

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P394861

Luminaire Tested: **303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 2 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

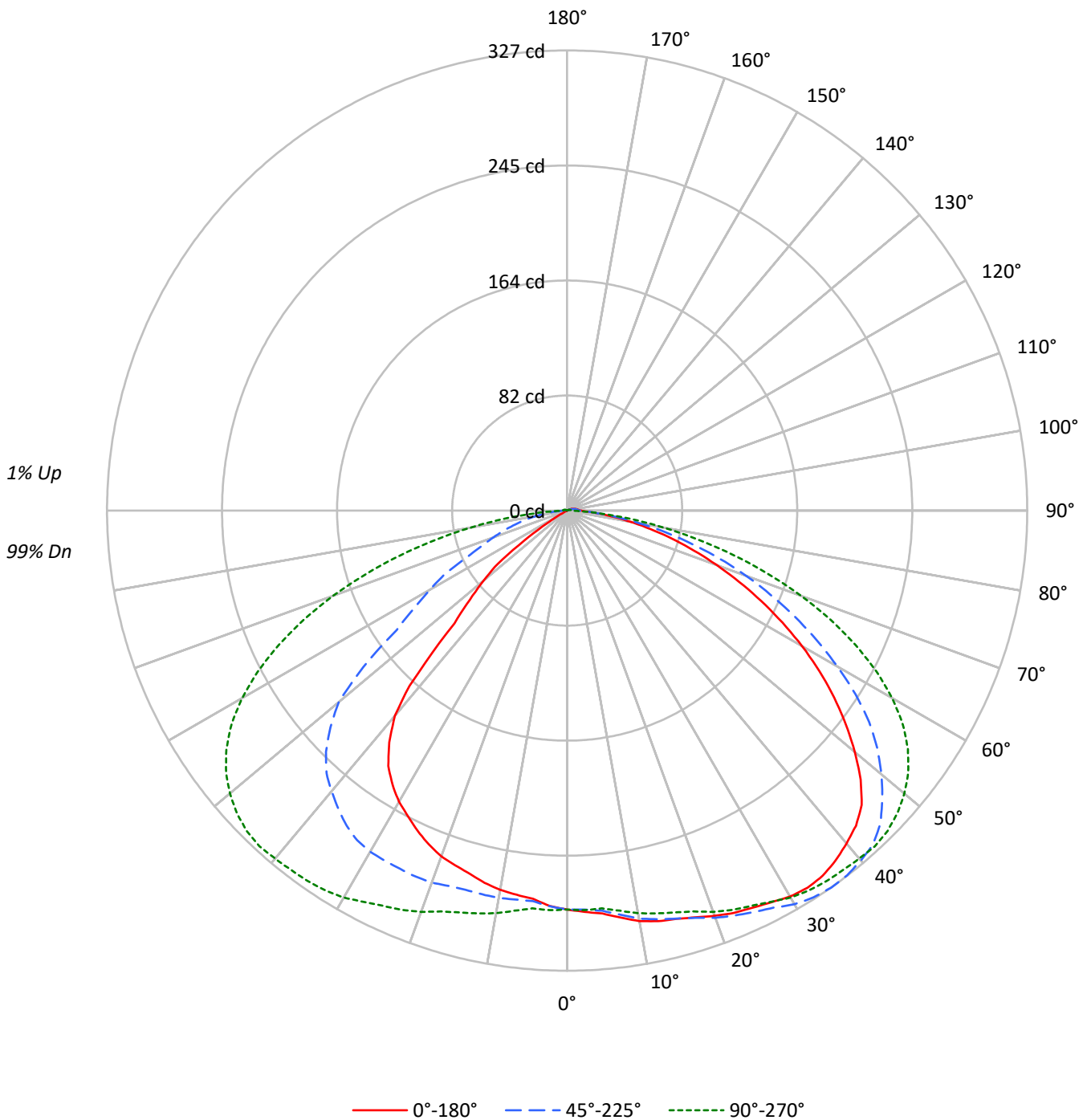
Lumens per Lamp: N/A
Luminaire Lumens: 1078.2 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
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: 24 FT



TEST NUMBER: P394861
CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

Luminous Intensity Polar Plot





TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

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 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 101 | 101 | 101 | 99 | | | | | | | | |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 96 | 93 | 90 | 92 | 90 | 87 | 89 | 87 | 84 | 82 | | | | | | | | |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 73 | 80 | 76 | 72 | 77 | 73 | 70 | 68 | | | | | | | | |
| 3 | 89 | 78 | 69 | 63 | 86 | 76 | 68 | 62 | 73 | 66 | 61 | 70 | 65 | 60 | 68 | 63 | 59 | 56 | | | | | | | | |
| 4 | 81 | 69 | 59 | 53 | 79 | 67 | 59 | 52 | 65 | 57 | 51 | 62 | 56 | 50 | 60 | 54 | 50 | 47 | | | | | | | | |
| 5 | 74 | 61 | 52 | 45 | 72 | 60 | 51 | 44 | 57 | 50 | 44 | 55 | 49 | 43 | 53 | 47 | 43 | 40 | | | | | | | | |
| 6 | 68 | 54 | 45 | 39 | 66 | 53 | 45 | 38 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 35 | | | | | | | | |
| 7 | 63 | 49 | 40 | 34 | 61 | 48 | 40 | 34 | 47 | 39 | 33 | 45 | 38 | 33 | 44 | 37 | 33 | 31 | | | | | | | | |
| 8 | 58 | 45 | 36 | 30 | 57 | 44 | 35 | 30 | 42 | 35 | 29 | 41 | 34 | 29 | 40 | 34 | 29 | 27 | | | | | | | | |
| 9 | 54 | 41 | 32 | 26 | 53 | 40 | 32 | 26 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 30 | 26 | 24 | | | | | | | | |
| 10 | 51 | 37 | 29 | 24 | 50 | 37 | 29 | 24 | 36 | 29 | 24 | 35 | 28 | 23 | 34 | 28 | 23 | 21 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 19530 | 19530 | 19530 |
| 5° | 19833 | 19580 | 19115 |
| 10° | 20633 | 20226 | 19065 |
| 15° | 21281 | 20933 | 18935 |
| 20° | 22275 | 22029 | 19005 |
| 25° | 23408 | 23267 | 18883 |
| 30° | 24848 | 24873 | 18744 |
| 35° | 26194 | 26534 | 18328 |
| 40° | 27231 | 28394 | 16776 |
| 45° | 28162 | 30556 | 10780 |
| 50° | 27799 | 32491 | 8075 |
| 55° | 26895 | 34201 | 4343 |
| 60° | 25517 | 35137 | 926 |
| 65° | 23595 | 34862 | 0 |
| 70° | 21334 | 33180 | 0 |
| 75° | 18835 | 29655 | 49 |
| 80° | 15853 | 24122 | 70 |
| 85° | 12840 | 14721 | 124 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 27.2 | 2.5 |
| 10°-20° | 82.3 | 7.6 |
| 20°-30° | 137.3 | 12.7 |
| 30°-40° | 186.2 | 17.3 |
| 40°-50° | 208.5 | 19.3 |
| 50°-60° | 189.7 | 17.6 |
| 60°-70° | 140.0 | 13.0 |
| 70°-80° | 78.0 | 7.2 |
| 80°-90° | 20.9 | 1.9 |
| 90°-100° | 4.5 | 0.4 |
| 100°-110° | 2.7 | 0.3 |
| 110°-120° | 0.9 | 0.1 |
| 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° | 246.8 | 22.9 |
| 0°-40° | 433.0 | 40.2 |
| 0°-60° | 831.2 | 77.1 |
| 0°-90° | 1070.1 | 99.3 |
| 90°-120° | 8.0 | 0.7 |
| 90°-150° | 8.0 | 0.7 |
| 90°-180° | 8.0 | 0.7 |
| 0°-180° | 1078.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0° | 284 | 284 | 284 | 284 | 284 | |
| 5° | 287 | 285 | 284 | 279 | 277 | 28 |
| 15° | 300 | 300 | 296 | 279 | 267 | 85 |
| 25° | 311 | 315 | 310 | 281 | 251 | 144 |
| 35° | 317 | 327 | 321 | 273 | 222 | 198 |
| 45° | 296 | 315 | 322 | 242 | 113 | 226 |
| 55° | 232 | 262 | 296 | 148 | 37 | 207 |
| 65° | 152 | 179 | 226 | 78 | 0 | 151 |
| 75° | 77 | 92 | 122 | 38 | 0 | 82 |
| 85° | 21 | 22 | 24 | 9 | 0 | 22 |
| 90° | 9 | 8 | 3 | 3 | 0 | 5 |
| 95° | 8 | 7 | 3 | 2 | 0 | 6 |
| 105° | 5 | 4 | 2 | 1 | 0 | 5 |
| 115° | 2 | 1 | 1 | 1 | 0 | 2 |
| 125° | 0 | 0 | 0 | 0 | 0 | 0 |
| 135° | 0 | 0 | 0 | 0 | 0 | 0 |
| 145° | 0 | 0 | 0 | 0 | 0 | 0 |
| 155° | 0 | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 |
| 2.5° | 285.4 | 285.0 | 287.4 | 287.6 | 286.4 | 285.2 | 284.0 | 286.0 | 286.2 | 283.8 | 287.2 |
| 5° | 287.4 | 286.8 | 289.1 | 289.3 | 288.1 | 286.8 | 285.8 | 287.8 | 287.8 | 285.4 | 288.3 |
| 7.5° | 291.7 | 290.9 | 293.6 | 293.6 | 292.6 | 291.9 | 290.1 | 292.3 | 292.1 | 289.7 | 292.6 |
| 10° | 296.2 | 295.8 | 298.5 | 298.3 | 297.5 | 296.6 | 295.0 | 297.1 | 296.6 | 294.4 | 297.0 |
| 12.5° | 298.9 | 298.7 | 301.5 | 301.3 | 300.7 | 299.9 | 298.1 | 300.5 | 299.7 | 297.5 | 300.3 |
| 15° | 300.3 | 300.3 | 303.2 | 303.2 | 302.4 | 301.8 | 300.3 | 302.6 | 302.0 | 300.1 | 302.4 |
| 17.5° | 303.0 | 303.0 | 306.1 | 305.8 | 305.4 | 305.0 | 303.4 | 306.0 | 305.2 | 303.4 | 305.6 |
| 20° | 306.5 | 306.7 | 310.1 | 309.7 | 309.5 | 309.3 | 307.5 | 310.1 | 309.5 | 307.9 | 309.7 |
| 22.5° | 309.5 | 309.5 | 312.8 | 312.4 | 312.2 | 312.2 | 310.6 | 313.4 | 312.8 | 311.4 | 313.2 |
| 25° | 311.4 | 311.6 | 314.8 | 314.6 | 314.2 | 314.6 | 313.2 | 316.5 | 315.7 | 314.6 | 316.1 |
| 27.5° | 313.8 | 314.0 | 317.3 | 317.1 | 317.3 | 317.9 | 316.5 | 319.6 | 319.1 | 318.1 | 319.1 |
| 30° | 316.7 | 317.1 | 320.6 | 320.2 | 320.8 | 321.6 | 320.6 | 323.8 | 323.4 | 323.0 | 323.6 |
| 32.5° | 317.9 | 318.5 | 322.2 | 322.0 | 322.8 | 323.9 | 323.0 | 326.7 | 325.9 | 325.9 | 326.9 |
| 35° | 316.7 | 317.3 | 320.8 | 320.8 | 322.0 | 323.6 | 323.0 | 326.7 | 326.5 | 327.1 | 328.1 |
| 37.5° | 313.4 | 314.2 | 317.5 | 317.7 | 319.1 | 321.2 | 321.0 | 325.1 | 325.3 | 326.7 | 327.7 |
| 40° | 308.9 | 309.7 | 313.0 | 313.4 | 315.1 | 317.3 | 317.3 | 321.6 | 322.2 | 324.7 | 326.7 |
| 42° | 304.6 | 305.6 | 308.5 | 308.9 | 310.8 | 313.0 | 313.4 | 318.1 | 318.9 | 322.4 | 324.9 |
| 42.5° | 303.8 | 304.6 | 307.3 | 307.5 | 309.5 | 311.8 | 312.2 | 316.9 | 317.7 | 321.6 | 324.1 |
| 45° | 296.0 | 296.2 | 299.3 | 299.7 | 301.8 | 303.4 | 304.0 | 308.3 | 309.7 | 314.8 | 317.9 |
| 47.5° | 282.9 | 283.3 | 285.8 | 287.2 | 290.3 | 292.6 | 293.4 | 297.3 | 298.5 | 303.8 | 308.1 |
| 50° | 266.8 | 267.4 | 270.0 | 271.5 | 274.7 | 277.6 | 280.1 | 285.0 | 285.8 | 291.5 | 295.6 |
| 52.5° | 249.6 | 250.4 | 252.4 | 253.9 | 257.4 | 260.6 | 263.5 | 269.4 | 271.9 | 277.8 | 281.1 |
| 55° | 231.6 | 232.4 | 233.8 | 235.1 | 238.5 | 241.8 | 245.3 | 251.4 | 254.5 | 262.1 | 265.5 |
| 57.5° | 212.8 | 212.6 | 216.0 | 216.0 | 219.1 | 222.2 | 225.7 | 231.6 | 234.7 | 243.0 | 248.2 |
| 60° | 192.9 | 193.5 | 195.4 | 195.6 | 199.1 | 202.5 | 206.0 | 211.1 | 213.8 | 221.8 | 227.7 |
| 62.5° | 172.5 | 173.1 | 172.7 | 174.9 | 178.2 | 181.7 | 185.6 | 190.5 | 192.7 | 200.3 | 206.0 |
| 65° | 152.2 | 152.8 | 153.2 | 154.1 | 157.5 | 160.8 | 164.5 | 169.0 | 172.3 | 178.6 | 183.7 |
| 67.5° | 132.2 | 132.6 | 131.8 | 134.0 | 136.9 | 140.1 | 143.6 | 147.7 | 150.4 | 156.5 | 161.0 |
| 70° | 112.9 | 113.3 | 113.5 | 114.4 | 116.8 | 119.7 | 123.0 | 125.6 | 129.1 | 135.4 | 138.3 |
| 72.5° | 94.5 | 94.9 | 94.1 | 95.5 | 97.8 | 99.4 | 103.1 | 105.2 | 107.8 | 113.5 | 116.0 |
| 75° | 77.1 | 77.3 | 77.5 | 77.9 | 80.4 | 80.8 | 83.9 | 85.5 | 87.6 | 92.1 | 94.3 |
| 77.5° | 60.6 | 60.6 | 60.8 | 61.2 | 62.4 | 63.4 | 65.7 | 66.7 | 68.7 | 72.0 | 72.6 |
| 80° | 45.4 | 45.6 | 45.6 | 45.8 | 46.9 | 47.1 | 49.1 | 49.5 | 50.9 | 52.4 | 54.2 |
| 82.5° | 31.9 | 32.1 | 32.1 | 32.1 | 32.9 | 32.9 | 34.0 | 34.0 | 34.8 | 35.6 | 35.8 |
| 85° | 20.7 | 20.7 | 20.9 | 20.7 | 20.9 | 20.9 | 21.7 | 21.3 | 21.5 | 22.1 | 21.5 |
| 87.5° | 12.7 | 12.9 | 12.9 | 12.7 | 12.9 | 12.5 | 12.9 | 12.3 | 12.3 | 12.3 | 11.3 |
| 90° | 9.4 | 9.6 | 9.4 | 9.6 | 9.6 | 9.4 | 9.2 | 8.8 | 8.6 | 8.2 | 7.8 |
| 92.5° | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 | 8.4 | 8.4 | 8.2 | 7.8 | 7.6 | 7.0 |
| 95° | 7.6 | 7.6 | 7.6 | 7.6 | 7.8 | 7.6 | 7.6 | 7.4 | 7.2 | 7.0 | 6.5 |
| 97.5° | 7.0 | 7.0 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 | 6.8 | 6.7 | 6.5 | 6.1 |
| 100° | 6.5 | 6.5 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 |
| 102.5° | 5.7 | 5.7 | 5.7 | 5.5 | 5.5 | 5.5 | 5.5 | 5.3 | 5.1 | 5.1 | 4.7 |
| 105° | 4.9 | 5.1 | 4.9 | 4.9 | 4.7 | 4.7 | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 |
| 107.5° | 4.3 | 4.3 | 4.1 | 4.1 | 4.1 | 3.9 | 3.7 | 3.5 | 3.5 | 3.3 | 3.1 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 3.5 | 3.5 | 3.5 | 3.3 | 3.3 | 3.1 | 2.9 | 2.7 | 2.5 | 2.5 | 2.3 |
| 112.5° | 2.7 | 2.7 | 2.7 | 2.5 | 2.5 | 2.3 | 2.2 | 2.0 | 1.8 | 1.8 | 1.8 |
| 115° | 1.8 | 1.8 | 1.8 | 1.8 | 1.6 | 1.6 | 1.6 | 1.4 | 1.2 | 1.2 | 1.4 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 55° | 58° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 |
| 2.5° | 284.6 | 287.0 | 283.8 | 285.2 | 285.4 | 283.6 | 284.0 | 284.0 | 284.2 | 286.0 | 283.6 |
| 5° | 286.0 | 288.1 | 285.0 | 286.2 | 286.2 | 284.0 | 284.2 | 284.0 | 283.8 | 285.6 | 282.7 |
| 7.5° | 289.9 | 292.1 | 288.9 | 289.7 | 289.3 | 287.2 | 287.6 | 287.2 | 286.8 | 288.1 | 285.0 |
| 10° | 294.2 | 296.6 | 293.4 | 294.0 | 293.6 | 291.1 | 291.5 | 291.1 | 290.5 | 291.5 | 288.1 |
| 12.5° | 297.3 | 299.7 | 296.8 | 297.3 | 296.8 | 294.2 | 294.4 | 294.2 | 293.2 | 294.0 | 290.5 |
| 15° | 299.9 | 302.0 | 299.5 | 299.7 | 298.9 | 296.6 | 296.8 | 296.8 | 295.6 | 296.0 | 292.6 |
| 17.5° | 303.2 | 305.6 | 303.0 | 302.8 | 302.6 | 300.1 | 300.3 | 300.3 | 298.7 | 299.5 | 296.0 |
| 20° | 307.7 | 310.3 | 307.7 | 307.3 | 307.1 | 304.8 | 304.6 | 305.0 | 303.4 | 304.0 | 300.5 |
| 22.5° | 311.4 | 313.6 | 311.8 | 311.0 | 310.4 | 308.3 | 308.3 | 308.7 | 307.1 | 307.3 | 304.0 |
| 25° | 314.4 | 316.7 | 314.8 | 313.8 | 313.4 | 311.2 | 311.4 | 312.0 | 309.9 | 310.1 | 307.1 |
| 27.5° | 317.9 | 319.8 | 318.5 | 317.3 | 316.5 | 314.6 | 314.6 | 315.3 | 313.4 | 313.2 | 310.3 |
| 30° | 322.6 | 324.3 | 323.4 | 321.4 | 320.6 | 318.7 | 319.1 | 319.8 | 317.5 | 317.1 | 314.4 |
| 32.5° | 326.1 | 328.1 | 327.1 | 325.3 | 324.3 | 322.4 | 322.2 | 322.8 | 320.0 | 319.6 | 317.1 |
| 35° | 327.9 | 330.2 | 329.6 | 327.5 | 326.7 | 324.5 | 323.9 | 324.5 | 321.4 | 320.6 | 318.1 |
| 37.5° | 328.8 | 331.6 | 331.4 | 329.6 | 328.8 | 326.5 | 325.7 | 325.9 | 322.0 | 320.8 | 318.1 |
| 40° | 329.2 | 331.8 | 332.4 | 330.8 | 330.6 | 328.6 | 327.5 | 327.5 | 322.8 | 320.8 | 317.7 |
| 42° | 328.4 | 331.6 | 332.8 | 331.8 | 332.2 | 330.4 | 328.8 | 328.4 | 323.4 | 321.2 | 317.5 |
| 42.5° | 328.1 | 331.0 | 332.6 | 331.8 | 332.4 | 330.8 | 329.0 | 328.6 | 323.6 | 321.0 | 317.3 |
| 45° | 323.4 | 327.3 | 329.6 | 330.2 | 331.0 | 330.0 | 328.3 | 327.7 | 322.0 | 318.7 | 314.8 |
| 47.5° | 314.9 | 319.3 | 322.6 | 324.7 | 326.5 | 326.7 | 325.1 | 324.7 | 318.3 | 314.2 | 309.5 |
| 50° | 303.8 | 308.7 | 313.0 | 316.3 | 319.6 | 321.4 | 320.0 | 319.6 | 312.8 | 308.1 | 302.6 |
| 52.5° | 290.3 | 295.6 | 299.9 | 305.6 | 310.6 | 313.6 | 313.2 | 312.6 | 305.6 | 300.1 | 294.0 |
| 55° | 274.3 | 279.7 | 285.4 | 291.9 | 298.3 | 303.0 | 303.2 | 303.0 | 295.6 | 289.5 | 283.3 |
| 57.5° | 256.7 | 261.5 | 267.8 | 275.0 | 283.6 | 289.5 | 290.3 | 290.1 | 282.9 | 276.2 | 268.6 |
| 60° | 237.3 | 241.6 | 247.9 | 255.7 | 265.1 | 272.1 | 273.9 | 274.3 | 266.8 | 260.2 | 253.1 |
| 62.5° | 216.2 | 220.7 | 226.5 | 234.2 | 243.9 | 252.0 | 254.3 | 255.3 | 247.9 | 241.2 | 233.6 |
| 65° | 193.5 | 198.0 | 204.2 | 211.3 | 221.1 | 229.5 | 232.0 | 233.0 | 226.1 | 220.1 | 213.4 |
| 67.5° | 169.8 | 174.1 | 180.2 | 187.0 | 196.4 | 204.6 | 207.4 | 208.7 | 202.5 | 196.6 | 190.5 |
| 70° | 146.1 | 149.6 | 155.3 | 161.8 | 170.6 | 177.0 | 180.9 | 182.3 | 176.8 | 171.6 | 166.3 |
| 72.5° | 122.7 | 125.4 | 130.7 | 136.2 | 143.8 | 149.6 | 153.4 | 154.7 | 149.8 | 145.5 | 141.4 |
| 75° | 99.4 | 101.9 | 106.2 | 110.9 | 117.2 | 123.4 | 125.4 | 126.8 | 122.5 | 118.9 | 115.8 |
| 77.5° | 77.3 | 78.8 | 82.6 | 86.3 | 91.2 | 94.7 | 97.4 | 98.8 | 95.3 | 92.5 | 90.2 |
| 80° | 56.5 | 57.3 | 60.3 | 62.6 | 66.3 | 68.5 | 70.6 | 71.4 | 70.0 | 67.1 | 65.7 |
| 82.5° | 38.0 | 38.1 | 40.1 | 41.3 | 43.2 | 45.6 | 46.0 | 46.4 | 45.2 | 43.4 | 43.0 |
| 85° | 22.5 | 22.1 | 23.5 | 23.5 | 23.9 | 25.2 | 25.0 | 25.0 | 24.3 | 23.9 | 23.7 |
| 87.5° | 11.5 | 11.0 | 11.3 | 11.0 | 10.6 | 10.6 | 10.0 | 9.8 | 9.4 | 9.4 | 9.6 |
| 90° | 7.2 | 6.8 | 6.8 | 6.3 | 5.5 | 4.9 | 4.3 | 3.7 | 3.3 | 3.3 | 3.5 |
| 92.5° | 6.7 | 6.3 | 6.3 | 5.7 | 5.1 | 4.5 | 3.9 | 3.3 | 2.9 | 2.9 | 3.1 |
| 95° | 6.3 | 5.9 | 5.9 | 5.3 | 4.7 | 4.1 | 3.3 | 2.9 | 2.7 | 2.7 | 2.9 |
| 97.5° | 5.7 | 5.5 | 5.3 | 4.7 | 4.1 | 3.5 | 3.1 | 2.7 | 2.7 | 2.5 | 2.7 |
| 100° | 5.1 | 4.7 | 4.7 | 4.1 | 3.5 | 3.1 | 2.9 | 2.5 | 2.5 | 2.3 | 2.5 |
| 102.5° | 4.3 | 4.1 | 3.9 | 3.5 | 3.1 | 2.9 | 2.7 | 2.5 | 2.3 | 2.3 | 2.3 |
| 105° | 3.5 | 3.3 | 3.3 | 2.9 | 2.7 | 2.7 | 2.5 | 2.3 | 2.2 | 2.2 | 2.2 |
| 107.5° | 2.9 | 2.7 | 2.5 | 2.5 | 2.5 | 2.5 | 2.2 | 2.0 | 2.0 | 2.0 | 2.0 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 55° | 58° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 110° | 2.2 | 2.2 | 2.2 | 2.3 | 2.2 | 2.2 | 2.0 | 1.8 | 1.8 | 1.6 | 1.6 |
| 112.5° | 1.8 | 1.8 | 2.0 | 2.0 | 2.0 | 2.0 | 1.8 | 1.6 | 1.6 | 1.4 | 1.4 |
| 115° | 1.4 | 1.4 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.2 | 1.2 | 1.2 | 1.2 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 |
| 2.5° | 285.0 | 282.7 | 282.5 | 281.7 | 283.1 | 280.7 | 281.5 | 279.3 | 279.3 | 279.3 | 279.9 |
| 5° | 283.6 | 281.1 | 280.7 | 279.5 | 280.7 | 278.0 | 278.6 | 276.2 | 275.6 | 275.4 | 275.8 |
| 7.5° | 285.6 | 282.7 | 282.3 | 280.5 | 281.3 | 278.4 | 278.8 | 276.2 | 274.8 | 274.7 | 275.0 |
| 10° | 288.3 | 285.2 | 284.4 | 282.3 | 282.9 | 279.5 | 279.5 | 276.4 | 274.8 | 273.9 | 274.1 |
| 12.5° | 290.3 | 287.2 | 286.0 | 283.1 | 283.5 | 279.9 | 279.3 | 275.6 | 273.5 | 272.3 | 272.1 |
| 15° | 292.3 | 288.5 | 287.4 | 283.8 | 284.0 | 280.1 | 279.0 | 274.7 | 271.7 | 269.8 | 269.4 |
| 17.5° | 295.6 | 291.7 | 290.1 | 286.0 | 285.6 | 281.7 | 279.7 | 274.7 | 270.9 | 268.4 | 267.6 |
| 20° | 299.7 | 295.8 | 294.0 | 289.3 | 288.5 | 283.8 | 281.3 | 275.4 | 270.9 | 267.8 | 266.4 |
| 22.5° | 303.2 | 299.1 | 297.0 | 291.9 | 290.5 | 284.8 | 281.5 | 274.8 | 269.4 | 265.7 | 263.3 |
| 25° | 305.6 | 301.6 | 299.1 | 293.2 | 291.5 | 285.4 | 280.9 | 273.7 | 267.0 | 262.3 | 259.2 |
| 27.5° | 308.7 | 304.6 | 301.6 | 295.4 | 292.8 | 286.0 | 280.5 | 271.9 | 264.5 | 258.6 | 254.7 |
| 30° | 312.6 | 307.9 | 305.2 | 297.5 | 294.4 | 286.6 | 279.9 | 270.7 | 261.9 | 255.5 | 250.4 |
| 32.5° | 314.9 | 310.1 | 306.3 | 298.3 | 294.2 | 285.6 | 277.8 | 267.2 | 257.2 | 249.8 | 244.5 |
| 35° | 315.1 | 310.3 | 305.8 | 297.0 | 292.1 | 282.1 | 273.3 | 261.7 | 251.0 | 242.8 | 236.7 |
| 37.5° | 314.9 | 308.7 | 303.8 | 294.2 | 288.0 | 277.2 | 267.2 | 254.9 | 243.4 | 234.5 | 227.9 |
| 40° | 313.8 | 307.3 | 301.3 | 290.3 | 282.9 | 271.5 | 260.4 | 247.5 | 234.7 | 224.0 | 215.4 |
| 42° | 313.0 | 305.6 | 298.3 | 286.8 | 278.4 | 266.6 | 254.7 | 240.8 | 225.9 | 213.6 | 203.6 |
| 42.5° | 312.2 | 305.0 | 297.1 | 285.8 | 277.4 | 265.1 | 253.1 | 238.7 | 223.4 | 210.7 | 200.1 |
| 45° | 308.5 | 299.9 | 291.3 | 278.8 | 269.0 | 256.1 | 242.4 | 225.6 | 208.3 | 191.9 | 172.9 |
| 47.5° | 302.6 | 292.8 | 282.7 | 269.4 | 258.4 | 244.3 | 228.1 | 208.9 | 184.1 | 151.8 | 129.1 |
| 50° | 294.8 | 284.0 | 272.3 | 258.0 | 246.7 | 230.2 | 212.1 | 179.6 | 140.1 | 121.9 | 109.0 |
| 52.5° | 285.0 | 273.1 | 260.2 | 245.5 | 231.4 | 213.4 | 182.7 | 141.4 | 118.0 | 104.7 | 92.9 |
| 55° | 273.5 | 260.6 | 246.5 | 230.6 | 214.4 | 187.6 | 147.9 | 120.1 | 102.1 | 91.0 | 79.0 |
| 57.5° | 258.8 | 245.5 | 230.4 | 213.6 | 191.7 | 152.8 | 128.5 | 105.4 | 88.2 | 76.7 | 59.7 |
| 60° | 242.0 | 228.5 | 212.4 | 194.4 | 160.2 | 131.8 | 112.7 | 92.3 | 71.4 | 51.1 | 36.4 |
| 62.5° | 223.0 | 209.5 | 193.3 | 169.0 | 138.9 | 116.0 | 98.2 | 73.6 | 49.7 | 38.1 | 26.6 |
| 65° | 202.7 | 189.2 | 172.5 | 145.0 | 121.9 | 101.3 | 78.4 | 58.3 | 39.7 | 30.1 | 20.0 |
| 67.5° | 180.4 | 167.6 | 151.2 | 126.4 | 106.0 | 86.5 | 65.5 | 48.9 | 33.1 | 25.0 | 17.4 |
| 70° | 157.1 | 145.5 | 130.5 | 109.0 | 90.8 | 73.7 | 55.6 | 41.7 | 28.6 | 21.7 | 15.1 |
| 72.5° | 133.0 | 123.0 | 110.5 | 91.6 | 76.3 | 61.8 | 46.8 | 35.0 | 24.1 | 18.4 | 12.9 |
| 75° | 108.6 | 100.4 | 90.0 | 74.5 | 62.0 | 50.5 | 38.1 | 28.8 | 20.0 | 15.1 | 10.8 |
| 77.5° | 84.7 | 78.1 | 70.2 | 58.1 | 48.3 | 38.9 | 29.9 | 22.9 | 15.8 | 11.9 | 8.6 |
| 80° | 61.8 | 56.9 | 51.3 | 42.6 | 35.4 | 29.1 | 22.3 | 16.8 | 11.9 | 9.2 | 6.7 |
| 82.5° | 40.5 | 37.4 | 33.6 | 28.2 | 23.7 | 19.8 | 15.1 | 11.9 | 8.4 | 6.5 | 4.9 |
| 85° | 22.5 | 20.9 | 19.0 | 16.0 | 13.7 | 11.7 | 9.2 | 7.4 | 5.5 | 4.3 | 3.3 |
| 87.5° | 9.4 | 8.8 | 8.2 | 7.4 | 6.5 | 5.9 | 4.7 | 3.9 | 3.1 | 2.5 | 2.0 |
| 90° | 3.7 | 3.9 | 3.7 | 3.5 | 3.3 | 3.1 | 2.7 | 2.5 | 2.2 | 1.8 | 1.4 |
| 92.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.1 | 2.9 | 2.5 | 2.3 | 2.0 | 1.6 | 1.2 |
| 95° | 3.1 | 3.1 | 3.1 | 3.1 | 2.9 | 2.7 | 2.5 | 2.2 | 1.8 | 1.6 | 1.2 |
| 97.5° | 2.7 | 2.9 | 2.9 | 2.9 | 2.7 | 2.5 | 2.2 | 1.8 | 1.4 | 1.0 | 0.8 |
| 100° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.2 | 2.0 | 1.6 | 1.4 | 1.0 | 0.6 |
| 102.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.0 | 1.6 | 1.4 | 1.0 | 0.6 | 0.6 |
| 105° | 2.0 | 2.0 | 2.0 | 2.0 | 1.8 | 1.8 | 1.4 | 1.2 | 0.8 | 0.6 | 0.4 |
| 107.5° | 1.8 | 1.8 | 1.6 | 1.8 | 1.6 | 1.4 | 1.2 | 0.8 | 0.6 | 0.4 | 0.4 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 110° | 1.6 | 1.6 | 1.4 | 1.4 | 1.4 | 1.2 | 1.0 | 0.8 | 0.4 | 0.4 | 0.4 |
| 112.5° | 1.4 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 0.8 | 0.6 | 0.4 | 0.4 | 0.4 |
| 115° | 1.2 | 1.0 | 0.8 | 0.8 | 0.8 | 0.6 | 0.6 | 0.4 | 0.4 | 0.2 | 0.2 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|
| 0° | 283.5 | 283.5 | 283.5 | 283.5 | 283.5 |
| 2.5° | 278.8 | 279.5 | 279.7 | 279.7 | 281.3 |
| 5° | 274.5 | 275.6 | 275.2 | 275.4 | 277.0 |
| 7.5° | 273.1 | 274.3 | 273.5 | 273.9 | 275.4 |
| 10° | 272.1 | 272.9 | 272.1 | 272.1 | 273.7 |
| 12.5° | 270.0 | 270.5 | 269.0 | 269.0 | 270.9 |
| 15° | 266.8 | 267.2 | 265.5 | 265.5 | 267.2 |
| 17.5° | 264.7 | 264.9 | 262.5 | 262.5 | 264.3 |
| 20° | 262.7 | 262.7 | 260.2 | 260.0 | 261.5 |
| 22.5° | 259.4 | 259.0 | 255.9 | 255.3 | 256.8 |
| 25° | 254.5 | 253.5 | 250.2 | 249.4 | 251.2 |
| 27.5° | 249.4 | 248.0 | 244.1 | 243.4 | 244.9 |
| 30° | 244.5 | 242.6 | 238.3 | 237.5 | 238.9 |
| 32.5° | 238.1 | 235.5 | 230.6 | 229.9 | 231.0 |
| 35° | 229.9 | 226.7 | 221.6 | 220.5 | 221.6 |
| 37.5° | 219.5 | 214.4 | 208.3 | 206.6 | 207.6 |
| 40° | 205.6 | 199.5 | 191.9 | 189.4 | 190.3 |
| 42° | 191.7 | 182.7 | 171.8 | 166.7 | 167.5 |
| 42.5° | 187.2 | 176.3 | 162.8 | 156.5 | 156.9 |
| 45° | 143.6 | 125.6 | 117.2 | 112.9 | 113.3 |
| 47.5° | 111.7 | 102.3 | 96.6 | 93.1 | 93.7 |
| 50° | 93.9 | 85.1 | 80.0 | 77.1 | 77.5 |
| 52.5° | 79.4 | 71.2 | 66.3 | 63.2 | 62.0 |
| 55° | 65.3 | 54.8 | 47.3 | 41.1 | 37.4 |
| 57.5° | 36.2 | 25.6 | 20.9 | 18.2 | 16.8 |
| 60° | 21.9 | 14.9 | 10.8 | 8.2 | 7.0 |
| 62.5° | 14.3 | 8.2 | 4.3 | 1.6 | 0.4 |
| 65° | 10.2 | 5.3 | 2.5 | 0.8 | 0.0 |
| 67.5° | 9.0 | 4.7 | 2.3 | 0.6 | 0.0 |
| 70° | 8.0 | 4.3 | 2.0 | 0.6 | 0.0 |
| 72.5° | 6.8 | 3.7 | 1.8 | 0.6 | 0.0 |
| 75° | 6.1 | 3.1 | 1.6 | 0.6 | 0.2 |
| 77.5° | 4.9 | 2.7 | 1.4 | 0.4 | 0.2 |
| 80° | 3.9 | 2.2 | 1.2 | 0.4 | 0.2 |
| 82.5° | 2.9 | 1.8 | 1.0 | 0.4 | 0.2 |
| 85° | 2.2 | 1.4 | 0.8 | 0.4 | 0.2 |
| 87.5° | 1.4 | 1.0 | 0.6 | 0.2 | 0.2 |
| 90° | 1.2 | 0.8 | 0.4 | 0.2 | 0.2 |
| 92.5° | 1.0 | 0.8 | 0.4 | 0.2 | 0.2 |
| 95° | 0.8 | 0.6 | 0.2 | 0.2 | 0.0 |
| 97.5° | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 |
| 100° | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| 102.5° | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| 105° | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| 107.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |



TEST NUMBER: P394861

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|------|
| 110° | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 |
| 112.5° | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 |
| 115° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)