

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: P252658

Luminaire Tested: **LD6B10D010 EU6B10209050 6LBDW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252658
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: LD6B10D010 EU6B10209050 6LBDW1H
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 865.0 lumens
Efficiency: N/A
Efficacy: 86.1 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

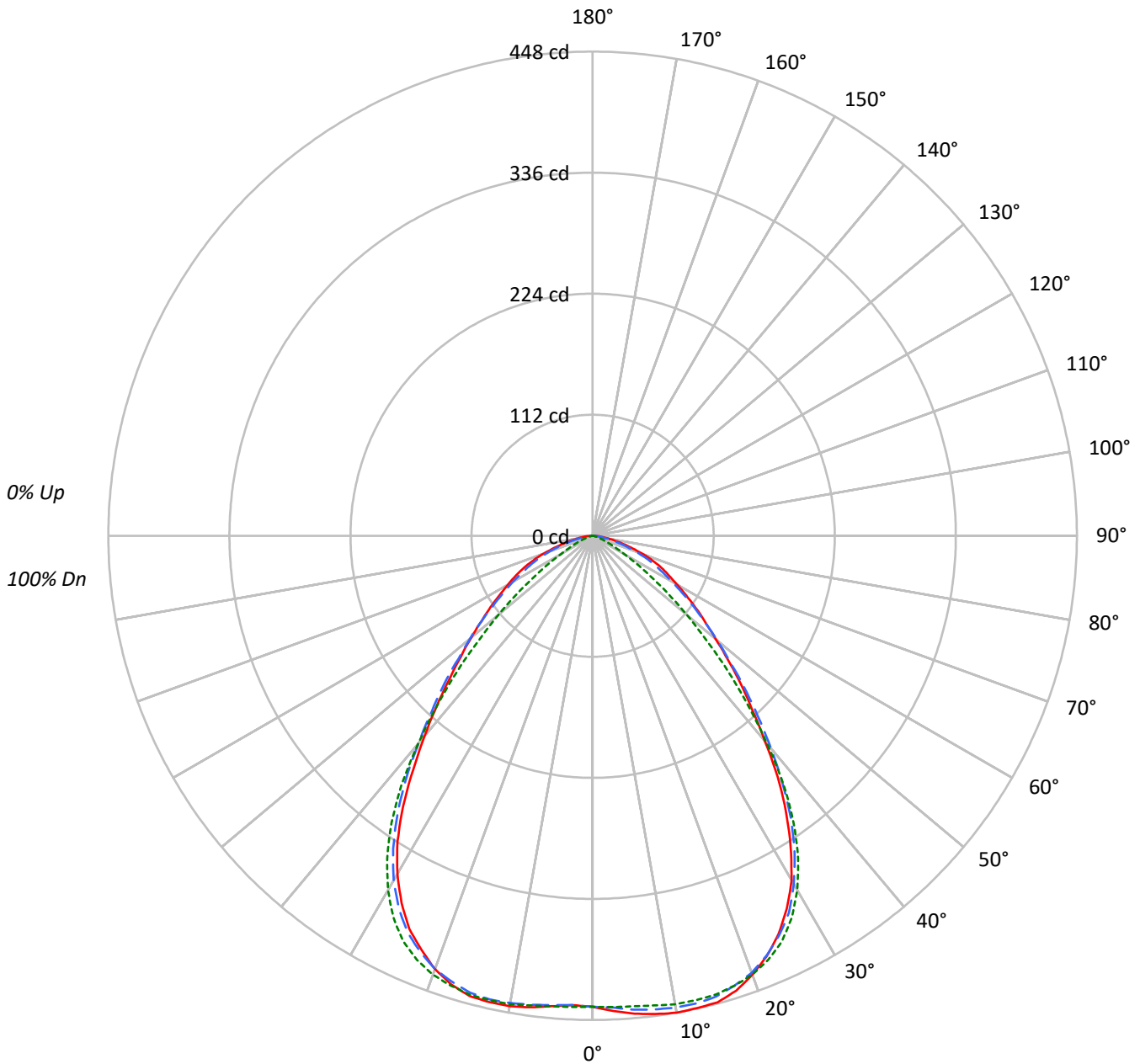
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252658

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBDW1H

Luminous Intensity Polar Plot





TEST NUMBER: P252658

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBDW1H

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 | 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° | 28432 | 28432 | 28432 |
| 5° | 29064 | 28619 | 28619 |
| 10° | 29685 | 29155 | 29281 |
| 15° | 30185 | 29685 | 29766 |
| 20° | 30000 | 30000 | 29618 |
| 25° | 29284 | 29816 | 28888 |
| 30° | 27723 | 28514 | 27210 |
| 35° | 24841 | 25821 | 24347 |
| 40° | 21104 | 21368 | 20576 |
| 45° | 17862 | 16322 | 17235 |
| 50° | 15082 | 11510 | 14890 |
| 55° | 13251 | 7427 | 13115 |
| 60° | 11743 | 4423 | 11822 |
| 65° | 10852 | 2671 | 10852 |
| 70° | 9404 | 1526 | 9175 |
| 75° | 7461 | 933 | 6982 |
| 80° | 5560 | 676 | 5335 |
| 85° | 5090 | 449 | 4641 |



TEST NUMBER: P252658

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 42.0 | 4.9 |
| 10°-20° | 124.2 | 14.4 |
| 20°-30° | 186.8 | 21.6 |
| 30°-40° | 196.4 | 22.7 |
| 40°-50° | 146.7 | 17.0 |
| 50°-60° | 91.3 | 10.6 |
| 60°-70° | 51.9 | 6.0 |
| 70°-80° | 21.4 | 2.5 |
| 80°-90° | 4.4 | 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° | 352.9 | 40.8 |
| 0°-40° | 549.3 | 63.5 |
| 0°-60° | 787.3 | 91.0 |
| 0°-90° | 865.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 865.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 436 | 436 | 436 | 436 | 436 | |
| 5° | 444 | 440 | 437 | 436 | 437 | 42 |
| 15° | 447 | 441 | 440 | 438 | 441 | 126 |
| 25° | 407 | 408 | 414 | 405 | 401 | 186 |
| 35° | 312 | 320 | 324 | 315 | 306 | 194 |
| 45° | 194 | 198 | 177 | 194 | 187 | 150 |
| 55° | 116 | 114 | 65 | 112 | 115 | 105 |
| 65° | 70 | 63 | 17 | 63 | 70 | 69 |
| 75° | 30 | 23 | 4 | 23 | 28 | 32 |
| 85° | 7 | 4 | 1 | 4 | 6 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252658

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 |
| 2.5° | 440.1 | 439.5 | 440.1 | 438.9 | 438.3 | 438.3 | 438.9 | 437.7 | 437.0 | 437.7 | 437.0 |
| 5° | 443.8 | 442.6 | 443.2 | 442.6 | 441.4 | 441.4 | 442.0 | 440.1 | 440.1 | 440.7 | 440.1 |
| 7.5° | 446.3 | 446.3 | 446.3 | 445.1 | 444.4 | 443.8 | 445.1 | 443.2 | 442.6 | 442.6 | 442.0 |
| 10° | 448.1 | 447.5 | 448.1 | 446.9 | 445.7 | 445.1 | 446.3 | 445.1 | 443.8 | 445.1 | 443.2 |
| 12.5° | 447.5 | 447.5 | 447.5 | 446.9 | 445.7 | 445.1 | 446.3 | 444.4 | 443.8 | 444.4 | 443.2 |
| 15° | 446.9 | 445.1 | 445.7 | 445.1 | 443.2 | 443.2 | 443.8 | 442.0 | 440.7 | 442.6 | 441.4 |
| 17.5° | 441.4 | 440.1 | 440.7 | 439.5 | 438.3 | 437.7 | 438.3 | 437.7 | 436.4 | 437.7 | 436.4 |
| 20° | 432.1 | 432.1 | 432.7 | 431.5 | 430.3 | 429.6 | 430.9 | 429.6 | 428.4 | 430.3 | 430.3 |
| 22.5° | 421.0 | 421.0 | 421.0 | 420.4 | 419.8 | 419.8 | 419.8 | 419.2 | 418.5 | 419.8 | 420.4 |
| 25° | 406.8 | 406.2 | 406.8 | 407.5 | 406.8 | 406.2 | 406.8 | 406.8 | 405.6 | 408.1 | 408.1 |
| 27.5° | 389.0 | 389.0 | 390.2 | 389.6 | 389.6 | 389.0 | 390.2 | 390.2 | 389.6 | 391.4 | 393.3 |
| 30° | 368.0 | 366.8 | 368.0 | 368.0 | 368.6 | 368.6 | 369.2 | 369.2 | 369.2 | 371.1 | 372.3 |
| 32.5° | 340.9 | 341.5 | 343.3 | 342.7 | 342.1 | 344.0 | 344.0 | 345.2 | 345.8 | 347.0 | 347.7 |
| 35° | 311.9 | 312.5 | 312.5 | 313.1 | 314.4 | 313.1 | 316.2 | 315.6 | 316.2 | 318.7 | 319.9 |
| 37.5° | 281.1 | 279.2 | 282.3 | 281.1 | 281.7 | 281.7 | 282.9 | 283.6 | 285.4 | 288.5 | 288.5 |
| 40° | 247.8 | 248.4 | 249.6 | 250.3 | 250.9 | 250.9 | 250.9 | 252.7 | 253.3 | 257.0 | 256.4 |
| 42.5° | 218.8 | 218.8 | 220.1 | 220.7 | 220.7 | 220.7 | 220.7 | 222.5 | 223.8 | 225.0 | 226.2 |
| 45° | 193.6 | 191.7 | 192.9 | 192.9 | 194.2 | 193.6 | 194.8 | 196.0 | 196.6 | 198.5 | 197.9 |
| 47.5° | 169.5 | 168.9 | 169.5 | 170.1 | 169.5 | 170.1 | 170.7 | 171.4 | 172.0 | 172.0 | 172.0 |
| 50° | 148.6 | 148.6 | 149.2 | 149.8 | 149.8 | 149.8 | 149.8 | 150.4 | 150.4 | 151.6 | 150.4 |
| 52.5° | 131.3 | 131.9 | 131.9 | 131.3 | 131.9 | 131.9 | 132.5 | 132.5 | 131.9 | 131.9 | 130.1 |
| 55° | 116.5 | 115.9 | 116.5 | 115.9 | 116.5 | 116.5 | 115.9 | 115.9 | 115.3 | 114.7 | 114.0 |
| 57.5° | 102.3 | 102.3 | 102.3 | 102.3 | 101.7 | 102.3 | 101.7 | 101.1 | 101.1 | 99.9 | 98.0 |
| 60° | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 89.4 | 90.0 | 89.4 | 88.1 | 86.9 | 84.4 |
| 62.5° | 79.5 | 78.9 | 79.5 | 78.9 | 78.9 | 78.3 | 78.3 | 77.7 | 76.4 | 75.2 | 72.7 |
| 65° | 70.3 | 70.9 | 70.3 | 70.3 | 69.7 | 69.0 | 69.0 | 68.4 | 66.6 | 65.3 | 62.9 |
| 67.5° | 60.4 | 59.8 | 59.8 | 59.8 | 59.2 | 59.2 | 59.2 | 57.9 | 56.7 | 54.9 | 52.4 |
| 70° | 49.3 | 49.3 | 49.3 | 48.7 | 48.7 | 48.1 | 48.1 | 47.5 | 46.2 | 45.0 | 41.9 |
| 72.5° | 38.8 | 38.8 | 38.8 | 37.6 | 38.2 | 37.6 | 37.6 | 36.4 | 35.8 | 33.9 | 32.1 |
| 75° | 29.6 | 29.6 | 29.0 | 29.0 | 28.4 | 27.7 | 27.7 | 27.1 | 26.5 | 25.3 | 23.4 |
| 77.5° | 21.6 | 21.6 | 21.6 | 21.0 | 20.3 | 19.7 | 19.7 | 19.1 | 18.5 | 17.9 | 16.6 |
| 80° | 14.8 | 14.8 | 14.8 | 14.8 | 14.2 | 13.6 | 13.6 | 12.9 | 12.9 | 12.3 | 11.1 |
| 82.5° | 9.9 | 9.9 | 9.9 | 9.9 | 9.2 | 9.2 | 9.2 | 8.6 | 8.0 | 8.0 | 6.8 |
| 85° | 6.8 | 6.8 | 6.2 | 6.2 | 6.2 | 6.2 | 5.5 | 5.5 | 4.9 | 4.3 | 4.3 |
| 87.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.1 | 3.1 | 3.1 | 3.1 | 2.5 | 2.5 | 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: P252658

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBDW1H

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 |
| 2.5° | 438.9 | 438.9 | 438.3 | 436.4 | 437.0 | 436.4 | 437.0 | 436.4 | 434.6 | 436.4 | 434.6 |
| 5° | 441.4 | 442.0 | 440.7 | 438.3 | 438.9 | 438.3 | 438.3 | 437.7 | 435.8 | 437.0 | 435.8 |
| 7.5° | 443.8 | 443.2 | 442.6 | 440.1 | 440.7 | 440.1 | 440.1 | 438.9 | 437.0 | 438.3 | 436.4 |
| 10° | 445.1 | 445.1 | 443.8 | 441.4 | 441.4 | 440.7 | 441.4 | 440.7 | 438.3 | 440.1 | 438.9 |
| 12.5° | 445.1 | 444.4 | 444.4 | 441.4 | 442.0 | 441.4 | 442.0 | 440.7 | 438.9 | 440.1 | 439.5 |
| 15° | 443.2 | 443.2 | 442.6 | 439.5 | 440.1 | 440.1 | 440.7 | 439.5 | 437.7 | 439.5 | 438.3 |
| 17.5° | 439.5 | 439.5 | 438.9 | 436.4 | 437.7 | 437.7 | 438.3 | 437.0 | 435.2 | 436.4 | 436.4 |
| 20° | 432.1 | 432.7 | 432.7 | 430.9 | 432.1 | 432.1 | 432.7 | 432.1 | 431.5 | 432.1 | 430.9 |
| 22.5° | 423.5 | 424.7 | 424.7 | 422.9 | 424.1 | 424.1 | 425.9 | 425.3 | 424.1 | 424.7 | 424.1 |
| 25° | 410.5 | 411.8 | 413.0 | 411.8 | 413.0 | 413.0 | 414.8 | 414.2 | 413.0 | 414.2 | 412.4 |
| 27.5° | 395.7 | 396.4 | 397.6 | 396.4 | 398.2 | 397.6 | 399.4 | 398.8 | 397.0 | 398.8 | 398.2 |
| 30° | 374.8 | 377.2 | 379.1 | 377.2 | 379.1 | 379.1 | 380.3 | 379.7 | 379.1 | 378.5 | 378.5 |
| 32.5° | 351.4 | 353.8 | 353.8 | 353.2 | 354.4 | 354.4 | 355.1 | 353.8 | 353.2 | 353.8 | 354.4 |
| 35° | 322.4 | 323.6 | 324.9 | 324.2 | 324.9 | 325.5 | 324.9 | 325.5 | 323.6 | 324.2 | 324.2 |
| 37.5° | 290.9 | 292.2 | 292.2 | 290.3 | 291.6 | 291.6 | 290.3 | 290.3 | 289.1 | 290.3 | 287.9 |
| 40° | 257.7 | 256.4 | 257.0 | 255.8 | 254.6 | 254.6 | 254.0 | 251.5 | 250.3 | 250.9 | 251.5 |
| 42.5° | 225.0 | 225.0 | 223.1 | 220.1 | 217.0 | 217.0 | 215.1 | 213.9 | 211.4 | 212.7 | 212.0 |
| 45° | 197.3 | 194.2 | 191.7 | 186.8 | 184.9 | 183.7 | 180.6 | 177.5 | 176.3 | 176.9 | 176.3 |
| 47.5° | 170.7 | 168.3 | 162.1 | 155.3 | 153.5 | 151.6 | 147.9 | 144.2 | 143.0 | 141.8 | 141.8 |
| 50° | 148.6 | 144.2 | 137.5 | 130.1 | 127.0 | 123.9 | 119.0 | 115.3 | 112.8 | 113.4 | 113.4 |
| 52.5° | 128.2 | 123.3 | 115.3 | 106.0 | 102.3 | 98.6 | 94.3 | 90.0 | 88.1 | 87.5 | 87.5 |
| 55° | 110.3 | 104.8 | 96.8 | 86.3 | 83.2 | 78.9 | 73.4 | 68.4 | 66.0 | 65.3 | 66.6 |
| 57.5° | 94.3 | 89.4 | 80.1 | 69.7 | 66.0 | 61.6 | 56.1 | 51.8 | 48.7 | 48.1 | 48.7 |
| 60° | 81.4 | 74.6 | 66.6 | 56.7 | 51.8 | 48.1 | 41.9 | 38.2 | 35.1 | 33.9 | 34.5 |
| 62.5° | 68.4 | 62.3 | 54.2 | 44.4 | 40.7 | 37.0 | 31.4 | 27.1 | 24.7 | 24.0 | 24.7 |
| 65° | 58.6 | 52.4 | 45.0 | 36.4 | 32.7 | 29.0 | 24.0 | 19.7 | 17.9 | 17.3 | 17.9 |
| 67.5° | 48.7 | 43.1 | 37.0 | 29.0 | 25.9 | 22.8 | 17.9 | 14.8 | 12.3 | 11.7 | 12.3 |
| 70° | 39.5 | 34.5 | 28.4 | 22.8 | 19.7 | 17.3 | 13.6 | 10.5 | 8.6 | 8.0 | 8.6 |
| 72.5° | 29.6 | 25.9 | 21.6 | 16.6 | 14.8 | 12.9 | 9.9 | 7.4 | 6.2 | 5.5 | 6.2 |
| 75° | 21.6 | 18.5 | 15.4 | 11.7 | 10.5 | 9.2 | 6.8 | 4.9 | 4.3 | 3.7 | 4.3 |
| 77.5° | 14.8 | 12.9 | 10.5 | 8.0 | 6.8 | 6.2 | 4.3 | 3.7 | 3.1 | 2.5 | 2.5 |
| 80° | 9.9 | 8.6 | 6.8 | 5.5 | 4.9 | 4.3 | 3.1 | 2.5 | 1.8 | 1.8 | 1.8 |
| 82.5° | 6.2 | 4.9 | 4.3 | 3.1 | 2.5 | 2.5 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85° | 3.7 | 3.1 | 2.5 | 1.8 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 87.5° | 1.8 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.6 |
| 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° | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 |
| 2.5° | 435.8 | 434.6 | 434.6 | 435.2 | 435.8 | 436.4 | 435.2 | 434.6 | 434.6 | 436.4 | 435.2 |
| 5° | 435.8 | 435.2 | 435.2 | 435.2 | 436.4 | 437.0 | 435.8 | 435.2 | 435.8 | 437.7 | 437.0 |
| 7.5° | 437.7 | 436.4 | 437.0 | 437.0 | 437.7 | 438.9 | 437.7 | 437.0 | 437.7 | 439.5 | 438.3 |
| 10° | 438.9 | 437.7 | 438.3 | 437.7 | 439.5 | 440.1 | 438.9 | 438.3 | 438.9 | 441.4 | 440.7 |
| 12.5° | 439.5 | 438.9 | 438.9 | 438.3 | 440.1 | 440.7 | 439.5 | 438.9 | 439.5 | 441.4 | 440.7 |
| 15° | 438.3 | 437.7 | 437.7 | 437.7 | 438.9 | 440.1 | 438.3 | 437.7 | 437.7 | 439.5 | 438.9 |
| 17.5° | 435.8 | 434.6 | 434.6 | 434.6 | 435.2 | 435.8 | 434.0 | 433.3 | 432.7 | 434.6 | 434.0 |
| 20° | 431.5 | 430.3 | 429.0 | 429.0 | 429.6 | 429.6 | 428.4 | 426.6 | 426.6 | 427.2 | 425.9 |
| 22.5° | 423.5 | 422.9 | 421.6 | 421.0 | 422.2 | 421.6 | 419.2 | 417.3 | 416.7 | 417.3 | 416.1 |
| 25° | 412.4 | 411.1 | 410.5 | 409.9 | 410.5 | 409.9 | 407.5 | 405.0 | 405.0 | 405.0 | 403.1 |
| 27.5° | 397.0 | 395.7 | 395.1 | 395.1 | 395.7 | 394.5 | 392.0 | 389.6 | 388.3 | 388.3 | 386.5 |
| 30° | 377.2 | 377.2 | 376.6 | 376.0 | 375.4 | 375.4 | 371.7 | 369.2 | 368.0 | 368.6 | 367.4 |
| 32.5° | 353.2 | 352.6 | 352.0 | 350.1 | 350.7 | 350.1 | 347.0 | 345.2 | 343.3 | 342.1 | 341.5 |
| 35° | 322.4 | 322.4 | 321.8 | 321.8 | 321.8 | 321.2 | 318.1 | 316.2 | 315.0 | 314.4 | 312.5 |
| 37.5° | 288.5 | 287.9 | 287.2 | 287.2 | 287.2 | 287.2 | 285.4 | 283.6 | 283.6 | 282.9 | 281.7 |
| 40° | 250.3 | 250.9 | 251.5 | 250.9 | 252.7 | 254.6 | 252.1 | 250.9 | 250.3 | 252.1 | 249.6 |
| 42.5° | 213.3 | 212.7 | 215.7 | 216.4 | 216.4 | 219.4 | 220.1 | 220.7 | 220.1 | 221.3 | 221.3 |
| 45° | 177.5 | 176.9 | 180.0 | 181.2 | 184.3 | 188.0 | 189.9 | 192.9 | 194.2 | 195.4 | 194.2 |
| 47.5° | 143.6 | 146.1 | 148.6 | 151.6 | 154.1 | 160.3 | 164.0 | 167.0 | 168.3 | 170.1 | 170.1 |
| 50° | 115.3 | 117.7 | 122.1 | 124.5 | 127.6 | 135.0 | 141.2 | 145.5 | 147.9 | 149.8 | 149.2 |
| 52.5° | 88.8 | 93.1 | 98.6 | 101.1 | 105.4 | 114.0 | 120.8 | 125.7 | 128.8 | 130.7 | 131.3 |
| 55° | 68.4 | 72.1 | 77.7 | 81.4 | 85.7 | 94.9 | 103.6 | 109.1 | 112.2 | 114.7 | 115.9 |
| 57.5° | 50.5 | 54.9 | 61.0 | 64.1 | 69.0 | 79.5 | 86.9 | 93.7 | 97.4 | 100.5 | 101.1 |
| 60° | 37.0 | 41.3 | 46.8 | 50.5 | 55.5 | 66.0 | 74.6 | 80.8 | 85.1 | 87.5 | 88.8 |
| 62.5° | 26.5 | 30.8 | 36.4 | 40.1 | 44.4 | 53.6 | 62.3 | 68.4 | 72.7 | 75.8 | 77.7 |
| 65° | 19.1 | 23.4 | 29.0 | 32.1 | 35.8 | 44.4 | 52.4 | 58.6 | 62.9 | 66.6 | 67.8 |
| 67.5° | 14.2 | 17.3 | 22.2 | 25.3 | 29.0 | 35.8 | 42.5 | 48.1 | 52.4 | 55.5 | 56.7 |
| 70° | 10.5 | 12.9 | 17.3 | 19.1 | 21.6 | 27.7 | 33.3 | 38.2 | 41.9 | 44.4 | 45.6 |
| 72.5° | 7.4 | 9.2 | 12.3 | 14.2 | 16.0 | 21.0 | 25.3 | 29.0 | 31.4 | 33.9 | 35.1 |
| 75° | 4.9 | 6.2 | 8.6 | 9.9 | 11.1 | 14.8 | 17.9 | 21.0 | 22.8 | 24.7 | 25.3 |
| 77.5° | 3.1 | 4.3 | 6.2 | 6.8 | 8.0 | 9.9 | 12.3 | 14.2 | 15.4 | 16.6 | 17.9 |
| 80° | 1.8 | 2.5 | 3.7 | 4.3 | 4.9 | 6.8 | 8.0 | 9.2 | 10.5 | 11.7 | 12.3 |
| 82.5° | 1.2 | 1.8 | 2.5 | 2.5 | 3.1 | 3.7 | 4.9 | 6.2 | 6.8 | 7.4 | 8.0 |
| 85° | 0.6 | 0.6 | 1.2 | 1.2 | 1.8 | 1.8 | 2.5 | 3.1 | 3.7 | 4.3 | 4.9 |
| 87.5° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.8 | 1.8 | 1.8 | 2.5 | 2.5 |
| 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: P252658

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBDW1H

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 | 435.8 |
| 2.5° | 434.0 | 435.8 | 434.0 | 435.2 | 434.6 | 434.6 | 434.0 | 434.6 |
| 5° | 435.8 | 438.3 | 435.8 | 437.7 | 436.4 | 436.4 | 436.4 | 437.0 |
| 7.5° | 437.7 | 440.1 | 438.3 | 440.1 | 439.5 | 438.9 | 438.9 | 440.1 |
| 10° | 439.5 | 441.4 | 440.1 | 442.0 | 441.4 | 440.7 | 440.7 | 442.0 |
| 12.5° | 439.5 | 442.0 | 440.7 | 442.6 | 442.0 | 441.4 | 441.4 | 442.0 |
| 15° | 437.7 | 440.7 | 438.9 | 440.7 | 440.1 | 439.5 | 439.5 | 440.7 |
| 17.5° | 432.1 | 434.6 | 433.3 | 434.6 | 434.6 | 434.0 | 434.6 | 435.2 |
| 20° | 424.7 | 426.6 | 425.3 | 426.6 | 426.6 | 425.3 | 425.9 | 426.6 |
| 22.5° | 414.2 | 416.1 | 414.8 | 416.1 | 415.5 | 414.8 | 414.8 | 414.2 |
| 25° | 401.3 | 403.8 | 401.9 | 403.1 | 401.9 | 400.7 | 400.7 | 401.3 |
| 27.5° | 385.3 | 387.1 | 384.6 | 385.9 | 384.6 | 383.4 | 383.4 | 382.8 |
| 30° | 364.3 | 364.9 | 363.1 | 364.3 | 363.1 | 362.5 | 361.2 | 361.2 |
| 32.5° | 339.0 | 339.6 | 337.8 | 337.8 | 336.6 | 336.6 | 334.1 | 335.9 |
| 35° | 309.4 | 310.1 | 309.4 | 308.8 | 307.0 | 306.4 | 305.7 | 305.7 |
| 37.5° | 278.6 | 278.6 | 276.8 | 276.2 | 274.9 | 273.7 | 274.3 | 272.5 |
| 40° | 247.2 | 246.6 | 244.7 | 245.3 | 244.7 | 242.9 | 242.3 | 241.6 |
| 42.5° | 217.6 | 217.6 | 215.7 | 216.4 | 215.1 | 214.5 | 212.7 | 213.3 |
| 45° | 191.7 | 191.7 | 189.9 | 189.9 | 189.2 | 187.4 | 188.0 | 186.8 |
| 47.5° | 168.3 | 168.3 | 167.7 | 167.7 | 165.8 | 165.2 | 165.2 | 165.2 |
| 50° | 147.9 | 147.9 | 147.9 | 147.9 | 147.3 | 146.7 | 146.1 | 146.7 |
| 52.5° | 130.7 | 131.9 | 131.3 | 131.3 | 130.7 | 130.1 | 129.4 | 129.4 |
| 55° | 115.3 | 115.9 | 115.9 | 116.5 | 115.9 | 115.3 | 115.9 | 115.3 |
| 57.5° | 101.7 | 102.9 | 102.9 | 102.9 | 102.9 | 102.9 | 102.3 | 101.7 |
| 60° | 90.0 | 90.6 | 90.6 | 91.2 | 91.2 | 91.2 | 90.6 | 90.6 |
| 62.5° | 78.3 | 79.5 | 80.1 | 80.1 | 80.8 | 80.1 | 80.1 | 80.1 |
| 65° | 69.0 | 70.3 | 70.9 | 70.3 | 70.9 | 70.9 | 70.3 | 70.3 |
| 67.5° | 57.9 | 59.2 | 59.2 | 59.2 | 59.2 | 59.8 | 59.2 | 59.2 |
| 70° | 46.8 | 48.1 | 47.5 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| 72.5° | 35.8 | 36.4 | 37.0 | 37.0 | 37.6 | 37.0 | 37.0 | 37.0 |
| 75° | 25.9 | 27.1 | 27.1 | 27.1 | 27.1 | 27.7 | 27.7 | 27.7 |
| 77.5° | 18.5 | 19.1 | 19.1 | 19.7 | 19.7 | 19.7 | 19.7 | 20.3 |
| 80° | 12.9 | 12.9 | 13.6 | 13.6 | 14.2 | 14.2 | 14.2 | 14.2 |
| 82.5° | 8.6 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 85° | 4.9 | 5.5 | 5.5 | 5.5 | 5.5 | 6.2 | 6.2 | 6.2 |
| 87.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 2.5 | 2.5 |
| 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)