

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: METALUX

Report Number: P#

Luminaire Tested: **4SNLED-LD5-37SL-LW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33520)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

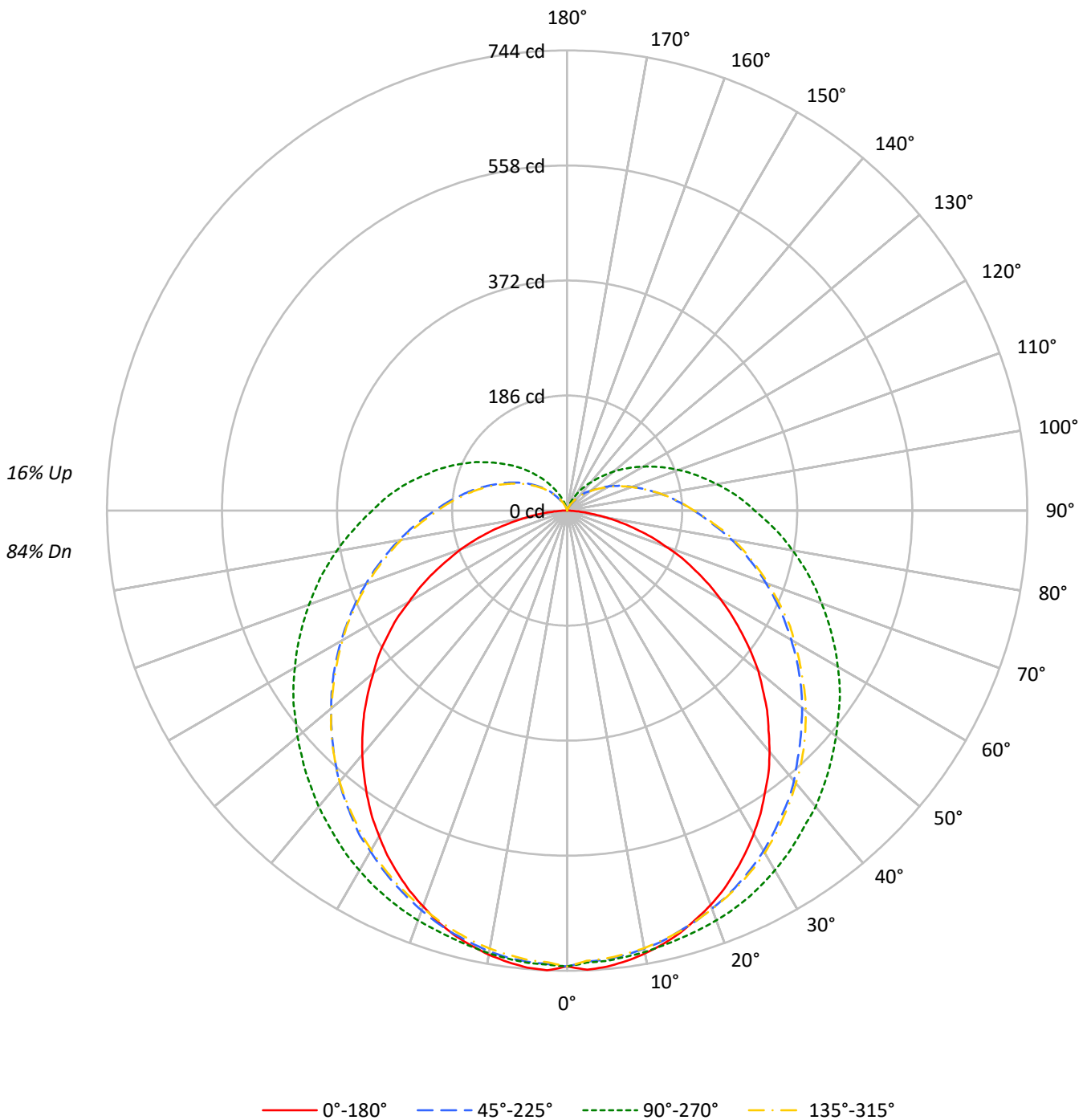
Lumens per Lamp: N/A
Luminaire Lumens: 3202.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 31
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: P#
CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

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 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 115 | 115 | 115 | 115 | 111 | 111 | 111 | 111 | 102 | 102 | 102 | 94 | 94 | 94 | 87 | 87 | 87 | 84 | | | | |
| 1 | 102 | 96 | 91 | 86 | 98 | 92 | 87 | 83 | 85 | 81 | 77 | 78 | 75 | 72 | 72 | 70 | 67 | 64 | | | | |
| 2 | 92 | 82 | 74 | 68 | 87 | 79 | 72 | 66 | 73 | 67 | 62 | 67 | 62 | 58 | 62 | 58 | 54 | 51 | | | | |
| 3 | 83 | 71 | 62 | 55 | 79 | 69 | 60 | 54 | 63 | 56 | 51 | 58 | 52 | 48 | 54 | 49 | 45 | 42 | | | | |
| 4 | 76 | 63 | 53 | 46 | 72 | 60 | 52 | 45 | 56 | 48 | 42 | 51 | 45 | 40 | 47 | 42 | 38 | 35 | | | | |
| 5 | 69 | 56 | 46 | 39 | 66 | 54 | 45 | 38 | 50 | 42 | 36 | 46 | 39 | 34 | 42 | 37 | 33 | 30 | | | | |
| 6 | 64 | 50 | 41 | 34 | 61 | 48 | 39 | 33 | 45 | 37 | 31 | 41 | 35 | 30 | 38 | 33 | 28 | 26 | | | | |
| 7 | 59 | 45 | 36 | 30 | 56 | 43 | 35 | 29 | 40 | 33 | 28 | 38 | 31 | 26 | 35 | 29 | 25 | 23 | | | | |
| 8 | 55 | 41 | 32 | 26 | 52 | 40 | 31 | 26 | 37 | 30 | 24 | 34 | 28 | 23 | 32 | 26 | 22 | 20 | | | | |
| 9 | 51 | 37 | 29 | 23 | 49 | 36 | 28 | 23 | 34 | 27 | 22 | 32 | 25 | 21 | 30 | 24 | 20 | 18 | | | | |
| 10 | 48 | 34 | 26 | 21 | 46 | 33 | 26 | 21 | 31 | 24 | 20 | 29 | 23 | 19 | 27 | 22 | 18 | 16 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 5956 | 5956 | 5956 | 5956 |
| 5° | 5987 | 5740 | 6000 | 5764 |
| 10° | 5932 | 5577 | 5951 | 5594 |
| 15° | 5863 | 5437 | 5889 | 5443 |
| 20° | 5771 | 5335 | 5790 | 5335 |
| 25° | 5657 | 5244 | 5691 | 5239 |
| 30° | 5530 | 5151 | 5573 | 5151 |
| 35° | 5381 | 5065 | 5441 | 5071 |
| 40° | 5234 | 5015 | 5298 | 5015 |
| 45° | 5066 | 4961 | 5143 | 4967 |
| 50° | 4891 | 4929 | 4956 | 4943 |
| 55° | 4645 | 4934 | 4792 | 4956 |
| 60° | 4387 | 4949 | 4529 | 4979 |
| 65° | 4097 | 4999 | 4278 | 5049 |
| 70° | 3688 | 5091 | 3975 | 5163 |
| 75° | 3218 | 5258 | 3520 | 5358 |
| 80° | 2490 | 5505 | 2826 | 5631 |
| 85° | 1489 | 5899 | 1858 | 6064 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.8 | 2.2 |
| 10°-20° | 200.7 | 6.3 |
| 20°-30° | 307.6 | 9.6 |
| 30°-40° | 379.5 | 11.9 |
| 40°-50° | 411.8 | 12.9 |
| 50°-60° | 405.9 | 12.7 |
| 60°-70° | 366.9 | 11.5 |
| 70°-80° | 305.7 | 9.5 |
| 80°-90° | 236.8 | 7.4 |
| 90°-100° | 179.6 | 5.6 |
| 100°-110° | 132.9 | 4.2 |
| 110°-120° | 92.4 | 2.9 |
| 120°-130° | 59.0 | 1.8 |
| 130°-140° | 33.1 | 1.0 |
| 140°-150° | 15.1 | 0.5 |
| 150°-160° | 4.7 | 0.1 |
| 160°-170° | 0.6 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 578.1 | 18.1 |
| 0°-40° | 957.7 | 29.9 |
| 0°-60° | 1775.3 | 55.4 |
| 0°-90° | 2684.7 | 83.8 |
| 90°-120° | 404.9 | 12.6 |
| 90°-150° | 512.1 | 16.0 |
| 90°-180° | 517.0 | 16.1 |
| 0°-180° | 3202.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 737 | 737 | 737 | 737 | 737 | |
| 5° | 740 | 731 | 742 | 734 | 740 | 70 |
| 15° | 707 | 715 | 710 | 716 | 707 | 199 |
| 25° | 644 | 691 | 648 | 690 | 644 | 297 |
| 35° | 557 | 648 | 564 | 649 | 557 | 349 |
| 45° | 457 | 597 | 464 | 598 | 457 | 352 |
| 55° | 344 | 538 | 355 | 540 | 344 | 308 |
| 65° | 229 | 472 | 239 | 477 | 229 | 227 |
| 75° | 115 | 404 | 126 | 412 | 115 | 122 |
| 85° | 22 | 337 | 27 | 346 | 22 | 26 |
| 90° | 1 | 303 | 2 | 315 | 1 | 1 |
| 95° | 1 | 275 | 1 | 288 | 1 | 1 |
| 105° | 1 | 218 | 1 | 232 | 1 | 1 |
| 115° | 1 | 166 | 1 | 181 | 1 | 1 |
| 125° | 1 | 120 | 1 | 133 | 1 | 1 |
| 135° | 1 | 78 | 1 | 92 | 1 | 1 |
| 145° | 1 | 45 | 1 | 55 | 1 | 1 |
| 155° | 1 | 19 | 1 | 26 | 1 | 0 |
| 165° | 1 | 3 | 1 | 5 | 1 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 |
| 2.5° | 743.2 | 743.2 | 742.4 | 740.9 | 741.7 | 744.0 | 742.4 | 738.6 | 736.2 | 730.0 | 731.6 |
| 5° | 740.1 | 740.1 | 739.3 | 737.8 | 738.6 | 741.7 | 740.1 | 737.0 | 733.9 | 728.5 | 730.8 |
| 7.5° | 734.7 | 734.7 | 733.9 | 732.3 | 733.9 | 737.0 | 735.5 | 732.3 | 730.0 | 724.6 | 726.9 |
| 10° | 726.9 | 727.7 | 726.9 | 724.6 | 727.7 | 730.8 | 730.0 | 726.1 | 723.8 | 719.1 | 721.5 |
| 12.5° | 717.6 | 718.3 | 717.6 | 716.8 | 718.3 | 723.0 | 721.5 | 718.3 | 716.8 | 712.9 | 715.2 |
| 15° | 706.7 | 707.5 | 705.9 | 705.9 | 707.5 | 712.1 | 712.1 | 709.0 | 707.5 | 703.6 | 708.2 |
| 17.5° | 692.7 | 693.5 | 692.7 | 692.7 | 694.2 | 698.9 | 699.7 | 698.1 | 696.6 | 695.0 | 699.7 |
| 20° | 678.7 | 677.9 | 677.9 | 677.1 | 680.3 | 687.3 | 686.5 | 686.5 | 684.9 | 684.9 | 690.4 |
| 22.5° | 662.4 | 662.4 | 661.6 | 661.6 | 665.5 | 671.7 | 671.7 | 673.3 | 671.7 | 674.8 | 679.5 |
| 25° | 643.7 | 644.5 | 643.7 | 645.3 | 648.4 | 655.4 | 656.2 | 658.5 | 659.3 | 662.4 | 667.8 |
| 27.5° | 624.3 | 625.1 | 624.3 | 625.8 | 631.3 | 636.7 | 640.6 | 643.7 | 644.5 | 649.2 | 656.2 |
| 30° | 603.3 | 603.3 | 604.1 | 605.6 | 611.8 | 620.4 | 623.5 | 627.4 | 627.4 | 635.2 | 642.2 |
| 32.5° | 581.5 | 581.5 | 581.5 | 584.6 | 591.6 | 601.7 | 605.6 | 610.3 | 611.8 | 619.6 | 627.4 |
| 35° | 557.4 | 558.2 | 558.2 | 560.5 | 569.9 | 580.0 | 585.4 | 590.8 | 594.0 | 603.3 | 611.1 |
| 37.5° | 534.9 | 536.4 | 534.1 | 537.2 | 550.4 | 559.0 | 565.2 | 570.6 | 576.1 | 588.5 | 594.7 |
| 40° | 509.2 | 510.8 | 510.0 | 516.2 | 527.1 | 538.0 | 545.0 | 550.4 | 558.2 | 570.6 | 577.6 |
| 42.5° | 482.0 | 483.6 | 485.1 | 492.1 | 503.8 | 514.7 | 523.2 | 530.2 | 539.5 | 550.4 | 562.1 |
| 45° | 457.1 | 457.1 | 459.5 | 468.0 | 480.5 | 492.1 | 502.2 | 510.0 | 520.9 | 532.5 | 544.2 |
| 47.5° | 429.1 | 429.9 | 433.0 | 443.1 | 456.4 | 470.3 | 479.7 | 489.8 | 501.4 | 513.9 | 527.1 |
| 50° | 403.5 | 403.5 | 408.2 | 419.0 | 431.5 | 447.0 | 457.1 | 468.8 | 481.2 | 496.0 | 509.2 |
| 52.5° | 373.9 | 375.5 | 382.5 | 392.6 | 408.9 | 422.9 | 434.6 | 447.0 | 461.8 | 477.3 | 492.1 |
| 55° | 344.4 | 347.5 | 353.0 | 366.9 | 384.1 | 397.3 | 411.3 | 426.8 | 440.8 | 457.9 | 475.0 |
| 57.5° | 315.6 | 318.0 | 326.5 | 340.5 | 358.4 | 374.7 | 389.5 | 404.3 | 421.4 | 438.5 | 456.4 |
| 60° | 286.1 | 289.2 | 299.3 | 313.3 | 332.7 | 349.8 | 366.9 | 382.5 | 400.4 | 418.3 | 436.9 |
| 62.5° | 258.1 | 260.4 | 272.1 | 288.4 | 307.9 | 326.5 | 343.6 | 362.3 | 381.7 | 398.8 | 417.5 |
| 65° | 228.6 | 232.5 | 245.7 | 260.4 | 283.0 | 301.6 | 321.1 | 341.3 | 361.5 | 380.2 | 398.0 |
| 67.5° | 201.4 | 203.7 | 217.7 | 234.8 | 257.3 | 278.3 | 298.5 | 320.3 | 341.3 | 360.7 | 378.6 |
| 70° | 169.5 | 177.3 | 191.2 | 209.1 | 233.2 | 255.0 | 276.8 | 299.3 | 321.9 | 342.1 | 359.2 |
| 72.5° | 143.0 | 149.3 | 164.8 | 184.3 | 207.6 | 233.2 | 255.8 | 279.9 | 302.4 | 323.4 | 341.3 |
| 75° | 115.1 | 121.3 | 139.2 | 160.9 | 185.0 | 212.2 | 235.6 | 260.4 | 283.8 | 304.8 | 323.4 |
| 77.5° | 87.8 | 95.6 | 115.1 | 137.6 | 164.0 | 192.0 | 216.1 | 241.0 | 265.1 | 287.7 | 306.3 |
| 80° | 63.0 | 71.5 | 92.5 | 118.2 | 143.8 | 171.8 | 198.2 | 223.1 | 247.2 | 269.8 | 289.2 |
| 82.5° | 40.4 | 49.8 | 72.3 | 98.0 | 125.2 | 153.2 | 180.4 | 205.2 | 229.3 | 251.9 | 272.1 |
| 85° | 21.8 | 31.9 | 55.2 | 80.9 | 108.1 | 136.1 | 163.3 | 189.7 | 213.0 | 234.0 | 255.8 |
| 87.5° | 6.2 | 18.7 | 41.2 | 66.9 | 94.8 | 120.5 | 146.9 | 173.4 | 196.7 | 219.2 | 238.7 |
| 90° | 0.8 | 10.9 | 31.1 | 55.2 | 82.4 | 107.3 | 133.7 | 158.6 | 181.9 | 204.5 | 223.9 |
| 92.5° | 0.8 | 7.0 | 24.1 | 45.9 | 70.7 | 96.4 | 122.8 | 146.9 | 168.7 | 191.2 | 210.7 |
| 95° | 0.8 | 5.4 | 19.4 | 38.9 | 62.2 | 86.3 | 111.2 | 134.5 | 157.0 | 178.0 | 197.5 |
| 97.5° | 0.8 | 3.9 | 15.5 | 33.4 | 54.4 | 77.0 | 101.1 | 124.4 | 146.2 | 166.4 | 184.3 |
| 100° | 0.8 | 3.1 | 12.4 | 28.8 | 47.4 | 69.2 | 91.0 | 113.5 | 134.5 | 153.9 | 172.6 |
| 102.5° | 0.8 | 2.3 | 10.9 | 24.1 | 42.0 | 61.4 | 82.4 | 103.4 | 123.6 | 142.3 | 160.9 |
| 105° | 0.8 | 2.3 | 9.3 | 21.0 | 37.3 | 55.2 | 74.6 | 94.8 | 113.5 | 131.4 | 148.5 |
| 107.5° | 0.8 | 1.6 | 7.8 | 17.9 | 32.7 | 49.8 | 67.6 | 87.1 | 104.2 | 121.3 | 137.6 |
| 110° | 0.8 | 1.6 | 6.2 | 16.3 | 28.8 | 44.3 | 61.4 | 79.3 | 95.6 | 112.0 | 127.5 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|------|------|------|------|------|------|-------|-------|
| 112.5° | 0.8 | 1.6 | 5.4 | 14.0 | 24.9 | 39.6 | 55.2 | 71.5 | 87.1 | 103.4 | 117.4 |
| 115° | 0.8 | 1.6 | 4.7 | 12.4 | 23.3 | 34.2 | 49.8 | 64.5 | 80.1 | 94.8 | 108.1 |
| 117.5° | 0.8 | 1.6 | 3.9 | 10.1 | 20.2 | 31.1 | 43.5 | 58.3 | 72.3 | 86.3 | 98.7 |
| 120° | 0.8 | 1.6 | 3.1 | 9.3 | 17.9 | 28.0 | 38.9 | 52.1 | 65.3 | 78.5 | 91.7 |
| 122.5° | 0.8 | 0.8 | 3.1 | 7.8 | 15.5 | 24.9 | 35.8 | 45.9 | 58.3 | 70.7 | 82.4 |
| 125° | 0.8 | 0.8 | 3.1 | 7.0 | 13.2 | 22.5 | 31.9 | 41.2 | 52.1 | 63.0 | 73.1 |
| 127.5° | 0.8 | 0.8 | 2.3 | 5.4 | 11.7 | 19.4 | 28.0 | 38.1 | 45.9 | 56.0 | 66.1 |
| 130° | 0.8 | 0.8 | 2.3 | 4.7 | 10.1 | 16.3 | 24.9 | 33.4 | 42.8 | 49.8 | 58.3 |
| 132.5° | 0.8 | 0.8 | 2.3 | 3.9 | 7.8 | 13.2 | 21.0 | 28.8 | 37.3 | 45.1 | 52.1 |
| 135° | 0.8 | 0.8 | 1.6 | 3.1 | 6.2 | 10.9 | 17.1 | 24.1 | 32.7 | 40.4 | 47.4 |
| 137.5° | 0.8 | 0.8 | 1.6 | 3.1 | 4.7 | 9.3 | 13.2 | 19.4 | 27.2 | 34.2 | 41.2 |
| 140° | 0.8 | 0.8 | 1.6 | 2.3 | 3.9 | 7.0 | 10.9 | 15.5 | 21.8 | 28.0 | 35.8 |
| 142.5° | 0.8 | 0.8 | 0.8 | 2.3 | 3.1 | 5.4 | 8.6 | 12.4 | 17.1 | 22.5 | 28.8 |
| 145° | 0.8 | 0.8 | 0.8 | 2.3 | 3.1 | 3.9 | 7.0 | 10.1 | 13.2 | 17.1 | 22.5 |
| 147.5° | 0.8 | 0.8 | 0.8 | 1.6 | 2.3 | 3.1 | 5.4 | 7.8 | 10.1 | 13.2 | 16.3 |
| 150° | 0.8 | 0.8 | 0.8 | 1.6 | 2.3 | 3.1 | 3.9 | 5.4 | 7.8 | 10.9 | 13.2 |
| 152.5° | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 2.3 | 3.1 | 3.9 | 5.4 | 7.8 | 9.3 |
| 155° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 2.3 | 3.1 | 3.1 | 3.9 | 5.4 | 7.0 |
| 157.5° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 2.3 | 2.3 | 3.1 | 3.1 | 4.7 |
| 160° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 2.3 | 2.3 | 2.3 | 2.3 |
| 162.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 | 2.3 | 2.3 |
| 165° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 |
| 2.5° | 731.6 | 732.3 | 734.7 | 734.7 | 733.1 | 733.1 | 732.3 | 731.6 | 732.3 | 733.9 | 733.9 |
| 5° | 730.0 | 730.8 | 733.1 | 733.9 | 732.3 | 731.6 | 731.6 | 730.8 | 731.6 | 733.1 | 733.1 |
| 7.5° | 726.9 | 727.7 | 730.0 | 730.8 | 729.2 | 729.2 | 728.5 | 727.7 | 729.2 | 730.0 | 730.0 |
| 10° | 722.2 | 723.0 | 726.1 | 726.9 | 726.1 | 725.3 | 725.3 | 724.6 | 725.3 | 726.9 | 726.9 |
| 12.5° | 716.0 | 717.6 | 721.5 | 721.5 | 721.5 | 720.7 | 720.7 | 719.9 | 720.7 | 722.2 | 721.5 |
| 15° | 709.0 | 712.1 | 715.2 | 716.8 | 716.8 | 716.8 | 716.0 | 715.2 | 716.8 | 717.6 | 716.8 |
| 17.5° | 701.2 | 705.1 | 709.8 | 711.4 | 711.4 | 712.1 | 711.4 | 710.6 | 712.1 | 712.1 | 711.4 |
| 20° | 693.5 | 697.4 | 702.0 | 703.6 | 705.1 | 705.9 | 705.9 | 705.1 | 705.9 | 706.7 | 705.9 |
| 22.5° | 683.4 | 688.0 | 693.5 | 695.8 | 697.4 | 698.9 | 698.9 | 698.9 | 699.7 | 700.5 | 698.9 |
| 25° | 672.5 | 677.9 | 684.1 | 686.5 | 689.6 | 690.4 | 691.1 | 691.1 | 691.9 | 692.7 | 690.4 |
| 27.5° | 660.8 | 667.0 | 673.3 | 677.1 | 679.5 | 681.0 | 681.0 | 681.8 | 682.6 | 683.4 | 681.0 |
| 30° | 646.8 | 656.2 | 661.6 | 664.7 | 667.8 | 670.1 | 670.9 | 671.7 | 672.5 | 673.3 | 670.9 |
| 32.5° | 634.4 | 642.2 | 649.2 | 653.0 | 656.9 | 660.0 | 660.8 | 660.8 | 662.4 | 662.4 | 660.0 |
| 35° | 619.6 | 628.9 | 635.9 | 639.8 | 644.5 | 646.8 | 648.4 | 648.4 | 649.9 | 649.9 | 647.6 |
| 37.5° | 604.8 | 614.2 | 621.9 | 626.6 | 632.1 | 635.2 | 635.9 | 635.9 | 637.5 | 637.5 | 634.4 |
| 40° | 589.3 | 599.4 | 608.0 | 613.4 | 618.1 | 621.9 | 622.7 | 625.1 | 625.1 | 624.3 | 621.2 |
| 42.5° | 573.7 | 583.1 | 592.4 | 598.6 | 604.8 | 608.7 | 610.3 | 611.1 | 611.1 | 610.3 | 608.0 |
| 45° | 556.6 | 567.5 | 576.1 | 583.9 | 590.1 | 594.0 | 596.3 | 597.1 | 597.1 | 595.5 | 593.2 |
| 47.5° | 540.3 | 551.2 | 559.8 | 568.3 | 574.5 | 579.2 | 581.5 | 582.3 | 581.5 | 580.7 | 578.4 |
| 50° | 523.2 | 535.7 | 544.2 | 552.8 | 559.0 | 562.9 | 566.7 | 567.5 | 566.7 | 566.0 | 561.3 |
| 52.5° | 505.3 | 518.5 | 527.9 | 536.4 | 543.4 | 548.1 | 551.2 | 552.0 | 552.0 | 550.4 | 547.3 |
| 55° | 487.5 | 499.1 | 510.8 | 520.1 | 527.9 | 532.5 | 536.4 | 538.0 | 536.4 | 534.9 | 531.0 |
| 57.5° | 471.1 | 482.0 | 493.7 | 503.8 | 511.6 | 517.8 | 520.9 | 522.4 | 520.9 | 518.5 | 514.7 |
| 60° | 451.7 | 463.4 | 476.6 | 485.9 | 494.4 | 500.7 | 502.2 | 505.3 | 503.8 | 501.4 | 497.6 |
| 62.5° | 433.0 | 447.0 | 458.7 | 470.3 | 477.3 | 484.3 | 487.5 | 489.0 | 487.5 | 485.1 | 481.2 |
| 65° | 413.6 | 429.1 | 440.8 | 452.5 | 460.2 | 467.2 | 471.1 | 471.9 | 470.3 | 468.0 | 464.1 |
| 67.5° | 395.7 | 410.5 | 422.9 | 435.4 | 442.4 | 449.4 | 453.2 | 454.8 | 453.2 | 450.1 | 446.2 |
| 70° | 377.8 | 392.6 | 407.4 | 416.7 | 425.3 | 433.0 | 435.4 | 437.7 | 436.1 | 433.0 | 428.4 |
| 72.5° | 360.0 | 375.5 | 390.3 | 399.6 | 408.9 | 415.9 | 419.0 | 421.4 | 419.8 | 416.7 | 411.3 |
| 75° | 341.3 | 357.6 | 372.4 | 382.5 | 391.8 | 398.8 | 401.9 | 404.3 | 402.7 | 399.6 | 393.4 |
| 77.5° | 324.2 | 340.5 | 354.5 | 365.4 | 374.7 | 380.9 | 386.4 | 387.2 | 385.6 | 382.5 | 376.3 |
| 80° | 306.3 | 322.6 | 337.4 | 348.3 | 357.6 | 363.8 | 367.7 | 370.1 | 368.5 | 365.4 | 359.2 |
| 82.5° | 290.8 | 305.5 | 320.3 | 331.2 | 340.5 | 348.3 | 351.4 | 353.7 | 353.0 | 348.3 | 343.6 |
| 85° | 273.7 | 290.8 | 302.4 | 314.1 | 323.4 | 331.2 | 333.5 | 336.6 | 335.9 | 332.0 | 325.7 |
| 87.5° | 256.6 | 273.7 | 287.7 | 299.3 | 307.9 | 314.1 | 318.0 | 319.5 | 318.7 | 314.9 | 307.9 |
| 90° | 242.6 | 258.1 | 272.1 | 284.5 | 291.5 | 298.5 | 302.4 | 303.2 | 303.2 | 298.5 | 293.1 |
| 92.5° | 229.3 | 244.1 | 258.1 | 269.8 | 278.3 | 284.5 | 287.7 | 289.2 | 288.4 | 284.5 | 278.3 |
| 95° | 214.6 | 230.9 | 244.1 | 255.8 | 264.3 | 270.5 | 273.7 | 275.2 | 274.4 | 270.5 | 264.3 |
| 97.5° | 202.1 | 216.9 | 230.1 | 241.0 | 249.6 | 255.8 | 258.9 | 260.4 | 260.4 | 256.6 | 250.3 |
| 100° | 189.7 | 204.5 | 216.9 | 227.8 | 235.6 | 241.8 | 244.9 | 245.7 | 244.9 | 241.8 | 235.6 |
| 102.5° | 177.3 | 191.2 | 203.7 | 213.8 | 222.3 | 227.8 | 230.9 | 231.7 | 231.7 | 227.8 | 221.6 |
| 105° | 164.8 | 178.8 | 190.5 | 201.4 | 208.4 | 213.8 | 216.1 | 218.5 | 217.7 | 214.6 | 208.4 |
| 107.5° | 153.2 | 167.1 | 178.0 | 188.1 | 195.1 | 200.6 | 202.9 | 205.2 | 204.5 | 201.4 | 195.1 |
| 110° | 142.3 | 155.5 | 165.6 | 175.7 | 181.9 | 187.4 | 191.2 | 192.0 | 190.5 | 187.4 | 181.9 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 132.2 | 143.8 | 153.9 | 163.3 | 170.3 | 174.1 | 177.3 | 178.8 | 177.3 | 174.1 | 170.3 |
| 115° | 121.3 | 132.9 | 143.0 | 151.6 | 157.8 | 162.5 | 164.8 | 166.4 | 164.8 | 161.7 | 157.8 |
| 117.5° | 111.2 | 122.1 | 132.2 | 140.7 | 146.2 | 150.0 | 152.4 | 153.9 | 152.4 | 150.0 | 146.2 |
| 120° | 102.6 | 112.0 | 121.3 | 129.1 | 135.3 | 138.4 | 140.7 | 142.3 | 141.5 | 138.4 | 134.5 |
| 122.5° | 92.5 | 102.6 | 111.2 | 118.9 | 124.4 | 127.5 | 129.1 | 130.6 | 129.8 | 127.5 | 123.6 |
| 125° | 84.0 | 92.5 | 101.1 | 108.1 | 113.5 | 116.6 | 118.2 | 119.7 | 118.9 | 116.6 | 112.0 |
| 127.5° | 74.6 | 84.0 | 91.0 | 98.0 | 101.8 | 106.5 | 107.3 | 108.8 | 108.1 | 105.7 | 101.8 |
| 130° | 67.6 | 74.6 | 81.6 | 87.8 | 92.5 | 95.6 | 97.2 | 98.0 | 96.4 | 94.8 | 91.0 |
| 132.5° | 59.1 | 66.9 | 73.1 | 78.5 | 81.6 | 84.7 | 86.3 | 87.1 | 87.1 | 84.7 | 81.6 |
| 135° | 52.9 | 58.3 | 63.7 | 69.2 | 72.3 | 75.4 | 77.0 | 77.7 | 77.0 | 75.4 | 72.3 |
| 137.5° | 47.4 | 52.1 | 56.0 | 60.6 | 64.5 | 66.1 | 67.6 | 67.6 | 66.9 | 66.1 | 63.7 |
| 140° | 41.2 | 46.6 | 50.5 | 53.6 | 56.8 | 57.5 | 59.1 | 59.1 | 58.3 | 57.5 | 56.0 |
| 142.5° | 35.0 | 39.6 | 43.5 | 47.4 | 49.8 | 51.3 | 52.1 | 52.9 | 52.1 | 51.3 | 49.0 |
| 145° | 28.0 | 33.4 | 37.3 | 39.6 | 42.8 | 43.5 | 44.3 | 45.1 | 44.3 | 43.5 | 41.2 |
| 147.5° | 21.8 | 26.4 | 30.3 | 33.4 | 35.8 | 36.5 | 37.3 | 38.1 | 37.3 | 35.8 | 35.0 |
| 150° | 15.5 | 19.4 | 24.1 | 27.2 | 28.8 | 30.3 | 30.3 | 30.3 | 31.1 | 29.5 | 28.0 |
| 152.5° | 12.4 | 14.0 | 17.1 | 20.2 | 22.5 | 23.3 | 24.1 | 24.1 | 23.3 | 23.3 | 21.8 |
| 155° | 8.6 | 10.1 | 12.4 | 14.8 | 17.1 | 17.9 | 18.7 | 18.7 | 17.9 | 17.9 | 17.1 |
| 157.5° | 5.4 | 7.0 | 8.6 | 10.1 | 12.4 | 13.2 | 14.0 | 14.0 | 14.0 | 13.2 | 12.4 |
| 160° | 3.1 | 3.9 | 4.7 | 6.2 | 7.8 | 8.6 | 9.3 | 9.3 | 9.3 | 9.3 | 8.6 |
| 162.5° | 2.3 | 2.3 | 2.3 | 3.1 | 3.9 | 4.7 | 5.4 | 5.4 | 5.4 | 5.4 | 4.7 |
| 165° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 2.3 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 |
| 2.5° | 733.1 | 733.1 | 733.9 | 732.3 | 727.7 | 728.5 | 728.5 | 731.6 | 733.1 | 733.9 | 737.8 |
| 5° | 731.6 | 731.6 | 733.1 | 730.8 | 726.9 | 726.9 | 726.9 | 730.0 | 730.8 | 732.3 | 735.5 |
| 7.5° | 729.2 | 729.2 | 730.0 | 727.7 | 723.0 | 723.0 | 722.2 | 725.3 | 726.9 | 727.7 | 730.8 |
| 10° | 725.3 | 725.3 | 726.1 | 723.8 | 718.3 | 718.3 | 717.6 | 719.9 | 720.7 | 722.2 | 724.6 |
| 12.5° | 719.9 | 719.9 | 719.9 | 717.6 | 712.1 | 711.4 | 710.6 | 712.9 | 712.9 | 713.7 | 716.0 |
| 15° | 715.2 | 713.7 | 713.7 | 711.4 | 705.9 | 704.4 | 702.8 | 703.6 | 705.1 | 704.4 | 705.9 |
| 17.5° | 709.8 | 708.2 | 706.7 | 704.4 | 697.4 | 695.0 | 693.5 | 694.2 | 693.5 | 692.7 | 694.2 |
| 20° | 703.6 | 701.2 | 700.5 | 696.6 | 689.6 | 685.7 | 682.6 | 681.0 | 681.8 | 679.5 | 680.3 |
| 22.5° | 696.6 | 693.5 | 691.9 | 687.3 | 680.3 | 675.6 | 671.7 | 668.6 | 667.8 | 664.7 | 665.5 |
| 25° | 688.0 | 684.1 | 681.8 | 677.9 | 670.1 | 664.7 | 660.0 | 655.4 | 653.0 | 649.2 | 648.4 |
| 27.5° | 677.9 | 674.0 | 670.9 | 667.0 | 659.3 | 652.3 | 646.8 | 640.6 | 637.5 | 632.8 | 630.5 |
| 30° | 667.8 | 663.2 | 658.5 | 655.4 | 646.8 | 639.0 | 630.5 | 625.1 | 620.4 | 614.9 | 611.1 |
| 32.5° | 655.4 | 650.7 | 646.0 | 641.4 | 633.6 | 624.3 | 617.3 | 608.7 | 603.3 | 597.1 | 592.4 |
| 35° | 642.9 | 636.7 | 632.1 | 625.8 | 618.8 | 608.0 | 599.4 | 590.8 | 583.9 | 576.9 | 571.4 |
| 37.5° | 628.9 | 624.3 | 617.3 | 611.8 | 603.3 | 592.4 | 583.1 | 572.2 | 566.0 | 556.6 | 549.6 |
| 40° | 615.7 | 610.3 | 603.3 | 596.3 | 587.7 | 575.3 | 565.2 | 552.8 | 545.8 | 534.9 | 527.9 |
| 42.5° | 602.5 | 594.7 | 587.7 | 580.0 | 570.6 | 559.0 | 546.5 | 534.1 | 524.8 | 514.7 | 504.6 |
| 45° | 587.7 | 579.2 | 570.6 | 562.1 | 552.8 | 541.1 | 527.9 | 514.7 | 503.0 | 493.7 | 481.2 |
| 47.5° | 572.2 | 563.6 | 553.5 | 544.2 | 534.1 | 522.4 | 508.4 | 494.4 | 482.0 | 471.1 | 457.9 |
| 50° | 556.6 | 548.1 | 537.2 | 527.1 | 515.4 | 503.8 | 489.0 | 472.7 | 459.5 | 445.5 | 433.8 |
| 52.5° | 540.3 | 531.8 | 521.7 | 508.4 | 496.0 | 484.3 | 468.8 | 451.7 | 436.9 | 425.3 | 410.5 |
| 55° | 524.0 | 515.4 | 503.8 | 490.6 | 478.1 | 463.4 | 448.6 | 431.5 | 415.1 | 401.2 | 386.4 |
| 57.5° | 506.9 | 499.1 | 485.9 | 475.0 | 459.5 | 443.9 | 428.4 | 412.0 | 394.2 | 377.8 | 360.7 |
| 60° | 489.8 | 481.2 | 468.8 | 455.6 | 440.0 | 424.5 | 408.2 | 390.3 | 371.6 | 353.7 | 338.2 |
| 62.5° | 474.2 | 463.4 | 451.7 | 437.7 | 421.4 | 406.6 | 387.9 | 368.5 | 349.8 | 331.2 | 312.5 |
| 65° | 456.4 | 444.7 | 433.8 | 419.8 | 402.7 | 385.6 | 366.9 | 347.5 | 327.3 | 307.1 | 288.4 |
| 67.5° | 438.5 | 426.8 | 415.1 | 401.2 | 383.3 | 365.4 | 346.0 | 326.5 | 304.0 | 284.5 | 262.8 |
| 70° | 420.6 | 411.3 | 396.5 | 381.7 | 365.4 | 346.0 | 326.5 | 305.5 | 282.2 | 261.2 | 238.7 |
| 72.5° | 402.7 | 393.4 | 378.6 | 363.1 | 347.5 | 327.3 | 306.3 | 285.3 | 263.5 | 239.4 | 215.3 |
| 75° | 385.6 | 373.9 | 360.7 | 346.0 | 329.6 | 308.6 | 287.7 | 265.9 | 240.2 | 217.7 | 192.8 |
| 77.5° | 369.3 | 358.4 | 345.2 | 328.9 | 311.0 | 290.8 | 269.0 | 246.4 | 220.8 | 196.7 | 169.5 |
| 80° | 351.4 | 340.5 | 327.3 | 311.0 | 293.1 | 273.7 | 250.3 | 227.0 | 202.1 | 175.7 | 147.7 |
| 82.5° | 334.3 | 324.2 | 309.4 | 294.6 | 275.2 | 255.8 | 232.5 | 209.1 | 182.7 | 157.0 | 129.8 |
| 85° | 316.4 | 306.3 | 292.3 | 276.8 | 258.1 | 237.1 | 215.3 | 192.0 | 165.6 | 139.2 | 112.0 |
| 87.5° | 300.9 | 289.2 | 275.2 | 259.7 | 241.0 | 220.8 | 199.8 | 174.9 | 149.3 | 123.6 | 95.6 |
| 90° | 284.5 | 273.7 | 259.7 | 244.1 | 225.5 | 205.2 | 183.5 | 160.2 | 135.3 | 108.8 | 82.4 |
| 92.5° | 270.5 | 258.9 | 245.7 | 230.1 | 211.5 | 192.0 | 170.3 | 146.9 | 122.8 | 97.2 | 71.5 |
| 95° | 256.6 | 244.9 | 232.5 | 216.9 | 198.2 | 178.8 | 157.0 | 134.5 | 111.2 | 86.3 | 62.2 |
| 97.5° | 241.0 | 230.9 | 218.5 | 203.7 | 185.0 | 166.4 | 145.4 | 123.6 | 101.1 | 77.0 | 54.4 |
| 100° | 228.6 | 216.9 | 205.2 | 189.7 | 172.6 | 154.7 | 133.7 | 112.7 | 91.0 | 68.4 | 47.4 |
| 102.5° | 214.6 | 203.7 | 192.0 | 177.3 | 160.2 | 142.3 | 122.8 | 102.6 | 82.4 | 61.4 | 41.2 |
| 105° | 201.4 | 191.2 | 178.8 | 164.8 | 148.5 | 131.4 | 112.7 | 94.1 | 74.6 | 54.4 | 36.5 |
| 107.5° | 188.1 | 178.0 | 166.4 | 153.2 | 137.6 | 120.5 | 103.4 | 84.7 | 66.9 | 49.0 | 32.7 |
| 110° | 174.9 | 165.6 | 154.7 | 141.5 | 126.7 | 111.2 | 94.8 | 77.7 | 59.9 | 43.5 | 28.8 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 112.5° | 163.3 | 153.9 | 143.0 | 130.6 | 116.6 | 101.8 | 86.3 | 70.0 | 53.6 | 38.9 | 24.9 |
| 115° | 151.6 | 143.0 | 132.2 | 121.3 | 107.3 | 93.3 | 78.5 | 63.0 | 48.2 | 35.0 | 21.8 |
| 117.5° | 139.9 | 131.4 | 121.3 | 110.4 | 98.0 | 84.7 | 70.7 | 56.0 | 43.5 | 31.1 | 19.4 |
| 120° | 128.3 | 120.5 | 111.2 | 101.1 | 90.2 | 77.0 | 63.0 | 50.5 | 38.9 | 27.2 | 17.1 |
| 122.5° | 117.4 | 110.4 | 101.8 | 92.5 | 80.9 | 68.4 | 56.8 | 45.9 | 35.0 | 24.1 | 14.0 |
| 125° | 107.3 | 100.3 | 92.5 | 83.2 | 72.3 | 61.4 | 51.3 | 41.2 | 30.3 | 21.0 | 11.7 |
| 127.5° | 97.2 | 90.2 | 82.4 | 73.9 | 65.3 | 55.2 | 45.9 | 36.5 | 27.2 | 18.7 | 10.1 |
| 130° | 87.1 | 80.9 | 73.9 | 66.9 | 58.3 | 49.0 | 41.2 | 31.9 | 23.3 | 14.8 | 8.6 |
| 132.5° | 77.0 | 72.3 | 66.1 | 59.1 | 51.3 | 44.3 | 35.8 | 28.0 | 20.2 | 13.2 | 7.8 |
| 135° | 68.4 | 63.7 | 58.3 | 52.1 | 45.9 | 38.9 | 31.1 | 24.1 | 17.1 | 10.9 | 6.2 |
| 137.5° | 60.6 | 56.8 | 51.3 | 45.9 | 40.4 | 33.4 | 27.2 | 20.2 | 14.0 | 9.3 | 4.7 |
| 140° | 53.6 | 49.8 | 45.1 | 39.6 | 35.0 | 28.8 | 22.5 | 16.3 | 12.4 | 7.8 | 3.9 |
| 142.5° | 46.6 | 42.8 | 38.9 | 34.2 | 29.5 | 24.1 | 18.7 | 14.0 | 10.1 | 6.2 | 3.9 |
| 145° | 39.6 | 36.5 | 32.7 | 28.8 | 24.1 | 19.4 | 15.5 | 11.7 | 7.8 | 4.7 | 3.1 |
| 147.5° | 32.7 | 30.3 | 26.4 | 23.3 | 19.4 | 15.5 | 12.4 | 9.3 | 6.2 | 3.9 | 2.3 |
| 150° | 26.4 | 24.1 | 21.0 | 17.9 | 15.5 | 12.4 | 10.1 | 7.0 | 4.7 | 3.9 | 2.3 |
| 152.5° | 20.2 | 18.7 | 16.3 | 14.8 | 12.4 | 9.3 | 7.0 | 5.4 | 3.9 | 3.1 | 1.6 |
| 155° | 16.3 | 14.8 | 13.2 | 10.9 | 9.3 | 7.0 | 5.4 | 3.9 | 3.1 | 2.3 | 1.6 |
| 157.5° | 11.7 | 10.9 | 9.3 | 7.8 | 6.2 | 4.7 | 3.9 | 3.9 | 2.3 | 1.6 | 0.8 |
| 160° | 7.8 | 7.0 | 6.2 | 4.7 | 3.9 | 3.9 | 3.1 | 2.3 | 1.6 | 1.6 | 0.8 |
| 162.5° | 4.7 | 3.9 | 3.9 | 3.9 | 3.1 | 3.1 | 2.3 | 1.6 | 1.6 | 0.8 | 0.8 |
| 165° | 3.1 | 3.1 | 3.1 | 2.3 | 2.3 | 2.3 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 |
| 2.5° | 737.8 | 735.5 | 738.6 | 744.0 | 744.8 | 744.0 | 742.4 | 744.8 | 747.9 | 747.1 | 741.7 |
| 5° | 736.2 | 733.1 | 736.2 | 741.7 | 741.7 | 740.9 | 740.1 | 742.4 | 745.6 | 744.8 | 740.1 |
| 7.5° | 731.6 | 728.5 | 731.6 | 736.2 | 737.0 | 735.5 | 735.5 | 737.8 | 740.9 | 740.1 | 736.2 |
| 10° | 725.3 | 722.2 | 723.8 | 729.2 | 730.8 | 729.2 | 729.2 | 731.6 | 735.5 | 734.7 | 730.0 |
| 12.5° | 716.0 | 713.7 | 715.2 | 719.9 | 721.5 | 720.7 | 719.9 | 723.0 | 726.9 | 726.9 | 722.2 |
| 15° | 705.9 | 702.8 | 704.4 | 709.8 | 710.6 | 709.0 | 709.8 | 712.1 | 716.8 | 716.8 | 712.9 |
| 17.5° | 694.2 | 690.4 | 692.7 | 696.6 | 697.4 | 697.4 | 697.4 | 700.5 | 705.9 | 705.1 | 702.0 |
| 20° | 681.0 | 675.6 | 677.1 | 681.0 | 682.6 | 682.6 | 682.6 | 688.0 | 691.9 | 691.9 | 688.8 |
| 22.5° | 665.5 | 661.6 | 661.6 | 665.5 | 667.8 | 667.0 | 667.0 | 671.7 | 677.1 | 676.4 | 676.4 |
| 25° | 647.6 | 644.5 | 642.9 | 647.6 | 648.4 | 649.2 | 650.7 | 655.4 | 661.6 | 661.6 | 662.4 |
| 27.5° | 628.9 | 625.8 | 625.1 | 628.9 | 629.7 | 630.5 | 632.1 | 637.5 | 643.7 | 644.5 | 646.0 |
| 30° | 611.1 | 606.4 | 604.8 | 608.0 | 609.5 | 610.3 | 610.3 | 618.8 | 624.3 | 626.6 | 629.7 |
| 32.5° | 590.1 | 585.4 | 581.5 | 587.0 | 587.7 | 589.3 | 590.1 | 598.6 | 604.8 | 608.7 | 613.4 |
| 35° | 569.1 | 561.3 | 559.8 | 563.6 | 565.2 | 566.0 | 567.5 | 576.9 | 585.4 | 588.5 | 594.7 |
| 37.5° | 545.8 | 540.3 | 535.7 | 539.5 | 541.1 | 541.9 | 546.5 | 555.1 | 563.6 | 568.3 | 574.5 |
| 40° | 524.0 | 517.0 | 513.1 | 515.4 | 517.0 | 517.8 | 523.2 | 532.5 | 542.6 | 548.1 | 555.9 |
| 42.5° | 499.9 | 490.6 | 487.5 | 489.8 | 490.6 | 492.9 | 497.6 | 510.0 | 520.1 | 527.9 | 534.1 |
| 45° | 475.8 | 468.8 | 461.8 | 464.1 | 464.9 | 466.5 | 473.5 | 486.7 | 497.6 | 506.9 | 513.9 |
| 47.5° | 450.9 | 442.4 | 435.4 | 436.9 | 440.0 | 440.8 | 448.6 | 464.1 | 474.2 | 484.3 | 493.7 |
| 50° | 426.0 | 414.4 | 408.9 | 408.9 | 410.5 | 414.4 | 424.5 | 440.0 | 450.9 | 462.6 | 472.7 |
| 52.5° | 400.4 | 389.5 | 383.3 | 384.1 | 385.6 | 390.3 | 399.6 | 415.1 | 427.6 | 440.0 | 452.5 |
| 55° | 374.7 | 363.1 | 356.8 | 355.3 | 356.8 | 363.1 | 373.9 | 390.3 | 402.7 | 417.5 | 430.7 |
| 57.5° | 349.1 | 335.1 | 329.6 | 327.3 | 328.9 | 336.6 | 347.5 | 364.6 | 380.2 | 394.2 | 409.7 |
| 60° | 321.1 | 310.2 | 300.9 | 295.4 | 299.3 | 309.4 | 321.1 | 339.0 | 355.3 | 370.8 | 387.9 |
| 62.5° | 297.0 | 283.0 | 272.9 | 267.4 | 271.3 | 279.9 | 296.2 | 313.3 | 331.2 | 349.1 | 366.2 |
| 65° | 269.8 | 255.8 | 244.1 | 238.7 | 242.6 | 252.7 | 269.0 | 287.7 | 307.1 | 325.0 | 345.2 |
| 67.5° | 243.3 | 228.6 | 214.6 | 209.1 | 213.8 | 224.7 | 242.6 | 263.5 | 284.5 | 303.2 | 325.0 |
| 70° | 217.7 | 201.4 | 186.6 | 182.7 | 185.8 | 200.6 | 217.7 | 238.7 | 260.4 | 282.2 | 304.8 |
| 72.5° | 194.4 | 174.1 | 158.6 | 153.9 | 157.8 | 174.1 | 193.6 | 215.3 | 238.7 | 262.0 | 286.1 |
| 75° | 167.1 | 148.5 | 131.4 | 125.9 | 130.6 | 145.4 | 169.5 | 192.8 | 217.7 | 242.6 | 265.1 |
| 77.5° | 145.4 | 123.6 | 105.7 | 97.2 | 105.0 | 123.6 | 146.9 | 171.8 | 197.5 | 223.1 | 248.8 |
| 80° | 122.8 | 100.3 | 80.9 | 71.5 | 80.1 | 100.3 | 123.6 | 150.8 | 179.6 | 205.2 | 228.6 |
| 82.5° | 102.6 | 78.5 | 58.3 | 48.2 | 57.5 | 80.1 | 105.7 | 132.9 | 160.9 | 186.6 | 213.8 |
| 85° | 84.0 | 59.1 | 38.1 | 27.2 | 40.4 | 60.6 | 87.8 | 115.8 | 144.6 | 171.0 | 197.5 |
| 87.5° | 68.4 | 44.3 | 23.3 | 11.7 | 24.9 | 47.4 | 73.1 | 101.1 | 129.8 | 156.3 | 181.1 |
| 90° | 56.0 | 31.9 | 12.4 | 1.6 | 14.8 | 35.8 | 60.6 | 87.8 | 115.1 | 142.3 | 167.1 |
| 92.5° | 45.9 | 24.1 | 7.0 | 0.8 | 9.3 | 28.8 | 52.1 | 77.7 | 104.2 | 130.6 | 154.7 |
| 95° | 38.1 | 18.7 | 4.7 | 0.8 | 7.0 | 22.5 | 44.3 | 69.2 | 94.1 | 119.7 | 143.8 |
| 97.5° | 32.7 | 15.5 | 3.9 | 0.8 | 5.4 | 19.4 | 38.1 | 61.4 | 85.5 | 109.6 | 132.9 |
| 100° | 28.0 | 12.4 | 3.1 | 0.8 | 4.7 | 16.3 | 33.4 | 54.4 | 77.0 | 100.3 | 122.8 |
| 102.5° | 24.1 | 10.1 | 2.3 | 0.8 | 3.9 | 14.0 | 29.5 | 49.0 | 69.2 | 91.7 | 113.5 |
| 105° | 21.0 | 8.6 | 2.3 | 0.8 | 3.1 | 12.4 | 26.4 | 43.5 | 63.7 | 84.0 | 105.0 |
| 107.5° | 17.9 | 7.0 | 1.6 | 0.8 | 2.3 | 10.1 | 23.3 | 39.6 | 57.5 | 77.0 | 96.4 |
| 110° | 15.5 | 6.2 | 1.6 | 0.8 | 2.3 | 9.3 | 20.2 | 35.8 | 52.1 | 70.0 | 88.6 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 13.2 | 4.7 | 1.6 | 0.8 | 1.6 | 7.8 | 17.9 | 31.9 | 47.4 | 63.7 | 81.6 |
| 115° | 11.7 | 3.9 | 0.8 | 0.8 | 1.6 | 7.0 | 16.3 | 28.8 | 42.8 | 58.3 | 74.6 |
| 117.5° | 9.3 | 3.1 | 0.8 | 0.8 | 0.8 | 5.4 | 14.0 | 25.7 | 38.9 | 53.6 | 68.4 |
| 120° | 7.8 | 3.1 | 0.8 | 0.8 | 0.8 | 4.7 | 12.4 | 22.5 | 35.0 | 48.2 | 62.2 |
| 122.5° | 7.0 | 2.3 | 0.8 | 0.8 | 0.8 | 3.9 | 10.9 | 20.2 | 31.1 | 43.5 | 56.8 |
| 125° | 6.2 | 2.3 | 0.8 | 0.8 | 0.8 | 3.1 | 9.3 | 17.9 | 28.0 | 38.9 | 51.3 |
| 127.5° | 4.7 | 2.3 | 0.8 | 0.8 | 0.8 | 2.3 | 8.6 | 15.5 | 24.9 | 35.0 | 45.9 |
| 130° | 3.9 | 1.6 | 0.8 | 0.8 | 0.8 | 2.3 | 7.0 | 14.0 | 21.8 | 31.1 | 41.2 |
| 132.5° | 3.1 | 1.6 | 0.8 | 0.8 | 0.8 | 1.6 | 5.4 | 10.9 | 18.7 | 27.2 | 36.5 |
| 135° | 3.1 | 1.6 | 0.8 | 0.8 | 0.8 | 1.6 | 3.9 | 9.3 | 15.5 | 23.3 | 31.1 |
| 137.5° | 3.1 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 3.1 | 7.0 | 12.4 | 18.7 | 25.7 |
| 140° | 2.3 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 2.3 | 5.4 | 10.1 | 15.5 | 21.8 |
| 142.5° | 2.3 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 2.3 | 3.9 | 7.8 | 12.4 | 17.1 |
| 145° | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 3.1 | 6.2 | 9.3 | 14.0 |
| 147.5° | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 2.3 | 4.7 | 7.8 | 10.9 |
| 150° | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 2.3 | 3.1 | 5.4 | 8.6 |
| 152.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 2.3 | 3.9 | 5.4 |
| 155° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 2.3 | 3.1 | 3.9 |
| 157.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 2.3 | 3.1 |
| 160° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 2.3 |
| 162.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 |
| 165° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 |
| 2.5° | 739.3 | 733.9 | 735.5 | 734.7 | 736.2 | 738.6 | 738.6 | 737.8 | 737.8 | 736.2 | 734.7 |
| 5° | 737.8 | 732.3 | 734.7 | 733.9 | 735.5 | 737.8 | 737.8 | 737.0 | 737.0 | 734.7 | 733.9 |
| 7.5° | 733.1 | 729.2 | 730.8 | 730.8 | 732.3 | 734.7 | 734.7 | 733.9 | 733.9 | 731.6 | 730.8 |
| 10° | 728.5 | 723.8 | 726.1 | 726.1 | 727.7 | 730.8 | 730.8 | 730.0 | 730.0 | 727.7 | 726.9 |
| 12.5° | 720.7 | 716.0 | 719.9 | 720.7 | 722.2 | 725.3 | 724.6 | 724.6 | 724.6 | 722.2 | 721.5 |
| 15° | 711.4 | 708.2 | 712.1 | 712.9 | 715.2 | 719.1 | 719.1 | 719.1 | 719.1 | 716.8 | 716.0 |
| 17.5° | 701.2 | 698.9 | 702.8 | 704.4 | 707.5 | 711.4 | 711.4 | 712.1 | 712.9 | 711.4 | 710.6 |
| 20° | 689.6 | 688.0 | 691.9 | 695.0 | 699.7 | 703.6 | 705.1 | 705.9 | 707.5 | 705.9 | 705.1 |
| 22.5° | 676.4 | 676.4 | 681.8 | 684.9 | 690.4 | 694.2 | 696.6 | 698.9 | 700.5 | 698.9 | 698.1 |
| 25° | 661.6 | 663.9 | 669.4 | 674.8 | 681.0 | 684.9 | 687.3 | 690.4 | 691.9 | 691.1 | 690.4 |
| 27.5° | 647.6 | 650.7 | 657.7 | 663.2 | 668.6 | 674.8 | 677.1 | 681.0 | 682.6 | 682.6 | 681.8 |
| 30° | 631.3 | 635.9 | 643.7 | 649.9 | 656.9 | 663.2 | 666.3 | 670.1 | 672.5 | 670.9 | 671.7 |
| 32.5° | 615.7 | 623.5 | 629.7 | 636.7 | 644.5 | 650.7 | 654.6 | 659.3 | 661.6 | 660.8 | 661.6 |
| 35° | 598.6 | 606.4 | 614.9 | 621.9 | 631.3 | 637.5 | 642.9 | 646.8 | 649.9 | 649.2 | 649.2 |
| 37.5° | 580.0 | 590.1 | 598.6 | 608.0 | 616.5 | 623.5 | 628.9 | 633.6 | 636.7 | 636.7 | 636.7 |
| 40° | 562.1 | 573.0 | 581.5 | 592.4 | 603.3 | 609.5 | 615.7 | 620.4 | 623.5 | 624.3 | 625.1 |
| 42.5° | 542.6 | 554.3 | 564.4 | 576.1 | 587.0 | 594.7 | 601.7 | 607.2 | 610.3 | 611.8 | 611.1 |
| 45° | 524.8 | 535.7 | 547.3 | 560.5 | 570.6 | 578.4 | 587.0 | 593.2 | 596.3 | 597.1 | 597.8 |
| 47.5° | 504.6 | 517.0 | 530.2 | 543.4 | 553.5 | 563.6 | 571.4 | 577.6 | 580.7 | 583.1 | 583.1 |
| 50° | 485.1 | 498.3 | 513.1 | 527.1 | 538.0 | 548.1 | 555.9 | 562.9 | 566.7 | 568.3 | 569.1 |
| 52.5° | 467.2 | 479.7 | 495.2 | 509.2 | 520.1 | 530.2 | 540.3 | 548.1 | 552.0 | 553.5 | 553.5 |
| 55° | 445.5 | 461.0 | 478.1 | 491.3 | 503.0 | 514.7 | 524.8 | 532.5 | 536.4 | 538.8 | 540.3 |
| 57.5° | 425.3 | 441.6 | 459.5 | 473.5 | 487.5 | 498.3 | 507.7 | 517.8 | 520.9 | 524.0 | 524.8 |
| 60° | 405.8 | 422.1 | 439.2 | 454.8 | 468.8 | 480.5 | 491.3 | 499.9 | 505.3 | 506.9 | 508.4 |
| 62.5° | 385.6 | 402.7 | 420.6 | 436.1 | 450.9 | 464.9 | 475.0 | 482.8 | 489.0 | 491.3 | 492.9 |
| 65° | 366.2 | 384.1 | 401.9 | 418.3 | 433.8 | 447.8 | 457.9 | 465.7 | 471.9 | 475.8 | 476.6 |
| 67.5° | 345.2 | 364.6 | 383.3 | 400.4 | 415.9 | 430.7 | 440.8 | 448.6 | 454.8 | 459.5 | 460.2 |
| 70° | 325.7 | 346.0 | 364.6 | 383.3 | 398.8 | 413.6 | 424.5 | 432.3 | 439.2 | 442.4 | 443.9 |
| 72.5° | 307.1 | 328.1 | 347.5 | 366.2 | 381.7 | 396.5 | 408.2 | 415.9 | 422.9 | 426.8 | 427.6 |
| 75° | 289.2 | 310.2 | 331.2 | 349.1 | 365.4 | 380.2 | 391.8 | 400.4 | 406.6 | 410.5 | 412.0 |
| 77.5° | 271.3 | 293.1 | 314.1 | 332.0 | 349.1 | 363.8 | 373.9 | 384.1 | 390.3 | 394.9 | 394.9 |
| 80° | 253.4 | 276.0 | 297.8 | 315.6 | 332.7 | 346.0 | 357.6 | 367.7 | 373.9 | 378.6 | 378.6 |
| 82.5° | 237.9 | 259.7 | 280.7 | 298.5 | 315.6 | 330.4 | 342.1 | 351.4 | 358.4 | 361.5 | 362.3 |
| 85° | 220.0 | 244.1 | 263.5 | 283.0 | 299.3 | 313.3 | 325.0 | 335.1 | 341.3 | 344.4 | 346.0 |
| 87.5° | 205.2 | 228.6 | 249.6 | 266.7 | 283.0 | 297.0 | 310.2 | 318.7 | 325.0 | 328.9 | 330.4 |
| 90° | 191.2 | 213.8 | 234.8 | 251.9 | 269.0 | 282.2 | 294.6 | 303.2 | 310.2 | 313.3 | 314.9 |
| 92.5° | 178.8 | 201.4 | 221.6 | 238.7 | 255.0 | 269.8 | 281.4 | 290.0 | 296.2 | 299.3 | 301.6 |
| 95° | 167.1 | 188.9 | 208.4 | 227.0 | 242.6 | 255.8 | 268.2 | 276.8 | 283.8 | 286.1 | 288.4 |
| 97.5° | 155.5 | 176.5 | 195.9 | 213.8 | 230.1 | 242.6 | 254.2 | 262.8 | 268.2 | 272.1 | 274.4 |
| 100° | 145.4 | 165.6 | 184.3 | 201.4 | 216.9 | 228.6 | 241.0 | 248.8 | 254.2 | 257.3 | 260.4 |
| 102.5° | 134.5 | 154.7 | 172.6 | 188.9 | 205.2 | 216.1 | 227.8 | 235.6 | 240.2 | 245.7 | 245.7 |
| 105° | 125.2 | 143.8 | 161.7 | 177.3 | 191.2 | 204.5 | 214.6 | 222.3 | 227.8 | 231.7 | 231.7 |
| 107.5° | 115.1 | 133.7 | 150.8 | 167.1 | 180.4 | 192.8 | 202.1 | 209.1 | 215.3 | 217.7 | 220.0 |
| 110° | 107.3 | 123.6 | 140.7 | 156.3 | 168.7 | 180.4 | 189.7 | 197.5 | 202.9 | 205.2 | 206.8 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 98.0 | 115.1 | 130.6 | 145.4 | 157.8 | 168.7 | 178.0 | 184.3 | 189.7 | 192.8 | 193.6 |
| 115° | 90.2 | 106.5 | 120.5 | 134.5 | 147.7 | 157.0 | 165.6 | 171.8 | 177.3 | 179.6 | 181.1 |
| 117.5° | 83.2 | 98.0 | 112.0 | 123.6 | 136.1 | 146.2 | 154.7 | 160.2 | 164.8 | 167.9 | 169.5 |
| 120° | 76.2 | 90.2 | 102.6 | 114.3 | 125.9 | 135.3 | 143.0 | 148.5 | 153.9 | 156.3 | 156.3 |
| 122.5° | 69.2 | 82.4 | 94.1 | 105.0 | 115.8 | 124.4 | 132.9 | 137.6 | 142.3 | 144.6 | 144.6 |
| 125° | 63.0 | 75.4 | 86.3 | 96.4 | 106.5 | 114.3 | 121.3 | 126.7 | 131.4 | 132.9 | 132.9 |
| 127.5° | 56.8 | 68.4 | 78.5 | 87.8 | 96.4 | 104.2 | 111.2 | 116.6 | 120.5 | 122.1 | 122.1 |
| 130° | 51.3 | 61.4 | 70.7 | 80.1 | 88.6 | 94.8 | 101.8 | 106.5 | 108.8 | 111.2 | 112.0 |
| 132.5° | 45.9 | 55.2 | 63.7 | 71.5 | 80.1 | 86.3 | 91.7 | 96.4 | 98.7 | 101.1 | 101.8 |
| 135° | 40.4 | 49.0 | 56.8 | 64.5 | 71.5 | 77.7 | 82.4 | 86.3 | 89.4 | 91.0 | 91.7 |
| 137.5° | 34.2 | 43.5 | 50.5 | 56.8 | 64.5 | 69.2 | 74.6 | 77.0 | 80.1 | 81.6 | 81.6 |
| 140° | 28.8 | 35.8 | 43.5 | 49.8 | 56.0 | 60.6 | 65.3 | 69.2 | 71.5 | 72.3 | 72.3 |
| 142.5° | 23.3 | 29.5 | 35.8 | 43.5 | 49.0 | 52.9 | 57.5 | 60.6 | 62.2 | 63.0 | 63.7 |
| 145° | 18.7 | 23.3 | 28.8 | 35.8 | 42.0 | 46.6 | 49.0 | 52.1 | 53.6 | 54.4 | 55.2 |
| 147.5° | 14.0 | 18.7 | 23.3 | 28.0 | 34.2 | 38.9 | 41.2 | 44.3 | 45.9 | 46.6 | 46.6 |
| 150° | 10.9 | 14.0 | 17.1 | 21.8 | 26.4 | 31.9 | 35.0 | 37.3 | 38.1 | 38.9 | 38.9 |
| 152.5° | 7.8 | 10.9 | 13.2 | 16.3 | 19.4 | 24.1 | 28.8 | 30.3 | 31.1 | 31.9 | 31.9 |
| 155° | 5.4 | 7.8 | 9.3 | 11.7 | 14.0 | 17.9 | 21.8 | 24.1 | 24.9 | 25.7 | 25.7 |
| 157.5° | 3.9 | 5.4 | 6.2 | 8.6 | 10.1 | 11.7 | 14.8 | 18.7 | 19.4 | 19.4 | 19.4 |
| 160° | 2.3 | 3.1 | 3.9 | 5.4 | 6.2 | 7.8 | 9.3 | 11.7 | 14.0 | 14.0 | 14.0 |
| 162.5° | 1.6 | 2.3 | 2.3 | 3.1 | 3.1 | 4.7 | 5.4 | 6.2 | 8.6 | 9.3 | 9.3 |
| 165° | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 2.3 | 2.3 | 3.9 | 4.7 | 4.7 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 |
| 2.5° | 735.5 | 737.0 | 736.2 | 736.2 | 736.2 | 737.8 | 736.2 | 729.2 | 730.8 | 732.3 | 733.9 |
| 5° | 734.7 | 735.5 | 735.5 | 734.7 | 734.7 | 736.2 | 734.7 | 727.7 | 729.2 | 730.8 | 731.6 |
| 7.5° | 731.6 | 732.3 | 732.3 | 732.3 | 731.6 | 733.1 | 730.8 | 724.6 | 724.6 | 726.1 | 726.9 |
| 10° | 727.7 | 729.2 | 728.5 | 727.7 | 727.7 | 727.7 | 726.1 | 719.1 | 719.1 | 719.9 | 720.7 |
| 12.5° | 723.0 | 723.0 | 723.0 | 722.2 | 721.5 | 721.5 | 719.9 | 712.9 | 712.1 | 713.7 | 712.9 |
| 15° | 716.8 | 718.3 | 716.8 | 716.0 | 714.5 | 714.5 | 712.1 | 705.1 | 703.6 | 704.4 | 703.6 |
| 17.5° | 711.4 | 712.1 | 710.6 | 709.0 | 707.5 | 706.7 | 704.4 | 696.6 | 694.2 | 695.0 | 693.5 |
| 20° | 705.9 | 705.9 | 704.4 | 702.8 | 700.5 | 698.1 | 695.0 | 687.3 | 683.4 | 683.4 | 680.3 |
| 22.5° | 698.9 | 698.9 | 697.4 | 695.0 | 692.7 | 689.6 | 686.5 | 678.7 | 672.5 | 670.9 | 668.6 |
| 25° | 691.1 | 690.4 | 689.6 | 687.3 | 682.6 | 679.5 | 676.4 | 667.8 | 660.8 | 657.7 | 653.8 |
| 27.5° | 681.8 | 681.8 | 679.5 | 677.1 | 672.5 | 668.6 | 664.7 | 656.9 | 647.6 | 643.7 | 638.3 |
| 30° | 671.7 | 671.7 | 669.4 | 666.3 | 661.6 | 656.9 | 652.3 | 642.9 | 633.6 | 628.2 | 621.9 |
| 32.5° | 661.6 | 660.8 | 658.5 | 655.4 | 650.7 | 643.7 | 639.8 | 630.5 | 619.6 | 613.4 | 604.8 |
| 35° | 649.2 | 648.4 | 646.0 | 642.2 | 635.9 | 630.5 | 624.3 | 615.7 | 603.3 | 595.5 | 586.2 |
| 37.5° | 636.7 | 635.9 | 634.4 | 628.9 | 622.7 | 616.5 | 608.7 | 600.2 | 588.5 | 578.4 | 569.1 |
| 40° | 624.3 | 623.5 | 620.4 | 616.5 | 608.7 | 601.0 | 593.2 | 584.6 | 572.2 | 560.5 | 550.4 |
| 42.5° | 611.1 | 610.3 | 606.4 | 601.7 | 593.2 | 585.4 | 576.1 | 566.7 | 554.3 | 540.3 | 530.2 |
| 45° | 597.8 | 596.3 | 592.4 | 587.0 | 577.6 | 569.1 | 559.8 | 548.9 | 536.4 | 523.2 | 510.0 |
| 47.5° | 583.9 | 581.5 | 577.6 | 569.9 | 562.1 | 552.8 | 541.9 | 530.2 | 517.8 | 503.0 | 489.0 |
| 50° | 568.3 | 566.7 | 562.1 | 555.1 | 545.8 | 536.4 | 524.0 | 512.3 | 497.6 | 483.6 | 466.5 |
| 52.5° | 553.5 | 550.4 | 546.5 | 538.8 | 529.4 | 519.3 | 506.1 | 492.1 | 477.3 | 464.1 | 446.2 |
| 55° | 538.0 | 536.4 | 531.0 | 524.8 | 513.1 | 501.4 | 489.0 | 474.2 | 457.9 | 442.4 | 425.3 |
| 57.5° | 523.2 | 520.1 | 515.4 | 506.9 | 496.8 | 485.1 | 471.9 | 456.4 | 438.5 | 422.1 | 403.5 |
| 60° | 508.4 | 503.8 | 498.3 | 490.6 | 479.7 | 467.2 | 453.2 | 436.9 | 419.0 | 401.2 | 381.7 |
| 62.5° | 492.1 | 488.2 | 482.0 | 474.2 | 463.4 | 450.1 | 435.4 | 418.3 | 401.2 | 382.5 | 361.5 |
| 65° | 475.8 | 471.9 | 465.7 | 457.9 | 447.0 | 432.3 | 416.7 | 399.6 | 380.2 | 362.3 | 339.7 |
| 67.5° | 459.5 | 455.6 | 448.6 | 440.0 | 429.1 | 415.1 | 398.8 | 380.9 | 361.5 | 342.1 | 318.7 |
| 70° | 443.1 | 438.5 | 432.3 | 422.9 | 412.0 | 397.3 | 380.9 | 362.3 | 342.8 | 321.9 | 298.5 |
| 72.5° | 426.8 | 422.9 | 415.1 | 406.6 | 394.9 | 380.2 | 363.8 | 345.2 | 325.0 | 303.2 | 279.9 |
| 75° | 410.5 | 405.8 | 400.4 | 390.3 | 377.8 | 363.8 | 346.7 | 328.1 | 306.3 | 285.3 | 261.2 |
| 77.5° | 394.2 | 390.3 | 383.3 | 373.2 | 361.5 | 346.7 | 329.6 | 311.0 | 289.2 | 267.4 | 241.8 |
| 80° | 377.8 | 373.2 | 367.7 | 358.4 | 345.2 | 330.4 | 312.5 | 293.9 | 272.1 | 249.6 | 223.9 |
| 82.5° | 361.5 | 356.8 | 350.6 | 341.3 | 328.9 | 314.1 | 297.0 | 276.8 | 255.0 | 231.7 | 207.6 |
| 85° | 345.2 | 341.3 | 334.3 | 325.0 | 311.8 | 297.0 | 279.9 | 262.0 | 238.7 | 215.3 | 191.2 |
| 87.5° | 328.9 | 325.0 | 318.0 | 308.6 | 296.2 | 281.4 | 264.3 | 245.7 | 223.1 | 201.4 | 174.9 |
| 90° | 313.3 | 310.2 | 303.2 | 293.9 | 281.4 | 266.7 | 251.1 | 230.9 | 209.1 | 187.4 | 162.5 |
| 92.5° | 299.3 | 296.2 | 290.0 | 280.7 | 269.8 | 253.4 | 237.9 | 218.5 | 196.7 | 174.1 | 150.0 |
| 95° | 286.9 | 283.0 | 276.8 | 268.2 | 255.0 | 241.0 | 225.5 | 206.0 | 185.0 | 162.5 | 139.2 |
| 97.5° | 272.9 | 269.0 | 262.8 | 253.4 | 242.6 | 227.8 | 212.2 | 193.6 | 172.6 | 151.6 | 128.3 |
| 100° | 258.9 | 255.0 | 248.0 | 240.2 | 229.3 | 214.6 | 199.8 | 181.1 | 161.7 | 141.5 | 118.9 |
| 102.5° | 244.9 | 241.0 | 234.8 | 227.0 | 216.1 | 202.9 | 188.1 | 170.3 | 150.8 | 130.6 | 109.6 |
| 105° | 231.7 | 227.8 | 221.6 | 213.8 | 203.7 | 190.5 | 174.9 | 159.4 | 140.7 | 121.3 | 101.1 |
| 107.5° | 218.5 | 214.6 | 209.1 | 201.4 | 191.2 | 178.8 | 164.0 | 147.7 | 130.6 | 112.0 | 92.5 |
| 110° | 205.2 | 202.1 | 195.9 | 188.9 | 178.8 | 166.4 | 153.2 | 137.6 | 120.5 | 103.4 | 84.7 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 112.5° | 192.8 | 189.7 | 183.5 | 175.7 | 167.1 | 155.5 | 142.3 | 127.5 | 111.2 | 94.8 | 77.0 |
| 115° | 180.4 | 176.5 | 171.0 | 164.0 | 155.5 | 144.6 | 132.2 | 118.9 | 102.6 | 87.1 | 70.7 |
| 117.5° | 167.9 | 164.8 | 159.4 | 152.4 | 144.6 | 133.7 | 122.1 | 109.6 | 94.1 | 79.3 | 64.5 |
| 120° | 155.5 | 153.2 | 147.7 | 141.5 | 133.7 | 123.6 | 112.7 | 100.3 | 86.3 | 72.3 | 58.3 |
| 122.5° | 143.8 | 141.5 | 136.1 | 130.6 | 122.8 | 113.5 | 103.4 | 91.7 | 79.3 | 66.1 | 53.6 |
| 125° | 132.9 | 129.8 | 125.2 | 119.7 | 112.7 | 104.2 | 94.1 | 83.2 | 71.5 | 59.9 | 48.2 |
| 127.5° | 121.3 | 118.9 | 115.8 | 109.6 | 102.6 | 94.8 | 85.5 | 76.2 | 65.3 | 54.4 | 43.5 |
| 130° | 112.0 | 108.8 | 105.0 | 100.3 | 94.1 | 86.3 | 77.7 | 68.4 | 59.1 | 49.0 | 38.1 |
| 132.5° | 101.1 | 98.0 | 94.8 | 90.2 | 84.7 | 77.7 | 70.0 | 61.4 | 52.9 | 43.5 | 34.2 |
| 135° | 91.0 | 88.6 | 85.5 | 80.9 | 75.4 | 70.0 | 62.2 | 54.4 | 46.6 | 38.1 | 30.3 |
| 137.5° | 81.6 | 79.3 | 76.2 | 73.1 | 67.6 | 62.2 | 55.2 | 48.2 | 41.2 | 33.4 | 26.4 |
| 140° | 72.3 | 70.7 | 67.6 | 64.5 | 59.9 | 54.4 | 48.2 | 42.0 | 35.8 | 28.8 | 22.5 |
| 142.5° | 63.0 | 61.4 | 59.1 | 56.0 | 52.1 | 47.4 | 42.0 | 36.5 | 30.3 | 24.9 | 19.4 |
| 145° | 54.4 | 53.6 | 51.3 | 48.2 | 45.1 | 40.4 | 35.8 | 31.1 | 25.7 | 21.0 | 15.5 |
| 147.5° | 45.9 | 45.1 | 43.5 | 41.2 | 38.1 | 34.2 | 30.3 | 25.7 | 21.8 | 17.1 | 12.4 |
| 150° | 38.1 | 37.3 | 36.5 | 33.4 | 31.9 | 28.0 | 24.9 | 21.0 | 17.9 | 13.2 | 10.1 |
| 152.5° | 31.1 | 31.1 | 29.5 | 27.2 | 25.7 | 22.5 | 20.2 | 17.1 | 14.0 | 10.9 | 7.8 |
| 155° | 24.9 | 24.1 | 23.3 | 21.8 | 20.2 | 17.9 | 15.5 | 13.2 | 10.9 | 7.8 | 5.4 |
| 157.5° | 19.4 | 18.7 | 17.9 | 16.3 | 14.8 | 14.0 | 11.7 | 9.3 | 7.0 | 5.4 | 3.9 |
| 160° | 14.0 | 13.2 | 12.4 | 11.7 | 10.9 | 9.3 | 7.8 | 6.2 | 4.7 | 3.1 | 2.3 |
| 162.5° | 9.3 | 8.6 | 8.6 | 7.8 | 7.0 | 5.4 | 4.7 | 3.9 | 3.1 | 2.3 | 1.6 |
| 165° | 4.7 | 4.7 | 3.9 | 3.9 | 3.1 | 2.3 | 2.3 | 2.3 | 1.6 | 1.6 | 0.8 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 | 737.0 |
| 2.5° | 733.1 | 733.1 | 736.2 | 735.5 | 733.1 | 737.8 | 743.2 |
| 5° | 730.8 | 730.8 | 733.1 | 733.1 | 730.8 | 735.5 | 740.1 |
| 7.5° | 726.9 | 726.1 | 728.5 | 728.5 | 725.3 | 729.2 | 734.7 |
| 10° | 719.9 | 719.1 | 721.5 | 721.5 | 718.3 | 722.2 | 726.9 |
| 12.5° | 712.1 | 710.6 | 712.9 | 712.1 | 709.0 | 712.9 | 717.6 |
| 15° | 702.0 | 701.2 | 702.8 | 701.2 | 698.1 | 702.0 | 706.7 |
| 17.5° | 691.9 | 689.6 | 690.4 | 690.4 | 684.9 | 688.8 | 692.7 |
| 20° | 678.7 | 675.6 | 676.4 | 675.6 | 671.7 | 674.0 | 678.7 |
| 22.5° | 665.5 | 660.8 | 660.8 | 660.0 | 655.4 | 658.5 | 662.4 |
| 25° | 649.2 | 643.7 | 643.7 | 642.9 | 637.5 | 639.8 | 643.7 |
| 27.5° | 632.8 | 627.4 | 625.1 | 624.3 | 618.8 | 618.8 | 624.3 |
| 30° | 615.7 | 608.0 | 606.4 | 604.1 | 598.6 | 598.6 | 603.3 |
| 32.5° | 599.4 | 588.5 | 585.4 | 582.3 | 576.9 | 576.1 | 581.5 |
| 35° | 577.6 | 569.1 | 563.6 | 560.5 | 554.3 | 552.8 | 557.4 |
| 37.5° | 559.8 | 548.9 | 541.1 | 537.2 | 531.0 | 528.7 | 534.9 |
| 40° | 540.3 | 528.7 | 518.5 | 516.2 | 506.9 | 503.8 | 509.2 |
| 42.5° | 518.5 | 506.1 | 496.0 | 491.3 | 484.3 | 481.2 | 482.0 |
| 45° | 496.8 | 483.6 | 472.7 | 466.5 | 459.5 | 454.0 | 457.1 |
| 47.5° | 474.2 | 462.6 | 449.4 | 440.0 | 431.5 | 427.6 | 429.1 |
| 50° | 451.7 | 437.7 | 425.3 | 415.1 | 405.0 | 400.4 | 403.5 |
| 52.5° | 429.1 | 414.4 | 400.4 | 389.5 | 377.8 | 373.2 | 373.9 |
| 55° | 407.4 | 391.8 | 375.5 | 363.8 | 353.0 | 346.0 | 344.4 |
| 57.5° | 385.6 | 368.5 | 351.4 | 338.2 | 324.2 | 318.0 | 315.6 |
| 60° | 362.3 | 344.4 | 326.5 | 311.0 | 296.2 | 289.2 | 286.1 |
| 62.5° | 340.5 | 321.1 | 300.9 | 284.5 | 269.8 | 260.4 | 258.1 |
| 65° | 319.5 | 297.0 | 276.8 | 258.1 | 241.8 | 231.7 | 228.6 |
| 67.5° | 297.0 | 273.7 | 251.9 | 231.7 | 216.1 | 202.9 | 201.4 |
| 70° | 276.0 | 251.1 | 227.0 | 206.0 | 188.9 | 175.7 | 169.5 |
| 72.5° | 255.0 | 229.3 | 204.5 | 181.9 | 160.2 | 147.7 | 143.0 |
| 75° | 234.8 | 208.4 | 181.9 | 158.6 | 134.5 | 119.7 | 115.1 |
| 77.5° | 216.1 | 188.9 | 160.9 | 135.3 | 112.7 | 94.1 | 87.8 |
| 80° | 198.2 | 170.3 | 140.7 | 114.3 | 90.2 | 70.0 | 63.0 |
| 82.5° | 179.6 | 153.2 | 122.8 | 94.8 | 70.0 | 49.0 | 40.4 |
| 85° | 163.3 | 136.8 | 106.5 | 78.5 | 53.6 | 31.1 | 21.8 |
| 87.5° | 150.0 | 121.3 | 94.1 | 66.1 | 40.4 | 17.9 | 6.2 |
| 90° | 136.8 | 108.8 | 81.6 | 54.4 | 30.3 | 10.1 | 0.8 |
| 92.5° | 125.2 | 98.7 | 71.5 | 46.6 | 23.3 | 7.0 | 0.8 |
| 95° | 114.3 | 88.6 | 63.0 | 38.9 | 18.7 | 4.7 | 0.8 |
| 97.5° | 104.2 | 80.1 | 56.0 | 33.4 | 15.5 | 3.9 | 0.8 |
| 100° | 95.6 | 72.3 | 49.8 | 29.5 | 13.2 | 3.1 | 0.8 |
| 102.5° | 87.1 | 65.3 | 44.3 | 25.7 | 11.7 | 2.3 | 0.8 |
| 105° | 80.1 | 59.1 | 39.6 | 23.3 | 10.1 | 2.3 | 0.8 |
| 107.5° | 73.1 | 53.6 | 35.8 | 20.2 | 8.6 | 1.6 | 0.8 |
| 110° | 66.1 | 49.0 | 31.9 | 17.9 | 7.8 | 1.6 | 0.8 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 60.6 | 44.3 | 28.8 | 16.3 | 6.2 | 1.6 | 0.8 |
| 115° | 55.2 | 39.6 | 25.7 | 14.0 | 5.4 | 0.8 | 0.8 |
| 117.5° | 49.8 | 35.8 | 22.5 | 12.4 | 4.7 | 0.8 | 0.8 |
| 120° | 45.1 | 31.9 | 20.2 | 10.9 | 3.9 | 0.8 | 0.8 |
| 122.5° | 40.4 | 28.8 | 17.9 | 9.3 | 3.1 | 0.8 | 0.8 |
| 125° | 36.5 | 25.7 | 15.5 | 7.8 | 2.3 | 0.8 | 0.8 |
| 127.5° | 32.7 | 22.5 | 14.0 | 7.0 | 2.3 | 0.8 | 0.8 |
| 130° | 28.8 | 20.2 | 11.7 | 5.4 | 1.6 | 0.8 | 0.8 |
| 132.5° | 25.7 | 17.1 | 10.1 | 4.7 | 1.6 | 0.8 | 0.8 |
| 135° | 22.5 | 14.8 | 8.6 | 3.1 | 1.6 | 0.8 | 0.8 |
| 137.5° | 19.4 | 12.4 | 7.0 | 2.3 | 0.8 | 0.8 | 0.8 |
| 140° | 16.3 | 10.9 | 5.4 | 2.3 | 0.8 | 0.8 | 0.8 |
| 142.5° | 14.0 | 8.6 | 3.9 | 1.6 | 0.8 | 0.8 | 0.8 |
| 145° | 10.9 | 7.0 | 3.1 | 1.6 | 0.8 | 0.8 | 0.8 |
| 147.5° | 8.6 | 5.4 | 2.3 | 1.6 | 0.8 | 0.8 | 0.8 |
| 150° | 6.2 | 3.9 | 2.3 | 0.8 | 0.8 | 0.8 | 0.8 |
| 152.5° | 4.7 | 3.1 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| 155° | 3.1 | 2.3 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| 157.5° | 2.3 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 160° | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 162.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 165° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 167.5° | 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 |
| 172.5° | 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 |
| 177.5° | 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 |

(END OF REPORT)