

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: P394919

Luminaire Tested: **303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-2)
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-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 4 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

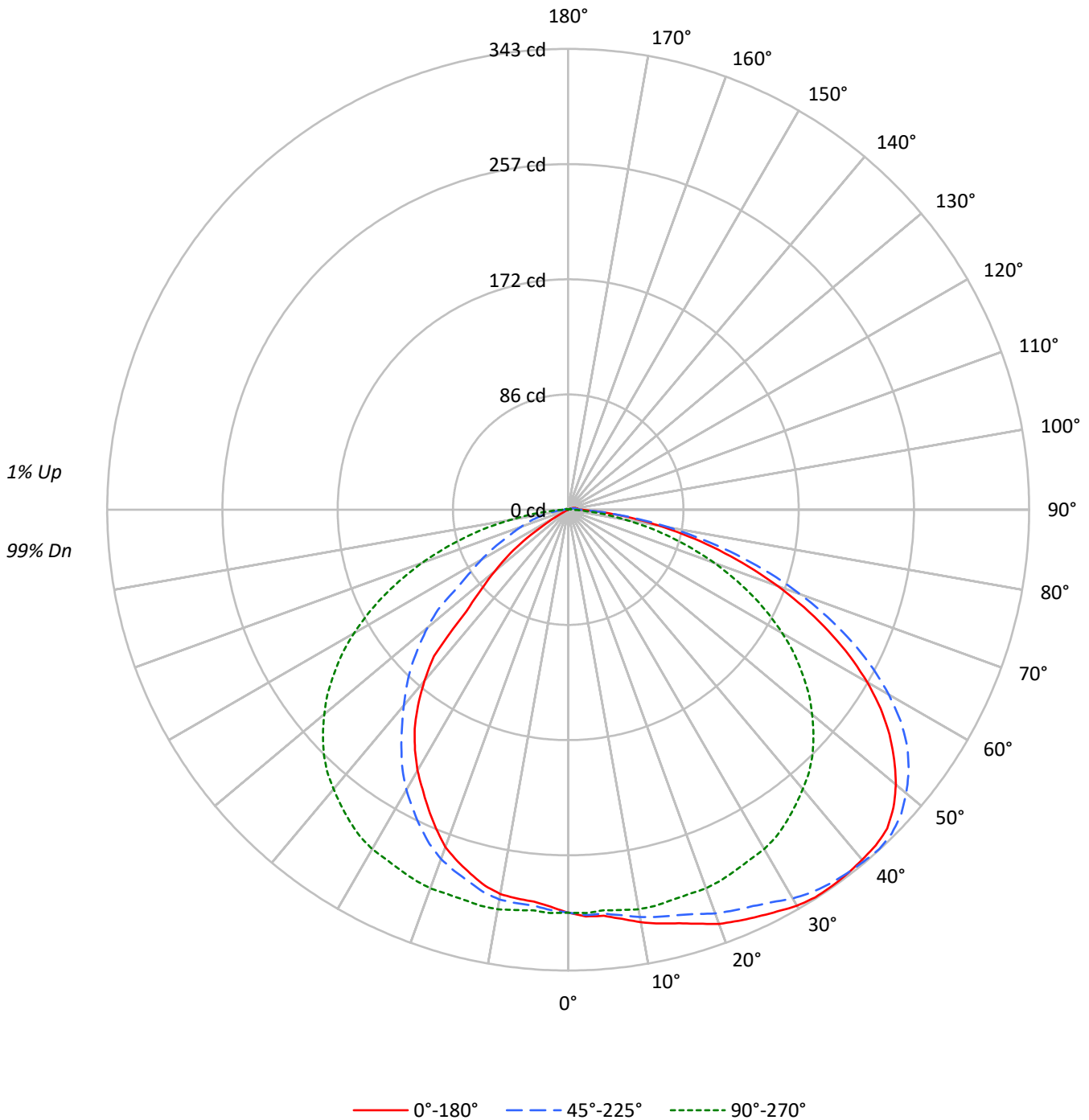
Lumens per Lamp: N/A
Luminaire Lumens: 1026.9 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

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: P394919
CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

Luminous Intensity Polar Plot





TEST NUMBER: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-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 | 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 | 86 | 84 | 82 |
| 2 | 98 | 89 | 82 | 76 | 95 | 87 | 81 | 75 | 84 | 78 | 74 | | 80 | 76 | 72 | | 77 | 73 | 70 | 68 |
| 3 | 89 | 78 | 70 | 63 | 86 | 76 | 69 | 62 | 73 | 67 | 61 | | 70 | 65 | 60 | | 68 | 63 | 59 | 56 |
| 4 | 81 | 69 | 60 | 53 | 79 | 67 | 59 | 52 | 65 | 57 | 52 | | 62 | 56 | 51 | | 60 | 55 | 50 | 48 |
| 5 | 74 | 61 | 52 | 45 | 72 | 60 | 51 | 45 | 58 | 50 | 44 | | 56 | 49 | 44 | | 54 | 48 | 43 | 41 |
| 6 | 69 | 55 | 46 | 39 | 67 | 54 | 45 | 39 | 52 | 44 | 38 | | 50 | 43 | 38 | | 48 | 42 | 38 | 35 |
| 7 | 63 | 50 | 41 | 34 | 62 | 49 | 40 | 34 | 47 | 39 | 34 | | 46 | 39 | 33 | | 44 | 38 | 33 | 31 |
| 8 | 59 | 45 | 36 | 30 | 57 | 44 | 36 | 30 | 43 | 35 | 30 | | 42 | 35 | 30 | | 40 | 34 | 29 | 28 |
| 9 | 55 | 41 | 33 | 27 | 53 | 41 | 33 | 27 | 39 | 32 | 27 | | 38 | 31 | 27 | | 37 | 31 | 26 | 25 |
| 10 | 51 | 38 | 30 | 24 | 50 | 37 | 30 | 24 | 36 | 29 | 24 | | 35 | 29 | 24 | | 34 | 28 | 24 | 22 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 20660 | 20660 | 20660 |
| 5° | 20937 | 20649 | 20206 |
| 10° | 21719 | 21027 | 20236 |
| 15° | 22585 | 21280 | 19878 |
| 20° | 23845 | 21775 | 19419 |
| 25° | 25114 | 22208 | 18484 |
| 30° | 26708 | 22852 | 17591 |
| 35° | 28295 | 23389 | 16467 |
| 40° | 29990 | 23882 | 14660 |
| 45° | 31939 | 24407 | 10180 |
| 50° | 33165 | 24608 | 7439 |
| 55° | 33897 | 24598 | 4796 |
| 60° | 33996 | 24246 | 1270 |
| 65° | 33145 | 23314 | 31 |
| 70° | 31311 | 21732 | 38 |
| 75° | 28289 | 19076 | 49 |
| 80° | 24059 | 15094 | 70 |
| 85° | 18422 | 9268 | 248 |



TEST NUMBER: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 28.6 | 2.8 |
| 10°-20° | 84.8 | 8.3 |
| 20°-30° | 135.3 | 13.2 |
| 30°-40° | 173.7 | 16.9 |
| 40°-50° | 189.8 | 18.5 |
| 50°-60° | 175.3 | 17.1 |
| 60°-70° | 133.9 | 13.0 |
| 70°-80° | 77.0 | 7.5 |
| 80°-90° | 21.1 | 2.1 |
| 90°-100° | 4.1 | 0.4 |
| 100°-110° | 2.5 | 0.2 |
| 110°-120° | 0.8 | 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° | 248.7 | 24.2 |
| 0°-40° | 422.4 | 41.1 |
| 0°-60° | 787.5 | 76.7 |
| 0°-90° | 1019.6 | 99.3 |
| 90°-120° | 7.4 | 0.7 |
| 90°-150° | 7.4 | 0.7 |
| 90°-180° | 7.0 | 0.7 |
| 0°-180° | 1026.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0° | 300 | 300 | 300 | 300 | 300 | |
| 5° | 303 | 302 | 299 | 296 | 293 | 29 |
| 15° | 319 | 312 | 300 | 286 | 280 | 91 |
| 25° | 334 | 326 | 296 | 260 | 246 | 155 |
| 35° | 342 | 340 | 283 | 216 | 199 | 215 |
| 45° | 336 | 341 | 257 | 165 | 107 | 258 |
| 55° | 292 | 308 | 213 | 100 | 41 | 260 |
| 65° | 214 | 233 | 151 | 53 | 0 | 211 |
| 75° | 116 | 130 | 79 | 26 | 0 | 123 |
| 85° | 30 | 31 | 15 | 6 | 0 | 33 |
| 90° | 9 | 8 | 3 | 2 | 0 | 6 |
| 95° | 7 | 6 | 2 | 2 | 0 | 6 |
| 105° | 5 | 4 | 2 | 1 | 0 | 5 |
| 115° | 2 | 1 | 1 | 0 | 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: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 37° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 |
| 2.5° | 303.0 | 299.7 | 298.1 | 300.1 | 298.5 | 301.8 | 300.7 | 300.1 | 300.1 | 302.2 | 302.0 |
| 5° | 303.4 | 299.9 | 297.9 | 300.1 | 298.9 | 301.8 | 300.7 | 299.9 | 299.7 | 302.0 | 301.8 |
| 7.5° | 307.1 | 303.2 | 301.3 | 303.6 | 302.2 | 305.0 | 303.6 | 302.8 | 302.6 | 305.0 | 304.4 |
| 10° | 311.8 | 307.7 | 305.8 | 308.1 | 306.5 | 309.3 | 307.9 | 306.9 | 306.5 | 308.5 | 307.9 |
| 12.5° | 315.5 | 311.2 | 309.7 | 311.8 | 310.1 | 312.6 | 311.4 | 309.9 | 309.7 | 311.2 | 310.4 |
| 15° | 318.7 | 314.4 | 312.8 | 314.8 | 313.0 | 315.1 | 314.0 | 312.4 | 312.0 | 313.4 | 312.4 |
| 17.5° | 323.0 | 318.7 | 316.9 | 319.3 | 317.5 | 318.7 | 317.5 | 316.1 | 315.9 | 316.9 | 315.5 |
| 20° | 328.1 | 323.8 | 322.2 | 324.5 | 322.4 | 323.9 | 322.4 | 321.0 | 320.4 | 321.0 | 319.8 |
| 22.5° | 331.2 | 327.1 | 326.1 | 328.4 | 326.3 | 327.5 | 326.3 | 324.7 | 324.3 | 324.7 | 322.8 |
| 25° | 334.1 | 329.6 | 328.8 | 331.4 | 329.4 | 330.6 | 329.6 | 328.1 | 327.7 | 327.5 | 325.5 |
| 27.5° | 337.1 | 332.6 | 332.0 | 334.7 | 332.9 | 334.1 | 333.3 | 332.2 | 331.6 | 331.2 | 329.2 |
| 30° | 340.4 | 336.5 | 335.9 | 339.2 | 337.8 | 338.8 | 338.4 | 337.2 | 337.1 | 336.3 | 334.1 |
| 32.5° | 342.1 | 338.6 | 338.6 | 341.9 | 341.4 | 342.5 | 342.3 | 341.4 | 341.0 | 340.2 | 337.6 |
| 35° | 342.1 | 338.8 | 339.2 | 342.9 | 342.3 | 343.7 | 344.3 | 343.5 | 343.5 | 342.3 | 339.8 |
| 37.5° | 341.4 | 338.6 | 339.4 | 343.1 | 342.7 | 344.3 | 345.5 | 344.9 | 345.1 | 343.9 | 341.0 |
| 40° | 340.2 | 337.8 | 339.0 | 342.9 | 342.9 | 344.7 | 346.1 | 346.1 | 346.4 | 344.9 | 341.9 |
| 42.5° | 338.8 | 336.7 | 338.2 | 342.1 | 342.3 | 344.1 | 346.8 | 346.8 | 347.2 | 345.7 | 342.7 |
| 45° | 335.7 | 333.7 | 335.9 | 339.4 | 339.4 | 341.0 | 344.3 | 344.9 | 345.5 | 343.9 | 340.6 |
| 47.5° | 328.3 | 326.7 | 329.2 | 332.9 | 333.9 | 335.5 | 339.4 | 340.0 | 341.0 | 339.2 | 335.9 |
| 50° | 318.3 | 316.7 | 319.3 | 323.4 | 324.9 | 327.7 | 332.2 | 333.1 | 333.9 | 332.0 | 328.4 |
| 52.5° | 305.8 | 305.0 | 307.3 | 311.6 | 314.2 | 316.9 | 321.8 | 323.8 | 325.1 | 323.6 | 319.4 |
| 55° | 291.9 | 290.9 | 293.6 | 297.3 | 300.5 | 303.2 | 309.1 | 311.0 | 312.6 | 311.6 | 308.1 |
| 57.5° | 275.8 | 275.0 | 277.8 | 281.1 | 284.4 | 287.0 | 293.4 | 295.6 | 297.1 | 296.4 | 293.4 |
| 60° | 257.0 | 256.5 | 259.2 | 263.3 | 266.2 | 268.6 | 275.0 | 277.2 | 279.2 | 278.4 | 275.6 |
| 62.5° | 236.3 | 235.9 | 238.7 | 241.8 | 245.5 | 247.7 | 254.1 | 256.5 | 258.4 | 257.0 | 255.5 |
| 65° | 213.8 | 213.4 | 216.2 | 220.1 | 222.8 | 224.8 | 231.2 | 234.7 | 235.3 | 235.3 | 233.2 |
| 67.5° | 189.9 | 189.8 | 192.3 | 195.8 | 198.6 | 200.3 | 206.2 | 209.7 | 210.5 | 210.7 | 208.9 |
| 70° | 165.7 | 165.3 | 167.8 | 171.4 | 172.7 | 174.9 | 180.2 | 183.5 | 184.1 | 183.7 | 183.5 |
| 72.5° | 140.7 | 140.5 | 142.6 | 145.2 | 147.5 | 148.9 | 153.6 | 156.3 | 156.7 | 156.9 | 157.3 |
| 75° | 115.8 | 116.8 | 117.4 | 120.9 | 121.9 | 122.7 | 126.8 | 128.9 | 129.1 | 129.3 | 129.7 |
| 77.5° | 91.7 | 91.6 | 93.1 | 96.2 | 96.6 | 97.2 | 100.4 | 101.9 | 102.1 | 102.3 | 102.5 |
| 80° | 68.9 | 69.8 | 69.6 | 71.6 | 71.8 | 72.6 | 74.9 | 75.9 | 75.9 | 76.7 | 76.5 |
| 82.5° | 47.7 | 48.7 | 48.3 | 49.9 | 49.9 | 50.1 | 51.6 | 52.0 | 51.8 | 52.4 | 52.4 |
| 85° | 29.7 | 30.3 | 29.9 | 30.9 | 30.5 | 30.7 | 31.5 | 31.5 | 31.1 | 31.5 | 31.1 |
| 87.5° | 16.2 | 16.4 | 16.0 | 17.0 | 16.8 | 16.2 | 16.4 | 16.0 | 15.6 | 15.6 | 15.3 |
| 90° | 8.8 | 9.0 | 9.2 | 9.2 | 9.0 | 8.8 | 8.8 | 8.4 | 8.2 | 8.2 | 7.8 |
| 92.5° | 7.8 | 7.8 | 8.0 | 8.0 | 8.0 | 7.8 | 7.8 | 7.6 | 7.4 | 7.2 | 7.0 |
| 95° | 7.0 | 7.2 | 7.2 | 7.2 | 7.2 | 7.0 | 7.0 | 6.8 | 6.8 | 6.7 | 6.5 |
| 97.5° | 6.5 | 6.7 | 6.7 | 6.7 | 6.7 | 6.5 | 6.5 | 6.3 | 6.3 | 6.1 | 5.9 |
| 100° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 5.9 | 5.9 | 5.7 | 5.7 | 5.5 | 5.3 |
| 102.5° | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.3 | 5.3 | 5.1 | 4.9 | 4.9 | 4.5 |
| 105° | 4.9 | 4.9 | 4.9 | 4.9 | 4.7 | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.7 |
| 107.5° | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 | 3.9 | 3.7 | 3.5 | 3.3 | 3.1 | 2.9 |
| 110° | 3.5 | 3.7 | 3.7 | 3.5 | 3.3 | 3.1 | 2.9 | 2.5 | 2.5 | 2.3 | 2.2 |



TEST NUMBER: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 37° | 40° | 45° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 2.9 | 2.9 | 2.9 | 2.7 | 2.5 | 2.3 | 2.2 | 1.8 | 1.8 | 1.6 | 1.4 |
| 115° | 2.0 | 2.2 | 2.2 | 2.0 | 1.8 | 1.6 | 1.4 | 1.2 | 1.2 | 1.0 | 0.8 |
| 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: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 |
| 2.5° | 300.3 | 301.3 | 301.3 | 300.7 | 300.5 | 300.7 | 300.3 | 301.3 | 300.5 | 298.9 | 299.9 |
| 5° | 299.9 | 301.1 | 300.7 | 300.3 | 299.5 | 299.9 | 299.5 | 300.3 | 299.3 | 297.7 | 298.5 |
| 7.5° | 302.4 | 303.8 | 302.8 | 302.6 | 301.5 | 301.8 | 301.3 | 301.6 | 300.5 | 298.9 | 299.5 |
| 10° | 305.8 | 307.5 | 306.0 | 305.6 | 303.6 | 304.2 | 303.2 | 303.2 | 302.0 | 300.3 | 300.5 |
| 12.5° | 308.1 | 309.9 | 307.7 | 307.1 | 304.8 | 305.2 | 303.6 | 303.2 | 301.8 | 299.7 | 299.7 |
| 15° | 310.1 | 311.6 | 309.1 | 308.1 | 305.2 | 305.4 | 303.2 | 302.2 | 300.5 | 297.9 | 297.3 |
| 17.5° | 313.0 | 314.6 | 311.4 | 310.3 | 306.3 | 306.1 | 303.6 | 301.8 | 299.9 | 297.0 | 295.8 |
| 20° | 316.9 | 318.5 | 314.8 | 313.2 | 308.5 | 308.3 | 305.0 | 302.4 | 299.9 | 296.4 | 294.4 |
| 22.5° | 319.6 | 321.2 | 316.9 | 315.1 | 309.7 | 308.9 | 305.2 | 301.6 | 298.3 | 294.4 | 291.3 |
| 25° | 322.4 | 323.8 | 318.7 | 316.5 | 310.1 | 308.9 | 304.4 | 299.9 | 295.8 | 291.1 | 287.4 |
| 27.5° | 325.9 | 326.9 | 321.0 | 318.5 | 311.0 | 309.5 | 303.8 | 298.1 | 293.4 | 287.6 | 282.9 |
| 30° | 330.4 | 331.4 | 324.7 | 321.6 | 313.0 | 310.8 | 304.0 | 297.5 | 291.7 | 284.8 | 278.8 |
| 32.5° | 333.9 | 334.3 | 327.3 | 323.6 | 313.8 | 310.8 | 303.2 | 295.0 | 288.3 | 280.5 | 273.1 |
| 35° | 336.1 | 335.7 | 327.9 | 323.6 | 313.0 | 309.3 | 300.7 | 291.1 | 283.3 | 274.7 | 265.8 |
| 37.5° | 337.1 | 336.5 | 328.1 | 323.2 | 311.4 | 306.7 | 297.0 | 286.4 | 277.6 | 267.6 | 257.2 |
| 40° | 338.2 | 336.9 | 327.7 | 322.2 | 309.5 | 303.8 | 293.2 | 281.5 | 271.5 | 260.8 | 249.0 |
| 42.5° | 338.6 | 336.9 | 326.9 | 320.8 | 306.9 | 300.7 | 288.9 | 276.0 | 265.3 | 253.5 | 240.8 |
| 45° | 336.7 | 333.9 | 323.6 | 316.7 | 302.2 | 294.8 | 282.5 | 268.6 | 257.2 | 244.9 | 231.2 |
| 47.5° | 331.4 | 327.9 | 317.5 | 309.9 | 294.8 | 287.0 | 274.1 | 259.2 | 247.5 | 234.7 | 220.5 |
| 50° | 324.3 | 320.0 | 309.5 | 301.5 | 285.8 | 277.4 | 264.1 | 249.0 | 236.9 | 224.0 | 209.3 |
| 52.5° | 315.3 | 310.6 | 299.5 | 291.1 | 275.2 | 266.4 | 252.9 | 237.7 | 225.9 | 212.4 | 197.6 |
| 55° | 303.6 | 298.5 | 287.4 | 278.6 | 262.7 | 253.7 | 240.4 | 224.8 | 212.6 | 199.7 | 185.1 |
| 57.5° | 290.1 | 283.6 | 272.7 | 263.3 | 247.9 | 238.9 | 225.7 | 210.7 | 199.3 | 186.2 | 171.8 |
| 60° | 272.9 | 266.4 | 255.3 | 246.1 | 230.8 | 222.0 | 209.5 | 195.6 | 184.1 | 171.6 | 157.9 |
| 62.5° | 252.9 | 246.9 | 236.1 | 225.7 | 212.4 | 203.4 | 191.7 | 178.8 | 168.0 | 156.1 | 143.4 |
| 65° | 231.0 | 225.0 | 215.6 | 205.6 | 192.5 | 183.9 | 173.1 | 161.0 | 151.2 | 140.1 | 128.3 |
| 67.5° | 207.0 | 201.3 | 192.7 | 183.3 | 171.2 | 164.3 | 153.6 | 142.4 | 133.4 | 123.6 | 113.1 |
| 70° | 181.5 | 176.1 | 168.8 | 159.6 | 149.6 | 141.8 | 133.4 | 123.4 | 115.8 | 107.2 | 97.6 |
| 72.5° | 154.9 | 150.0 | 143.6 | 135.8 | 126.2 | 120.9 | 112.7 | 104.1 | 97.0 | 89.8 | 82.0 |
| 75° | 127.7 | 123.4 | 118.2 | 111.5 | 103.3 | 99.0 | 91.9 | 84.7 | 78.8 | 73.0 | 66.3 |
| 77.5° | 100.9 | 97.4 | 93.1 | 88.8 | 81.0 | 77.3 | 71.8 | 65.9 | 61.4 | 56.5 | 51.4 |
| 80° | 74.7 | 72.0 | 68.7 | 64.8 | 59.7 | 56.5 | 52.2 | 47.7 | 43.8 | 40.9 | 37.8 |
| 82.5° | 50.5 | 48.5 | 46.2 | 43.4 | 39.9 | 37.4 | 34.4 | 31.1 | 28.6 | 26.8 | 24.6 |
| 85° | 29.9 | 28.6 | 27.0 | 25.0 | 22.7 | 21.3 | 19.4 | 17.2 | 15.3 | 14.5 | 13.7 |
| 87.5° | 15.1 | 13.7 | 12.7 | 12.1 | 10.2 | 9.4 | 8.2 | 7.0 | 6.5 | 5.9 | 5.9 |
| 90° | 7.4 | 6.8 | 6.3 | 5.7 | 5.1 | 4.5 | 3.7 | 3.1 | 2.7 | 2.7 | 2.9 |
| 92.5° | 6.7 | 6.3 | 5.7 | 5.3 | 4.7 | 3.9 | 3.3 | 2.5 | 2.5 | 2.5 | 2.5 |
| 95° | 6.1 | 5.7 | 5.3 | 4.7 | 4.1 | 3.5 | 2.7 | 2.3 | 2.3 | 2.3 | 2.3 |
| 97.5° | 5.7 | 5.1 | 4.7 | 4.1 | 3.5 | 2.9 | 2.5 | 2.3 | 2.2 | 2.2 | 2.2 |
| 100° | 4.9 | 4.5 | 4.1 | 3.5 | 2.9 | 2.5 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 |
| 102.5° | 4.3 | 3.9 | 3.5 | 2.9 | 2.3 | 2.3 | 2.2 | 2.0 | 2.0 | 2.0 | 2.0 |
| 105° | 3.5 | 3.1 | 2.7 | 2.3 | 2.2 | 2.2 | 2.0 | 2.0 | 1.8 | 1.8 | 1.8 |
| 107.5° | 2.7 | 2.3 | 2.0 | 2.0 | 2.0 | 2.0 | 1.8 | 1.6 | 1.6 | 1.6 | 1.6 |
| 110° | 2.0 | 1.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.6 | 1.4 | 1.4 | 1.4 | 1.4 |



TEST NUMBER: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 112.5° | 1.2 | 1.2 | 1.4 | 1.4 | 1.6 | 1.6 | 1.4 | 1.2 | 1.2 | 1.2 | 1.2 |
| 115° | 1.0 | 1.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | 0.8 |
| 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: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 |
| 2.5° | 298.9 | 302.0 | 299.7 | 298.5 | 299.7 | 298.7 | 298.3 | 300.7 | 297.5 | 296.4 | 295.8 |
| 5° | 297.1 | 300.3 | 297.9 | 296.4 | 297.7 | 296.2 | 295.8 | 298.1 | 295.0 | 293.6 | 292.8 |
| 7.5° | 297.9 | 300.9 | 298.3 | 296.6 | 297.9 | 295.8 | 295.4 | 297.3 | 294.4 | 292.8 | 292.3 |
| 10° | 298.7 | 301.3 | 298.5 | 296.4 | 297.9 | 295.2 | 294.6 | 296.4 | 293.4 | 291.5 | 290.7 |
| 12.5° | 297.5 | 299.5 | 296.6 | 294.0 | 295.6 | 292.1 | 291.5 | 292.6 | 289.7 | 287.6 | 286.8 |
| 15° | 295.0 | 296.4 | 293.0 | 290.3 | 291.9 | 287.6 | 286.4 | 287.4 | 284.4 | 281.9 | 281.1 |
| 17.5° | 292.8 | 293.8 | 289.9 | 286.8 | 288.0 | 283.1 | 281.9 | 282.3 | 279.2 | 276.2 | 275.0 |
| 20° | 291.1 | 291.3 | 287.0 | 283.3 | 284.0 | 278.8 | 276.6 | 276.6 | 273.7 | 270.3 | 268.8 |
| 22.5° | 287.2 | 286.4 | 282.1 | 277.6 | 277.8 | 271.9 | 269.4 | 268.8 | 265.3 | 261.5 | 260.2 |
| 25° | 282.3 | 280.3 | 275.0 | 270.3 | 269.6 | 263.3 | 260.4 | 259.2 | 255.9 | 251.6 | 249.8 |
| 27.5° | 276.8 | 273.7 | 267.8 | 262.3 | 261.0 | 253.9 | 250.6 | 248.8 | 245.3 | 240.6 | 239.0 |
| 30° | 271.7 | 267.2 | 260.6 | 254.3 | 252.0 | 244.5 | 240.8 | 238.5 | 235.1 | 230.2 | 228.5 |
| 32.5° | 264.9 | 259.0 | 251.2 | 244.1 | 241.2 | 233.4 | 229.5 | 226.5 | 223.2 | 218.5 | 217.3 |
| 35° | 256.5 | 249.2 | 240.4 | 232.6 | 228.9 | 220.7 | 216.4 | 213.2 | 210.3 | 205.6 | 204.2 |
| 37.5° | 247.3 | 238.7 | 228.9 | 220.5 | 215.8 | 207.4 | 203.1 | 199.7 | 197.0 | 192.7 | 191.1 |
| 40° | 238.1 | 228.5 | 217.5 | 208.3 | 203.1 | 194.6 | 190.1 | 186.8 | 184.3 | 179.2 | 176.8 |
| 42.5° | 228.9 | 218.1 | 206.2 | 196.4 | 190.7 | 182.3 | 178.0 | 174.5 | 170.4 | 164.7 | 161.4 |
| 45° | 218.3 | 206.4 | 194.1 | 184.1 | 177.8 | 169.6 | 165.1 | 160.0 | 155.5 | 149.1 | 144.0 |
| 47.5° | 207.0 | 194.3 | 181.5 | 171.4 | 164.9 | 156.7 | 150.8 | 144.6 | 139.1 | 130.7 | 113.1 |
| 50° | 195.2 | 182.1 | 169.0 | 159.4 | 152.4 | 143.4 | 136.7 | 128.9 | 113.9 | 101.3 | 93.7 |
| 52.5° | 183.1 | 169.8 | 156.9 | 147.5 | 139.7 | 130.1 | 122.1 | 103.5 | 93.3 | 85.5 | 78.8 |
| 55° | 171.0 | 157.7 | 145.0 | 135.8 | 127.0 | 116.6 | 100.0 | 87.1 | 79.4 | 72.4 | 65.5 |
| 57.5° | 158.3 | 145.2 | 132.8 | 123.4 | 113.7 | 96.8 | 85.5 | 74.7 | 67.7 | 59.7 | 51.8 |
| 60° | 145.0 | 132.6 | 121.3 | 110.9 | 98.4 | 82.6 | 74.7 | 63.6 | 55.9 | 44.4 | 35.2 |
| 62.5° | 131.5 | 119.9 | 108.6 | 98.6 | 83.9 | 71.6 | 63.6 | 52.4 | 41.1 | 32.9 | 24.3 |
| 65° | 117.6 | 107.0 | 96.2 | 83.3 | 72.6 | 61.8 | 53.0 | 41.9 | 32.3 | 24.1 | 17.2 |
| 67.5° | 103.5 | 93.9 | 84.7 | 72.2 | 62.8 | 53.2 | 44.2 | 34.2 | 26.0 | 20.3 | 15.1 |
| 70° | 90.0 | 81.0 | 72.6 | 62.2 | 53.6 | 45.4 | 37.4 | 29.3 | 22.7 | 17.6 | 13.1 |
| 72.5° | 75.1 | 68.1 | 60.6 | 52.0 | 45.0 | 38.1 | 31.5 | 24.8 | 19.2 | 15.1 | 11.2 |
| 75° | 61.6 | 55.4 | 49.7 | 42.4 | 37.0 | 30.9 | 25.6 | 20.3 | 15.8 | 12.3 | 9.2 |
| 77.5° | 47.9 | 43.0 | 38.7 | 33.1 | 28.4 | 24.3 | 20.1 | 15.8 | 12.5 | 9.8 | 7.2 |
| 80° | 34.8 | 31.3 | 28.0 | 23.9 | 20.9 | 17.6 | 14.9 | 11.7 | 9.4 | 7.2 | 5.5 |
| 82.5° | 23.1 | 20.5 | 18.4 | 15.8 | 13.9 | 11.9 | 10.2 | 8.2 | 6.5 | 5.1 | 3.9 |
| 85° | 12.9 | 11.7 | 10.4 | 9.0 | 8.2 | 7.0 | 6.1 | 5.1 | 4.1 | 3.3 | 2.5 |
| 87.5° | 5.9 | 5.5 | 5.1 | 4.7 | 4.1 | 3.7 | 3.3 | 2.9 | 2.5 | 2.2 | 1.8 |
| 90° | 3.1 | 3.1 | 3.1 | 3.1 | 2.9 | 2.7 | 2.5 | 2.3 | 2.2 | 1.8 | 1.4 |
| 92.5° | 2.7 | 2.7 | 2.9 | 2.9 | 2.7 | 2.5 | 2.3 | 2.2 | 2.0 | 1.6 | 1.4 |
| 95° | 2.5 | 2.5 | 2.7 | 2.7 | 2.5 | 2.3 | 2.3 | 2.0 | 1.8 | 1.4 | 1.2 |
| 97.5° | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 1.8 | 1.6 | 1.4 | 1.0 |
| 100° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.0 | 1.8 | 1.6 | 1.4 | 1.2 | 0.8 |
| 102.5° | 2.0 | 1.8 | 2.0 | 2.0 | 2.0 | 1.8 | 1.6 | 1.4 | 1.2 | 1.0 | 0.8 |
| 105° | 1.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.4 | 1.2 | 1.0 | 0.8 | 0.6 |
| 107.5° | 1.6 | 1.4 | 1.4 | 1.4 | 1.2 | 1.2 | 1.2 | 1.0 | 0.8 | 0.6 | 0.6 |
| 110° | 1.4 | 1.2 | 1.2 | 1.0 | 1.0 | 0.8 | 0.8 | 0.6 | 0.6 | 0.6 | 0.4 |



TEST NUMBER: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 1.2 | 1.0 | 1.0 | 0.8 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 |
| 115° | 0.8 | 0.8 | 0.6 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|
| 0° | 299.9 | 299.9 | 299.9 | 299.9 | 299.9 |
| 2.5° | 297.1 | 298.5 | 295.6 | 297.1 | 295.8 |
| 5° | 294.0 | 295.6 | 292.6 | 294.2 | 292.8 |
| 7.5° | 293.2 | 294.6 | 291.7 | 293.2 | 291.9 |
| 10° | 291.7 | 293.2 | 290.3 | 291.5 | 290.5 |
| 12.5° | 287.6 | 289.3 | 286.0 | 287.4 | 286.6 |
| 15° | 281.7 | 283.1 | 279.9 | 280.9 | 280.5 |
| 17.5° | 275.0 | 276.8 | 273.5 | 274.1 | 274.3 |
| 20° | 268.6 | 270.0 | 266.4 | 267.0 | 267.2 |
| 22.5° | 259.2 | 260.6 | 256.8 | 257.2 | 256.8 |
| 25° | 248.4 | 249.4 | 246.1 | 246.1 | 245.9 |
| 27.5° | 237.5 | 238.5 | 234.9 | 234.7 | 234.7 |
| 30° | 226.9 | 227.5 | 224.8 | 224.2 | 224.2 |
| 32.5° | 215.2 | 215.6 | 213.2 | 212.2 | 212.1 |
| 35° | 202.5 | 202.7 | 200.3 | 199.1 | 199.1 |
| 37.5° | 189.2 | 188.0 | 185.1 | 183.7 | 183.7 |
| 40° | 173.5 | 172.0 | 168.6 | 166.7 | 166.3 |
| 42.5° | 156.9 | 154.3 | 150.8 | 148.5 | 147.9 |
| 45° | 137.3 | 121.7 | 112.3 | 108.4 | 107.0 |
| 47.5° | 100.7 | 95.1 | 90.6 | 88.0 | 87.1 |
| 50° | 82.7 | 78.2 | 74.5 | 72.4 | 71.4 |
| 52.5° | 68.9 | 64.2 | 61.0 | 57.9 | 56.7 |
| 55° | 55.4 | 49.9 | 46.4 | 43.0 | 41.3 |
| 57.5° | 37.2 | 29.5 | 25.4 | 22.1 | 22.1 |
| 60° | 23.3 | 17.2 | 12.7 | 9.8 | 9.6 |
| 62.5° | 13.7 | 7.4 | 2.9 | 0.8 | 0.4 |
| 65° | 9.2 | 4.9 | 2.3 | 0.8 | 0.2 |
| 67.5° | 8.2 | 4.5 | 2.2 | 0.8 | 0.2 |
| 70° | 7.2 | 3.9 | 2.0 | 0.6 | 0.2 |
| 72.5° | 6.3 | 3.5 | 1.8 | 0.6 | 0.4 |
| 75° | 5.3 | 2.9 | 1.6 | 0.6 | 0.2 |
| 77.5° | 4.3 | 2.5 | 1.4 | 0.6 | 0.2 |
| 80° | 3.3 | 2.0 | 1.2 | 0.4 | 0.2 |
| 82.5° | 2.5 | 1.6 | 1.0 | 0.4 | 0.4 |
| 85° | 1.8 | 1.2 | 0.8 | 0.4 | 0.4 |
| 87.5° | 1.4 | 1.0 | 0.6 | 0.4 | 0.4 |
| 90° | 1.2 | 0.8 | 0.6 | 0.4 | 0.2 |
| 92.5° | 1.0 | 0.8 | 0.6 | 0.4 | 0.4 |
| 95° | 1.0 | 0.6 | 0.4 | 0.4 | 0.4 |
| 97.5° | 0.8 | 0.6 | 0.4 | 0.4 | 0.4 |
| 100° | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 |
| 102.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 105° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 107.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 110° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |



TEST NUMBER: P394919

CATALOG NUMBER: 303-A1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|------|
| 112.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 115° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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)