

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: P274434

Luminaire Tested: **LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWWOLI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-5)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, LENSED WALLWASH WITH SPECULAR FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 817.3 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.03 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

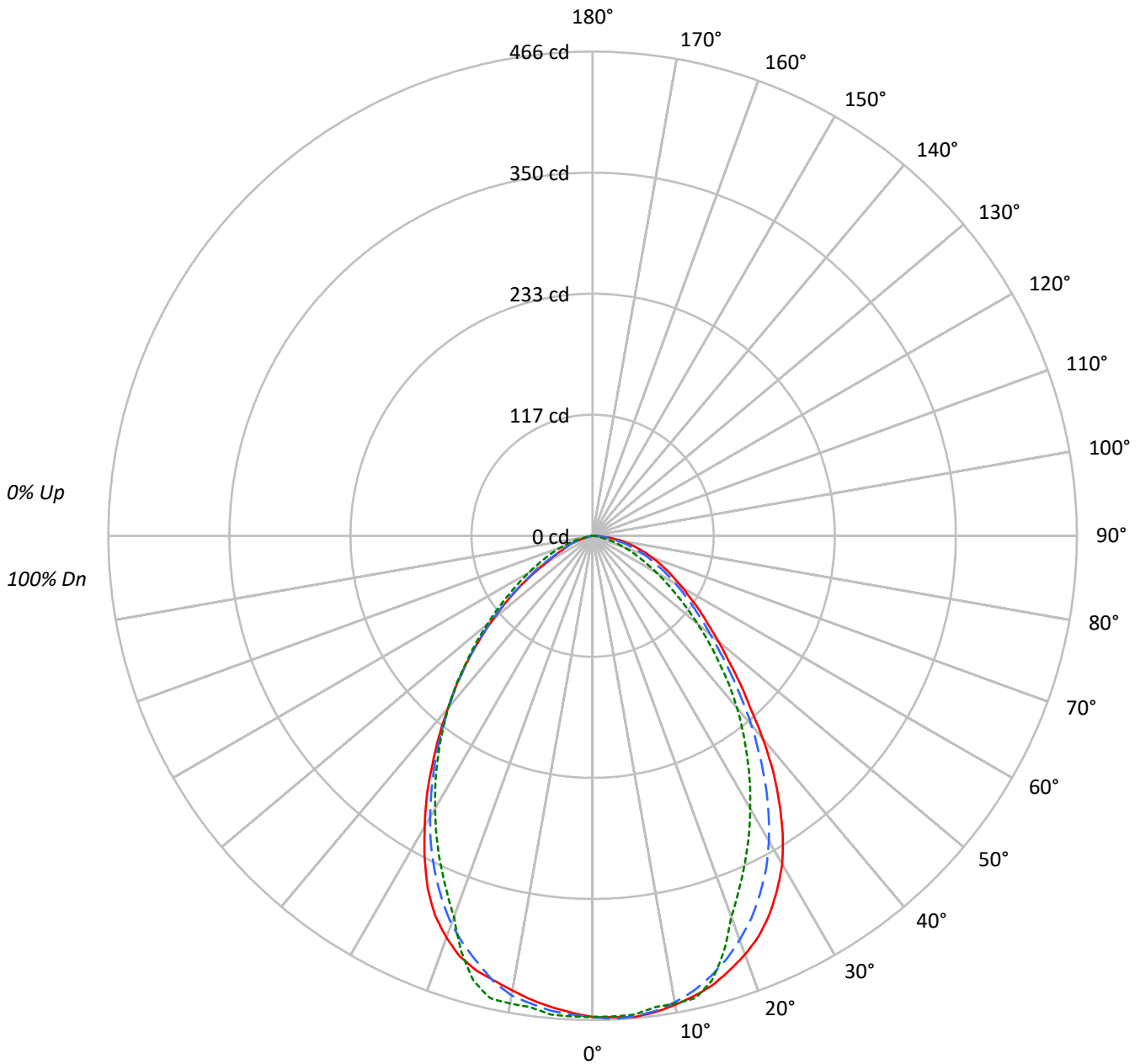
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P274434

CATALOG NUMBER: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P274434

CATALOG NUMBER: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI

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 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | | | | | | | | | | | | |
| 3 | 95 | 86 | 80 | 74 | 93 | 85 | 79 | 73 | 82 | 77 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | | | | | | | | | | | | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | | | | | | | | | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 63 | 57 | 68 | 62 | 57 | 66 | 60 | 56 | 64 | 59 | 55 | 54 | | | | | | | | | | | | | | | | | | | |
| 6 | 77 | 65 | 57 | 51 | 75 | 64 | 57 | 51 | 62 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 7 | 72 | 60 | 52 | 46 | 70 | 59 | 51 | 46 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 49 | 45 | 44 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 66 | 54 | 47 | 42 | 53 | 46 | 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 | 40 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 30213 | 30213 | 30213 |
| 5° | 30446 | 30289 | 29818 |
| 10° | 30361 | 30282 | 29447 |
| 15° | 30225 | 29935 | 29246 |
| 20° | 29771 | 27098 | 28563 |
| 25° | 28967 | 24979 | 27016 |
| 30° | 27504 | 22834 | 24333 |
| 35° | 24952 | 20644 | 21408 |
| 40° | 21666 | 18387 | 18438 |
| 45° | 18481 | 15814 | 15648 |
| 50° | 15996 | 13367 | 12636 |
| 55° | 14298 | 11147 | 9782 |
| 60° | 13022 | 9264 | 6589 |
| 65° | 12165 | 7611 | 4924 |
| 70° | 11579 | 6199 | 4139 |
| 75° | 10915 | 4386 | 1361 |
| 80° | 10407 | 2254 | 451 |
| 85° | 8533 | 1347 | 0 |



TEST NUMBER: P274434

CATALOG NUMBER: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.7 | 5.4 |
| 10°-20° | 122.3 | 15.0 |
| 20°-30° | 168.8 | 20.7 |
| 30°-40° | 171.8 | 21.0 |
| 40°-50° | 138.1 | 16.9 |
| 50°-60° | 91.8 | 11.2 |
| 60°-70° | 52.3 | 6.4 |
| 70°-80° | 23.5 | 2.9 |
| 80°-90° | 4.9 | 0.6 |
| 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° | 334.9 | 41.0 |
| 0°-40° | 506.7 | 62.0 |
| 0°-60° | 736.6 | 90.1 |
| 0°-90° | 817.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 817.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 463 | 463 | 463 | 463 | 463 | |
| 5° | 465 | 464 | 462 | 459 | 455 | 44 |
| 15° | 448 | 439 | 443 | 426 | 433 | 126 |
| 25° | 402 | 381 | 347 | 358 | 375 | 184 |
| 35° | 313 | 289 | 259 | 264 | 269 | 195 |
| 45° | 200 | 188 | 171 | 170 | 170 | 155 |
| 55° | 126 | 117 | 98 | 87 | 86 | 113 |
| 65° | 79 | 70 | 49 | 32 | 32 | 78 |
| 75° | 43 | 36 | 17 | 7 | 5 | 46 |
| 85° | 11 | 8 | 2 | 1 | 0 | 14 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P274434

CATALOG NUMBER: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 463.7 | 466.1 | 465.5 | 464.9 | 465.5 | 464.9 | 463.7 | 463.7 | 462.5 | 462.5 | 465.5 |
| 5° | 464.9 | 466.1 | 465.5 | 464.9 | 464.9 | 465.5 | 463.1 | 463.1 | 461.9 | 461.3 | 464.3 |
| 7.5° | 462.5 | 464.3 | 463.1 | 463.1 | 462.5 | 463.1 | 460.7 | 460.7 | 458.9 | 458.3 | 461.3 |
| 10° | 458.3 | 460.7 | 459.5 | 459.5 | 459.5 | 458.3 | 457.1 | 456.5 | 454.7 | 454.1 | 455.9 |
| 12.5° | 453.5 | 455.3 | 454.7 | 453.5 | 453.5 | 453.5 | 451.1 | 450.5 | 448.1 | 446.9 | 448.7 |
| 15° | 447.5 | 448.7 | 448.1 | 447.5 | 446.3 | 446.3 | 443.9 | 442.6 | 440.2 | 437.8 | 439.0 |
| 17.5° | 438.4 | 440.2 | 439.0 | 438.4 | 436.6 | 436.6 | 434.2 | 433.0 | 429.4 | 427.0 | 427.6 |
| 20° | 428.8 | 429.4 | 428.8 | 427.6 | 425.8 | 425.2 | 422.8 | 420.4 | 417.4 | 414.4 | 413.8 |
| 22.5° | 417.4 | 418.0 | 416.2 | 415.0 | 413.2 | 412.6 | 409.6 | 407.8 | 403.0 | 399.3 | 398.7 |
| 25° | 402.4 | 403.0 | 403.0 | 399.9 | 398.7 | 397.5 | 394.5 | 391.5 | 387.3 | 382.5 | 380.7 |
| 27.5° | 384.3 | 386.1 | 384.9 | 381.9 | 379.5 | 378.9 | 375.9 | 373.5 | 368.1 | 363.9 | 361.5 |
| 30° | 365.1 | 364.5 | 363.9 | 362.1 | 358.4 | 357.8 | 354.8 | 351.8 | 347.6 | 342.2 | 339.2 |
| 32.5° | 340.4 | 340.4 | 339.8 | 338.0 | 334.4 | 333.2 | 330.8 | 327.2 | 322.4 | 318.2 | 315.1 |
| 35° | 313.3 | 313.9 | 313.3 | 309.7 | 307.3 | 306.1 | 304.9 | 300.7 | 296.5 | 291.7 | 289.3 |
| 37.5° | 285.1 | 283.3 | 283.9 | 280.9 | 277.9 | 279.1 | 275.5 | 273.6 | 268.8 | 265.2 | 262.8 |
| 40° | 254.4 | 255.6 | 253.2 | 252.0 | 250.2 | 248.4 | 248.4 | 245.4 | 243.0 | 238.8 | 237.6 |
| 42.5° | 224.3 | 226.1 | 225.5 | 224.3 | 221.9 | 222.5 | 219.5 | 218.3 | 215.3 | 213.5 | 211.7 |
| 45° | 200.3 | 200.3 | 200.3 | 199.1 | 198.5 | 197.3 | 195.5 | 193.7 | 191.9 | 189.4 | 188.2 |
| 47.5° | 176.8 | 176.8 | 177.4 | 176.2 | 175.0 | 174.4 | 173.2 | 173.2 | 170.2 | 167.8 | 166.6 |
| 50° | 157.6 | 157.6 | 157.6 | 156.4 | 155.2 | 155.2 | 154.0 | 152.8 | 151.0 | 149.2 | 148.0 |
| 52.5° | 140.1 | 140.1 | 140.1 | 138.9 | 138.3 | 137.7 | 137.1 | 136.5 | 134.1 | 132.9 | 131.7 |
| 55° | 125.7 | 125.1 | 125.1 | 124.5 | 123.3 | 123.3 | 122.7 | 121.5 | 119.7 | 117.9 | 117.3 |
| 57.5° | 111.3 | 111.9 | 111.3 | 111.3 | 110.1 | 110.1 | 108.9 | 108.3 | 106.5 | 105.2 | 104.0 |
| 60° | 99.8 | 99.8 | 99.8 | 99.2 | 98.0 | 98.6 | 97.4 | 96.8 | 95.0 | 93.2 | 92.0 |
| 62.5° | 88.4 | 89.0 | 89.0 | 88.4 | 87.2 | 87.2 | 86.6 | 86.0 | 84.2 | 82.4 | 80.6 |
| 65° | 78.8 | 78.8 | 78.8 | 78.2 | 77.6 | 77.6 | 77.0 | 76.4 | 74.6 | 72.2 | 70.4 |
| 67.5° | 69.8 | 69.2 | 69.2 | 69.2 | 68.6 | 68.0 | 67.4 | 66.8 | 65.0 | 63.1 | 60.7 |
| 70° | 60.7 | 60.7 | 60.7 | 60.1 | 58.9 | 59.5 | 58.9 | 58.3 | 56.5 | 54.7 | 52.9 |
| 72.5° | 52.3 | 52.3 | 51.7 | 51.1 | 51.1 | 50.5 | 50.5 | 49.9 | 48.1 | 45.7 | 43.9 |
| 75° | 43.3 | 43.3 | 43.3 | 43.3 | 42.1 | 42.7 | 41.5 | 40.9 | 39.7 | 37.9 | 36.1 |
| 77.5° | 35.5 | 35.5 | 35.5 | 34.9 | 34.3 | 34.3 | 33.7 | 33.1 | 31.3 | 30.1 | 27.7 |
| 80° | 27.7 | 27.7 | 27.7 | 27.7 | 27.1 | 26.5 | 25.9 | 25.3 | 24.1 | 22.3 | 20.4 |
| 82.5° | 20.4 | 20.4 | 19.8 | 19.8 | 19.8 | 19.2 | 18.6 | 18.0 | 16.8 | 15.6 | 14.4 |
| 85° | 11.4 | 12.0 | 12.0 | 10.8 | 11.4 | 10.8 | 10.8 | 9.6 | 9.6 | 8.4 | 7.8 |
| 87.5° | 4.2 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.0 | 3.0 | 3.0 | 2.4 |
| 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: P274434

CATALOG NUMBER: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 463.1 | 462.5 | 464.9 | 464.9 | 461.3 | 463.1 | 463.7 | 462.5 | 462.5 | 463.1 | 461.3 |
| 5° | 461.9 | 460.7 | 463.1 | 463.7 | 460.1 | 461.9 | 462.5 | 461.3 | 461.9 | 462.5 | 460.1 |
| 7.5° | 457.7 | 457.7 | 459.5 | 460.1 | 456.5 | 458.3 | 458.3 | 457.1 | 457.7 | 457.7 | 455.9 |
| 10° | 453.5 | 451.7 | 453.5 | 453.5 | 450.5 | 451.1 | 452.3 | 451.7 | 454.1 | 457.1 | 457.1 |
| 12.5° | 445.7 | 443.9 | 446.9 | 446.9 | 445.1 | 447.5 | 450.5 | 452.3 | 454.7 | 455.9 | 452.3 |
| 15° | 436.0 | 436.6 | 442.0 | 446.3 | 444.5 | 448.1 | 451.1 | 449.9 | 446.9 | 443.2 | 437.8 |
| 17.5° | 423.4 | 421.6 | 426.4 | 428.8 | 426.4 | 427.6 | 430.0 | 427.6 | 422.8 | 419.8 | 412.6 |
| 20° | 409.0 | 404.2 | 404.2 | 403.0 | 398.7 | 398.7 | 398.1 | 393.9 | 392.1 | 390.3 | 387.3 |
| 22.5° | 392.7 | 387.3 | 385.5 | 381.9 | 378.3 | 377.7 | 375.9 | 371.7 | 369.3 | 368.1 | 364.5 |
| 25° | 374.1 | 369.3 | 366.3 | 362.7 | 357.2 | 356.0 | 354.2 | 350.0 | 348.8 | 347.0 | 344.0 |
| 27.5° | 354.8 | 348.8 | 344.6 | 341.0 | 336.2 | 335.6 | 332.0 | 329.0 | 326.6 | 325.4 | 323.0 |
| 30° | 332.6 | 326.0 | 323.0 | 318.2 | 314.5 | 313.3 | 310.3 | 306.1 | 304.3 | 303.1 | 301.3 |
| 32.5° | 307.9 | 302.5 | 299.5 | 295.3 | 290.5 | 291.1 | 287.5 | 283.9 | 282.7 | 281.5 | 279.7 |
| 35° | 283.9 | 278.5 | 274.9 | 271.2 | 268.2 | 267.0 | 264.6 | 261.6 | 259.8 | 259.2 | 258.0 |
| 37.5° | 257.4 | 253.2 | 250.2 | 246.6 | 244.2 | 243.0 | 241.8 | 238.8 | 237.6 | 237.6 | 235.2 |
| 40° | 231.5 | 227.9 | 225.5 | 223.7 | 220.7 | 220.1 | 218.9 | 217.1 | 216.5 | 215.9 | 214.1 |
| 42.5° | 208.1 | 203.3 | 201.5 | 200.3 | 198.5 | 197.3 | 196.7 | 195.5 | 194.9 | 194.3 | 192.5 |
| 45° | 185.8 | 181.6 | 179.8 | 178.6 | 176.8 | 176.2 | 175.6 | 173.8 | 172.6 | 171.4 | 170.8 |
| 47.5° | 164.2 | 161.2 | 160.6 | 157.6 | 156.4 | 155.2 | 154.0 | 152.8 | 152.2 | 151.6 | 149.2 |
| 50° | 145.5 | 143.7 | 140.7 | 138.9 | 137.7 | 137.1 | 134.7 | 132.9 | 132.3 | 131.7 | 129.9 |
| 52.5° | 128.7 | 126.3 | 124.5 | 121.5 | 120.9 | 119.7 | 118.5 | 116.1 | 114.9 | 114.3 | 112.5 |
| 55° | 113.7 | 111.9 | 109.5 | 107.1 | 105.2 | 104.6 | 102.8 | 100.4 | 99.2 | 98.0 | 96.8 |
| 57.5° | 101.0 | 98.0 | 95.6 | 93.2 | 92.0 | 90.2 | 88.4 | 87.2 | 85.4 | 83.6 | 81.8 |
| 60° | 89.0 | 86.6 | 83.6 | 81.2 | 80.0 | 78.8 | 76.4 | 74.6 | 72.8 | 71.0 | 69.2 |
| 62.5° | 77.6 | 75.2 | 72.2 | 69.8 | 68.6 | 67.4 | 65.0 | 63.1 | 61.3 | 59.5 | 57.1 |
| 65° | 67.4 | 65.0 | 62.5 | 60.1 | 58.9 | 57.7 | 55.3 | 52.9 | 51.1 | 49.3 | 46.9 |
| 67.5° | 58.9 | 55.9 | 53.5 | 51.1 | 49.9 | 48.7 | 46.3 | 44.5 | 42.1 | 40.3 | 37.9 |
| 70° | 49.9 | 47.5 | 45.7 | 43.3 | 42.1 | 40.9 | 38.5 | 36.1 | 34.3 | 32.5 | 30.1 |
| 72.5° | 42.1 | 39.1 | 37.3 | 34.9 | 33.7 | 33.1 | 30.7 | 28.9 | 27.1 | 24.7 | 22.9 |
| 75° | 33.7 | 31.3 | 28.9 | 27.1 | 25.9 | 25.3 | 22.9 | 21.0 | 19.2 | 17.4 | 15.6 |
| 77.5° | 25.9 | 24.1 | 21.7 | 19.8 | 18.6 | 18.0 | 15.6 | 13.8 | 12.0 | 10.8 | 9.0 |
| 80° | 19.2 | 16.8 | 15.6 | 13.8 | 13.2 | 12.0 | 10.8 | 9.0 | 7.8 | 6.0 | 4.8 |
| 82.5° | 13.2 | 11.4 | 10.2 | 9.0 | 8.4 | 7.8 | 6.6 | 5.4 | 4.2 | 3.6 | 3.0 |
| 85° | 7.2 | 6.0 | 5.4 | 4.8 | 4.2 | 4.2 | 3.6 | 3.0 | 2.4 | 1.8 | 1.2 |
| 87.5° | 2.4 | 1.8 | 1.8 | 1.8 | 1.8 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 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 |



TEST NUMBER: P274434

CATALOG NUMBER: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 462.5 | 462.5 | 462.5 | 461.9 | 461.9 | 461.9 | 461.3 | 463.7 | 461.3 | 460.7 | 462.5 |
| 5° | 461.9 | 460.7 | 460.7 | 460.7 | 460.7 | 460.1 | 459.5 | 460.7 | 458.9 | 458.3 | 458.3 |
| 7.5° | 458.3 | 457.7 | 457.7 | 457.1 | 456.5 | 455.9 | 455.3 | 455.9 | 454.1 | 453.5 | 453.5 |
| 10° | 458.9 | 457.7 | 457.7 | 455.9 | 454.7 | 452.9 | 451.1 | 451.7 | 449.3 | 447.5 | 447.5 |
| 12.5° | 451.7 | 448.7 | 446.9 | 445.1 | 443.9 | 443.2 | 440.8 | 442.0 | 439.6 | 439.0 | 439.0 |
| 15° | 435.4 | 431.8 | 428.8 | 427.6 | 427.6 | 426.4 | 424.6 | 427.0 | 425.8 | 426.4 | 429.4 |
| 17.5° | 410.2 | 408.4 | 406.6 | 406.0 | 406.6 | 407.8 | 409.0 | 412.6 | 412.6 | 414.4 | 417.4 |
| 20° | 387.9 | 386.7 | 387.9 | 387.9 | 388.5 | 390.9 | 393.3 | 396.3 | 397.5 | 399.3 | 403.6 |
| 22.5° | 366.3 | 366.3 | 367.5 | 369.3 | 368.7 | 372.9 | 373.5 | 378.9 | 378.9 | 382.5 | 386.1 |
| 25° | 345.2 | 345.2 | 346.4 | 347.0 | 348.2 | 350.6 | 353.0 | 357.2 | 358.4 | 362.1 | 365.1 |
| 27.5° | 324.8 | 324.2 | 324.2 | 324.8 | 326.0 | 329.0 | 330.2 | 335.0 | 336.8 | 339.2 | 342.2 |
| 30° | 301.9 | 301.3 | 302.5 | 303.7 | 303.1 | 306.1 | 307.9 | 311.5 | 312.7 | 315.1 | 317.6 |
| 32.5° | 280.3 | 280.3 | 280.3 | 281.5 | 281.5 | 283.9 | 283.9 | 288.1 | 288.1 | 289.9 | 292.3 |
| 35° | 258.0 | 258.0 | 258.6 | 259.2 | 259.8 | 260.4 | 261.0 | 263.4 | 264.0 | 264.6 | 265.8 |
| 37.5° | 237.0 | 236.4 | 237.0 | 237.0 | 235.8 | 238.2 | 238.2 | 240.6 | 238.8 | 240.6 | 241.2 |
| 40° | 215.3 | 215.3 | 214.7 | 214.7 | 214.7 | 215.9 | 214.7 | 216.5 | 215.3 | 216.5 | 215.9 |
| 42.5° | 193.1 | 193.1 | 191.9 | 193.1 | 192.5 | 192.5 | 192.5 | 193.7 | 191.9 | 193.1 | 193.7 |
| 45° | 170.8 | 170.2 | 170.2 | 169.6 | 169.6 | 169.6 | 170.2 | 170.2 | 169.6 | 170.8 | 170.8 |
| 47.5° | 149.2 | 148.6 | 148.6 | 148.6 | 148.6 | 149.2 | 147.3 | 148.6 | 147.3 | 147.3 | 147.3 |
| 50° | 130.5 | 129.9 | 129.3 | 128.7 | 128.1 | 128.1 | 127.5 | 127.5 | 126.3 | 125.7 | 125.1 |
| 52.5° | 112.5 | 111.9 | 110.7 | 110.7 | 110.1 | 109.5 | 107.7 | 107.7 | 105.9 | 105.2 | 105.2 |
| 55° | 96.2 | 94.4 | 93.8 | 92.6 | 92.6 | 91.4 | 90.2 | 89.0 | 87.2 | 86.0 | 86.0 |
| 57.5° | 81.2 | 79.4 | 78.2 | 77.6 | 77.0 | 75.8 | 73.4 | 72.8 | 70.4 | 69.8 | 69.2 |
| 60° | 68.0 | 66.2 | 64.4 | 63.1 | 62.5 | 60.7 | 58.3 | 57.1 | 55.9 | 54.1 | 52.3 |
| 62.5° | 55.3 | 53.5 | 51.1 | 50.5 | 49.3 | 47.5 | 45.7 | 43.9 | 42.7 | 40.9 | 39.7 |
| 65° | 44.5 | 42.7 | 40.9 | 39.7 | 38.5 | 36.7 | 34.9 | 33.1 | 31.9 | 31.3 | 30.7 |
| 67.5° | 36.1 | 33.7 | 31.9 | 31.3 | 30.1 | 28.9 | 27.1 | 26.5 | 25.3 | 25.3 | 25.3 |
| 70° | 28.3 | 26.5 | 24.7 | 24.1 | 23.5 | 22.3 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 72.5° | 21.0 | 19.8 | 18.0 | 17.4 | 16.8 | 16.2 | 15.0 | 15.6 | 15.0 | 15.0 | 15.0 |
| 75° | 13.2 | 12.0 | 10.8 | 10.2 | 9.6 | 9.0 | 8.4 | 7.8 | 7.2 | 6.6 | 6.6 |
| 77.5° | 7.2 | 6.0 | 5.4 | 4.8 | 4.8 | 4.2 | 3.6 | 3.6 | 3.0 | 3.0 | 3.0 |
| 80° | 4.2 | 3.6 | 3.0 | 2.4 | 2.4 | 1.8 | 1.8 | 1.8 | 1.8 | 1.2 | 1.2 |
| 82.5° | 2.4 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 85° | 1.2 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 |
| 87.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 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 |



TEST NUMBER: P274434

CATALOG NUMBER: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBLWW0LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 | 463.1 |
| 2.5° | 459.5 | 461.3 | 459.5 | 461.3 | 461.3 | 461.3 | 461.3 | 459.5 |
| 5° | 456.5 | 457.7 | 455.9 | 457.1 | 457.7 | 457.1 | 457.1 | 455.3 |
| 7.5° | 451.1 | 452.3 | 450.5 | 452.3 | 452.9 | 452.3 | 451.7 | 450.5 |
| 10° | 445.7 | 446.3 | 444.5 | 445.7 | 446.9 | 446.9 | 446.3 | 444.5 |
| 12.5° | 437.2 | 439.0 | 437.2 | 438.4 | 439.6 | 440.2 | 440.2 | 438.4 |
| 15° | 427.6 | 430.6 | 429.4 | 431.2 | 433.0 | 433.6 | 433.6 | 433.0 |
| 17.5° | 418.0 | 421.0 | 419.2 | 422.2 | 424.0 | 425.2 | 425.8 | 424.6 |
| 20° | 404.2 | 407.8 | 406.6 | 409.0 | 411.4 | 413.2 | 413.2 | 411.4 |
| 22.5° | 386.1 | 390.9 | 390.3 | 392.1 | 395.1 | 395.7 | 396.9 | 395.7 |
| 25° | 366.3 | 369.9 | 369.3 | 371.1 | 374.7 | 374.7 | 375.3 | 375.3 |
| 27.5° | 343.4 | 347.0 | 346.4 | 347.6 | 350.0 | 350.6 | 351.2 | 350.0 |
| 30° | 318.8 | 320.6 | 320.6 | 322.4 | 324.2 | 324.8 | 324.8 | 323.0 |
| 32.5° | 291.7 | 294.1 | 295.3 | 294.7 | 296.5 | 297.7 | 297.1 | 297.1 |
| 35° | 267.0 | 267.6 | 268.2 | 268.8 | 269.4 | 270.6 | 269.4 | 268.8 |
| 37.5° | 240.6 | 242.4 | 241.2 | 242.4 | 243.6 | 243.0 | 242.4 | 242.4 |
| 40° | 216.5 | 217.1 | 215.9 | 217.1 | 217.7 | 217.7 | 217.7 | 216.5 |
| 42.5° | 192.5 | 193.7 | 192.5 | 193.7 | 193.7 | 193.7 | 193.7 | 193.1 |
| 45° | 168.4 | 169.6 | 169.6 | 170.2 | 170.2 | 169.6 | 169.6 | 169.6 |
| 47.5° | 146.1 | 147.3 | 146.1 | 147.3 | 148.0 | 146.7 | 146.7 | 146.7 |
| 50° | 125.1 | 124.5 | 124.5 | 125.1 | 125.1 | 125.1 | 125.1 | 124.5 |
| 52.5° | 103.4 | 104.0 | 104.0 | 104.0 | 104.6 | 104.0 | 104.6 | 104.6 |
| 55° | 84.8 | 84.8 | 84.8 | 85.4 | 84.8 | 84.8 | 85.4 | 86.0 |
| 57.5° | 68.0 | 67.4 | 66.8 | 66.8 | 67.4 | 66.8 | 66.8 | 66.8 |
| 60° | 52.3 | 51.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 50.5 |
| 62.5° | 39.1 | 39.1 | 39.1 | 39.7 | 39.7 | 39.7 | 39.7 | 40.3 |
| 65° | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.9 |
| 67.5° | 25.3 | 25.3 | 25.3 | 25.9 | 25.9 | 25.9 | 25.9 | 25.9 |
| 70° | 21.0 | 21.0 | 21.7 | 21.0 | 21.7 | 21.7 | 21.7 | 21.7 |
| 72.5° | 14.4 | 14.4 | 14.4 | 14.4 | 14.4 | 13.8 | 14.4 | 13.8 |
| 75° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.4 |
| 77.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 80° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 82.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 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)