924.9 | 933.9 | 942.8 | 964.4 | 978.8 | 993.1 | 1007.5 | 1016.5 |
| 25° | 840.5 | 858.4 | 872.8 | 890.8 | 899.7 | 906.9 | 924.9 | 939.3 | 951.8 | 964.4 | 977.0 |
| 27.5° | 799.2 | 815.3 | 831.5 | 847.7 | 854.8 | 860.2 | 876.4 | 890.8 | 903.3 | 912.3 | 923.1 |
| 30° | 756.1 | 766.8 | 783.0 | 797.4 | 802.8 | 806.4 | 818.9 | 827.9 | 842.3 | 851.3 | 856.6 |
| 32.5° | 700.4 | 713.0 | 721.9 | 734.5 | 739.9 | 743.5 | 756.1 | 763.3 | 774.0 | 783.0 | 790.2 |
| 35° | 642.9 | 644.7 | 655.5 | 666.3 | 666.3 | 671.7 | 682.4 | 689.6 | 695.0 | 704.0 | 709.4 |
| 37.5° | 571.1 | 574.7 | 585.5 | 590.8 | 590.8 | 589.1 | 599.8 | 603.4 | 612.4 | 614.2 | 619.6 |
| 40° | 502.9 | 506.4 | 508.2 | 510.0 | 510.0 | 510.0 | 513.6 | 511.8 | 520.8 | 522.6 | 524.4 |
| 42.5° | 434.6 | 432.8 | 434.6 | 427.4 | 427.4 | 423.8 | 420.2 | 420.2 | 420.2 | 425.6 | 427.4 |
| 45° | 368.2 | 362.8 | 352.0 | 343.0 | 344.8 | 337.6 | 328.6 | 325.1 | 321.5 | 321.5 | 321.5 |
| 47.5° | 305.3 | 294.5 | 282.0 | 269.4 | 262.2 | 255.0 | 244.2 | 235.3 | 229.9 | 228.1 | 226.3 |
| 50° | 255.0 | 244.2 | 228.1 | 210.1 | 202.9 | 194.0 | 181.4 | 168.8 | 163.4 | 158.0 | 156.2 |
| 52.5° | 215.5 | 201.1 | 183.2 | 163.4 | 154.4 | 145.5 | 132.9 | 122.1 | 113.1 | 107.8 | 104.2 |
| 55° | 181.4 | 167.0 | 147.3 | 127.5 | 120.3 | 109.5 | 95.2 | 84.4 | 75.4 | 70.0 | 64.7 |
| 57.5° | 158.0 | 141.9 | 122.1 | 102.4 | 93.4 | 84.4 | 68.2 | 57.5 | 48.5 | 43.1 | 39.5 |
| 60° | 134.7 | 120.3 | 102.4 | 82.6 | 73.6 | 64.7 | 50.3 | 39.5 | 30.5 | 26.9 | 21.6 |
| 62.5° | 114.9 | 102.4 | 86.2 | 66.4 | 57.5 | 50.3 | 37.7 | 26.9 | 19.8 | 16.2 | 12.6 |
| 65° | 100.6 | 88.0 | 73.6 | 57.5 | 48.5 | 41.3 | 30.5 | 21.6 | 16.2 | 10.8 | 9.0 |
| 67.5° | 84.4 | 73.6 | 61.1 | 46.7 | 41.3 | 34.1 | 25.1 | 18.0 | 12.6 | 9.0 | 7.2 |
| 70° | 68.2 | 59.3 | 48.5 | 37.7 | 32.3 | 26.9 | 19.8 | 14.4 | 9.0 | 7.2 | 5.4 |
| 72.5° | 50.3 | 44.9 | 35.9 | 28.7 | 23.3 | 19.8 | 14.4 | 10.8 | 7.2 | 5.4 | 3.6 |
| 75° | 35.9 | 32.3 | 25.1 | 19.8 | 16.2 | 14.4 | 10.8 | 7.2 | 5.4 | 3.6 | 1.8 |
| 77.5° | 25.1 | 21.6 | 18.0 | 14.4 | 10.8 | 10.8 | 7.2 | 5.4 | 3.6 | 1.8 | 1.8 |
| 80° | 16.2 | 14.4 | 10.8 | 9.0 | 7.2 | 5.4 | 3.6 | 1.8 | 1.8 | 1.8 | 0.0 |
| 82.5° | 9.0 | 7.2 | 7.2 | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 |
| 85° | 5.4 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.8 | 1.8 | 1.8 | 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: P274430

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 |
| 2.5° | 993.1 | 994.9 | 996.7 | 998.5 | 1000.3 | 1000.3 | 1000.3 | 1005.7 | 1009.3 | 1009.3 | 1011.1 |
| 5° | 1007.5 | 1012.9 | 1012.9 | 1018.3 | 1020.1 | 1021.9 | 1023.7 | 1030.8 | 1036.2 | 1032.6 | 1038.0 |
| 7.5° | 1025.5 | 1038.0 | 1038.0 | 1043.4 | 1047.0 | 1048.8 | 1056.0 | 1063.2 | 1066.8 | 1068.6 | 1070.4 |
| 10° | 1050.6 | 1061.4 | 1066.8 | 1068.6 | 1073.9 | 1077.5 | 1086.5 | 1093.7 | 1099.1 | 1102.7 | 1106.3 |
| 12.5° | 1068.6 | 1079.3 | 1084.7 | 1093.7 | 1097.3 | 1102.7 | 1109.9 | 1117.0 | 1124.2 | 1129.6 | 1135.0 |
| 15° | 1079.3 | 1090.1 | 1097.3 | 1102.7 | 1108.1 | 1113.5 | 1120.6 | 1131.4 | 1136.8 | 1140.4 | 1145.8 |
| 17.5° | 1073.9 | 1086.5 | 1091.9 | 1100.9 | 1106.3 | 1109.9 | 1117.0 | 1124.2 | 1131.4 | 1133.2 | 1136.8 |
| 20° | 1056.0 | 1066.8 | 1075.7 | 1079.3 | 1084.7 | 1090.1 | 1095.5 | 1102.7 | 1109.9 | 1109.9 | 1117.0 |
| 22.5° | 1027.3 | 1038.0 | 1043.4 | 1045.2 | 1048.8 | 1057.8 | 1057.8 | 1066.8 | 1070.4 | 1072.1 | 1077.5 |
| 25° | 982.4 | 991.3 | 996.7 | 1000.3 | 1003.9 | 1005.7 | 1011.1 | 1018.3 | 1018.3 | 1021.9 | 1023.7 |
| 27.5° | 930.3 | 935.7 | 941.0 | 944.6 | 948.2 | 948.2 | 951.8 | 959.0 | 959.0 | 960.8 | 962.6 |
| 30° | 867.4 | 874.6 | 876.4 | 880.0 | 878.2 | 881.8 | 887.2 | 890.8 | 892.6 | 890.8 | 896.2 |
| 32.5° | 793.8 | 799.2 | 802.8 | 806.4 | 806.4 | 808.2 | 808.2 | 811.7 | 813.5 | 815.3 | 818.9 |
| 35° | 711.2 | 716.6 | 718.4 | 720.2 | 725.5 | 721.9 | 723.7 | 727.3 | 727.3 | 730.9 | 727.3 |
| 37.5° | 621.4 | 628.6 | 634.0 | 628.6 | 630.4 | 634.0 | 634.0 | 634.0 | 637.5 | 635.7 | 635.7 |
| 40° | 529.8 | 529.8 | 531.6 | 535.2 | 533.4 | 538.8 | 537.0 | 538.8 | 537.0 | 538.8 | 540.6 |
| 42.5° | 431.0 | 425.6 | 432.8 | 429.2 | 432.8 | 432.8 | 432.8 | 434.6 | 436.4 | 434.6 | 431.0 |
| 45° | 317.9 | 321.5 | 316.1 | 316.1 | 317.9 | 319.7 | 319.7 | 319.7 | 321.5 | 317.9 | 319.7 |
| 47.5° | 224.5 | 222.7 | 220.9 | 220.9 | 222.7 | 220.9 | 220.9 | 224.5 | 220.9 | 220.9 | 219.1 |
| 50° | 156.2 | 152.7 | 152.7 | 149.1 | 150.9 | 149.1 | 150.9 | 150.9 | 147.3 | 149.1 | 147.3 |
| 52.5° | 100.6 | 100.6 | 97.0 | 97.0 | 97.0 | 97.0 | 95.2 | 95.2 | 95.2 | 91.6 | 91.6 |
| 55° | 62.9 | 61.1 | 57.5 | 57.5 | 57.5 | 55.7 | 53.9 | 53.9 | 55.7 | 53.9 | 53.9 |
| 57.5° | 35.9 | 34.1 | 30.5 | 30.5 | 30.5 | 28.7 | 28.7 | 26.9 | 26.9 | 26.9 | 26.9 |
| 60° | 19.8 | 16.2 | 14.4 | 14.4 | 14.4 | 12.6 | 12.6 | 12.6 | 10.8 | 10.8 | 10.8 |
| 62.5° | 9.0 | 7.2 | 7.2 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 3.6 | 3.6 | 3.6 |
| 65° | 7.2 | 5.4 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 67.5° | 5.4 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 | 3.6 | 1.8 |
| 70° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 72.5° | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 0.0 | 1.8 | 1.8 | 1.8 |
| 77.5° | 1.8 | 1.8 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P274430

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 | 987.7 |
| 2.5° | 1012.9 | 1014.7 | 1011.1 | 1012.9 | 1012.9 | 1014.7 | 1011.1 | 1007.5 |
| 5° | 1043.4 | 1043.4 | 1041.6 | 1043.4 | 1041.6 | 1043.4 | 1045.2 | 1043.4 |
| 7.5° | 1077.5 | 1079.3 | 1081.1 | 1079.3 | 1079.3 | 1081.1 | 1082.9 | 1081.1 |
| 10° | 1111.7 | 1113.5 | 1117.0 | 1115.3 | 1118.8 | 1120.6 | 1117.0 | 1117.0 |
| 12.5° | 1136.8 | 1140.4 | 1144.0 | 1142.2 | 1145.8 | 1147.6 | 1147.6 | 1145.8 |
| 15° | 1149.4 | 1156.6 | 1156.6 | 1154.8 | 1158.4 | 1161.9 | 1161.9 | 1160.1 |
| 17.5° | 1144.0 | 1149.4 | 1149.4 | 1151.2 | 1153.0 | 1156.6 | 1154.8 | 1154.8 |
| 20° | 1122.4 | 1127.8 | 1126.0 | 1126.0 | 1127.8 | 1133.2 | 1131.4 | 1133.2 |
| 22.5° | 1082.9 | 1084.7 | 1086.5 | 1086.5 | 1086.5 | 1091.9 | 1090.1 | 1088.3 |
| 25° | 1030.8 | 1034.4 | 1034.4 | 1034.4 | 1036.2 | 1036.2 | 1036.2 | 1034.4 |
| 27.5° | 969.8 | 971.6 | 973.4 | 969.8 | 969.8 | 973.4 | 973.4 | 969.8 |
| 30° | 901.5 | 899.7 | 901.5 | 899.7 | 901.5 | 901.5 | 901.5 | 901.5 |
| 32.5° | 822.5 | 820.7 | 822.5 | 818.9 | 820.7 | 820.7 | 822.5 | 818.9 |
| 35° | 730.9 | 730.9 | 736.3 | 732.7 | 732.7 | 730.9 | 729.1 | 730.9 |
| 37.5° | 641.1 | 639.3 | 639.3 | 635.7 | 635.7 | 641.1 | 637.5 | 634.0 |
| 40° | 538.8 | 537.0 | 538.8 | 537.0 | 537.0 | 538.8 | 538.8 | 538.8 |
| 42.5° | 438.2 | 436.4 | 438.2 | 434.6 | 434.6 | 436.4 | 432.8 | 431.0 |
| 45° | 319.7 | 317.9 | 321.5 | 321.5 | 319.7 | 319.7 | 317.9 | 314.3 |
| 47.5° | 219.1 | 219.1 | 220.9 | 219.1 | 219.1 | 220.9 | 219.1 | 220.9 |
| 50° | 145.5 | 145.5 | 147.3 | 145.5 | 145.5 | 145.5 | 143.7 | 141.9 |
| 52.5° | 93.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 89.8 | 89.8 |
| 55° | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 50.3 | 52.1 | 52.1 |
| 57.5° | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 23.3 | 25.1 |
| 60° | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 62.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 65° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 67.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 70° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 72.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 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 |
| 85° | 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 |
| 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)