

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P843300

Luminaire Tested: **LD4C10DE010B2750 EU4C10B30 4LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C10DE010B2750 EU4C10B30 4LBLWWH
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

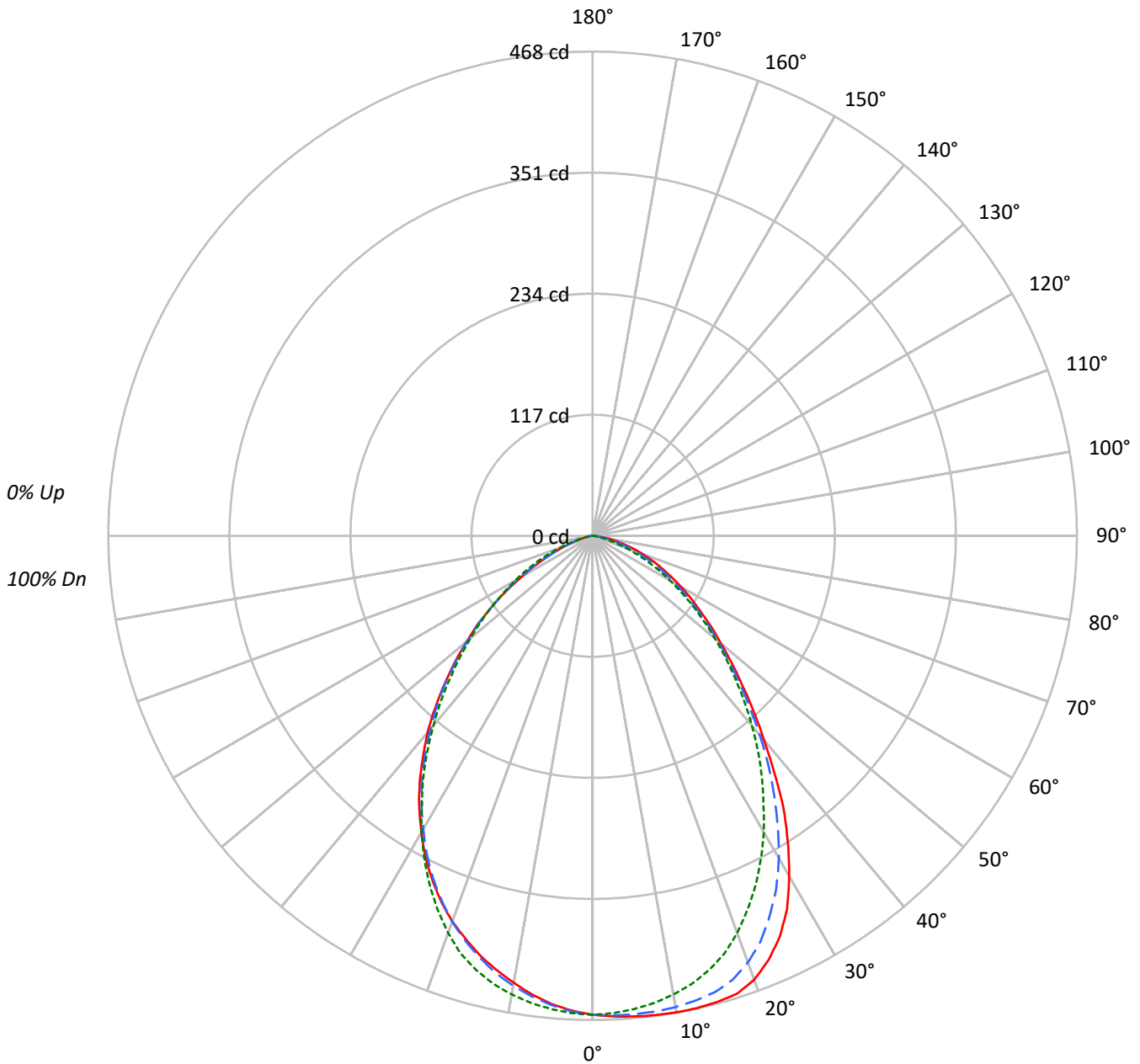
Lumens per Lamp: N/A
Luminaire Lumens: 872.5 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
Input Voltage (V):
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: P843300

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBLWWH

Luminous Intensity Polar Plot





TEST NUMBER: P843300

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBLWWH

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 | 94 | 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 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | | | | | | | | | | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 77 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 62 | 70 | 65 | 62 | 60 | | | | | | | | | | | | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 69 | 62 | 57 | 67 | 61 | 56 | 66 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | | | | | | | | | | | | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | | | | | | | | | | | | | | | | | |
| 7 | 71 | 59 | 51 | 46 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 54 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 40 | 39 | | | | | | | | | | | | | | | | | | | |
| 9 | 62 | 50 | 43 | 38 | 61 | 50 | 42 | 37 | 49 | 42 | 37 | 47 | 41 | 37 | 47 | 41 | 37 | 35 | | | | | | | | | | | | | | | | | | | |
| 10 | 59 | 47 | 39 | 34 | 58 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 56881 | 56881 | 56881 |
| 5° | 57518 | 56630 | 56026 |
| 10° | 58357 | 56149 | 54740 |
| 15° | 59320 | 55263 | 53431 |
| 20° | 59695 | 53393 | 51851 |
| 25° | 57976 | 50494 | 49721 |
| 30° | 53878 | 46927 | 46955 |
| 35° | 48232 | 42773 | 43703 |
| 40° | 41296 | 38345 | 39757 |
| 45° | 35565 | 33810 | 35078 |
| 50° | 30905 | 29433 | 30313 |
| 55° | 27181 | 25317 | 25103 |
| 60° | 24202 | 21131 | 19460 |
| 65° | 21221 | 16948 | 14070 |
| 70° | 18247 | 11961 | 9519 |
| 75° | 14810 | 6930 | 5554 |
| 80° | 10542 | 2971 | 2759 |
| 85° | 4088 | 1128 | 1128 |



TEST NUMBER: P843300

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBLWWH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.6 | 5.0 |
| 10°-20° | 123.5 | 14.2 |
| 20°-30° | 176.4 | 20.2 |
| 30°-40° | 184.5 | 21.1 |
| 40°-50° | 154.6 | 17.7 |
| 50°-60° | 108.2 | 12.4 |
| 60°-70° | 58.9 | 6.8 |
| 70°-80° | 20.4 | 2.3 |
| 80°-90° | 2.3 | 0.3 |
| 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° | 343.5 | 39.4 |
| 0°-40° | 528.0 | 60.5 |
| 0°-60° | 790.8 | 90.6 |
| 0°-90° | 872.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 872.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 463 | 463 | 463 | 463 | 463 | |
| 5° | 466 | 464 | 459 | 455 | 454 | 45 |
| 15° | 466 | 457 | 434 | 422 | 420 | 132 |
| 25° | 428 | 405 | 372 | 365 | 367 | 195 |
| 35° | 322 | 306 | 285 | 288 | 291 | 199 |
| 45° | 205 | 200 | 195 | 201 | 202 | 159 |
| 55° | 127 | 123 | 118 | 118 | 117 | 115 |
| 65° | 73 | 67 | 58 | 49 | 48 | 73 |
| 75° | 31 | 25 | 15 | 12 | 12 | 34 |
| 85° | 3 | 2 | 1 | 1 | 1 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P843300

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBLWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 |
| 2.5° | 465.1 | 464.6 | 464.7 | 464.7 | 464.7 | 464.6 | 464.7 | 464.6 | 464.6 | 464.4 | 464.1 |
| 5° | 466.4 | 466.0 | 466.0 | 466.0 | 465.9 | 465.7 | 465.7 | 465.5 | 465.1 | 464.9 | 464.2 |
| 7.5° | 467.3 | 466.9 | 466.9 | 466.7 | 466.5 | 466.4 | 466.2 | 465.7 | 465.1 | 464.7 | 463.9 |
| 10° | 467.8 | 467.3 | 467.3 | 466.9 | 466.5 | 466.4 | 466.0 | 465.4 | 464.6 | 463.7 | 462.5 |
| 12.5° | 467.5 | 466.9 | 466.7 | 466.4 | 465.7 | 465.4 | 464.9 | 464.1 | 462.8 | 461.6 | 460.0 |
| 15° | 466.4 | 466.0 | 465.7 | 465.1 | 464.2 | 463.7 | 463.3 | 462.0 | 460.3 | 458.6 | 456.6 |
| 17.5° | 464.2 | 463.7 | 463.0 | 462.3 | 461.0 | 460.5 | 459.6 | 457.8 | 455.5 | 453.0 | 450.0 |
| 20° | 456.6 | 456.3 | 455.5 | 454.3 | 452.3 | 451.6 | 450.3 | 448.0 | 445.1 | 442.0 | 438.8 |
| 22.5° | 443.9 | 443.4 | 442.3 | 441.2 | 439.4 | 438.3 | 437.2 | 433.9 | 430.6 | 427.4 | 424.3 |
| 25° | 427.7 | 427.2 | 425.8 | 424.3 | 422.5 | 420.4 | 419.4 | 416.9 | 413.5 | 409.4 | 405.0 |
| 27.5° | 406.9 | 405.1 | 404.5 | 403.0 | 400.3 | 399.6 | 398.0 | 394.8 | 391.5 | 388.0 | 384.2 |
| 30° | 379.8 | 379.8 | 378.7 | 378.1 | 375.6 | 374.8 | 373.0 | 369.6 | 368.0 | 362.9 | 360.0 |
| 32.5° | 351.1 | 350.8 | 349.9 | 349.3 | 348.0 | 346.7 | 344.9 | 343.2 | 339.2 | 336.8 | 332.8 |
| 35° | 321.6 | 319.5 | 319.8 | 318.8 | 317.8 | 316.4 | 316.2 | 314.3 | 310.7 | 309.4 | 305.8 |
| 37.5° | 288.0 | 287.0 | 288.3 | 286.7 | 285.8 | 286.0 | 284.6 | 283.3 | 281.9 | 279.4 | 278.7 |
| 40° | 257.5 | 258.2 | 258.1 | 256.6 | 257.3 | 256.5 | 255.0 | 253.7 | 253.1 | 251.4 | 250.9 |
| 42.5° | 230.2 | 229.2 | 228.9 | 228.9 | 229.0 | 229.0 | 228.3 | 227.4 | 227.4 | 225.8 | 224.2 |
| 45° | 204.7 | 204.7 | 204.2 | 205.3 | 203.7 | 203.7 | 203.2 | 203.0 | 202.3 | 201.9 | 200.0 |
| 47.5° | 182.5 | 182.3 | 182.1 | 182.0 | 181.8 | 181.8 | 180.7 | 179.9 | 179.7 | 178.6 | 177.6 |
| 50° | 161.7 | 162.8 | 162.5 | 161.5 | 161.2 | 161.3 | 160.7 | 160.1 | 159.9 | 158.1 | 158.3 |
| 52.5° | 144.3 | 144.0 | 144.4 | 143.8 | 143.0 | 143.2 | 142.5 | 141.7 | 141.0 | 140.1 | 139.4 |
| 55° | 126.9 | 127.9 | 127.6 | 126.9 | 126.8 | 126.4 | 125.9 | 125.0 | 124.8 | 122.9 | 122.7 |
| 57.5° | 112.5 | 112.3 | 112.0 | 111.2 | 110.9 | 110.4 | 110.4 | 109.7 | 108.6 | 107.6 | 106.7 |
| 60° | 98.5 | 98.5 | 97.9 | 97.7 | 97.1 | 96.9 | 96.7 | 96.0 | 94.8 | 93.8 | 92.4 |
| 62.5° | 84.9 | 85.2 | 84.9 | 84.4 | 83.9 | 83.1 | 82.8 | 82.3 | 81.2 | 80.3 | 79.1 |
| 65° | 73.0 | 72.9 | 72.7 | 71.9 | 71.8 | 71.1 | 70.9 | 69.8 | 68.7 | 68.0 | 66.6 |
| 67.5° | 61.7 | 61.1 | 61.1 | 60.7 | 60.4 | 59.9 | 59.4 | 58.4 | 57.1 | 56.5 | 55.0 |
| 70° | 50.8 | 50.3 | 50.3 | 50.3 | 49.5 | 49.0 | 48.8 | 48.2 | 46.4 | 45.8 | 44.3 |
| 72.5° | 40.8 | 40.6 | 40.4 | 39.9 | 39.3 | 39.3 | 38.6 | 37.5 | 36.7 | 35.7 | 34.7 |
| 75° | 31.2 | 31.5 | 31.2 | 30.5 | 30.2 | 29.9 | 29.4 | 28.5 | 27.6 | 26.5 | 25.3 |
| 77.5° | 22.8 | 22.4 | 22.1 | 22.1 | 21.7 | 21.0 | 20.8 | 20.1 | 19.0 | 18.3 | 17.1 |
| 80° | 14.9 | 14.8 | 14.4 | 14.1 | 13.9 | 13.7 | 13.5 | 12.8 | 11.7 | 11.2 | 10.2 |
| 82.5° | 8.1 | 8.0 | 8.0 | 7.8 | 7.3 | 7.3 | 7.1 | 6.5 | 5.9 | 5.5 | 5.0 |
| 85° | 2.9 | 2.9 | 2.9 | 2.6 | 2.6 | 2.6 | 2.5 | 2.3 | 2.1 | 2.0 | 1.6 |
| 87.5° | 0.3 | 0.2 | 0.3 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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: P843300

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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 |
| 2.5° | 463.7 | 463.3 | 463.1 | 463.0 | 462.8 | 462.6 | 462.5 | 462.1 | 462.0 | 461.8 | 461.3 |
| 5° | 463.7 | 463.0 | 462.6 | 462.1 | 461.8 | 461.3 | 460.8 | 460.3 | 459.8 | 459.2 | 458.7 |
| 7.5° | 463.0 | 462.0 | 461.2 | 460.2 | 459.8 | 459.2 | 458.2 | 457.4 | 456.6 | 455.5 | 454.3 |
| 10° | 461.2 | 460.0 | 458.6 | 457.1 | 456.6 | 455.7 | 454.3 | 453.0 | 451.6 | 450.1 | 449.0 |
| 12.5° | 458.4 | 456.4 | 454.7 | 452.7 | 451.6 | 450.7 | 448.8 | 447.0 | 445.2 | 443.6 | 441.5 |
| 15° | 454.0 | 451.8 | 449.5 | 446.7 | 445.6 | 444.5 | 441.7 | 439.4 | 436.6 | 434.5 | 432.4 |
| 17.5° | 447.2 | 443.6 | 440.7 | 437.3 | 435.5 | 434.4 | 431.8 | 428.4 | 425.8 | 423.5 | 420.9 |
| 20° | 435.2 | 431.8 | 427.9 | 424.2 | 422.2 | 420.6 | 417.0 | 413.5 | 410.8 | 408.4 | 405.6 |
| 22.5° | 419.6 | 415.2 | 412.4 | 407.8 | 406.2 | 404.2 | 400.0 | 396.7 | 393.8 | 391.2 | 388.8 |
| 25° | 400.5 | 396.7 | 392.8 | 388.6 | 386.6 | 384.2 | 380.7 | 377.4 | 375.4 | 372.5 | 369.5 |
| 27.5° | 378.6 | 375.6 | 370.7 | 367.0 | 365.1 | 363.3 | 359.9 | 356.8 | 354.0 | 352.1 | 349.2 |
| 30° | 355.5 | 351.9 | 347.6 | 343.7 | 342.6 | 340.5 | 337.5 | 335.2 | 332.1 | 330.8 | 329.7 |
| 32.5° | 330.0 | 325.9 | 322.7 | 320.1 | 318.0 | 316.2 | 314.6 | 310.9 | 310.4 | 307.1 | 306.8 |
| 35° | 302.2 | 300.4 | 297.4 | 295.3 | 293.5 | 292.2 | 289.6 | 287.8 | 285.8 | 285.2 | 284.1 |
| 37.5° | 276.0 | 273.9 | 271.1 | 269.1 | 267.8 | 267.7 | 265.7 | 264.6 | 263.2 | 262.5 | 261.0 |
| 40° | 248.5 | 247.7 | 245.2 | 244.8 | 242.9 | 242.7 | 241.7 | 240.4 | 239.1 | 239.1 | 239.3 |
| 42.5° | 223.3 | 222.2 | 221.2 | 219.9 | 218.8 | 218.8 | 218.3 | 218.0 | 217.6 | 217.0 | 218.0 |
| 45° | 199.6 | 198.2 | 197.5 | 196.2 | 196.8 | 195.7 | 195.3 | 195.3 | 194.8 | 194.6 | 195.9 |
| 47.5° | 177.6 | 176.0 | 175.2 | 174.8 | 174.8 | 175.0 | 173.5 | 174.0 | 173.8 | 174.2 | 174.7 |
| 50° | 157.4 | 156.0 | 154.9 | 154.9 | 155.2 | 154.4 | 153.7 | 154.2 | 153.7 | 154.0 | 155.3 |
| 52.5° | 138.8 | 137.3 | 136.8 | 136.8 | 135.7 | 135.5 | 135.9 | 135.2 | 135.4 | 135.5 | 136.2 |
| 55° | 121.4 | 120.6 | 119.6 | 118.8 | 119.0 | 118.6 | 117.9 | 117.7 | 118.0 | 118.2 | 119.1 |
| 57.5° | 106.0 | 104.7 | 103.4 | 103.1 | 102.8 | 102.8 | 101.9 | 101.6 | 102.1 | 101.1 | 101.1 |
| 60° | 91.2 | 90.4 | 88.8 | 88.3 | 88.3 | 87.5 | 86.7 | 87.0 | 86.2 | 86.0 | 86.2 |
| 62.5° | 77.4 | 76.9 | 75.8 | 74.8 | 74.5 | 74.0 | 73.2 | 72.9 | 72.4 | 71.8 | 70.6 |
| 65° | 65.6 | 64.3 | 63.0 | 62.3 | 61.8 | 60.9 | 60.4 | 59.7 | 58.6 | 58.3 | 57.1 |
| 67.5° | 53.6 | 52.4 | 51.1 | 50.6 | 50.0 | 49.5 | 48.7 | 47.7 | 46.4 | 45.1 | 43.8 |
| 70° | 43.0 | 41.5 | 40.8 | 39.3 | 39.0 | 38.3 | 37.0 | 36.2 | 34.9 | 33.3 | 32.0 |
| 72.5° | 32.9 | 31.8 | 30.8 | 29.5 | 28.7 | 28.1 | 27.1 | 25.6 | 24.2 | 23.4 | 22.1 |
| 75° | 23.7 | 23.2 | 21.7 | 20.3 | 20.0 | 19.2 | 18.0 | 17.1 | 16.1 | 14.6 | 13.5 |
| 77.5° | 16.1 | 14.9 | 14.1 | 12.8 | 12.5 | 11.7 | 11.0 | 10.2 | 9.4 | 8.6 | 7.8 |
| 80° | 9.4 | 8.6 | 8.0 | 7.1 | 6.8 | 6.5 | 5.9 | 5.2 | 4.7 | 4.2 | 4.1 |
| 82.5° | 4.7 | 3.9 | 3.7 | 3.2 | 3.1 | 2.9 | 2.5 | 2.3 | 2.0 | 2.0 | 2.0 |
| 85° | 1.6 | 1.3 | 1.3 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 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: P843300

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 |
| 2.5° | 461.2 | 461.0 | 460.8 | 460.7 | 460.7 | 460.5 | 460.5 | 460.3 | 460.3 | 460.2 | 460.2 |
| 5° | 458.1 | 457.4 | 457.1 | 456.8 | 456.8 | 456.3 | 455.8 | 455.5 | 455.3 | 455.3 | 455.0 |
| 7.5° | 453.5 | 452.9 | 452.1 | 451.6 | 451.4 | 450.6 | 449.8 | 449.8 | 449.1 | 448.8 | 448.4 |
| 10° | 447.7 | 446.4 | 445.4 | 444.8 | 444.1 | 443.6 | 442.7 | 442.2 | 441.7 | 440.7 | 440.6 |
| 12.5° | 439.7 | 438.8 | 437.2 | 436.5 | 436.1 | 435.0 | 433.6 | 432.9 | 432.7 | 432.0 | 431.5 |
| 15° | 430.6 | 428.7 | 427.2 | 426.3 | 426.3 | 424.5 | 423.8 | 422.7 | 422.0 | 421.5 | 421.4 |
| 17.5° | 418.8 | 416.9 | 415.4 | 414.2 | 413.9 | 412.4 | 411.3 | 411.0 | 410.2 | 410.5 | 409.6 |
| 20° | 403.7 | 402.1 | 401.1 | 399.5 | 399.5 | 398.5 | 398.2 | 397.2 | 396.9 | 396.6 | 396.9 |
| 22.5° | 387.5 | 385.5 | 383.7 | 383.6 | 383.6 | 382.3 | 382.1 | 382.0 | 381.3 | 381.8 | 381.6 |
| 25° | 368.5 | 367.0 | 365.9 | 365.7 | 365.7 | 365.1 | 364.4 | 364.7 | 365.2 | 365.1 | 365.6 |
| 27.5° | 348.7 | 347.2 | 346.9 | 346.7 | 346.4 | 346.2 | 346.6 | 346.6 | 347.1 | 347.7 | 348.5 |
| 30° | 327.3 | 326.9 | 326.4 | 326.3 | 325.9 | 326.8 | 327.1 | 327.7 | 327.4 | 328.5 | 329.2 |
| 32.5° | 306.0 | 305.2 | 305.0 | 305.4 | 306.0 | 305.8 | 306.8 | 307.1 | 307.6 | 308.8 | 309.4 |
| 35° | 284.4 | 284.2 | 283.9 | 283.9 | 284.1 | 285.5 | 285.5 | 286.7 | 287.5 | 287.8 | 289.2 |
| 37.5° | 261.2 | 262.0 | 262.3 | 262.8 | 263.0 | 263.6 | 263.9 | 265.1 | 265.9 | 266.6 | 267.3 |
| 40° | 240.1 | 239.7 | 241.2 | 240.2 | 240.6 | 242.2 | 242.9 | 242.7 | 243.8 | 244.8 | 245.6 |
| 42.5° | 217.4 | 218.0 | 218.3 | 218.7 | 219.6 | 219.8 | 220.6 | 221.9 | 222.2 | 223.5 | 223.8 |
| 45° | 195.6 | 195.7 | 196.4 | 197.1 | 197.7 | 199.0 | 199.5 | 200.0 | 201.1 | 201.1 | 201.6 |
| 47.5° | 174.8 | 175.6 | 175.6 | 176.6 | 177.6 | 177.4 | 178.6 | 179.0 | 178.7 | 179.7 | 180.0 |
| 50° | 155.2 | 156.2 | 156.0 | 156.7 | 157.1 | 157.3 | 158.3 | 158.6 | 157.9 | 158.9 | 159.1 |
| 52.5° | 136.2 | 136.8 | 137.5 | 137.7 | 137.3 | 138.2 | 137.8 | 138.6 | 138.3 | 139.1 | 138.3 |
| 55° | 119.0 | 118.8 | 118.8 | 119.1 | 118.8 | 119.1 | 119.5 | 118.8 | 118.2 | 119.0 | 118.8 |
| 57.5° | 101.6 | 101.6 | 101.3 | 101.9 | 101.3 | 100.8 | 100.6 | 100.1 | 99.5 | 99.5 | 99.4 |
| 60° | 85.5 | 85.1 | 84.4 | 84.2 | 84.2 | 83.3 | 83.0 | 82.3 | 82.3 | 81.5 | 80.8 |
| 62.5° | 70.3 | 69.5 | 69.0 | 69.0 | 68.5 | 67.7 | 66.1 | 65.0 | 64.6 | 63.6 | 63.4 |
| 65° | 56.1 | 55.2 | 54.7 | 53.6 | 52.7 | 52.4 | 50.8 | 49.5 | 49.0 | 47.9 | 48.1 |
| 67.5° | 43.0 | 41.7 | 40.1 | 39.3 | 38.8 | 37.5 | 37.0 | 36.2 | 35.6 | 35.6 | 35.6 |
| 70° | 31.0 | 29.7 | 28.1 | 27.6 | 27.3 | 26.2 | 25.6 | 25.5 | 26.0 | 25.8 | 26.0 |
| 72.5° | 20.8 | 19.6 | 18.8 | 18.5 | 18.2 | 17.7 | 18.0 | 18.2 | 17.8 | 18.0 | 18.2 |
| 75° | 12.7 | 12.3 | 11.7 | 11.5 | 11.5 | 11.7 | 11.5 | 11.5 | 11.7 | 11.7 | 12.0 |
| 77.5° | 7.3 | 7.0 | 7.0 | 6.8 | 7.1 | 7.0 | 7.0 | 7.0 | 7.1 | 7.1 | 7.1 |
| 80° | 3.9 | 3.9 | 3.9 | 3.9 | 4.1 | 3.9 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 82.5° | 2.0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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: P843300

CATALOG NUMBER: LD4C10DE010B2750 EU4C10B30 4LBLWWH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 | 463.0 |
| 2.5° | 459.8 | 459.8 | 459.8 | 459.4 | 459.6 | 459.6 | 459.4 | 459.4 |
| 5° | 454.8 | 454.7 | 454.3 | 454.3 | 453.9 | 454.3 | 454.0 | 454.3 |
| 7.5° | 448.0 | 448.0 | 447.5 | 447.5 | 447.3 | 447.2 | 447.0 | 447.2 |
| 10° | 440.0 | 440.0 | 439.7 | 439.4 | 439.7 | 438.9 | 438.9 | 438.8 |
| 12.5° | 431.1 | 430.8 | 430.5 | 430.6 | 430.5 | 429.8 | 429.7 | 429.8 |
| 15° | 420.8 | 420.3 | 420.4 | 419.9 | 419.9 | 419.8 | 420.1 | 420.1 |
| 17.5° | 409.4 | 409.0 | 408.7 | 408.9 | 408.5 | 408.7 | 408.5 | 408.4 |
| 20° | 396.7 | 396.6 | 396.6 | 395.9 | 396.1 | 395.9 | 396.1 | 396.6 |
| 22.5° | 382.1 | 382.0 | 382.1 | 381.6 | 382.0 | 382.0 | 382.5 | 382.5 |
| 25° | 366.2 | 365.9 | 366.3 | 366.5 | 366.7 | 367.2 | 366.7 | 366.8 |
| 27.5° | 348.3 | 348.8 | 349.3 | 349.5 | 350.3 | 349.8 | 349.3 | 349.9 |
| 30° | 330.3 | 330.3 | 330.2 | 330.8 | 331.4 | 331.9 | 331.0 | 331.0 |
| 32.5° | 309.7 | 310.5 | 310.5 | 310.7 | 311.3 | 311.3 | 311.3 | 312.0 |
| 35° | 289.9 | 290.4 | 290.6 | 289.9 | 290.2 | 290.1 | 291.4 | 291.4 |
| 37.5° | 267.8 | 267.8 | 268.0 | 269.3 | 269.3 | 268.7 | 269.1 | 269.1 |
| 40° | 246.9 | 247.0 | 246.3 | 246.6 | 247.5 | 247.2 | 247.5 | 247.9 |
| 42.5° | 223.8 | 225.1 | 224.3 | 224.7 | 224.5 | 224.7 | 225.0 | 225.0 |
| 45° | 201.9 | 202.3 | 202.3 | 202.4 | 202.9 | 203.2 | 202.1 | 201.9 |
| 47.5° | 180.5 | 180.7 | 181.3 | 180.4 | 181.5 | 180.4 | 181.5 | 180.2 |
| 50° | 159.1 | 159.7 | 159.2 | 159.6 | 159.1 | 159.1 | 158.9 | 158.6 |
| 52.5° | 138.6 | 138.3 | 138.3 | 138.2 | 138.2 | 138.6 | 138.2 | 138.8 |
| 55° | 118.0 | 118.2 | 117.9 | 117.7 | 117.5 | 118.0 | 117.5 | 117.2 |
| 57.5° | 98.7 | 99.0 | 98.3 | 98.7 | 97.4 | 97.9 | 98.1 | 98.3 |
| 60° | 80.7 | 80.2 | 80.2 | 79.4 | 79.4 | 80.0 | 79.2 | 79.2 |
| 62.5° | 62.5 | 62.8 | 62.3 | 63.0 | 63.0 | 63.8 | 63.4 | 63.8 |
| 65° | 47.9 | 48.1 | 48.2 | 48.2 | 48.2 | 49.3 | 49.0 | 48.4 |
| 67.5° | 36.2 | 36.3 | 36.5 | 36.3 | 36.9 | 36.5 | 36.5 | 36.7 |
| 70° | 26.2 | 26.3 | 26.5 | 26.5 | 26.3 | 26.5 | 26.5 | 26.5 |
| 72.5° | 18.2 | 18.3 | 18.2 | 18.3 | 18.5 | 18.3 | 18.3 | 18.5 |
| 75° | 12.0 | 12.0 | 11.7 | 11.7 | 11.7 | 11.7 | 12.0 | 11.7 |
| 77.5° | 7.0 | 7.1 | 7.0 | 7.1 | 7.1 | 7.1 | 7.1 | 7.1 |
| 80° | 4.1 | 4.1 | 4.1 | 3.9 | 4.1 | 4.1 | 4.1 | 3.9 |
| 82.5° | 2.1 | 2.1 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 87.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)