

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-LD5-18SL-LN-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 (P33519)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

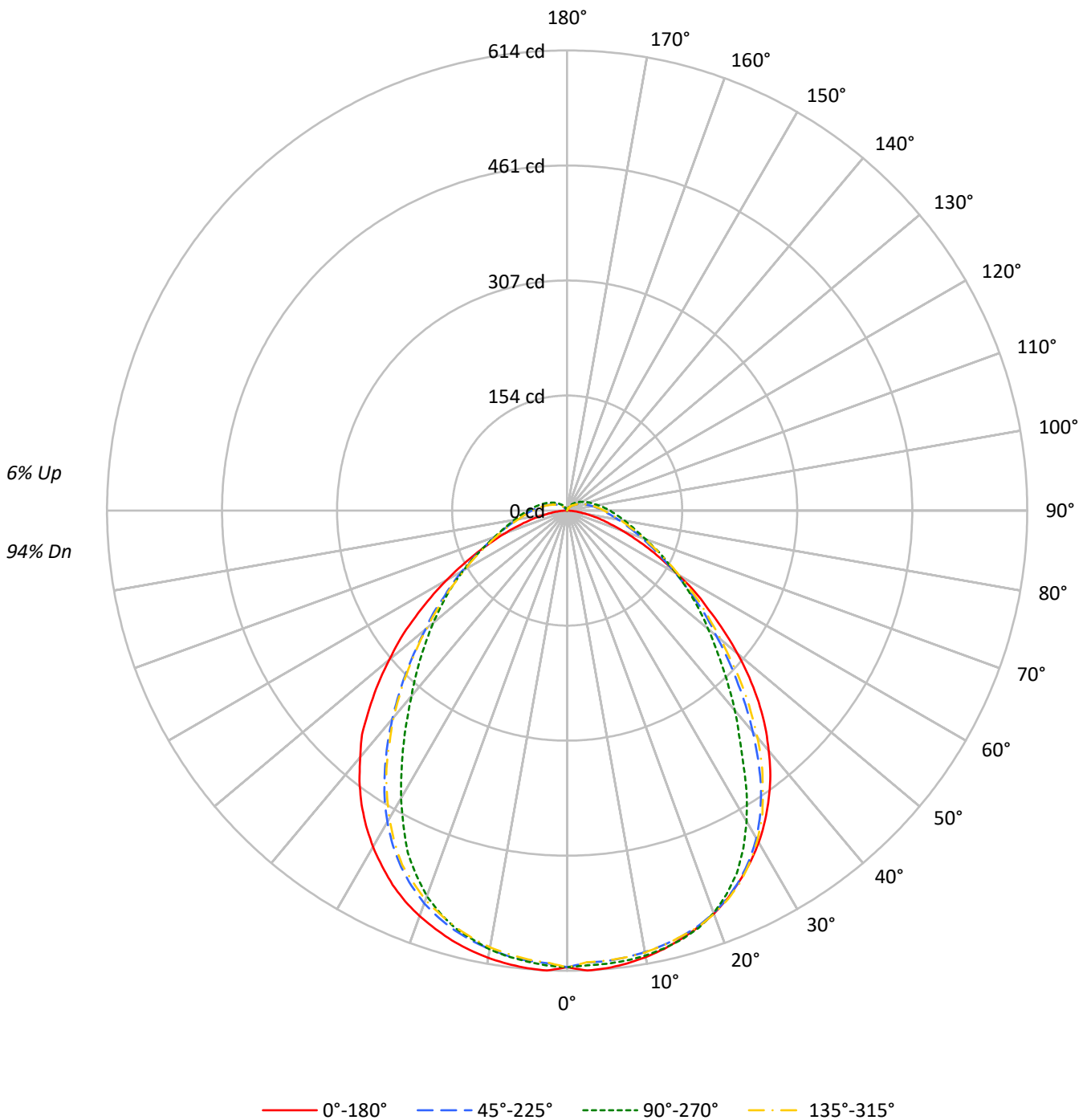
Lumens per Lamp: N/A
Luminaire Lumens: 1542.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 13
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-LD5-18SL-LN-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-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 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 102 | 102 | 102 | 96 | 96 | 96 | 94 | | | | |
| 1 | 107 | 103 | 98 | 95 | 104 | 100 | 96 | 92 | 94 | 91 | 88 | 89 | 87 | 85 | 85 | 83 | 81 | 79 | | | | |
| 2 | 98 | 90 | 84 | 78 | 95 | 88 | 82 | 77 | 83 | 78 | 74 | 79 | 75 | 72 | 75 | 72 | 69 | 67 | | | | |
| 3 | 90 | 80 | 72 | 66 | 87 | 78 | 71 | 65 | 74 | 68 | 63 | 71 | 66 | 61 | 67 | 63 | 60 | 57 | | | | |
| 4 | 83 | 72 | 63 | 57 | 80 | 70 | 62 | 56 | 67 | 60 | 55 | 64 | 58 | 53 | 61 | 56 | 52 | 50 | | | | |
| 5 | 77 | 64 | 56 | 50 | 74 | 63 | 55 | 49 | 60 | 53 | 48 | 58 | 52 | 47 | 55 | 50 | 46 | 44 | | | | |
| 6 | 71 | 58 | 50 | 44 | 69 | 57 | 49 | 43 | 55 | 48 | 42 | 52 | 46 | 42 | 50 | 45 | 41 | 39 | | | | |
| 7 | 66 | 53 | 45 | 39 | 64 | 52 | 44 | 39 | 50 | 43 | 38 | 48 | 42 | 37 | 46 | 41 | 37 | 35 | | | | |
| 8 | 62 | 49 | 41 | 35 | 60 | 48 | 40 | 35 | 46 | 39 | 34 | 44 | 38 | 34 | 43 | 37 | 33 | 31 | | | | |
| 9 | 58 | 45 | 37 | 32 | 56 | 44 | 37 | 31 | 42 | 36 | 31 | 41 | 35 | 30 | 40 | 34 | 30 | 28 | | | | |
| 10 | 54 | 42 | 34 | 29 | 53 | 41 | 34 | 29 | 39 | 33 | 28 | 38 | 32 | 28 | 37 | 31 | 27 | 26 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|------|------|------|------|
| 0° | 4924 | 4924 | 4924 | 4924 |
| 5° | 4959 | 4767 | 4959 | 4746 |
| 10° | 4937 | 4640 | 4945 | 4576 |
| 15° | 4905 | 4502 | 4927 | 4385 |
| 20° | 4867 | 4323 | 4896 | 4141 |
| 25° | 4790 | 4059 | 4842 | 3820 |
| 30° | 4687 | 3670 | 4749 | 3398 |
| 35° | 4530 | 3194 | 4617 | 2974 |
| 40° | 4303 | 2793 | 4417 | 2592 |
| 45° | 4004 | 2429 | 4134 | 2289 |
| 50° | 3595 | 2134 | 3754 | 2026 |
| 55° | 3110 | 1884 | 3335 | 1789 |
| 60° | 2616 | 1654 | 2852 | 1559 |
| 65° | 2143 | 1463 | 2360 | 1356 |
| 70° | 1706 | 1298 | 1910 | 1200 |
| 75° | 1339 | 1199 | 1510 | 1103 |
| 80° | 969 | 1157 | 1138 | 1057 |
| 85° | 594 | 1164 | 799 | 1069 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 57.8 | 3.7 |
| 10°-20° | 165.6 | 10.7 |
| 20°-30° | 245.5 | 15.9 |
| 30°-40° | 272.7 | 17.7 |
| 40°-50° | 247.2 | 16.0 |
| 50°-60° | 191.6 | 12.4 |
| 60°-70° | 130.1 | 8.4 |
| 70°-80° | 82.8 | 5.4 |
| 80°-90° | 52.9 | 3.4 |
| 90°-100° | 35.7 | 2.3 |
| 100°-110° | 24.4 | 1.6 |
| 110°-120° | 16.3 | 1.1 |
| 120°-130° | 10.1 | 0.7 |
| 130°-140° | 5.6 | 0.4 |
| 140°-150° | 2.6 | 0.2 |
| 150°-160° | 1.0 | 0.1 |
| 160°-170° | 0.1 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 468.9 | 30.4 |
| 0°-40° | 741.6 | 48.1 |
| 0°-60° | 1180.4 | 76.6 |
| 0°-90° | 1446.2 | 93.8 |
| 90°-120° | 76.4 | 5.0 |
| 90°-150° | 94.8 | 6.1 |
| 90°-180° | 96.0 | 6.2 |
| 0°-180° | 1542.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 609 | 609 | 609 | 609 | 609 | |
| 5° | 613 | 607 | 613 | 604 | 613 | 58 |
| 15° | 591 | 592 | 594 | 577 | 591 | 167 |
| 25° | 545 | 535 | 551 | 503 | 545 | 251 |
| 35° | 469 | 409 | 478 | 381 | 469 | 293 |
| 45° | 361 | 292 | 373 | 276 | 361 | 277 |
| 55° | 231 | 205 | 247 | 195 | 231 | 208 |
| 65° | 120 | 138 | 132 | 128 | 120 | 120 |
| 75° | 48 | 92 | 54 | 85 | 48 | 52 |
| 85° | 9 | 66 | 12 | 61 | 9 | 10 |
| 90° | 0 | 57 | 1 | 52 | 0 | 1 |
| 95° | 0 | 49 | 0 | 46 | 0 | 0 |
| 105° | 0 | 36 | 0 | 34 | 0 | 0 |
| 115° | 0 | 27 | 0 | 25 | 0 | 0 |
| 125° | 0 | 20 | 0 | 18 | 0 | 0 |
| 135° | 0 | 14 | 0 | 11 | 0 | 0 |
| 145° | 0 | 9 | 0 | 6 | 0 | 0 |
| 155° | 0 | 5 | 0 | 2 | 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: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 |
| 2.5° | 614.3 | 613.7 | 613.0 | 612.0 | 613.0 | 615.7 | 614.0 | 610.3 | 609.6 | 603.6 | 606.3 |
| 5° | 613.0 | 612.0 | 611.3 | 610.3 | 611.7 | 615.0 | 613.3 | 610.0 | 609.0 | 603.3 | 606.3 |
| 7.5° | 609.6 | 609.0 | 608.0 | 608.0 | 609.3 | 612.7 | 611.3 | 607.6 | 607.0 | 601.3 | 604.6 |
| 10° | 605.0 | 604.6 | 603.9 | 603.9 | 605.3 | 609.3 | 607.6 | 604.3 | 603.6 | 598.2 | 601.9 |
| 12.5° | 598.9 | 599.3 | 598.2 | 598.2 | 600.3 | 604.3 | 602.9 | 599.3 | 598.6 | 593.9 | 597.6 |
| 15° | 591.2 | 591.5 | 590.9 | 591.2 | 593.2 | 597.9 | 596.2 | 592.9 | 592.2 | 588.5 | 591.5 |
| 17.5° | 582.5 | 582.8 | 582.8 | 582.5 | 584.8 | 589.5 | 588.2 | 585.2 | 584.2 | 581.2 | 584.8 |
| 20° | 572.4 | 572.4 | 572.4 | 572.4 | 575.1 | 579.8 | 578.1 | 575.8 | 573.8 | 571.4 | 574.5 |
| 22.5° | 560.0 | 559.7 | 560.0 | 561.0 | 563.7 | 567.4 | 566.4 | 563.7 | 560.7 | 559.4 | 561.7 |
| 25° | 545.0 | 546.0 | 546.3 | 547.3 | 550.7 | 553.7 | 552.7 | 550.0 | 545.3 | 544.3 | 545.0 |
| 27.5° | 529.2 | 529.9 | 530.9 | 530.5 | 535.2 | 538.3 | 536.2 | 533.9 | 527.2 | 526.2 | 525.5 |
| 30° | 511.4 | 512.4 | 513.1 | 512.8 | 516.5 | 519.8 | 517.8 | 514.8 | 505.7 | 505.1 | 499.7 |
| 32.5° | 491.3 | 492.3 | 493.0 | 493.0 | 498.4 | 499.7 | 496.0 | 491.7 | 482.0 | 479.6 | 474.9 |
| 35° | 469.2 | 470.2 | 470.6 | 470.6 | 475.9 | 475.6 | 470.9 | 464.9 | 454.1 | 451.1 | 443.1 |
| 37.5° | 445.4 | 446.1 | 446.4 | 448.4 | 450.8 | 448.8 | 442.7 | 435.0 | 427.0 | 418.6 | 409.9 |
| 40° | 418.6 | 419.6 | 420.3 | 421.6 | 424.0 | 421.6 | 412.9 | 403.5 | 394.8 | 385.4 | 376.7 |
| 42.5° | 391.1 | 394.1 | 393.5 | 393.1 | 394.5 | 388.1 | 381.4 | 370.7 | 362.0 | 352.2 | 343.5 |
| 45° | 361.3 | 361.0 | 362.6 | 363.3 | 363.0 | 357.6 | 348.2 | 338.5 | 329.8 | 319.7 | 312.4 |
| 47.5° | 329.8 | 329.5 | 330.8 | 331.5 | 329.5 | 323.8 | 316.4 | 305.3 | 298.0 | 289.2 | 283.5 |
| 50° | 296.6 | 296.6 | 298.6 | 296.6 | 295.6 | 289.9 | 283.9 | 272.8 | 267.1 | 259.4 | 256.1 |
| 52.5° | 263.4 | 266.4 | 264.4 | 263.8 | 262.8 | 257.1 | 252.4 | 243.3 | 238.6 | 235.3 | 231.3 |
| 55° | 230.6 | 233.9 | 232.6 | 231.6 | 231.3 | 226.6 | 222.2 | 215.5 | 212.5 | 210.1 | 207.8 |
| 57.5° | 202.8 | 202.4 | 201.8 | 200.8 | 201.1 | 197.4 | 193.0 | 189.4 | 188.0 | 187.0 | 187.7 |
| 60° | 170.6 | 173.3 | 172.3 | 172.6 | 172.9 | 172.3 | 168.6 | 166.2 | 166.6 | 166.9 | 167.9 |
| 62.5° | 144.1 | 146.5 | 148.1 | 146.8 | 147.5 | 148.5 | 146.5 | 145.8 | 147.1 | 148.5 | 149.8 |
| 65° | 119.6 | 122.0 | 123.7 | 123.3 | 125.3 | 127.4 | 127.0 | 127.7 | 130.7 | 132.4 | 134.1 |
| 67.5° | 97.5 | 99.9 | 102.2 | 102.6 | 105.6 | 108.6 | 109.9 | 112.3 | 115.6 | 118.0 | 120.0 |
| 70° | 78.4 | 80.4 | 83.1 | 84.8 | 88.8 | 92.8 | 95.2 | 99.9 | 101.9 | 105.2 | 106.6 |
| 72.5° | 61.3 | 63.0 | 66.7 | 70.7 | 74.1 | 79.1 | 83.8 | 87.8 | 90.8 | 94.5 | 96.2 |
| 75° | 47.9 | 48.6 | 52.6 | 57.3 | 62.0 | 67.7 | 72.7 | 77.1 | 81.1 | 84.8 | 87.5 |
| 77.5° | 35.2 | 36.2 | 39.9 | 46.3 | 51.6 | 57.6 | 63.3 | 68.0 | 72.4 | 76.1 | 79.8 |
| 80° | 24.5 | 26.5 | 30.5 | 36.9 | 42.9 | 49.6 | 55.0 | 60.3 | 65.0 | 68.7 | 72.4 |
| 82.5° | 15.8 | 17.4 | 23.1 | 29.5 | 35.9 | 42.6 | 48.3 | 53.6 | 58.7 | 62.7 | 66.0 |
| 85° | 8.7 | 11.1 | 16.8 | 23.5 | 29.8 | 36.5 | 42.6 | 47.9 | 53.0 | 56.6 | 60.0 |
| 87.5° | 3.4 | 6.7 | 12.1 | 18.4 | 24.8 | 31.2 | 37.5 | 42.6 | 47.6 | 51.6 | 54.6 |
| 90° | 0.0 | 4.0 | 9.0 | 15.4 | 21.8 | 28.2 | 34.2 | 39.5 | 44.2 | 47.9 | 51.3 |
| 92.5° | 0.3 | 2.7 | 7.0 | 12.4 | 18.4 | 24.5 | 30.2 | 35.5 | 40.2 | 43.9 | 46.9 |
| 95° | 0.3 | 2.0 | 5.7 | 10.7 | 16.1 | 21.8 | 27.1 | 32.2 | 36.5 | 40.2 | 43.2 |
| 97.5° | 0.3 | 1.3 | 4.7 | 9.4 | 14.1 | 19.8 | 24.8 | 29.5 | 33.5 | 37.2 | 39.5 |
| 100° | 0.3 | 1.3 | 4.0 | 8.0 | 12.7 | 17.8 | 22.5 | 27.1 | 30.8 | 33.9 | 36.5 |
| 102.5° | 0.3 | 1.0 | 3.4 | 7.0 | 11.4 | 15.8 | 20.4 | 24.8 | 28.2 | 31.2 | 33.9 |
| 105° | 0.3 | 1.0 | 3.0 | 6.0 | 10.1 | 14.4 | 18.4 | 22.5 | 26.1 | 28.8 | 31.2 |
| 107.5° | 0.3 | 0.7 | 2.7 | 5.0 | 8.7 | 13.1 | 17.1 | 20.4 | 23.8 | 26.5 | 28.8 |
| 110° | 0.3 | 0.7 | 2.3 | 4.7 | 7.7 | 11.7 | 15.4 | 18.8 | 21.8 | 24.5 | 26.5 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| 112.5° | 0.3 | 0.7 | 2.0 | 4.4 | 7.0 | 10.4 | 14.1 | 17.1 | 20.1 | 22.5 | 24.5 |
| 115° | 0.3 | 0.7 | 2.0 | 4.0 | 6.4 | 9.0 | 12.4 | 15.8 | 18.1 | 20.8 | 22.5 |
| 117.5° | 0.3 | 0.7 | 1.7 | 3.4 | 6.0 | 8.4 | 11.4 | 14.1 | 16.8 | 19.1 | 20.8 |
| 120° | 0.3 | 0.7 | 1.7 | 3.0 | 5.4 | 7.7 | 10.1 | 12.7 | 15.4 | 17.1 | 18.8 |
| 122.5° | 0.3 | 0.7 | 1.3 | 3.0 | 4.7 | 7.0 | 9.0 | 11.4 | 13.7 | 15.8 | 17.4 |
| 125° | 0.3 | 0.7 | 1.3 | 2.7 | 4.4 | 6.4 | 8.4 | 10.1 | 12.4 | 14.1 | 15.8 |
| 127.5° | 0.3 | 0.7 | 1.3 | 2.3 | 4.0 | 5.7 | 7.7 | 9.4 | 11.1 | 12.7 | 14.1 |
| 130° | 0.3 | 0.7 | 1.0 | 2.0 | 3.7 | 5.0 | 6.7 | 8.7 | 10.1 | 11.4 | 12.7 |
| 132.5° | 0.3 | 0.7 | 1.0 | 2.0 | 3.0 | 4.4 | 6.0 | 7.7 | 9.0 | 10.4 | 11.4 |
| 135° | 0.3 | 0.7 | 1.0 | 1.7 | 2.7 | 4.0 | 5.0 | 6.7 | 8.0 | 9.4 | 10.4 |
| 137.5° | 0.3 | 0.7 | 1.0 | 1.7 | 2.3 | 3.4 | 4.4 | 5.7 | 7.0 | 8.0 | 9.4 |
| 140° | 0.3 | 0.7 | 1.0 | 1.3 | 2.0 | 3.0 | 4.0 | 4.7 | 6.0 | 7.0 | 8.0 |
| 142.5° | 0.3 | 0.7 | 1.0 | 1.3 | 2.0 | 2.7 | 3.4 | 4.0 | 5.0 | 6.0 | 7.0 |
| 145° | 0.3 | 0.7 | 1.0 | 1.3 | 1.7 | 2.3 | 3.0 | 3.7 | 4.0 | 5.0 | 5.7 |
| 147.5° | 0.3 | 0.7 | 1.0 | 1.3 | 1.3 | 2.0 | 2.7 | 3.0 | 3.7 | 4.0 | 4.7 |
| 150° | 0.3 | 0.7 | 1.0 | 1.0 | 1.3 | 1.7 | 2.3 | 2.7 | 3.0 | 3.7 | 4.0 |
| 152.5° | 0.3 | 0.7 | 1.0 | 1.0 | 1.3 | 1.7 | 2.0 | 2.3 | 2.7 | 3.0 | 3.4 |
| 155° | 0.3 | 0.7 | 1.0 | 1.0 | 1.0 | 1.3 | 1.7 | 2.0 | 2.3 | 2.7 | 3.0 |
| 157.5° | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.3 | 1.3 | 1.7 | 2.0 | 2.0 | 2.3 |
| 160° | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.7 | 1.7 | 2.0 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 |
| 2.5° | 605.6 | 606.6 | 609.6 | 609.6 | 609.0 | 608.3 | 608.3 | 607.3 | 608.0 | 609.3 | 608.6 |
| 5° | 605.6 | 606.6 | 609.6 | 609.6 | 609.0 | 608.3 | 608.0 | 607.0 | 608.0 | 609.3 | 608.6 |
| 7.5° | 603.6 | 605.0 | 608.0 | 608.0 | 607.3 | 607.0 | 606.3 | 605.6 | 606.6 | 608.0 | 607.3 |
| 10° | 600.9 | 602.3 | 605.3 | 605.3 | 604.6 | 604.6 | 603.6 | 602.9 | 604.3 | 605.3 | 605.0 |
| 12.5° | 596.9 | 598.6 | 601.3 | 600.9 | 600.3 | 600.6 | 599.6 | 598.2 | 599.6 | 600.6 | 600.9 |
| 15° | 591.2 | 593.2 | 595.9 | 595.2 | 594.2 | 594.9 | 593.2 | 592.2 | 593.2 | 595.2 | 594.9 |
| 17.5° | 583.8 | 585.2 | 587.2 | 587.2 | 586.2 | 585.5 | 584.8 | 583.8 | 584.5 | 585.8 | 586.2 |
| 20° | 573.4 | 575.1 | 576.1 | 575.1 | 574.8 | 573.8 | 572.4 | 571.4 | 572.8 | 574.8 | 575.1 |
| 22.5° | 559.7 | 560.0 | 562.4 | 560.0 | 558.4 | 558.0 | 556.7 | 554.7 | 556.7 | 558.4 | 558.7 |
| 25° | 542.6 | 544.3 | 543.3 | 539.3 | 539.3 | 536.6 | 535.9 | 534.9 | 535.2 | 538.3 | 539.6 |
| 27.5° | 520.8 | 521.5 | 518.8 | 515.5 | 512.4 | 510.8 | 508.4 | 508.8 | 508.8 | 512.8 | 514.1 |
| 30° | 497.0 | 493.3 | 491.0 | 485.6 | 483.3 | 479.3 | 478.6 | 478.6 | 477.9 | 479.9 | 486.0 |
| 32.5° | 468.5 | 463.5 | 459.8 | 454.8 | 450.8 | 446.8 | 444.7 | 445.8 | 445.4 | 450.4 | 452.5 |
| 35° | 437.4 | 434.4 | 426.7 | 420.3 | 417.9 | 411.9 | 411.9 | 408.9 | 410.9 | 416.6 | 418.9 |
| 37.5° | 404.5 | 399.8 | 393.5 | 386.4 | 384.8 | 380.1 | 378.4 | 376.7 | 381.1 | 382.1 | 384.4 |
| 40° | 371.0 | 366.7 | 360.6 | 353.9 | 353.9 | 348.2 | 348.2 | 348.2 | 348.6 | 350.6 | 354.9 |
| 42.5° | 339.2 | 334.5 | 329.1 | 324.4 | 323.8 | 319.4 | 319.4 | 319.1 | 319.7 | 321.4 | 325.4 |
| 45° | 308.3 | 304.7 | 299.0 | 296.6 | 296.9 | 292.3 | 293.3 | 292.3 | 293.6 | 295.3 | 296.6 |
| 47.5° | 279.9 | 277.5 | 275.2 | 271.8 | 270.8 | 270.5 | 268.8 | 267.5 | 269.8 | 269.8 | 271.8 |
| 50° | 253.4 | 252.0 | 250.7 | 248.7 | 249.0 | 247.7 | 245.7 | 245.7 | 247.3 | 247.7 | 249.0 |
| 52.5° | 230.3 | 228.6 | 226.9 | 227.2 | 227.6 | 226.9 | 225.9 | 224.9 | 225.9 | 226.6 | 228.2 |
| 55° | 207.1 | 205.8 | 207.5 | 206.8 | 207.5 | 206.8 | 206.1 | 205.4 | 207.1 | 206.1 | 207.8 |
| 57.5° | 186.3 | 187.7 | 188.4 | 187.0 | 188.0 | 187.4 | 187.7 | 186.7 | 188.0 | 188.7 | 188.4 |
| 60° | 167.2 | 169.3 | 168.2 | 168.6 | 169.9 | 169.3 | 167.9 | 168.9 | 170.3 | 170.6 | 170.3 |
| 62.5° | 149.8 | 152.2 | 153.2 | 152.5 | 152.8 | 152.2 | 153.2 | 151.8 | 153.5 | 154.2 | 153.2 |
| 65° | 134.1 | 136.7 | 137.4 | 137.4 | 137.4 | 136.7 | 137.7 | 138.1 | 138.8 | 138.8 | 138.1 |
| 67.5° | 120.7 | 123.0 | 123.7 | 124.3 | 123.7 | 123.0 | 123.0 | 123.3 | 124.7 | 125.3 | 124.7 |
| 70° | 108.6 | 110.9 | 111.3 | 111.3 | 111.6 | 112.3 | 110.9 | 111.6 | 112.6 | 112.9 | 112.6 |
| 72.5° | 98.2 | 100.5 | 101.2 | 100.9 | 101.2 | 101.6 | 101.6 | 100.9 | 101.9 | 102.6 | 102.6 |
| 75° | 89.8 | 91.2 | 91.8 | 91.8 | 92.2 | 92.5 | 92.5 | 92.2 | 92.8 | 93.2 | 93.5 |
| 77.5° | 82.1 | 83.1 | 84.1 | 84.1 | 84.5 | 84.1 | 84.8 | 84.8 | 85.1 | 85.5 | 85.8 |
| 80° | 74.4 | 75.7 | 76.4 | 76.8 | 77.4 | 77.8 | 77.8 | 77.8 | 78.1 | 78.4 | 78.4 |
| 82.5° | 68.4 | 69.4 | 70.4 | 71.4 | 71.4 | 71.7 | 71.7 | 71.7 | 72.1 | 72.1 | 72.4 |
| 85° | 62.3 | 63.7 | 64.7 | 65.4 | 65.7 | 66.0 | 66.0 | 66.4 | 66.4 | 66.4 | 66.7 |
| 87.5° | 57.0 | 58.7 | 59.3 | 60.0 | 60.3 | 61.0 | 61.0 | 61.0 | 61.3 | 61.3 | 61.3 |
| 90° | 53.3 | 55.0 | 55.6 | 56.3 | 56.6 | 57.0 | 57.0 | 57.3 | 57.3 | 57.6 | 57.6 |
| 92.5° | 48.9 | 50.6 | 51.9 | 51.9 | 52.3 | 53.0 | 52.6 | 52.6 | 53.0 | 53.3 | 53.3 |
| 95° | 45.6 | 46.9 | 47.9 | 48.3 | 48.6 | 48.6 | 48.6 | 48.9 | 48.6 | 48.9 | 48.9 |
| 97.5° | 41.6 | 42.9 | 43.9 | 44.6 | 44.9 | 44.9 | 44.9 | 45.2 | 44.9 | 45.2 | 45.2 |
| 100° | 38.2 | 39.5 | 40.6 | 40.9 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.9 |
| 102.5° | 35.5 | 36.9 | 37.5 | 37.9 | 38.2 | 38.5 | 38.5 | 38.5 | 38.5 | 38.9 | 38.9 |
| 105° | 32.8 | 34.2 | 34.9 | 35.2 | 35.5 | 35.9 | 35.9 | 35.9 | 36.2 | 36.2 | 35.9 |
| 107.5° | 30.5 | 31.5 | 32.2 | 32.8 | 33.2 | 33.2 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 |
| 110° | 28.2 | 29.2 | 30.2 | 30.8 | 30.8 | 31.2 | 31.2 | 31.5 | 31.5 | 31.2 | 31.5 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 25.8 | 27.1 | 27.8 | 28.5 | 28.8 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 115° | 23.8 | 25.1 | 25.8 | 26.5 | 26.8 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| 117.5° | 22.1 | 23.5 | 24.1 | 24.5 | 24.8 | 25.1 | 25.5 | 25.5 | 25.5 | 25.5 | 25.1 |
| 120° | 20.4 | 21.4 | 22.1 | 22.8 | 23.1 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 |
| 122.5° | 18.8 | 19.8 | 20.4 | 21.1 | 21.4 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 | 21.8 |
| 125° | 17.1 | 18.1 | 18.8 | 19.4 | 19.8 | 20.1 | 20.1 | 20.1 | 20.1 | 20.1 | 20.1 |
| 127.5° | 15.4 | 16.4 | 17.4 | 17.8 | 18.1 | 18.4 | 18.4 | 18.4 | 18.8 | 18.4 | 18.4 |
| 130° | 13.7 | 14.7 | 15.8 | 16.1 | 16.4 | 16.8 | 17.1 | 17.1 | 17.1 | 17.1 | 16.8 |
| 132.5° | 12.4 | 13.4 | 14.1 | 14.4 | 15.1 | 15.1 | 15.4 | 15.4 | 15.4 | 15.4 | 15.1 |
| 135° | 11.4 | 12.1 | 12.7 | 13.1 | 13.7 | 13.7 | 13.7 | 14.1 | 14.1 | 13.7 | 13.4 |
| 137.5° | 10.1 | 10.7 | 11.4 | 11.7 | 12.1 | 12.4 | 12.4 | 12.7 | 12.4 | 12.4 | 12.4 |
| 140° | 9.4 | 9.7 | 10.4 | 10.7 | 11.1 | 11.1 | 11.1 | 11.4 | 11.4 | 11.1 | 11.1 |
| 142.5° | 8.0 | 8.7 | 9.4 | 9.7 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| 145° | 6.7 | 7.7 | 8.0 | 8.7 | 8.7 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.7 |
| 147.5° | 5.7 | 6.4 | 7.4 | 7.7 | 7.7 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 7.7 |
| 150° | 4.4 | 5.0 | 6.0 | 6.7 | 6.7 | 7.0 | 7.0 | 7.0 | 7.0 | 6.7 | 6.7 |
| 152.5° | 3.7 | 4.4 | 4.7 | 5.4 | 5.7 | 5.7 | 5.7 | 6.0 | 5.7 | 5.7 | 5.7 |
| 155° | 3.4 | 3.7 | 4.0 | 4.4 | 4.7 | 5.0 | 5.0 | 5.0 | 5.0 | 4.7 | 4.7 |
| 157.5° | 2.7 | 3.0 | 3.4 | 3.7 | 4.0 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.0 |
| 160° | 2.0 | 2.3 | 2.7 | 2.7 | 3.0 | 3.4 | 3.7 | 3.4 | 3.4 | 3.4 | 3.4 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 |
| 2.5° | 608.0 | 607.6 | 608.6 | 607.0 | 601.9 | 603.3 | 602.6 | 605.6 | 606.3 | 607.0 | 610.0 |
| 5° | 608.0 | 607.6 | 608.3 | 607.0 | 601.6 | 602.6 | 601.9 | 605.0 | 605.6 | 606.0 | 609.0 |
| 7.5° | 606.6 | 606.3 | 607.3 | 605.6 | 599.9 | 601.3 | 600.3 | 603.3 | 603.6 | 603.9 | 606.6 |
| 10° | 603.9 | 603.6 | 604.3 | 602.9 | 597.2 | 598.6 | 597.2 | 600.3 | 600.3 | 600.9 | 602.9 |
| 12.5° | 599.9 | 599.3 | 600.6 | 598.9 | 592.6 | 594.2 | 593.6 | 595.6 | 595.9 | 596.2 | 598.2 |
| 15° | 594.2 | 593.6 | 594.6 | 593.6 | 587.9 | 588.2 | 587.2 | 590.2 | 590.5 | 589.9 | 591.9 |
| 17.5° | 585.8 | 585.2 | 587.2 | 586.5 | 580.8 | 582.2 | 581.8 | 582.5 | 583.5 | 581.8 | 584.5 |
| 20° | 575.5 | 576.1 | 576.8 | 577.1 | 572.8 | 572.8 | 572.4 | 573.8 | 574.8 | 573.4 | 575.5 |
| 22.5° | 560.0 | 561.7 | 563.7 | 564.4 | 561.4 | 561.0 | 563.1 | 562.4 | 563.4 | 562.7 | 564.1 |
| 25° | 540.6 | 544.0 | 546.0 | 548.0 | 546.3 | 547.0 | 550.0 | 550.7 | 550.7 | 550.3 | 551.7 |
| 27.5° | 516.5 | 520.8 | 524.5 | 528.9 | 527.2 | 528.5 | 533.6 | 534.2 | 535.6 | 534.2 | 536.9 |
| 30° | 487.6 | 491.7 | 498.7 | 505.1 | 505.7 | 507.8 | 514.8 | 515.5 | 519.2 | 517.8 | 518.8 |
| 32.5° | 458.8 | 460.8 | 468.9 | 475.2 | 479.3 | 484.3 | 492.0 | 493.3 | 498.4 | 499.4 | 499.4 |
| 35° | 422.6 | 428.3 | 435.7 | 444.7 | 449.8 | 455.1 | 465.5 | 467.5 | 474.9 | 477.3 | 479.9 |
| 37.5° | 392.1 | 397.5 | 402.2 | 411.6 | 420.6 | 426.7 | 435.0 | 440.1 | 447.8 | 452.1 | 455.5 |
| 40° | 359.6 | 364.0 | 369.0 | 378.4 | 386.1 | 395.1 | 403.5 | 409.6 | 419.3 | 424.3 | 428.7 |
| 42.5° | 328.8 | 332.1 | 337.5 | 344.2 | 352.2 | 362.3 | 370.3 | 377.4 | 387.8 | 394.8 | 399.8 |
| 45° | 301.3 | 303.3 | 308.0 | 313.0 | 320.1 | 330.5 | 338.2 | 347.2 | 355.6 | 363.0 | 369.0 |
| 47.5° | 275.5 | 278.2 | 280.5 | 283.9 | 290.2 | 296.6 | 305.7 | 314.4 | 322.8 | 330.8 | 336.8 |
| 50° | 251.7 | 251.7 | 255.4 | 257.7 | 262.1 | 267.8 | 274.8 | 280.9 | 291.2 | 296.9 | 304.7 |
| 52.5° | 228.6 | 229.9 | 231.9 | 233.3 | 236.6 | 240.3 | 246.0 | 251.0 | 259.7 | 265.1 | 272.5 |
| 55° | 208.1 | 209.5 | 210.5 | 211.1 | 213.2 | 217.5 | 219.5 | 223.5 | 229.6 | 233.9 | 240.3 |
| 57.5° | 188.7 | 189.4 | 190.4 | 190.7 | 191.0 | 193.7 | 195.4 | 196.4 | 202.4 | 206.8 | 212.2 |
| 60° | 170.9 | 170.9 | 171.9 | 171.6 | 171.3 | 172.6 | 172.3 | 173.3 | 177.0 | 179.6 | 182.0 |
| 62.5° | 154.2 | 154.2 | 154.5 | 153.8 | 153.5 | 153.5 | 152.2 | 153.2 | 154.2 | 154.5 | 156.2 |
| 65° | 138.8 | 140.4 | 139.1 | 139.4 | 137.4 | 136.7 | 136.1 | 134.1 | 133.7 | 132.4 | 133.1 |
| 67.5° | 125.0 | 126.4 | 125.0 | 125.0 | 123.3 | 122.0 | 120.3 | 117.0 | 116.0 | 113.3 | 112.6 |
| 70° | 114.0 | 112.9 | 113.6 | 112.6 | 110.6 | 108.9 | 106.6 | 103.9 | 100.5 | 97.2 | 94.8 |
| 72.5° | 103.2 | 103.2 | 102.6 | 101.6 | 100.5 | 97.2 | 94.5 | 91.5 | 87.5 | 83.1 | 79.8 |
| 75° | 92.8 | 93.2 | 93.2 | 92.2 | 90.5 | 87.5 | 84.5 | 80.1 | 75.7 | 70.7 | 66.4 |
| 77.5° | 85.5 | 85.5 | 85.5 | 83.8 | 82.1 | 79.4 | 75.7 | 71.1 | 66.4 | 60.3 | 55.3 |
| 80° | 78.4 | 78.1 | 78.1 | 76.1 | 74.4 | 71.4 | 67.7 | 63.0 | 58.0 | 51.6 | 45.9 |
| 82.5° | 72.7 | 72.4 | 71.7 | 70.0 | 67.7 | 64.7 | 61.0 | 56.0 | 50.6 | 44.9 | 37.9 |
| 85° | 66.7 | 66.4 | 65.7 | 64.0 | 61.7 | 59.0 | 55.0 | 49.9 | 44.6 | 38.2 | 31.5 |
| 87.5° | 61.3 | 61.0 | 60.0 | 59.0 | 56.3 | 53.3 | 49.3 | 44.6 | 38.9 | 32.8 | 26.1 |
| 90° | 57.6 | 57.0 | 56.3 | 55.0 | 52.6 | 49.3 | 45.2 | 40.2 | 34.5 | 28.5 | 21.8 |
| 92.5° | 53.3 | 53.0 | 51.9 | 50.6 | 48.6 | 45.2 | 41.2 | 36.5 | 30.8 | 25.1 | 18.8 |
| 95° | 48.9 | 48.6 | 47.9 | 46.6 | 44.6 | 41.6 | 37.9 | 33.2 | 27.8 | 22.1 | 16.4 |
| 97.5° | 44.9 | 44.9 | 43.9 | 42.9 | 40.6 | 38.2 | 34.5 | 30.2 | 25.1 | 20.1 | 14.7 |
| 100° | 41.6 | 41.6 | 40.6 | 39.2 | 37.5 | 35.2 | 31.5 | 27.5 | 22.8 | 18.1 | 12.7 |
| 102.5° | 38.5 | 38.2 | 37.5 | 36.2 | 34.5 | 32.2 | 28.8 | 25.1 | 20.8 | 16.1 | 11.4 |
| 105° | 35.9 | 35.5 | 34.9 | 33.5 | 32.2 | 29.5 | 26.8 | 23.1 | 18.8 | 14.4 | 10.1 |
| 107.5° | 33.2 | 32.8 | 32.5 | 31.2 | 29.5 | 27.1 | 24.5 | 20.8 | 17.1 | 13.1 | 9.0 |
| 110° | 30.8 | 30.5 | 29.8 | 28.5 | 26.8 | 24.8 | 22.1 | 19.1 | 15.4 | 11.7 | 8.0 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 28.8 | 28.5 | 27.8 | 26.5 | 25.1 | 22.8 | 20.4 | 17.1 | 14.1 | 10.7 | 7.0 |
| 115° | 26.8 | 26.5 | 25.8 | 24.5 | 22.8 | 20.8 | 18.4 | 15.8 | 12.4 | 9.4 | 6.4 |
| 117.5° | 24.8 | 24.5 | 23.8 | 22.8 | 21.1 | 19.1 | 16.8 | 14.1 | 11.1 | 8.7 | 5.7 |
| 120° | 23.1 | 22.5 | 21.8 | 20.8 | 19.1 | 17.4 | 15.1 | 12.7 | 10.1 | 7.7 | 5.0 |
| 122.5° | 21.4 | 20.8 | 20.1 | 19.1 | 17.4 | 15.8 | 13.4 | 11.4 | 9.4 | 7.0 | 4.7 |
| 125° | 19.4 | 19.1 | 18.4 | 17.4 | 15.8 | 14.1 | 12.4 | 10.4 | 8.4 | 6.4 | 4.0 |
| 127.5° | 17.8 | 17.4 | 16.8 | 15.4 | 14.1 | 12.7 | 11.1 | 9.4 | 7.4 | 5.4 | 3.7 |
| 130° | 16.4 | 15.8 | 15.1 | 14.1 | 13.1 | 11.7 | 10.1 | 8.4 | 6.7 | 4.7 | 3.4 |
| 132.5° | 14.7 | 14.1 | 13.4 | 12.7 | 11.7 | 10.4 | 9.0 | 7.4 | 6.0 | 4.4 | 3.0 |
| 135° | 13.4 | 12.7 | 12.1 | 11.4 | 10.4 | 9.4 | 8.0 | 6.7 | 5.4 | 4.0 | 2.7 |
| 137.5° | 11.7 | 11.4 | 11.1 | 10.4 | 9.4 | 8.4 | 7.4 | 5.7 | 4.7 | 3.7 | 2.3 |
| 140° | 10.7 | 10.4 | 10.1 | 9.0 | 8.4 | 7.4 | 6.4 | 5.0 | 4.0 | 3.0 | 2.0 |
| 142.5° | 9.7 | 9.4 | 8.7 | 8.0 | 7.4 | 6.7 | 5.4 | 4.7 | 3.7 | 2.7 | 2.0 |
| 145° | 8.4 | 8.0 | 7.7 | 7.0 | 6.4 | 5.4 | 4.7 | 4.0 | 3.4 | 2.3 | 1.7 |
| 147.5° | 7.7 | 7.4 | 6.7 | 6.0 | 5.4 | 4.7 | 4.4 | 3.7 | 2.7 | 2.0 | 1.3 |
| 150° | 6.4 | 6.0 | 5.7 | 5.0 | 4.7 | 4.4 | 3.7 | 3.0 | 2.3 | 1.7 | 1.3 |
| 152.5° | 5.4 | 5.0 | 4.7 | 4.7 | 4.0 | 3.7 | 3.0 | 2.7 | 2.0 | 1.7 | 1.0 |
| 155° | 4.7 | 4.7 | 4.4 | 4.0 | 3.4 | 3.0 | 2.7 | 2.0 | 1.7 | 1.3 | 1.0 |
| 157.5° | 4.0 | 3.7 | 3.4 | 3.4 | 3.0 | 2.7 | 2.0 | 1.7 | 1.3 | 1.3 | 1.0 |
| 160° | 3.4 | 3.0 | 3.0 | 2.7 | 2.3 | 2.0 | 1.7 | 1.7 | 1.3 | 1.0 | 1.0 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 |
| 2.5° | 610.3 | 606.6 | 610.0 | 614.3 | 614.3 | 613.7 | 613.0 | 614.3 | 617.7 | 616.3 | 612.3 |
| 5° | 609.3 | 605.6 | 608.6 | 613.0 | 613.0 | 612.0 | 611.3 | 612.3 | 616.0 | 614.3 | 610.6 |
| 7.5° | 607.3 | 603.9 | 606.0 | 610.0 | 610.0 | 609.0 | 608.3 | 609.6 | 612.7 | 611.0 | 607.0 |
| 10° | 603.6 | 599.9 | 602.3 | 606.0 | 605.6 | 605.0 | 603.9 | 605.6 | 608.3 | 606.0 | 601.3 |
| 12.5° | 598.9 | 595.2 | 597.2 | 600.6 | 600.3 | 598.9 | 598.2 | 599.3 | 601.6 | 600.3 | 595.2 |
| 15° | 592.6 | 588.9 | 590.5 | 593.9 | 592.9 | 591.9 | 590.5 | 590.9 | 593.9 | 591.5 | 586.2 |
| 17.5° | 584.8 | 580.8 | 582.2 | 585.2 | 584.2 | 583.2 | 581.5 | 581.8 | 585.2 | 581.8 | 576.1 |
| 20° | 575.5 | 571.1 | 572.1 | 575.8 | 574.1 | 572.4 | 570.8 | 570.8 | 574.1 | 570.4 | 564.1 |
| 22.5° | 565.4 | 561.0 | 561.7 | 564.4 | 563.1 | 560.0 | 558.4 | 559.4 | 561.0 | 556.4 | 549.7 |
| 25° | 553.0 | 547.3 | 548.3 | 551.0 | 550.0 | 546.0 | 544.3 | 545.0 | 544.3 | 540.6 | 533.6 |
| 27.5° | 538.6 | 532.6 | 533.2 | 534.9 | 533.6 | 529.9 | 527.9 | 528.2 | 526.9 | 522.2 | 514.1 |
| 30° | 520.5 | 517.5 | 517.1 | 518.1 | 516.1 | 512.4 | 510.1 | 509.4 | 509.1 | 502.4 | 492.7 |
| 32.5° | 502.1 | 499.4 | 497.7 | 499.0 | 496.7 | 493.0 | 489.0 | 489.0 | 485.6 | 479.3 | 470.9 |
| 35° | 483.3 | 478.9 | 477.3 | 478.3 | 475.6 | 470.9 | 467.5 | 465.9 | 460.8 | 452.8 | 443.7 |
| 37.5° | 459.2 | 456.1 | 454.1 | 455.1 | 452.1 | 448.8 | 442.4 | 440.7 | 435.4 | 424.3 | 412.9 |
| 40° | 433.0 | 430.7 | 428.7 | 429.7 | 426.3 | 421.3 | 415.6 | 412.9 | 406.9 | 394.5 | 385.4 |
| 42.5° | 404.9 | 403.9 | 401.5 | 405.2 | 398.5 | 393.5 | 387.8 | 383.4 | 377.4 | 364.0 | 353.6 |
| 45° | 375.0 | 377.4 | 372.0 | 373.0 | 368.7 | 364.3 | 358.3 | 351.9 | 345.9 | 333.1 | 321.4 |
| 47.5° | 343.5 | 345.2 | 341.5 | 342.2 | 337.5 | 333.5 | 328.1 | 320.1 | 313.4 | 302.3 | 291.9 |
| 50° | 311.0 | 310.4 | 310.4 | 309.7 | 306.0 | 301.0 | 295.6 | 288.2 | 281.5 | 271.5 | 262.8 |
| 52.5° | 276.5 | 277.8 | 278.5 | 280.2 | 275.5 | 272.5 | 264.1 | 257.7 | 252.7 | 242.3 | 234.9 |
| 55° | 243.3 | 248.0 | 246.7 | 247.3 | 242.0 | 239.6 | 232.9 | 227.9 | 220.5 | 214.5 | 209.8 |
| 57.5° | 213.2 | 214.2 | 214.8 | 215.8 | 213.5 | 208.8 | 203.4 | 199.4 | 193.7 | 188.7 | 185.3 |
| 60° | 184.0 | 184.0 | 184.3 | 186.0 | 183.7 | 179.6 | 175.6 | 172.6 | 168.6 | 165.6 | 163.6 |
| 62.5° | 156.5 | 158.9 | 159.2 | 157.9 | 154.8 | 152.8 | 150.1 | 148.5 | 145.8 | 144.8 | 144.1 |
| 65° | 131.0 | 131.0 | 131.0 | 131.7 | 130.0 | 128.7 | 127.0 | 126.7 | 127.7 | 126.4 | 127.0 |
| 67.5° | 109.6 | 108.6 | 107.9 | 108.3 | 107.6 | 106.9 | 106.6 | 107.6 | 109.6 | 109.6 | 111.3 |
| 70° | 91.2 | 89.2 | 87.8 | 87.8 | 87.8 | 88.1 | 89.2 | 91.2 | 94.5 | 95.9 | 98.2 |
| 72.5° | 76.1 | 71.7 | 69.7 | 69.7 | 70.0 | 71.4 | 74.4 | 78.1 | 81.1 | 83.8 | 86.8 |
| 75° | 61.7 | 57.3 | 54.3 | 54.0 | 54.6 | 56.6 | 61.0 | 64.3 | 69.4 | 73.1 | 76.8 |
| 77.5° | 49.9 | 44.6 | 40.9 | 40.6 | 41.6 | 44.6 | 49.9 | 54.3 | 60.0 | 64.0 | 68.0 |
| 80° | 39.9 | 33.9 | 30.8 | 28.8 | 30.5 | 34.2 | 40.2 | 45.6 | 50.9 | 56.3 | 61.3 |
| 82.5° | 31.8 | 26.1 | 21.4 | 19.4 | 21.4 | 26.5 | 32.2 | 38.5 | 43.9 | 49.6 | 54.6 |
| 85° | 25.1 | 19.1 | 13.7 | 11.7 | 14.1 | 19.4 | 25.8 | 32.2 | 38.2 | 43.9 | 48.9 |
| 87.5° | 19.8 | 13.7 | 8.4 | 5.7 | 8.7 | 14.4 | 20.4 | 26.8 | 33.2 | 38.9 | 43.9 |
| 90° | 15.4 | 9.7 | 4.7 | 0.7 | 5.0 | 10.4 | 16.4 | 22.5 | 28.8 | 34.5 | 39.5 |
| 92.5° | 13.1 | 7.4 | 2.7 | 0.0 | 3.0 | 7.7 | 13.4 | 19.4 | 25.1 | 30.8 | 35.9 |
| 95° | 11.1 | 6.0 | 2.0 | 0.0 | 2.0 | 6.0 | 11.1 | 16.4 | 22.1 | 27.8 | 32.8 |
| 97.5° | 9.4 | 4.7 | 1.3 | 0.0 | 1.3 | 4.7 | 9.0 | 14.4 | 19.4 | 24.8 | 29.5 |
| 100° | 8.0 | 4.0 | 1.0 | 0.0 | 1.0 | 3.7 | 7.7 | 12.4 | 17.4 | 22.5 | 26.8 |
| 102.5° | 7.0 | 3.4 | 0.7 | 0.0 | 0.7 | 3.0 | 6.4 | 10.7 | 15.1 | 19.8 | 24.1 |
| 105° | 6.0 | 2.7 | 0.7 | 0.0 | 0.3 | 2.3 | 5.4 | 9.4 | 13.4 | 17.8 | 21.8 |
| 107.5° | 5.4 | 2.3 | 0.7 | 0.0 | 0.3 | 2.0 | 4.7 | 8.0 | 12.1 | 15.8 | 19.4 |
| 110° | 4.7 | 2.0 | 0.7 | 0.0 | 0.3 | 1.3 | 4.0 | 7.0 | 10.4 | 14.1 | 17.8 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 4.0 | 1.7 | 0.3 | 0.0 | 0.0 | 1.0 | 3.4 | 6.0 | 9.0 | 12.7 | 15.8 |
| 115° | 3.7 | 1.7 | 0.3 | 0.0 | 0.0 | 0.7 | 2.7 | 5.4 | 8.0 | 11.4 | 14.1 |
| 117.5° | 3.4 | 1.3 | 0.3 | 0.0 | 0.3 | 0.7 | 2.3 | 4.7 | 7.0 | 9.7 | 12.7 |
| 120° | 3.0 | 1.3 | 0.3 | 0.0 | 0.3 | 0.3 | 1.7 | 4.0 | 6.0 | 8.7 | 11.1 |
| 122.5° | 2.7 | 1.3 | 0.3 | 0.0 | 0.3 | 0.3 | 1.3 | 3.4 | 5.4 | 7.7 | 9.7 |
| 125° | 2.3 | 1.0 | 0.7 | 0.3 | 0.3 | 0.3 | 1.0 | 2.7 | 4.7 | 6.4 | 8.7 |
| 127.5° | 2.3 | 1.0 | 0.7 | 0.3 | 0.3 | 0.3 | 0.7 | 2.3 | 3.7 | 5.7 | 7.7 |
| 130° | 2.0 | 1.0 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 1.7 | 3.4 | 4.7 | 6.4 |
| 132.5° | 1.7 | 1.0 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 1.0 | 2.3 | 4.0 | 5.4 |
| 135° | 1.7 | 1.0 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 1.7 | 3.0 | 4.4 |
| 137.5° | 1.3 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.3 | 2.3 | 3.4 |
| 140° | 1.3 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 1.0 | 1.7 | 2.7 |
| 142.5° | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 1.3 | 2.0 |
| 145° | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 1.3 |
| 147.5° | 1.0 | 1.0 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 1.0 |
| 150° | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 |
| 152.5° | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 |
| 155° | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 |
| 157.5° | 1.0 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 |
| 160° | 1.0 | 0.7 | 0.7 | 0.3 | 0.7 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 |
| 2.5° | 611.0 | 604.6 | 608.0 | 607.0 | 608.3 | 611.0 | 610.6 | 610.0 | 610.0 | 609.0 | 607.6 |
| 5° | 609.0 | 602.9 | 606.0 | 604.3 | 606.0 | 608.3 | 608.0 | 607.0 | 607.6 | 606.0 | 604.3 |
| 7.5° | 605.0 | 599.6 | 602.3 | 600.9 | 602.3 | 604.6 | 603.6 | 603.3 | 603.9 | 601.3 | 600.3 |
| 10° | 600.3 | 594.2 | 597.2 | 595.6 | 597.2 | 598.9 | 598.2 | 596.9 | 598.2 | 595.6 | 594.6 |
| 12.5° | 592.9 | 587.9 | 589.9 | 589.2 | 590.2 | 591.9 | 590.5 | 589.5 | 590.2 | 587.9 | 585.8 |
| 15° | 584.8 | 579.8 | 581.5 | 580.5 | 581.2 | 583.2 | 580.8 | 580.5 | 579.8 | 577.5 | 576.8 |
| 17.5° | 574.5 | 569.8 | 571.4 | 569.8 | 570.8 | 570.1 | 569.8 | 568.1 | 568.1 | 565.4 | 563.4 |
| 20° | 561.7 | 557.7 | 556.7 | 555.3 | 556.7 | 555.3 | 553.3 | 552.0 | 551.7 | 549.0 | 547.3 |
| 22.5° | 547.0 | 542.3 | 542.9 | 539.3 | 539.6 | 537.6 | 534.2 | 532.9 | 531.6 | 528.5 | 526.2 |
| 25° | 529.2 | 524.5 | 521.2 | 518.8 | 515.8 | 515.5 | 511.1 | 507.8 | 507.4 | 503.7 | 503.4 |
| 27.5° | 509.1 | 503.7 | 501.1 | 495.4 | 491.7 | 488.7 | 485.0 | 481.6 | 479.9 | 475.9 | 473.2 |
| 30° | 486.0 | 479.9 | 473.2 | 469.2 | 463.5 | 461.2 | 454.8 | 450.8 | 449.4 | 445.1 | 443.1 |
| 32.5° | 459.8 | 453.5 | 448.1 | 440.4 | 434.0 | 430.7 | 424.3 | 420.3 | 418.6 | 413.9 | 411.2 |
| 35° | 431.3 | 424.3 | 417.9 | 410.6 | 405.5 | 399.8 | 392.1 | 388.1 | 384.4 | 382.7 | 380.7 |
| 37.5° | 401.5 | 393.8 | 386.4 | 379.1 | 374.7 | 368.0 | 361.3 | 358.6 | 354.3 | 352.6 | 350.6 |
| 40° | 370.7 | 363.0 | 355.9 | 348.9 | 343.9 | 337.8 | 331.8 | 330.8 | 326.1 | 324.4 | 323.1 |
| 42.5° | 340.2 | 332.1 | 324.1 | 319.1 | 315.4 | 309.3 | 305.3 | 304.3 | 300.3 | 299.3 | 299.3 |
| 45° | 312.7 | 302.6 | 295.9 | 291.6 | 288.6 | 283.5 | 280.2 | 279.5 | 276.2 | 275.5 | 275.5 |
| 47.5° | 283.2 | 273.8 | 268.8 | 266.1 | 263.4 | 259.7 | 257.7 | 257.7 | 254.4 | 253.7 | 253.4 |
| 50° | 255.7 | 247.0 | 243.3 | 240.6 | 240.3 | 237.6 | 235.9 | 235.3 | 235.3 | 232.9 | 233.3 |
| 52.5° | 229.6 | 225.2 | 222.2 | 220.5 | 218.5 | 216.8 | 215.5 | 215.5 | 214.5 | 212.8 | 213.5 |
| 55° | 205.4 | 200.4 | 200.8 | 199.4 | 198.4 | 197.4 | 197.7 | 195.7 | 195.4 | 194.1 | 195.1 |
| 57.5° | 181.3 | 181.3 | 180.6 | 179.6 | 178.0 | 178.6 | 178.6 | 178.6 | 177.0 | 176.0 | 177.0 |
| 60° | 160.9 | 161.9 | 160.2 | 161.2 | 160.5 | 160.9 | 160.2 | 160.2 | 159.2 | 158.9 | 159.2 |
| 62.5° | 142.8 | 144.5 | 143.8 | 145.1 | 144.5 | 144.8 | 145.5 | 144.1 | 143.4 | 142.8 | 143.4 |
| 65° | 126.7 | 128.7 | 128.4 | 129.4 | 129.7 | 130.0 | 130.4 | 129.7 | 129.0 | 128.4 | 128.0 |
| 67.5° | 112.6 | 114.6 | 116.0 | 116.3 | 116.6 | 117.6 | 117.3 | 116.6 | 116.0 | 115.0 | 114.6 |
| 70° | 99.9 | 102.6 | 104.2 | 104.9 | 106.2 | 105.6 | 105.6 | 105.2 | 104.6 | 103.6 | 103.2 |
| 72.5° | 89.2 | 92.2 | 93.8 | 94.5 | 95.9 | 95.9 | 95.5 | 95.2 | 94.5 | 93.5 | 93.2 |
| 75° | 79.8 | 82.4 | 84.8 | 86.1 | 87.1 | 87.1 | 86.8 | 86.5 | 85.8 | 85.1 | 84.8 |
| 77.5° | 72.4 | 74.7 | 76.8 | 78.4 | 79.1 | 79.4 | 79.1 | 78.4 | 78.4 | 78.1 | 77.8 |
| 80° | 65.0 | 67.7 | 69.7 | 71.4 | 72.4 | 72.4 | 72.1 | 72.4 | 71.7 | 71.4 | 71.1 |
| 82.5° | 58.7 | 61.7 | 64.0 | 65.7 | 66.4 | 66.7 | 66.4 | 66.7 | 66.0 | 66.0 | 66.0 |
| 85° | 53.0 | 56.0 | 58.7 | 60.0 | 61.0 | 61.3 | 61.3 | 61.3 | 61.0 | 61.0 | 61.0 |
| 87.5° | 48.3 | 51.3 | 54.0 | 55.3 | 56.3 | 56.6 | 56.6 | 57.0 | 56.3 | 56.3 | 56.3 |
| 90° | 43.9 | 46.9 | 49.6 | 50.9 | 51.9 | 52.6 | 52.6 | 53.0 | 52.6 | 52.3 | 52.3 |
| 92.5° | 39.9 | 43.2 | 45.9 | 47.3 | 48.3 | 49.3 | 49.3 | 49.6 | 48.9 | 48.9 | 48.9 |
| 95° | 36.5 | 39.9 | 42.2 | 43.9 | 44.9 | 45.6 | 45.9 | 45.9 | 45.6 | 45.6 | 45.6 |
| 97.5° | 33.5 | 36.5 | 38.9 | 40.6 | 41.6 | 41.9 | 42.2 | 42.6 | 42.2 | 42.2 | 42.2 |
| 100° | 30.5 | 33.5 | 35.9 | 37.2 | 38.5 | 38.9 | 39.2 | 39.5 | 39.5 | 39.2 | 39.2 |
| 102.5° | 27.8 | 30.8 | 32.8 | 34.5 | 35.5 | 36.2 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| 105° | 25.1 | 28.2 | 30.2 | 31.8 | 32.8 | 33.5 | 33.9 | 34.2 | 34.2 | 33.9 | 33.9 |
| 107.5° | 22.8 | 25.5 | 27.8 | 29.2 | 30.5 | 31.2 | 31.5 | 31.5 | 31.8 | 31.5 | 31.5 |
| 110° | 20.4 | 23.5 | 25.5 | 26.8 | 28.2 | 28.8 | 29.2 | 29.5 | 29.5 | 29.5 | 29.5 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 18.8 | 21.1 | 23.1 | 24.5 | 25.8 | 26.5 | 26.8 | 27.1 | 27.5 | 27.1 | 27.1 |
| 115° | 16.8 | 19.1 | 21.1 | 22.5 | 23.5 | 24.1 | 24.8 | 25.1 | 25.1 | 25.5 | 25.1 |
| 117.5° | 15.1 | 17.1 | 19.1 | 20.4 | 21.4 | 22.5 | 22.8 | 23.1 | 23.5 | 23.1 | 23.1 |
| 120° | 13.4 | 15.4 | 17.1 | 18.4 | 19.4 | 20.4 | 20.8 | 21.1 | 21.4 | 21.1 | 21.1 |
| 122.5° | 12.1 | 13.7 | 15.4 | 16.8 | 17.8 | 18.4 | 19.1 | 19.1 | 19.4 | 19.4 | 19.4 |
| 125° | 10.7 | 12.4 | 13.7 | 15.1 | 16.1 | 16.8 | 17.1 | 17.4 | 17.4 | 17.8 | 17.8 |
| 127.5° | 9.4 | 10.7 | 12.4 | 13.4 | 14.4 | 15.1 | 15.4 | 15.8 | 15.8 | 16.1 | 16.1 |
| 130° | 8.0 | 9.4 | 10.7 | 11.7 | 12.7 | 13.4 | 13.7 | 14.1 | 14.4 | 14.4 | 14.4 |
| 132.5° | 7.0 | 8.4 | 9.4 | 10.4 | 11.1 | 11.7 | 12.4 | 12.7 | 12.7 | 12.7 | 12.7 |
| 135° | 5.7 | 7.0 | 8.0 | 9.0 | 9.7 | 10.4 | 10.7 | 11.4 | 11.4 | 11.4 | 11.4 |
| 137.5° | 4.7 | 6.0 | 7.0 | 7.7 | 8.4 | 9.0 | 9.4 | 9.7 | 10.1 | 10.1 | 10.1 |
| 140° | 3.7 | 4.7 | 5.7 | 6.7 | 7.4 | 7.7 | 8.4 | 8.4 | 8.7 | 8.7 | 8.7 |
| 142.5° | 2.7 | 3.7 | 4.4 | 5.4 | 6.0 | 6.7 | 7.0 | 7.4 | 7.4 | 7.4 | 7.4 |
| 145° | 2.0 | 2.7 | 3.4 | 4.0 | 5.0 | 5.4 | 5.7 | 6.0 | 6.4 | 6.4 | 6.4 |
| 147.5° | 1.3 | 2.0 | 2.3 | 3.0 | 3.7 | 4.4 | 4.7 | 5.0 | 5.4 | 5.4 | 5.4 |
| 150° | 1.0 | 1.3 | 2.0 | 2.3 | 2.7 | 3.4 | 4.0 | 4.0 | 4.4 | 4.4 | 4.0 |
| 152.5° | 0.7 | 1.0 | 1.3 | 1.7 | 2.0 | 2.3 | 3.0 | 3.0 | 3.4 | 3.4 | 3.4 |
| 155° | 0.7 | 0.7 | 0.7 | 1.0 | 1.3 | 1.7 | 2.0 | 2.3 | 2.3 | 2.3 | 2.3 |
| 157.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 | 1.3 | 1.7 | 1.7 | 1.7 | 1.7 |
| 160° | 0.7 | 0.7 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.0 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 |
| 2.5° | 608.6 | 609.3 | 609.3 | 608.6 | 608.3 | 609.6 | 608.0 | 601.6 | 603.6 | 604.3 | 606.3 |
| 5° | 605.6 | 606.3 | 606.3 | 606.3 | 605.6 | 607.0 | 605.3 | 598.9 | 601.3 | 602.3 | 603.6 |
| 7.5° | 601.3 | 601.6 | 602.3 | 601.9 | 601.3 | 603.3 | 601.6 | 595.2 | 596.9 | 598.6 | 600.3 |
| 10° | 595.6 | 595.6 | 595.9 | 596.6 | 595.9 | 597.6 | 595.9 | 590.2 | 591.9 | 592.9 | 594.9 |
| 12.5° | 587.9 | 588.5 | 588.9 | 588.5 | 588.2 | 589.5 | 588.9 | 583.5 | 584.2 | 586.2 | 588.2 |
| 15° | 577.5 | 577.5 | 579.1 | 578.5 | 578.5 | 579.8 | 580.5 | 574.5 | 575.5 | 578.5 | 580.5 |
| 17.5° | 564.7 | 565.1 | 566.4 | 567.1 | 566.7 | 569.1 | 569.4 | 564.7 | 564.4 | 568.1 | 570.1 |
| 20° | 548.3 | 549.0 | 550.7 | 552.0 | 552.0 | 554.7 | 555.7 | 552.7 | 553.0 | 557.0 | 557.7 |
| 22.5° | 528.2 | 528.2 | 531.2 | 533.2 | 534.9 | 536.6 | 539.6 | 536.9 | 536.9 | 542.3 | 545.3 |
| 25° | 503.4 | 505.7 | 506.8 | 510.8 | 513.1 | 517.8 | 520.5 | 520.8 | 521.2 | 526.2 | 528.2 |
| 27.5° | 475.9 | 476.6 | 479.6 | 484.3 | 487.0 | 491.3 | 496.4 | 497.4 | 499.0 | 505.7 | 508.8 |
| 30° | 444.7 | 446.8 | 448.1 | 454.8 | 458.5 | 464.2 | 470.6 | 472.9 | 474.2 | 483.3 | 487.0 |
| 32.5° | 412.9 | 413.6 | 419.3 | 423.0 | 427.3 | 433.4 | 440.7 | 445.1 | 447.8 | 457.1 | 462.5 |
| 35° | 381.1 | 382.4 | 387.1 | 391.8 | 396.2 | 402.2 | 409.9 | 415.9 | 420.6 | 429.0 | 436.0 |
| 37.5° | 351.9 | 355.3 | 356.3 | 361.0 | 364.3 | 370.3 | 375.7 | 384.4 | 389.1 | 397.8 | 406.9 |
| 40° | 325.8 | 326.8 | 327.4 | 332.1 | 334.5 | 340.2 | 347.9 | 353.6 | 360.0 | 366.3 | 377.0 |
| 42.5° | 300.0 | 300.6 | 301.6 | 304.3 | 307.0 | 311.0 | 316.7 | 322.4 | 329.1 | 338.5 | 345.5 |
| 45° | 276.2 | 276.8 | 277.5 | 279.2 | 281.5 | 285.2 | 288.9 | 292.9 | 299.6 | 307.7 | 315.0 |
| 47.5° | 254.0 | 255.4 | 255.4 | 255.7 | 257.4 | 260.4 | 263.1 | 268.1 | 271.8 | 276.2 | 284.5 |
| 50° | 232.9 | 233.9 | 234.3 | 234.3 | 235.3 | 237.3 | 238.0 | 241.3 | 244.7 | 248.7 | 254.7 |
| 52.5° | 213.2 | 213.2 | 212.8 | 214.2 | 214.2 | 215.5 | 215.8 | 217.8 | 220.2 | 224.6 | 227.2 |
| 55° | 194.4 | 194.4 | 195.4 | 194.7 | 194.7 | 195.4 | 195.1 | 195.4 | 197.4 | 200.1 | 202.4 |
| 57.5° | 176.3 | 176.0 | 177.0 | 176.3 | 176.0 | 176.6 | 177.3 | 176.0 | 176.3 | 179.0 | 179.0 |
| 60° | 158.2 | 158.5 | 159.5 | 158.9 | 158.9 | 158.9 | 158.2 | 157.5 | 156.9 | 158.5 | 159.2 |
| 62.5° | 143.8 | 142.8 | 143.8 | 142.8 | 143.4 | 143.1 | 142.4 | 141.1 | 141.4 | 140.8 | 140.1 |
| 65° | 128.7 | 128.7 | 129.0 | 128.0 | 128.7 | 128.7 | 127.7 | 127.4 | 125.3 | 124.7 | 123.0 |
| 67.5° | 115.6 | 115.6 | 116.0 | 115.3 | 115.3 | 115.6 | 114.6 | 113.6 | 111.6 | 110.6 | 108.3 |
| 70° | 104.2 | 104.2 | 104.2 | 103.9 | 103.9 | 103.9 | 103.2 | 101.9 | 99.9 | 98.2 | 95.2 |
| 72.5° | 93.8 | 94.2 | 93.8 | 93.8 | 94.8 | 93.8 | 92.8 | 91.5 | 89.8 | 86.5 | 83.8 |
| 75° | 85.5 | 85.8 | 85.5 | 85.5 | 85.5 | 85.1 | 84.8 | 82.8 | 80.8 | 78.1 | 74.1 |
| 77.5° | 78.1 | 78.1 | 78.4 | 78.1 | 78.1 | 77.8 | 76.8 | 75.1 | 72.7 | 70.4 | 65.7 |
| 80° | 71.1 | 71.4 | 71.7 | 72.1 | 71.4 | 71.1 | 70.0 | 68.7 | 65.7 | 63.0 | 58.3 |
| 82.5° | 66.0 | 65.7 | 66.0 | 66.4 | 65.7 | 65.4 | 64.3 | 62.7 | 60.3 | 56.6 | 51.9 |
| 85° | 61.0 | 60.7 | 60.7 | 61.0 | 60.7 | 60.0 | 59.0 | 57.3 | 55.0 | 51.3 | 46.6 |
| 87.5° | 56.0 | 56.3 | 56.6 | 56.3 | 56.0 | 55.3 | 54.3 | 52.6 | 49.9 | 46.9 | 41.9 |
| 90° | 52.3 | 52.3 | 52.3 | 52.3 | 51.9 | 51.3 | 50.3 | 48.3 | 45.9 | 42.2 | 37.9 |
| 92.5° | 48.9 | 48.9 | 48.9 | 48.9 | 48.6 | 47.6 | 46.6 | 44.9 | 42.2 | 38.5 | 34.5 |
| 95° | 45.6 | 45.9 | 45.6 | 45.6 | 44.9 | 44.6 | 42.9 | 41.2 | 38.9 | 35.2 | 30.8 |
| 97.5° | 41.9 | 42.2 | 41.9 | 41.9 | 41.6 | 40.9 | 39.9 | 37.9 | 35.5 | 32.2 | 28.2 |
| 100° | 39.2 | 39.2 | 38.9 | 38.9 | 38.5 | 37.9 | 36.5 | 34.9 | 32.5 | 29.2 | 25.1 |
| 102.5° | 36.2 | 36.5 | 36.2 | 36.2 | 35.5 | 34.9 | 33.9 | 32.2 | 29.8 | 26.5 | 22.8 |
| 105° | 33.9 | 33.9 | 33.5 | 33.5 | 32.8 | 32.2 | 31.2 | 29.2 | 27.1 | 24.1 | 20.4 |
| 107.5° | 31.5 | 31.5 | 31.2 | 31.2 | 30.5 | 29.8 | 28.5 | 26.8 | 24.8 | 21.8 | 18.4 |
| 110° | 29.2 | 29.2 | 29.2 | 28.8 | 28.2 | 27.1 | 26.1 | 24.5 | 22.5 | 19.8 | 16.4 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 27.5 | 27.1 | 26.8 | 26.5 | 25.8 | 25.1 | 23.8 | 22.1 | 20.1 | 17.8 | 14.7 |
| 115° | 25.1 | 25.1 | 24.8 | 24.5 | 23.8 | 22.8 | 21.8 | 20.4 | 18.4 | 15.8 | 13.1 |
| 117.5° | 23.1 | 23.1 | 22.8 | 22.5 | 21.8 | 20.8 | 19.8 | 18.4 | 16.4 | 14.1 | 11.7 |
| 120° | 21.1 | 21.1 | 20.8 | 20.4 | 19.8 | 18.8 | 18.1 | 16.4 | 14.7 | 12.4 | 10.4 |
| 122.5° | 19.4 | 19.1 | 19.1 | 18.4 | 18.1 | 17.1 | 16.1 | 14.7 | 13.1 | 11.1 | 9.0 |
| 125° | 17.4 | 17.4 | 17.1 | 16.8 | 16.4 | 15.4 | 14.4 | 13.1 | 11.4 | 9.7 | 8.0 |
| 127.5° | 15.8 | 15.8 | 15.4 | 15.1 | 14.7 | 13.7 | 12.7 | 11.7 | 10.1 | 8.4 | 6.7 |
| 130° | 14.1 | 14.1 | 13.7 | 13.4 | 13.1 | 12.1 | 11.4 | 10.1 | 8.7 | 7.4 | 5.7 |
| 132.5° | 12.7 | 12.7 | 12.4 | 12.1 | 11.4 | 10.7 | 10.1 | 8.7 | 7.7 | 6.4 | 5.0 |
| 135° | 11.4 | 11.1 | 11.1 | 10.7 | 10.1 | 9.4 | 8.7 | 7.7 | 6.4 | 5.4 | 4.0 |
| 137.5° | 10.1 | 9.7 | 9.4 | 9.0 | 8.7 | 8.0 | 7.4 | 6.7 | 5.7 | 4.4 | 3.4 |
| 140° | 8.7 | 8.4 | 8.4 | 8.0 | 7.4 | 7.0 | 6.4 | 5.4 | 4.7 | 3.7 | 2.7 |
| 142.5° | 7.4 | 7.4 | 7.0 | 6.7 | 6.4 | 6.0 | 5.4 | 4.7 | 3.7 | 3.0 | 2.0 |
| 145° | 6.4 | 6.0 | 6.0 | 5.7 | 5.4 | 4.7 | 4.4 | 3.7 | 3.0 | 2.3 | 1.7 |
| 147.5° | 5.0 | 5.0 | 5.0 | 4.7 | 4.4 | 4.0 | 3.7 | 3.0 | 2.3 | 1.7 | 1.0 |
| 150° | 4.0 | 4.0 | 4.0 | 3.7 | 3.4 | 3.0 | 2.7 | 2.3 | 1.7 | 1.0 | 0.7 |
| 152.5° | 3.4 | 3.4 | 3.0 | 3.0 | 2.7 | 2.3 | 2.0 | 1.7 | 1.0 | 0.7 | 0.7 |
| 155° | 2.3 | 2.3 | 2.3 | 2.0 | 2.0 | 1.7 | 1.3 | 1.0 | 0.7 | 0.7 | 0.7 |
| 157.5° | 1.7 | 1.7 | 1.7 | 1.3 | 1.3 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 160° | 1.0 | 1.0 | 1.0 | 1.0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 | 609.3 |
| 2.5° | 605.3 | 605.0 | 607.6 | 607.6 | 604.6 | 609.3 | 614.3 |
| 5° | 603.3 | 602.9 | 605.6 | 605.6 | 602.9 | 607.6 | 613.0 |
| 7.5° | 599.3 | 599.6 | 602.3 | 602.9 | 599.6 | 603.9 | 609.6 |
| 10° | 594.9 | 594.6 | 597.6 | 598.2 | 595.6 | 599.6 | 605.0 |
| 12.5° | 587.9 | 587.9 | 590.9 | 591.9 | 589.2 | 593.9 | 598.9 |
| 15° | 580.5 | 580.5 | 582.5 | 584.2 | 581.8 | 586.2 | 591.2 |
| 17.5° | 571.1 | 570.8 | 572.8 | 574.8 | 572.4 | 577.1 | 582.5 |
| 20° | 559.0 | 559.0 | 561.4 | 563.7 | 562.1 | 566.4 | 572.4 |
| 22.5° | 546.3 | 545.0 | 549.0 | 550.7 | 549.7 | 554.0 | 560.0 |
| 25° | 530.2 | 529.9 | 533.9 | 536.2 | 534.9 | 539.6 | 545.0 |
| 27.5° | 512.8 | 512.4 | 516.5 | 519.5 | 518.8 | 523.2 | 529.2 |
| 30° | 491.7 | 493.3 | 497.0 | 502.1 | 500.4 | 505.1 | 511.4 |
| 32.5° | 469.5 | 471.2 | 475.6 | 480.9 | 481.3 | 485.0 | 491.3 |
| 35° | 443.1 | 447.4 | 450.4 | 457.5 | 458.8 | 462.5 | 469.2 |
| 37.5° | 415.3 | 420.3 | 426.7 | 432.0 | 434.7 | 437.7 | 445.4 |
| 40° | 384.1 | 391.5 | 398.5 | 404.9 | 408.2 | 411.2 | 418.6 |
| 42.5° | 355.9 | 361.6 | 368.3 | 374.7 | 380.7 | 383.4 | 391.1 |
| 45° | 324.1 | 330.8 | 336.8 | 344.5 | 350.6 | 353.6 | 361.3 |
| 47.5° | 292.9 | 299.6 | 307.7 | 313.0 | 319.4 | 322.4 | 329.8 |
| 50° | 263.1 | 269.1 | 275.8 | 282.2 | 287.6 | 290.2 | 296.6 |
| 52.5° | 233.6 | 240.0 | 246.3 | 250.4 | 256.1 | 258.1 | 263.4 |
| 55° | 207.5 | 211.8 | 217.5 | 219.9 | 225.6 | 226.9 | 230.6 |
| 57.5° | 182.3 | 185.3 | 187.4 | 191.4 | 195.4 | 198.4 | 202.8 |
| 60° | 159.5 | 160.9 | 162.2 | 164.6 | 167.9 | 168.9 | 170.6 |
| 62.5° | 139.1 | 138.8 | 141.4 | 142.1 | 142.4 | 145.8 | 144.1 |
| 65° | 121.0 | 121.3 | 119.0 | 118.0 | 119.3 | 120.3 | 119.6 |
| 67.5° | 105.9 | 103.9 | 101.9 | 99.5 | 97.5 | 98.5 | 97.5 |
| 70° | 91.2 | 89.5 | 86.1 | 82.8 | 81.4 | 79.4 | 78.4 |
| 72.5° | 79.4 | 75.4 | 72.1 | 67.7 | 65.4 | 63.0 | 61.3 |
| 75° | 70.4 | 64.7 | 60.0 | 55.3 | 51.9 | 48.6 | 47.9 |
| 77.5° | 61.0 | 55.6 | 50.3 | 45.2 | 40.2 | 36.5 | 35.2 |
| 80° | 53.6 | 48.6 | 42.2 | 36.2 | 30.8 | 26.1 | 24.5 |
| 82.5° | 46.9 | 41.6 | 35.2 | 28.8 | 22.8 | 17.8 | 15.8 |
| 85° | 41.2 | 35.5 | 29.2 | 22.8 | 16.8 | 11.4 | 8.7 |
| 87.5° | 36.9 | 30.5 | 24.1 | 18.1 | 11.7 | 6.4 | 3.4 |
| 90° | 32.8 | 26.8 | 20.8 | 14.4 | 8.4 | 3.4 | 0.0 |
| 92.5° | 29.2 | 23.5 | 17.4 | 11.7 | 6.4 | 2.0 | 0.3 |
| 95° | 25.8 | 20.8 | 14.7 | 9.4 | 4.7 | 1.3 | 0.3 |
| 97.5° | 23.1 | 18.1 | 12.7 | 7.7 | 3.7 | 1.0 | 0.3 |
| 100° | 20.8 | 15.8 | 11.1 | 6.4 | 3.0 | 0.7 | 0.3 |
| 102.5° | 18.4 | 14.1 | 9.4 | 5.4 | 2.3 | 0.3 | 0.3 |
| 105° | 16.4 | 12.4 | 8.0 | 4.7 | 2.0 | 0.3 | 0.3 |
| 107.5° | 14.7 | 11.1 | 7.0 | 4.0 | 1.3 | 0.3 | 0.3 |
| 110° | 13.1 | 9.4 | 6.0 | 3.4 | 1.0 | 0.3 | 0.3 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-18SL-LN-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 11.7 | 8.4 | 5.4 | 2.7 | 0.7 | 0.3 | 0.3 |
| 115° | 10.4 | 7.4 | 4.7 | 2.3 | 0.7 | 0.3 | 0.3 |
| 117.5° | 9.0 | 6.4 | 4.0 | 1.7 | 0.3 | 0.3 | 0.3 |
| 120° | 8.0 | 5.7 | 3.4 | 1.3 | 0.3 | 0.3 | 0.3 |
| 122.5° | 7.0 | 4.7 | 2.7 | 1.0 | 0.3 | 0.3 | 0.3 |
| 125° | 6.0 | 4.0 | 2.3 | 0.7 | 0.3 | 0.3 | 0.3 |
| 127.5° | 5.0 | 3.4 | 1.7 | 0.7 | 0.3 | 0.3 | 0.3 |
| 130° | 4.4 | 2.7 | 1.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 132.5° | 3.7 | 2.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.3 |
| 135° | 3.0 | 1.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 |
| 137.5° | 2.3 | 1.3 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 |
| 140° | 1.7 | 1.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 142.5° | 1.3 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 145° | 1.0 | 0.7 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 147.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 |
| 150° | 0.7 | 0.7 | 0.3 | 0.3 | 0.7 | 0.3 | 0.3 |
| 152.5° | 0.7 | 0.3 | 0.3 | 0.3 | 0.7 | 0.3 | 0.3 |
| 155° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.3 |
| 157.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 160° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 162.5° | 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 |
| 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)