

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: P252673

Luminaire Tested: **LD6B15D010 EU6B10209730 6LBDW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-9)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15D010 EU6B10209730 6LBDW1H
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1021.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.21
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

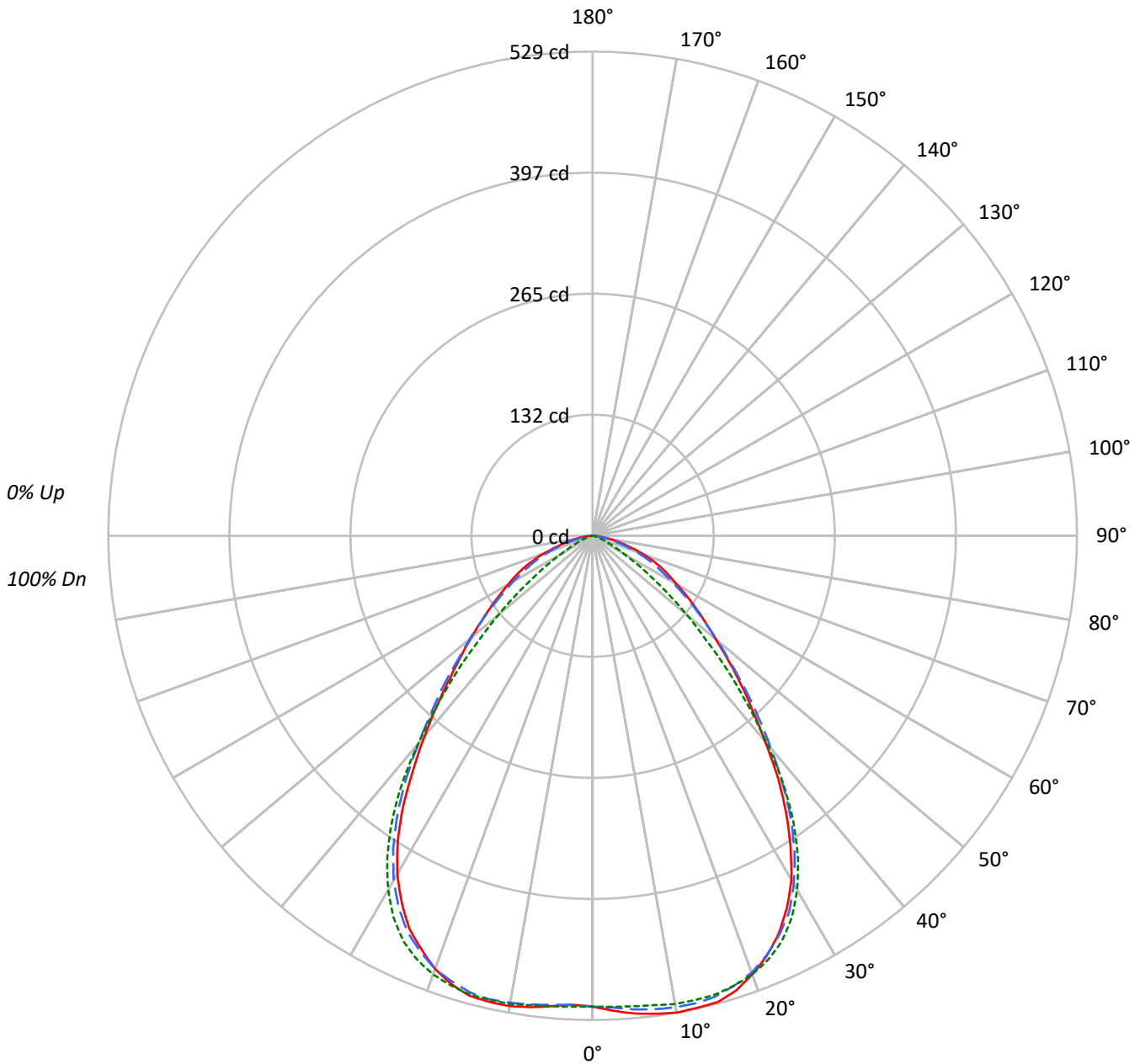
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252673

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBDW1H

Luminous Intensity Polar Plot





TEST NUMBER: P252673

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBDW1H

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 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | | | | | | | | | | | | | | | | | |
| 3 | 95 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 71 | 77 | 74 | 70 | 68 | | | | | | | | | | | | | | | | | | | |
| 4 | 89 | 78 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 61 | | | | | | | | | | | | | | | | | | | |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 54 | | | | | | | | | | | | | | | | | | | |
| 6 | 77 | 65 | 57 | 52 | 75 | 64 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 51 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 7 | 72 | 60 | 52 | 47 | 70 | 59 | 52 | 46 | 58 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 45 | 44 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 66 | 54 | 47 | 42 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 45 | 41 | 40 | | | | | | | | | | | | | | | | | | | |
| 9 | 63 | 51 | 43 | 38 | 62 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 36 | | | | | | | | | | | | | | | | | | | |
| 10 | 59 | 47 | 40 | 35 | 58 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 33560 | 33560 | 33560 |
| 5° | 34310 | 33786 | 33786 |
| 10° | 35045 | 34415 | 34561 |
| 15° | 35628 | 35041 | 35135 |
| 20° | 35408 | 35408 | 34957 |
| 25° | 34567 | 35193 | 34099 |
| 30° | 32725 | 33651 | 32122 |
| 35° | 29325 | 30480 | 28744 |
| 40° | 24911 | 25218 | 24289 |
| 45° | 21082 | 19265 | 20344 |
| 50° | 17792 | 13590 | 17579 |
| 55° | 15640 | 8770 | 15480 |
| 60° | 13857 | 5219 | 13961 |
| 65° | 12797 | 3149 | 12797 |
| 70° | 11102 | 1812 | 10835 |
| 75° | 8797 | 1109 | 8243 |
| 80° | 6575 | 827 | 6274 |
| 85° | 5988 | 524 | 5464 |



TEST NUMBER: P252673

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 49.5 | 4.9 |
| 10°-20° | 146.6 | 14.4 |
| 20°-30° | 220.4 | 21.6 |
| 30°-40° | 231.8 | 22.7 |
| 40°-50° | 173.1 | 17.0 |
| 50°-60° | 107.8 | 10.6 |
| 60°-70° | 61.3 | 6.0 |
| 70°-80° | 25.2 | 2.5 |
| 80°-90° | 5.2 | 0.5 |
| 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° | 416.5 | 40.8 |
| 0°-40° | 648.3 | 63.5 |
| 0°-60° | 929.2 | 91.0 |
| 0°-90° | 1021.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1021.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 514 | 514 | 514 | 514 | 514 | |
| 5° | 524 | 520 | 516 | 514 | 516 | 50 |
| 15° | 528 | 521 | 519 | 517 | 520 | 148 |
| 25° | 480 | 482 | 489 | 478 | 474 | 220 |
| 35° | 368 | 378 | 383 | 372 | 361 | 228 |
| 45° | 228 | 234 | 209 | 229 | 220 | 177 |
| 55° | 138 | 135 | 77 | 132 | 136 | 124 |
| 65° | 83 | 74 | 20 | 74 | 83 | 82 |
| 75° | 35 | 28 | 4 | 27 | 33 | 38 |
| 85° | 8 | 5 | 1 | 4 | 7 | 9 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252673

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 |
| 2.5° | 519.5 | 518.8 | 519.5 | 518.0 | 517.3 | 517.3 | 518.0 | 516.6 | 515.9 | 516.6 | 515.9 |
| 5° | 523.9 | 522.4 | 523.1 | 522.4 | 520.9 | 520.9 | 521.7 | 519.5 | 519.5 | 520.2 | 519.5 |
| 7.5° | 526.8 | 526.8 | 526.8 | 525.3 | 524.6 | 523.9 | 525.3 | 523.1 | 522.4 | 522.4 | 521.7 |
| 10° | 529.0 | 528.2 | 529.0 | 527.5 | 526.0 | 525.3 | 526.8 | 525.3 | 523.9 | 525.3 | 523.1 |
| 12.5° | 528.2 | 528.2 | 528.2 | 527.5 | 526.0 | 525.3 | 526.8 | 524.6 | 523.9 | 524.6 | 523.1 |
| 15° | 527.5 | 525.3 | 526.0 | 525.3 | 523.1 | 523.1 | 523.9 | 521.7 | 520.2 | 522.4 | 520.9 |
| 17.5° | 520.9 | 519.5 | 520.2 | 518.8 | 517.3 | 516.6 | 517.3 | 516.6 | 515.1 | 516.6 | 515.1 |
| 20° | 510.0 | 510.0 | 510.8 | 509.3 | 507.9 | 507.1 | 508.6 | 507.1 | 505.7 | 507.9 | 507.9 |
| 22.5° | 496.9 | 496.9 | 496.9 | 496.2 | 495.5 | 495.5 | 495.5 | 494.8 | 494.0 | 495.5 | 496.2 |
| 25° | 480.2 | 479.5 | 480.2 | 480.9 | 480.2 | 479.5 | 480.2 | 480.2 | 478.8 | 481.7 | 481.7 |
| 27.5° | 459.1 | 459.1 | 460.6 | 459.8 | 459.8 | 459.1 | 460.6 | 460.6 | 459.8 | 462.0 | 464.2 |
| 30° | 434.4 | 432.9 | 434.4 | 434.4 | 435.1 | 435.1 | 435.8 | 435.8 | 435.8 | 438.0 | 439.5 |
| 32.5° | 402.4 | 403.1 | 405.3 | 404.5 | 403.8 | 406.0 | 406.0 | 407.4 | 408.2 | 409.6 | 410.4 |
| 35° | 368.2 | 368.9 | 368.9 | 369.6 | 371.1 | 369.6 | 373.3 | 372.5 | 373.3 | 376.2 | 377.6 |
| 37.5° | 331.8 | 329.6 | 333.2 | 331.8 | 332.5 | 332.5 | 334.0 | 334.7 | 336.9 | 340.5 | 340.5 |
| 40° | 292.5 | 293.2 | 294.7 | 295.4 | 296.1 | 296.1 | 296.1 | 298.3 | 299.0 | 303.4 | 302.7 |
| 42.5° | 258.3 | 258.3 | 259.7 | 260.5 | 260.5 | 260.5 | 260.5 | 262.7 | 264.1 | 265.6 | 267.0 |
| 45° | 228.5 | 226.3 | 227.7 | 227.7 | 229.2 | 228.5 | 229.9 | 231.4 | 232.1 | 234.3 | 233.6 |
| 47.5° | 200.1 | 199.4 | 200.1 | 200.8 | 200.1 | 200.8 | 201.5 | 202.3 | 203.0 | 203.0 | 203.0 |
| 50° | 175.3 | 175.3 | 176.1 | 176.8 | 176.8 | 176.8 | 176.8 | 177.5 | 177.5 | 179.0 | 177.5 |
| 52.5° | 155.0 | 155.7 | 155.7 | 155.0 | 155.7 | 155.7 | 156.4 | 156.4 | 155.7 | 155.7 | 153.5 |
| 55° | 137.5 | 136.8 | 137.5 | 136.8 | 137.5 | 137.5 | 136.8 | 136.8 | 136.1 | 135.3 | 134.6 |
| 57.5° | 120.8 | 120.8 | 120.8 | 120.8 | 120.1 | 120.8 | 120.1 | 119.3 | 119.3 | 117.9 | 115.7 |
| 60° | 106.2 | 106.2 | 106.2 | 106.2 | 106.2 | 105.5 | 106.2 | 105.5 | 104.0 | 102.6 | 99.7 |
| 62.5° | 93.9 | 93.1 | 93.9 | 93.1 | 93.1 | 92.4 | 92.4 | 91.7 | 90.2 | 88.8 | 85.9 |
| 65° | 82.9 | 83.7 | 82.9 | 82.9 | 82.2 | 81.5 | 81.5 | 80.8 | 78.6 | 77.1 | 74.2 |
| 67.5° | 71.3 | 70.6 | 70.6 | 70.6 | 69.8 | 69.8 | 69.8 | 68.4 | 66.9 | 64.8 | 61.8 |
| 70° | 58.2 | 58.2 | 58.2 | 57.5 | 57.5 | 56.8 | 56.8 | 56.0 | 54.6 | 53.1 | 49.5 |
| 72.5° | 45.8 | 45.8 | 45.8 | 44.4 | 45.1 | 44.4 | 44.4 | 42.9 | 42.2 | 40.0 | 37.8 |
| 75° | 34.9 | 34.9 | 34.2 | 34.2 | 33.5 | 32.7 | 32.7 | 32.0 | 31.3 | 29.8 | 27.6 |
| 77.5° | 25.5 | 25.5 | 25.5 | 24.7 | 24.0 | 23.3 | 23.3 | 22.6 | 21.8 | 21.1 | 19.6 |
| 80° | 17.5 | 17.5 | 17.5 | 17.5 | 16.7 | 16.0 | 16.0 | 15.3 | 15.3 | 14.6 | 13.1 |
| 82.5° | 11.6 | 11.6 | 11.6 | 11.6 | 10.9 | 10.9 | 10.9 | 10.2 | 9.5 | 9.5 | 8.0 |
| 85° | 8.0 | 8.0 | 7.3 | 7.3 | 7.3 | 7.3 | 6.5 | 6.5 | 5.8 | 5.1 | 5.1 |
| 87.5° | 4.4 | 4.4 | 4.4 | 4.4 | 3.6 | 3.6 | 3.6 | 3.6 | 2.9 | 2.9 | 2.2 |
| 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: P252673

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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 |
| 2.5° | 518.0 | 518.0 | 517.3 | 515.1 | 515.9 | 515.1 | 515.9 | 515.1 | 512.9 | 515.1 | 512.9 |
| 5° | 520.9 | 521.7 | 520.2 | 517.3 | 518.0 | 517.3 | 517.3 | 516.6 | 514.4 | 515.9 | 514.4 |
| 7.5° | 523.9 | 523.1 | 522.4 | 519.5 | 520.2 | 519.5 | 519.5 | 518.0 | 515.9 | 517.3 | 515.1 |
| 10° | 525.3 | 525.3 | 523.9 | 520.9 | 520.9 | 520.2 | 520.9 | 520.2 | 517.3 | 519.5 | 518.0 |
| 12.5° | 525.3 | 524.6 | 524.6 | 520.9 | 521.7 | 520.9 | 521.7 | 520.2 | 518.0 | 519.5 | 518.8 |
| 15° | 523.1 | 523.1 | 522.4 | 518.8 | 519.5 | 519.5 | 520.2 | 518.8 | 516.6 | 518.8 | 517.3 |
| 17.5° | 518.8 | 518.8 | 518.0 | 515.1 | 516.6 | 516.6 | 517.3 | 515.9 | 513.7 | 515.1 | 515.1 |
| 20° | 510.0 | 510.8 | 510.8 | 508.6 | 510.0 | 510.0 | 510.8 | 510.0 | 509.3 | 510.0 | 508.6 |
| 22.5° | 499.8 | 501.3 | 501.3 | 499.1 | 500.6 | 500.6 | 502.8 | 502.0 | 500.6 | 501.3 | 500.6 |
| 25° | 484.6 | 486.0 | 487.5 | 486.0 | 487.5 | 487.5 | 489.7 | 488.9 | 487.5 | 488.9 | 486.8 |
| 27.5° | 467.1 | 467.8 | 469.3 | 467.8 | 470.0 | 469.3 | 471.5 | 470.7 | 468.6 | 470.7 | 470.0 |
| 30° | 442.4 | 445.3 | 447.5 | 445.3 | 447.5 | 447.5 | 448.9 | 448.2 | 447.5 | 446.7 | 446.7 |
| 32.5° | 414.7 | 417.6 | 417.6 | 416.9 | 418.4 | 418.4 | 419.1 | 417.6 | 416.9 | 417.6 | 418.4 |
| 35° | 380.5 | 382.0 | 383.4 | 382.7 | 383.4 | 384.2 | 383.4 | 384.2 | 382.0 | 382.7 | 382.7 |
| 37.5° | 343.4 | 344.9 | 344.9 | 342.7 | 344.1 | 344.1 | 342.7 | 342.7 | 341.2 | 342.7 | 339.8 |
| 40° | 304.1 | 302.7 | 303.4 | 301.9 | 300.5 | 300.5 | 299.8 | 296.9 | 295.4 | 296.1 | 296.9 |
| 42.5° | 265.6 | 265.6 | 263.4 | 259.7 | 256.1 | 256.1 | 253.9 | 252.5 | 249.6 | 251.0 | 250.3 |
| 45° | 232.8 | 229.2 | 226.3 | 220.5 | 218.3 | 216.8 | 213.2 | 209.5 | 208.1 | 208.8 | 208.1 |
| 47.5° | 201.5 | 198.6 | 191.4 | 183.4 | 181.2 | 179.0 | 174.6 | 170.3 | 168.8 | 167.3 | 167.3 |
| 50° | 175.3 | 170.3 | 162.3 | 153.5 | 149.9 | 146.2 | 140.4 | 136.1 | 133.1 | 133.9 | 133.9 |
| 52.5° | 151.3 | 145.5 | 136.1 | 125.1 | 120.8 | 116.4 | 111.3 | 106.2 | 104.0 | 103.3 | 103.3 |
| 55° | 130.2 | 123.7 | 114.2 | 101.9 | 98.2 | 93.1 | 86.6 | 80.8 | 77.9 | 77.1 | 78.6 |
| 57.5° | 111.3 | 105.5 | 94.6 | 82.2 | 77.9 | 72.8 | 66.2 | 61.1 | 57.5 | 56.8 | 57.5 |
| 60° | 96.0 | 88.0 | 78.6 | 66.9 | 61.1 | 56.8 | 49.5 | 45.1 | 41.5 | 40.0 | 40.7 |
| 62.5° | 80.8 | 73.5 | 64.0 | 52.4 | 48.0 | 43.7 | 37.1 | 32.0 | 29.1 | 28.4 | 29.1 |
| 65° | 69.1 | 61.8 | 53.1 | 42.9 | 38.6 | 34.2 | 28.4 | 23.3 | 21.1 | 20.4 | 21.1 |
| 67.5° | 57.5 | 50.9 | 43.7 | 34.2 | 30.6 | 26.9 | 21.1 | 17.5 | 14.6 | 13.8 | 14.6 |
| 70° | 46.6 | 40.7 | 33.5 | 26.9 | 23.3 | 20.4 | 16.0 | 12.4 | 10.2 | 9.5 | 10.2 |
| 72.5° | 34.9 | 30.6 | 25.5 | 19.6 | 17.5 | 15.3 | 11.6 | 8.7 | 7.3 | 6.5 | 7.3 |
| 75° | 25.5 | 21.8 | 18.2 | 13.8 | 12.4 | 10.9 | 8.0 | 5.8 | 5.1 | 4.4 | 5.1 |
| 77.5° | 17.5 | 15.3 | 12.4 | 9.5 | 8.0 | 7.3 | 5.1 | 4.4 | 3.6 | 2.9 | 2.9 |
| 80° | 11.6 | 10.2 | 8.0 | 6.5 | 5.8 | 5.1 | 3.6 | 2.9 | 2.2 | 2.2 | 2.2 |
| 82.5° | 7.3 | 5.8 | 5.1 | 3.6 | 2.9 | 2.9 | 2.2 | 1.5 | 1.5 | 1.5 | 1.5 |
| 85° | 4.4 | 3.6 | 2.9 | 2.2 | 1.5 | 1.5 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 87.5° | 2.2 | 1.5 | 1.5 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.7 |
| 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° | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 |
| 2.5° | 514.4 | 512.9 | 512.9 | 513.7 | 514.4 | 515.1 | 513.7 | 512.9 | 512.9 | 515.1 | 513.7 |
| 5° | 514.4 | 513.7 | 513.7 | 513.7 | 515.1 | 515.9 | 514.4 | 513.7 | 514.4 | 516.6 | 515.9 |
| 7.5° | 516.6 | 515.1 | 515.9 | 515.9 | 516.6 | 518.0 | 516.6 | 515.9 | 516.6 | 518.8 | 517.3 |
| 10° | 518.0 | 516.6 | 517.3 | 516.6 | 518.8 | 519.5 | 518.0 | 517.3 | 518.0 | 520.9 | 520.2 |
| 12.5° | 518.8 | 518.0 | 518.0 | 517.3 | 519.5 | 520.2 | 518.8 | 518.0 | 518.8 | 520.9 | 520.2 |
| 15° | 517.3 | 516.6 | 516.6 | 516.6 | 518.0 | 519.5 | 517.3 | 516.6 | 516.6 | 518.8 | 518.0 |
| 17.5° | 514.4 | 512.9 | 512.9 | 512.9 | 513.7 | 514.4 | 512.2 | 511.5 | 510.8 | 512.9 | 512.2 |
| 20° | 509.3 | 507.9 | 506.4 | 506.4 | 507.1 | 507.1 | 505.7 | 503.5 | 503.5 | 504.2 | 502.8 |
| 22.5° | 499.8 | 499.1 | 497.7 | 496.9 | 498.4 | 497.7 | 494.8 | 492.6 | 491.8 | 492.6 | 491.1 |
| 25° | 486.8 | 485.3 | 484.6 | 483.8 | 484.6 | 483.8 | 480.9 | 478.0 | 478.0 | 478.0 | 475.8 |
| 27.5° | 468.6 | 467.1 | 466.4 | 466.4 | 467.1 | 465.7 | 462.7 | 459.8 | 458.4 | 458.4 | 456.2 |
| 30° | 445.3 | 445.3 | 444.6 | 443.8 | 443.1 | 443.1 | 438.7 | 435.8 | 434.4 | 435.1 | 433.6 |
| 32.5° | 416.9 | 416.2 | 415.5 | 413.3 | 414.0 | 413.3 | 409.6 | 407.4 | 405.3 | 403.8 | 403.1 |
| 35° | 380.5 | 380.5 | 379.8 | 379.8 | 379.8 | 379.1 | 375.4 | 373.3 | 371.8 | 371.1 | 368.9 |
| 37.5° | 340.5 | 339.8 | 339.1 | 339.1 | 339.1 | 339.1 | 336.9 | 334.7 | 334.7 | 334.0 | 332.5 |
| 40° | 295.4 | 296.1 | 296.9 | 296.1 | 298.3 | 300.5 | 297.6 | 296.1 | 295.4 | 297.6 | 294.7 |
| 42.5° | 251.7 | 251.0 | 254.7 | 255.4 | 255.4 | 259.0 | 259.7 | 260.5 | 259.7 | 261.2 | 261.2 |
| 45° | 209.5 | 208.8 | 212.5 | 213.9 | 217.5 | 221.9 | 224.1 | 227.7 | 229.2 | 230.6 | 229.2 |
| 47.5° | 169.5 | 172.4 | 175.3 | 179.0 | 181.9 | 189.2 | 193.5 | 197.2 | 198.6 | 200.8 | 200.8 |
| 50° | 136.1 | 139.0 | 144.1 | 147.0 | 150.6 | 159.3 | 166.6 | 171.7 | 174.6 | 176.8 | 176.1 |
| 52.5° | 104.8 | 109.9 | 116.4 | 119.3 | 124.4 | 134.6 | 142.6 | 148.4 | 152.1 | 154.2 | 155.0 |
| 55° | 80.8 | 85.1 | 91.7 | 96.0 | 101.1 | 112.0 | 122.2 | 128.8 | 132.4 | 135.3 | 136.8 |
| 57.5° | 59.7 | 64.8 | 72.0 | 75.7 | 81.5 | 93.9 | 102.6 | 110.6 | 115.0 | 118.6 | 119.3 |
| 60° | 43.7 | 48.7 | 55.3 | 59.7 | 65.5 | 77.9 | 88.0 | 95.3 | 100.4 | 103.3 | 104.8 |
| 62.5° | 31.3 | 36.4 | 42.9 | 47.3 | 52.4 | 63.3 | 73.5 | 80.8 | 85.9 | 89.5 | 91.7 |
| 65° | 22.6 | 27.6 | 34.2 | 37.8 | 42.2 | 52.4 | 61.8 | 69.1 | 74.2 | 78.6 | 80.0 |
| 67.5° | 16.7 | 20.4 | 26.2 | 29.8 | 34.2 | 42.2 | 50.2 | 56.8 | 61.8 | 65.5 | 66.9 |
| 70° | 12.4 | 15.3 | 20.4 | 22.6 | 25.5 | 32.7 | 39.3 | 45.1 | 49.5 | 52.4 | 53.8 |
| 72.5° | 8.7 | 10.9 | 14.6 | 16.7 | 18.9 | 24.7 | 29.8 | 34.2 | 37.1 | 40.0 | 41.5 |
| 75° | 5.8 | 7.3 | 10.2 | 11.6 | 13.1 | 17.5 | 21.1 | 24.7 | 26.9 | 29.1 | 29.8 |
| 77.5° | 3.6 | 5.1 | 7.3 | 8.0 | 9.5 | 11.6 | 14.6 | 16.7 | 18.2 | 19.6 | 21.1 |
| 80° | 2.2 | 2.9 | 4.4 | 5.1 | 5.8 | 8.0 | 9.5 | 10.9 | 12.4 | 13.8 | 14.6 |
| 82.5° | 1.5 | 2.2 | 2.9 | 2.9 | 3.6 | 4.4 | 5.8 | 7.3 | 8.0 | 8.7 | 9.5 |
| 85° | 0.7 | 0.7 | 1.5 | 1.5 | 2.2 | 2.2 | 2.9 | 3.6 | 4.4 | 5.1 | 5.8 |
| 87.5° | 0.7 | 0.7 | 0.7 | 0.7 | 1.5 | 1.5 | 2.2 | 2.2 | 2.2 | 2.9 | 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: P252673

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBDW1H

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 |
| 2.5° | 512.2 | 514.4 | 512.2 | 513.7 | 512.9 | 512.9 | 512.2 | 512.9 |
| 5° | 514.4 | 517.3 | 514.4 | 516.6 | 515.1 | 515.1 | 515.1 | 515.9 |
| 7.5° | 516.6 | 519.5 | 517.3 | 519.5 | 518.8 | 518.0 | 518.0 | 519.5 |
| 10° | 518.8 | 520.9 | 519.5 | 521.7 | 520.9 | 520.2 | 520.2 | 521.7 |
| 12.5° | 518.8 | 521.7 | 520.2 | 522.4 | 521.7 | 520.9 | 520.9 | 521.7 |
| 15° | 516.6 | 520.2 | 518.0 | 520.2 | 519.5 | 518.8 | 518.8 | 520.2 |
| 17.5° | 510.0 | 512.9 | 511.5 | 512.9 | 512.9 | 512.2 | 512.9 | 513.7 |
| 20° | 501.3 | 503.5 | 502.0 | 503.5 | 503.5 | 502.0 | 502.8 | 503.5 |
| 22.5° | 488.9 | 491.1 | 489.7 | 491.1 | 490.4 | 489.7 | 489.7 | 488.9 |
| 25° | 473.7 | 476.6 | 474.4 | 475.8 | 474.4 | 472.9 | 472.9 | 473.7 |
| 27.5° | 454.7 | 456.9 | 454.0 | 455.5 | 454.0 | 452.6 | 452.6 | 451.8 |
| 30° | 430.0 | 430.7 | 428.5 | 430.0 | 428.5 | 427.8 | 426.4 | 426.4 |
| 32.5° | 400.2 | 400.9 | 398.7 | 398.7 | 397.3 | 397.3 | 394.4 | 396.5 |
| 35° | 365.2 | 366.0 | 365.2 | 364.5 | 362.3 | 361.6 | 360.9 | 360.9 |
| 37.5° | 328.9 | 328.9 | 326.7 | 326.0 | 324.5 | 323.0 | 323.8 | 321.6 |
| 40° | 291.8 | 291.0 | 288.9 | 289.6 | 288.9 | 286.7 | 285.9 | 285.2 |
| 42.5° | 256.8 | 256.8 | 254.7 | 255.4 | 253.9 | 253.2 | 251.0 | 251.7 |
| 45° | 226.3 | 226.3 | 224.1 | 224.1 | 223.4 | 221.2 | 221.9 | 220.5 |
| 47.5° | 198.6 | 198.6 | 197.9 | 197.9 | 195.7 | 195.0 | 195.0 | 195.0 |
| 50° | 174.6 | 174.6 | 174.6 | 174.6 | 173.9 | 173.2 | 172.4 | 173.2 |
| 52.5° | 154.2 | 155.7 | 155.0 | 155.0 | 154.2 | 153.5 | 152.8 | 152.8 |
| 55° | 136.1 | 136.8 | 136.8 | 137.5 | 136.8 | 136.1 | 136.8 | 136.1 |
| 57.5° | 120.1 | 121.5 | 121.5 | 121.5 | 121.5 | 121.5 | 120.8 | 120.1 |
| 60° | 106.2 | 107.0 | 107.0 | 107.7 | 107.7 | 107.7 | 107.0 | 107.0 |
| 62.5° | 92.4 | 93.9 | 94.6 | 94.6 | 95.3 | 94.6 | 94.6 | 94.6 |
| 65° | 81.5 | 82.9 | 83.7 | 82.9 | 83.7 | 83.7 | 82.9 | 82.9 |
| 67.5° | 68.4 | 69.8 | 69.8 | 69.8 | 69.8 | 70.6 | 69.8 | 69.8 |
| 70° | 55.3 | 56.8 | 56.0 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| 72.5° | 42.2 | 42.9 | 43.7 | 43.7 | 44.4 | 43.7 | 43.7 | 43.7 |
| 75° | 30.6 | 32.0 | 32.0 | 32.0 | 32.0 | 32.7 | 32.7 | 32.7 |
| 77.5° | 21.8 | 22.6 | 22.6 | 23.3 | 23.3 | 23.3 | 23.3 | 24.0 |
| 80° | 15.3 | 15.3 | 16.0 | 16.0 | 16.7 | 16.7 | 16.7 | 16.7 |
| 82.5° | 10.2 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 |
| 85° | 5.8 | 6.5 | 6.5 | 6.5 | 6.5 | 7.3 | 7.3 | 7.3 |
| 87.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 2.9 | 2.9 |
| 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)