

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: P252653

Luminaire Tested: **LD6B10D010 EU6B10209024 6LBDW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252653
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 EU6B10209024 6LBDW1H
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 717.0 lumens
Efficiency: N/A
Efficacy: 71.3 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

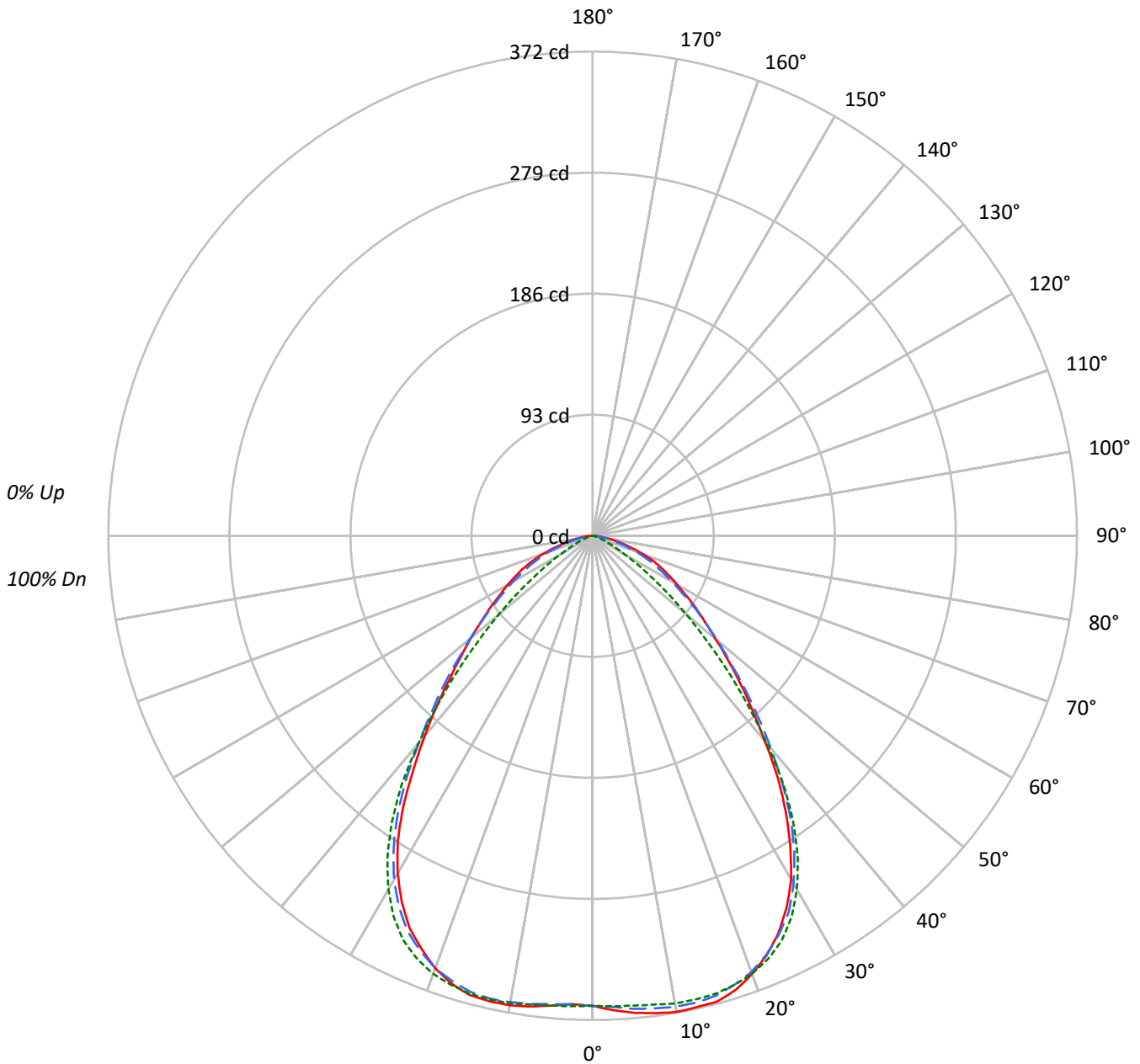
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252653

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBDW1H

Luminous Intensity Polar Plot





TEST NUMBER: P252653

CATALOG NUMBER: LD6B10D010 EU6B10209024 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° | 23565 | 23565 | 23565 |
| 5° | 24094 | 23727 | 23727 |
| 10° | 24611 | 24167 | 24266 |
| 15° | 25018 | 24606 | 24673 |
| 20° | 24869 | 24869 | 24550 |
| 25° | 24273 | 24720 | 23942 |
| 30° | 22977 | 23632 | 22555 |
| 35° | 20588 | 21408 | 20182 |
| 40° | 17493 | 17714 | 17059 |
| 45° | 14799 | 13526 | 14282 |
| 50° | 12494 | 9541 | 12342 |
| 55° | 10988 | 6165 | 10863 |
| 60° | 9734 | 3667 | 9799 |
| 65° | 8984 | 2208 | 8984 |
| 70° | 7802 | 1259 | 7611 |
| 75° | 6176 | 781 | 5798 |
| 80° | 4621 | 564 | 4433 |
| 85° | 4192 | 374 | 3818 |



TEST NUMBER: P252653

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 34.8 | 4.9 |
| 10°-20° | 102.9 | 14.4 |
| 20°-30° | 154.8 | 21.6 |
| 30°-40° | 162.8 | 22.7 |
| 40°-50° | 121.6 | 17.0 |
| 50°-60° | 75.7 | 10.6 |
| 60°-70° | 43.0 | 6.0 |
| 70°-80° | 17.7 | 2.5 |
| 80°-90° | 3.7 | 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° | 292.5 | 40.8 |
| 0°-40° | 455.3 | 63.5 |
| 0°-60° | 652.6 | 91.0 |
| 0°-90° | 717.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 717.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 361 | 361 | 361 | 361 | 361 | |
| 5° | 368 | 365 | 362 | 361 | 362 | 35 |
| 15° | 370 | 366 | 364 | 363 | 365 | 104 |
| 25° | 337 | 338 | 343 | 336 | 333 | 154 |
| 35° | 258 | 265 | 269 | 261 | 253 | 160 |
| 45° | 160 | 164 | 147 | 161 | 155 | 124 |
| 55° | 97 | 94 | 54 | 93 | 96 | 87 |
| 65° | 58 | 52 | 14 | 52 | 58 | 57 |
| 75° | 24 | 19 | 3 | 19 | 23 | 27 |
| 85° | 6 | 4 | 0 | 3 | 5 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252653

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBDW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 |
| 2.5° | 364.8 | 364.3 | 364.8 | 363.8 | 363.3 | 363.3 | 363.8 | 362.8 | 362.3 | 362.8 | 362.3 |
| 5° | 367.9 | 366.9 | 367.4 | 366.9 | 365.8 | 365.8 | 366.3 | 364.8 | 364.8 | 365.3 | 364.8 |
| 7.5° | 369.9 | 369.9 | 369.9 | 368.9 | 368.4 | 367.9 | 368.9 | 367.4 | 366.9 | 366.9 | 366.3 |
| 10° | 371.5 | 370.9 | 371.5 | 370.4 | 369.4 | 368.9 | 369.9 | 368.9 | 367.9 | 368.9 | 367.4 |
| 12.5° | 370.9 | 370.9 | 370.9 | 370.4 | 369.4 | 368.9 | 369.9 | 368.4 | 367.9 | 368.4 | 367.4 |
| 15° | 370.4 | 368.9 | 369.4 | 368.9 | 367.4 | 367.4 | 367.9 | 366.3 | 365.3 | 366.9 | 365.8 |
| 17.5° | 365.8 | 364.8 | 365.3 | 364.3 | 363.3 | 362.8 | 363.3 | 362.8 | 361.8 | 362.8 | 361.8 |
| 20° | 358.2 | 358.2 | 358.7 | 357.7 | 356.6 | 356.1 | 357.2 | 356.1 | 355.1 | 356.6 | 356.6 |
| 22.5° | 349.0 | 349.0 | 349.0 | 348.5 | 348.0 | 348.0 | 348.0 | 347.4 | 346.9 | 348.0 | 348.5 |
| 25° | 337.2 | 336.7 | 337.2 | 337.7 | 337.2 | 336.7 | 337.2 | 337.2 | 336.2 | 338.2 | 338.2 |
| 27.5° | 322.4 | 322.4 | 323.4 | 322.9 | 322.9 | 322.4 | 323.4 | 323.4 | 322.9 | 324.5 | 326.0 |
| 30° | 305.0 | 304.0 | 305.0 | 305.0 | 305.5 | 305.5 | 306.1 | 306.1 | 306.1 | 307.6 | 308.6 |
| 32.5° | 282.6 | 283.1 | 284.6 | 284.1 | 283.6 | 285.1 | 285.1 | 286.1 | 286.6 | 287.7 | 288.2 |
| 35° | 258.5 | 259.1 | 259.1 | 259.6 | 260.6 | 259.6 | 262.1 | 261.6 | 262.1 | 264.2 | 265.2 |
| 37.5° | 233.0 | 231.5 | 234.0 | 233.0 | 233.5 | 233.5 | 234.5 | 235.0 | 236.6 | 239.1 | 239.1 |
| 40° | 205.4 | 205.9 | 206.9 | 207.4 | 208.0 | 208.0 | 208.0 | 209.5 | 210.0 | 213.1 | 212.6 |
| 42.5° | 181.4 | 181.4 | 182.4 | 182.9 | 182.9 | 182.9 | 182.9 | 184.5 | 185.5 | 186.5 | 187.5 |
| 45° | 160.4 | 158.9 | 159.9 | 159.9 | 160.9 | 160.4 | 161.5 | 162.5 | 163.0 | 164.5 | 164.0 |
| 47.5° | 140.5 | 140.0 | 140.5 | 141.0 | 140.5 | 141.0 | 141.5 | 142.0 | 142.6 | 142.6 | 142.6 |
| 50° | 123.1 | 123.1 | 123.6 | 124.2 | 124.2 | 124.2 | 124.2 | 124.7 | 124.7 | 125.7 | 124.7 |
| 52.5° | 108.8 | 109.3 | 109.3 | 108.8 | 109.3 | 109.3 | 109.9 | 109.9 | 109.3 | 109.3 | 107.8 |
| 55° | 96.6 | 96.1 | 96.6 | 96.1 | 96.6 | 96.6 | 96.1 | 96.1 | 95.5 | 95.0 | 94.5 |
| 57.5° | 84.8 | 84.8 | 84.8 | 84.8 | 84.3 | 84.8 | 84.3 | 83.8 | 83.8 | 82.8 | 81.2 |
| 60° | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.1 | 74.6 | 74.1 | 73.1 | 72.0 | 70.0 |
| 62.5° | 65.9 | 65.4 | 65.9 | 65.4 | 65.4 | 64.9 | 64.9 | 64.4 | 63.4 | 62.3 | 60.3 |
| 65° | 58.2 | 58.8 | 58.2 | 58.2 | 57.7 | 57.2 | 57.2 | 56.7 | 55.2 | 54.2 | 52.1 |
| 67.5° | 50.1 | 49.6 | 49.6 | 49.6 | 49.1 | 49.1 | 49.1 | 48.0 | 47.0 | 45.5 | 43.4 |
| 70° | 40.9 | 40.9 | 40.9 | 40.4 | 40.4 | 39.9 | 39.9 | 39.3 | 38.3 | 37.3 | 34.7 |
| 72.5° | 32.2 | 32.2 | 32.2 | 31.2 | 31.7 | 31.2 | 31.2 | 30.1 | 29.6 | 28.1 | 26.6 |
| 75° | 24.5 | 24.5 | 24.0 | 24.0 | 23.5 | 23.0 | 23.0 | 22.5 | 22.0 | 20.9 | 19.4 |
| 77.5° | 17.9 | 17.9 | 17.9 | 17.4 | 16.9 | 16.4 | 16.4 | 15.8 | 15.3 | 14.8 | 13.8 |
| 80° | 12.3 | 12.3 | 12.3 | 12.3 | 11.8 | 11.2 | 11.2 | 10.7 | 10.7 | 10.2 | 9.2 |
| 82.5° | 8.2 | 8.2 | 8.2 | 8.2 | 7.7 | 7.7 | 7.7 | 7.2 | 6.6 | 6.6 | 5.6 |
| 85° | 5.6 | 5.6 | 5.1 | 5.1 | 5.1 | 5.1 | 4.6 | 4.6 | 4.1 | 3.6 | 3.6 |
| 87.5° | 3.1 | 3.1 | 3.1 | 3.1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.0 | 2.0 | 1.5 |
| 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: P252653

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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 |
| 2.5° | 363.8 | 363.8 | 363.3 | 361.8 | 362.3 | 361.8 | 362.3 | 361.8 | 360.2 | 361.8 | 360.2 |
| 5° | 365.8 | 366.3 | 365.3 | 363.3 | 363.8 | 363.3 | 363.3 | 362.8 | 361.2 | 362.3 | 361.2 |
| 7.5° | 367.9 | 367.4 | 366.9 | 364.8 | 365.3 | 364.8 | 364.8 | 363.8 | 362.3 | 363.3 | 361.8 |
| 10° | 368.9 | 368.9 | 367.9 | 365.8 | 365.8 | 365.3 | 365.8 | 365.3 | 363.3 | 364.8 | 363.8 |
| 12.5° | 368.9 | 368.4 | 368.4 | 365.8 | 366.3 | 365.8 | 366.3 | 365.3 | 363.8 | 364.8 | 364.3 |
| 15° | 367.4 | 367.4 | 366.9 | 364.3 | 364.8 | 364.8 | 365.3 | 364.3 | 362.8 | 364.3 | 363.3 |
| 17.5° | 364.3 | 364.3 | 363.8 | 361.8 | 362.8 | 362.8 | 363.3 | 362.3 | 360.7 | 361.8 | 361.8 |
| 20° | 358.2 | 358.7 | 358.7 | 357.2 | 358.2 | 358.2 | 358.7 | 358.2 | 357.7 | 358.2 | 357.2 |
| 22.5° | 351.0 | 352.0 | 352.0 | 350.5 | 351.5 | 351.5 | 353.1 | 352.6 | 351.5 | 352.0 | 351.5 |
| 25° | 340.3 | 341.3 | 342.3 | 341.3 | 342.3 | 342.3 | 343.9 | 343.4 | 342.3 | 343.4 | 341.8 |
| 27.5° | 328.0 | 328.5 | 329.6 | 328.5 | 330.1 | 329.6 | 331.1 | 330.6 | 329.1 | 330.6 | 330.1 |
| 30° | 310.7 | 312.7 | 314.2 | 312.7 | 314.2 | 314.2 | 315.3 | 314.7 | 314.2 | 313.7 | 313.7 |
| 32.5° | 291.2 | 293.3 | 293.3 | 292.8 | 293.8 | 293.8 | 294.3 | 293.3 | 292.8 | 293.3 | 293.8 |
| 35° | 267.2 | 268.2 | 269.3 | 268.8 | 269.3 | 269.8 | 269.3 | 269.8 | 268.2 | 268.8 | 268.8 |
| 37.5° | 241.2 | 242.2 | 242.2 | 240.7 | 241.7 | 241.7 | 240.7 | 240.7 | 239.6 | 240.7 | 238.6 |
| 40° | 213.6 | 212.6 | 213.1 | 212.0 | 211.0 | 211.0 | 210.5 | 208.5 | 207.4 | 208.0 | 208.5 |
| 42.5° | 186.5 | 186.5 | 185.0 | 182.4 | 179.9 | 179.9 | 178.3 | 177.3 | 175.3 | 176.3 | 175.8 |
| 45° | 163.5 | 160.9 | 158.9 | 154.8 | 153.3 | 152.3 | 149.7 | 147.2 | 146.1 | 146.6 | 146.1 |
| 47.5° | 141.5 | 139.5 | 134.4 | 128.8 | 127.2 | 125.7 | 122.6 | 119.6 | 118.5 | 117.5 | 117.5 |
| 50° | 123.1 | 119.6 | 113.9 | 107.8 | 105.3 | 102.7 | 98.6 | 95.5 | 93.5 | 94.0 | 94.0 |
| 52.5° | 106.3 | 102.2 | 95.5 | 87.9 | 84.8 | 81.8 | 78.2 | 74.6 | 73.1 | 72.6 | 72.6 |
| 55° | 91.5 | 86.9 | 80.2 | 71.5 | 69.0 | 65.4 | 60.8 | 56.7 | 54.7 | 54.2 | 55.2 |
| 57.5° | 78.2 | 74.1 | 66.4 | 57.7 | 54.7 | 51.1 | 46.5 | 42.9 | 40.4 | 39.9 | 40.4 |
| 60° | 67.4 | 61.8 | 55.2 | 47.0 | 42.9 | 39.9 | 34.7 | 31.7 | 29.1 | 28.1 | 28.6 |
| 62.5° | 56.7 | 51.6 | 45.0 | 36.8 | 33.7 | 30.7 | 26.1 | 22.5 | 20.4 | 19.9 | 20.4 |
| 65° | 48.5 | 43.4 | 37.3 | 30.1 | 27.1 | 24.0 | 19.9 | 16.4 | 14.8 | 14.3 | 14.8 |
| 67.5° | 40.4 | 35.8 | 30.7 | 24.0 | 21.5 | 18.9 | 14.8 | 12.3 | 10.2 | 9.7 | 10.2 |
| 70° | 32.7 | 28.6 | 23.5 | 18.9 | 16.4 | 14.3 | 11.2 | 8.7 | 7.2 | 6.6 | 7.2 |
| 72.5° | 24.5 | 21.5 | 17.9 | 13.8 | 12.3 | 10.7 | 8.2 | 6.1 | 5.1 | 4.6 | 5.1 |
| 75° | 17.9 | 15.3 | 12.8 | 9.7 | 8.7 | 7.7 | 5.6 | 4.1 | 3.6 | 3.1 | 3.6 |
| 77.5° | 12.3 | 10.7 | 8.7 | 6.6 | 5.6 | 5.1 | 3.6 | 3.1 | 2.6 | 2.0 | 2.0 |
| 80° | 8.2 | 7.2 | 5.6 | 4.6 | 4.1 | 3.6 | 2.6 | 2.0 | 1.5 | 1.5 | 1.5 |
| 82.5° | 5.1 | 4.1 | 3.6 | 2.6 | 2.0 | 2.0 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 |
| 85° | 3.1 | 2.6 | 2.0 | 1.5 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 87.5° | 1.5 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.5 |
| 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° | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 |
| 2.5° | 361.2 | 360.2 | 360.2 | 360.7 | 361.2 | 361.8 | 360.7 | 360.2 | 360.2 | 361.8 | 360.7 |
| 5° | 361.2 | 360.7 | 360.7 | 360.7 | 361.8 | 362.3 | 361.2 | 360.7 | 361.2 | 362.8 | 362.3 |
| 7.5° | 362.8 | 361.8 | 362.3 | 362.3 | 362.8 | 363.8 | 362.8 | 362.3 | 362.8 | 364.3 | 363.3 |
| 10° | 363.8 | 362.8 | 363.3 | 362.8 | 364.3 | 364.8 | 363.8 | 363.3 | 363.8 | 365.8 | 365.3 |
| 12.5° | 364.3 | 363.8 | 363.8 | 363.3 | 364.8 | 365.3 | 364.3 | 363.8 | 364.3 | 365.8 | 365.3 |
| 15° | 363.3 | 362.8 | 362.8 | 362.8 | 363.8 | 364.8 | 363.3 | 362.8 | 362.8 | 364.3 | 363.8 |
| 17.5° | 361.2 | 360.2 | 360.2 | 360.2 | 360.7 | 361.2 | 359.7 | 359.2 | 358.7 | 360.2 | 359.7 |
| 20° | 357.7 | 356.6 | 355.6 | 355.6 | 356.1 | 356.1 | 355.1 | 353.6 | 353.6 | 354.1 | 353.1 |
| 22.5° | 351.0 | 350.5 | 349.5 | 349.0 | 350.0 | 349.5 | 347.4 | 345.9 | 345.4 | 345.9 | 344.9 |
| 25° | 341.8 | 340.8 | 340.3 | 339.8 | 340.3 | 339.8 | 337.7 | 335.7 | 335.7 | 335.7 | 334.2 |
| 27.5° | 329.1 | 328.0 | 327.5 | 327.5 | 328.0 | 327.0 | 325.0 | 322.9 | 321.9 | 321.9 | 320.4 |
| 30° | 312.7 | 312.7 | 312.2 | 311.7 | 311.2 | 311.2 | 308.1 | 306.1 | 305.0 | 305.5 | 304.5 |
| 32.5° | 292.8 | 292.3 | 291.8 | 290.2 | 290.7 | 290.2 | 287.7 | 286.1 | 284.6 | 283.6 | 283.1 |
| 35° | 267.2 | 267.2 | 266.7 | 266.7 | 266.7 | 266.2 | 263.6 | 262.1 | 261.1 | 260.6 | 259.1 |
| 37.5° | 239.1 | 238.6 | 238.1 | 238.1 | 238.1 | 238.1 | 236.6 | 235.0 | 235.0 | 234.5 | 233.5 |
| 40° | 207.4 | 208.0 | 208.5 | 208.0 | 209.5 | 211.0 | 209.0 | 208.0 | 207.4 | 209.0 | 206.9 |
| 42.5° | 176.8 | 176.3 | 178.8 | 179.3 | 179.3 | 181.9 | 182.4 | 182.9 | 182.4 | 183.4 | 183.4 |
| 45° | 147.2 | 146.6 | 149.2 | 150.2 | 152.8 | 155.8 | 157.4 | 159.9 | 160.9 | 162.0 | 160.9 |
| 47.5° | 119.1 | 121.1 | 123.1 | 125.7 | 127.7 | 132.8 | 135.9 | 138.5 | 139.5 | 141.0 | 141.0 |
| 50° | 95.5 | 97.6 | 101.2 | 103.2 | 105.8 | 111.9 | 117.0 | 120.6 | 122.6 | 124.2 | 123.6 |
| 52.5° | 73.6 | 77.2 | 81.8 | 83.8 | 87.4 | 94.5 | 100.1 | 104.2 | 106.8 | 108.3 | 108.8 |
| 55° | 56.7 | 59.8 | 64.4 | 67.4 | 71.0 | 78.7 | 85.8 | 90.4 | 93.0 | 95.0 | 96.1 |
| 57.5° | 41.9 | 45.5 | 50.6 | 53.1 | 57.2 | 65.9 | 72.0 | 77.7 | 80.7 | 83.3 | 83.8 |
| 60° | 30.7 | 34.2 | 38.8 | 41.9 | 46.0 | 54.7 | 61.8 | 66.9 | 70.5 | 72.6 | 73.6 |
| 62.5° | 22.0 | 25.5 | 30.1 | 33.2 | 36.8 | 44.5 | 51.6 | 56.7 | 60.3 | 62.8 | 64.4 |
| 65° | 15.8 | 19.4 | 24.0 | 26.6 | 29.6 | 36.8 | 43.4 | 48.5 | 52.1 | 55.2 | 56.2 |
| 67.5° | 11.8 | 14.3 | 18.4 | 20.9 | 24.0 | 29.6 | 35.3 | 39.9 | 43.4 | 46.0 | 47.0 |
| 70° | 8.7 | 10.7 | 14.3 | 15.8 | 17.9 | 23.0 | 27.6 | 31.7 | 34.7 | 36.8 | 37.8 |
| 72.5° | 6.1 | 7.7 | 10.2 | 11.8 | 13.3 | 17.4 | 20.9 | 24.0 | 26.1 | 28.1 | 29.1 |
| 75° | 4.1 | 5.1 | 7.2 | 8.2 | 9.2 | 12.3 | 14.8 | 17.4 | 18.9 | 20.4 | 20.9 |
| 77.5° | 2.6 | 3.6 | 5.1 | 5.6 | 6.6 | 8.2 | 10.2 | 11.8 | 12.8 | 13.8 | 14.8 |
| 80° | 1.5 | 2.0 | 3.1 | 3.6 | 4.1 | 5.6 | 6.6 | 7.7 | 8.7 | 9.7 | 10.2 |
| 82.5° | 1.0 | 1.5 | 2.0 | 2.0 | 2.6 | 3.1 | 4.1 | 5.1 | 5.6 | 6.1 | 6.6 |
| 85° | 0.5 | 0.5 | 1.0 | 1.0 | 1.5 | 1.5 | 2.0 | 2.6 | 3.1 | 3.6 | 4.1 |
| 87.5° | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 1.0 | 1.5 | 1.5 | 1.5 | 2.0 | 2.0 |
| 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: P252653

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBDW1H

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 | 361.2 |
| 2.5° | 359.7 | 361.2 | 359.7 | 360.7 | 360.2 | 360.2 | 359.7 | 360.2 |
| 5° | 361.2 | 363.3 | 361.2 | 362.8 | 361.8 | 361.8 | 361.8 | 362.3 |
| 7.5° | 362.8 | 364.8 | 363.3 | 364.8 | 364.3 | 363.8 | 363.8 | 364.8 |
| 10° | 364.3 | 365.8 | 364.8 | 366.3 | 365.8 | 365.3 | 365.3 | 366.3 |
| 12.5° | 364.3 | 366.3 | 365.3 | 366.9 | 366.3 | 365.8 | 365.8 | 366.3 |
| 15° | 362.8 | 365.3 | 363.8 | 365.3 | 364.8 | 364.3 | 364.3 | 365.3 |
| 17.5° | 358.2 | 360.2 | 359.2 | 360.2 | 360.2 | 359.7 | 360.2 | 360.7 |
| 20° | 352.0 | 353.6 | 352.6 | 353.6 | 353.6 | 352.6 | 353.1 | 353.6 |
| 22.5° | 343.4 | 344.9 | 343.9 | 344.9 | 344.4 | 343.9 | 343.9 | 343.4 |
| 25° | 332.6 | 334.7 | 333.1 | 334.2 | 333.1 | 332.1 | 332.1 | 332.6 |
| 27.5° | 319.3 | 320.9 | 318.8 | 319.9 | 318.8 | 317.8 | 317.8 | 317.3 |
| 30° | 302.0 | 302.5 | 300.9 | 302.0 | 300.9 | 300.4 | 299.4 | 299.4 |
| 32.5° | 281.0 | 281.5 | 280.0 | 280.0 | 279.0 | 279.0 | 276.9 | 278.5 |
| 35° | 256.5 | 257.0 | 256.5 | 256.0 | 254.5 | 253.9 | 253.4 | 253.4 |
| 37.5° | 230.9 | 230.9 | 229.4 | 228.9 | 227.9 | 226.9 | 227.4 | 225.8 |
| 40° | 204.9 | 204.4 | 202.8 | 203.4 | 202.8 | 201.3 | 200.8 | 200.3 |
| 42.5° | 180.4 | 180.4 | 178.8 | 179.3 | 178.3 | 177.8 | 176.3 | 176.8 |
| 45° | 158.9 | 158.9 | 157.4 | 157.4 | 156.9 | 155.3 | 155.8 | 154.8 |
| 47.5° | 139.5 | 139.5 | 139.0 | 139.0 | 137.4 | 136.9 | 136.9 | 136.9 |
| 50° | 122.6 | 122.6 | 122.6 | 122.6 | 122.1 | 121.6 | 121.1 | 121.6 |
| 52.5° | 108.3 | 109.3 | 108.8 | 108.8 | 108.3 | 107.8 | 107.3 | 107.3 |
| 55° | 95.5 | 96.1 | 96.1 | 96.6 | 96.1 | 95.5 | 96.1 | 95.5 |
| 57.5° | 84.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 84.8 | 84.3 |
| 60° | 74.6 | 75.1 | 75.1 | 75.6 | 75.6 | 75.6 | 75.1 | 75.1 |
| 62.5° | 64.9 | 65.9 | 66.4 | 66.4 | 66.9 | 66.4 | 66.4 | 66.4 |
| 65° | 57.2 | 58.2 | 58.8 | 58.2 | 58.8 | 58.8 | 58.2 | 58.2 |
| 67.5° | 48.0 | 49.1 | 49.1 | 49.1 | 49.1 | 49.6 | 49.1 | 49.1 |
| 70° | 38.8 | 39.9 | 39.3 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| 72.5° | 29.6 | 30.1 | 30.7 | 30.7 | 31.2 | 30.7 | 30.7 | 30.7 |
| 75° | 21.5 | 22.5 | 22.5 | 22.5 | 22.5 | 23.0 | 23.0 | 23.0 |
| 77.5° | 15.3 | 15.8 | 15.8 | 16.4 | 16.4 | 16.4 | 16.4 | 16.9 |
| 80° | 10.7 | 10.7 | 11.2 | 11.2 | 11.8 | 11.8 | 11.8 | 11.8 |
| 82.5° | 7.2 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| 85° | 4.1 | 4.6 | 4.6 | 4.6 | 4.6 | 5.1 | 5.1 | 5.1 |
| 87.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.0 | 2.0 |
| 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)