

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: **2SNLED-LD5-16SL-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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
WIDE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

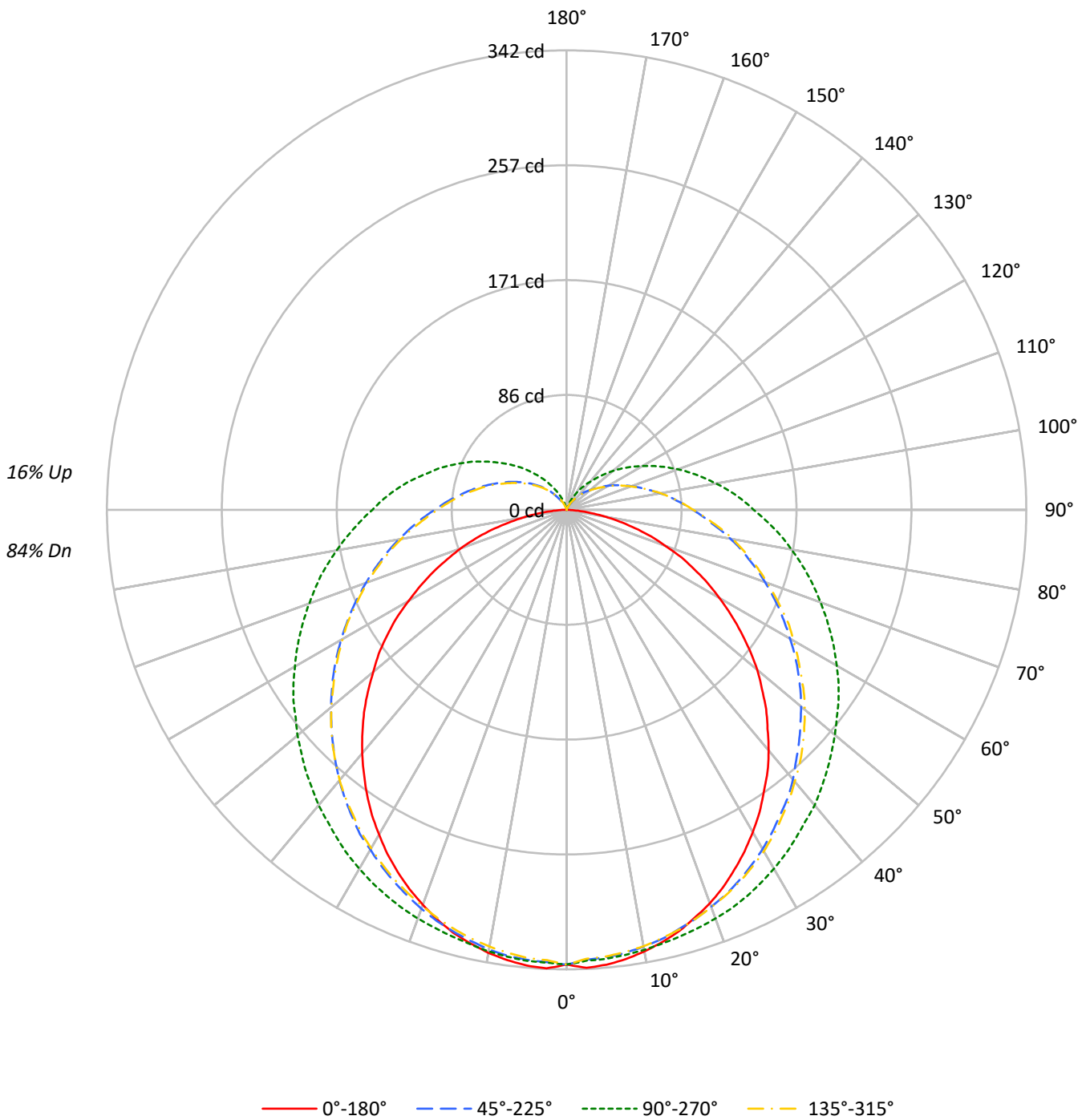
Lumens per Lamp: N/A
Luminaire Lumens: 1470.0 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 14
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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-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° | 5469 | 5469 | 5469 | 5469 |
| 5° | 5483 | 5270 | 5494 | 5292 |
| 10° | 5417 | 5120 | 5435 | 5136 |
| 15° | 5339 | 4993 | 5363 | 4997 |
| 20° | 5240 | 4898 | 5259 | 4898 |
| 25° | 5120 | 4815 | 5152 | 4809 |
| 30° | 4989 | 4730 | 5027 | 4730 |
| 35° | 4837 | 4651 | 4892 | 4656 |
| 40° | 4687 | 4605 | 4743 | 4605 |
| 45° | 4515 | 4555 | 4584 | 4562 |
| 50° | 4334 | 4525 | 4392 | 4539 |
| 55° | 4090 | 4531 | 4219 | 4551 |
| 60° | 3830 | 4544 | 3955 | 4572 |
| 65° | 3538 | 4589 | 3696 | 4636 |
| 70° | 3138 | 4674 | 3384 | 4741 |
| 75° | 2674 | 4827 | 2927 | 4921 |
| 80° | 1986 | 5054 | 2254 | 5170 |
| 85° | 1082 | 5415 | 1352 | 5566 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 32.1 | 2.2 |
| 10°-20° | 92.1 | 6.3 |
| 20°-30° | 141.2 | 9.6 |
| 30°-40° | 174.2 | 11.9 |
| 40°-50° | 189.0 | 12.9 |
| 50°-60° | 186.3 | 12.7 |
| 60°-70° | 168.5 | 11.5 |
| 70°-80° | 140.3 | 9.5 |
| 80°-90° | 108.7 | 7.4 |
| 90°-100° | 82.4 | 5.6 |
| 100°-110° | 61.0 | 4.2 |
| 110°-120° | 42.4 | 2.9 |
| 120°-130° | 27.1 | 1.8 |
| 130°-140° | 15.2 | 1.0 |
| 140°-150° | 6.9 | 0.5 |
| 150°-160° | 2.2 | 0.1 |
| 160°-170° | 0.3 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 265.4 | 18.1 |
| 0°-40° | 439.7 | 29.9 |
| 0°-60° | 815.0 | 55.4 |
| 0°-90° | 1232.5 | 83.8 |
| 90°-120° | 185.9 | 12.6 |
| 90°-150° | 235.1 | 16.0 |
| 90°-180° | 238.0 | 16.2 |
| 0°-180° | 1470.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0° | 338 | 338 | 338 | 338 | 338 | |
| 5° | 340 | 336 | 340 | 337 | 340 | 32 |
| 15° | 324 | 328 | 326 | 329 | 324 | 91 |
| 25° | 296 | 317 | 297 | 317 | 296 | 136 |
| 35° | 256 | 298 | 259 | 298 | 256 | 160 |
| 45° | 210 | 274 | 213 | 274 | 210 | 162 |
| 55° | 158 | 247 | 163 | 248 | 158 | 142 |
| 65° | 105 | 217 | 110 | 219 | 105 | 104 |
| 75° | 53 | 186 | 58 | 189 | 53 | 56 |
| 85° | 10 | 154 | 12 | 159 | 10 | 12 |
| 90° | 0 | 139 | 1 | 144 | 0 | 1 |
| 95° | 0 | 126 | 0 | 132 | 0 | 0 |
| 105° | 0 | 100 | 0 | 106 | 0 | 0 |
| 115° | 0 | 76 | 0 | 83 | 0 | 0 |
| 125° | 0 | 55 | 0 | 61 | 0 | 0 |
| 135° | 0 | 36 | 0 | 42 | 0 | 0 |
| 145° | 0 | 21 | 0 | 25 | 0 | 0 |
| 155° | 0 | 9 | 0 | 12 | 0 | 0 |
| 165° | 0 | 1 | 0 | 2 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 |
| 2.5° | 341.2 | 341.2 | 340.8 | 340.1 | 340.5 | 341.6 | 340.8 | 339.1 | 338.0 | 335.1 | 335.9 |
| 5° | 339.8 | 339.8 | 339.4 | 338.7 | 339.1 | 340.5 | 339.8 | 338.4 | 336.9 | 334.4 | 335.5 |
| 7.5° | 337.3 | 337.3 | 336.9 | 336.2 | 336.9 | 338.4 | 337.6 | 336.2 | 335.1 | 332.6 | 333.7 |
| 10° | 333.7 | 334.1 | 333.7 | 332.6 | 334.1 | 335.5 | 335.1 | 333.4 | 332.3 | 330.1 | 331.2 |
| 12.5° | 329.4 | 329.8 | 329.4 | 329.1 | 329.8 | 331.9 | 331.2 | 329.8 | 329.1 | 327.3 | 328.4 |
| 15° | 324.4 | 324.8 | 324.1 | 324.1 | 324.8 | 326.9 | 326.9 | 325.5 | 324.8 | 323.0 | 325.1 |
| 17.5° | 318.0 | 318.4 | 318.0 | 318.0 | 318.7 | 320.9 | 321.2 | 320.5 | 319.8 | 319.1 | 321.2 |
| 20° | 311.6 | 311.2 | 311.2 | 310.9 | 312.3 | 315.5 | 315.2 | 315.2 | 314.4 | 314.4 | 316.9 |
| 22.5° | 304.1 | 304.1 | 303.7 | 303.7 | 305.5 | 308.4 | 308.4 | 309.1 | 308.4 | 309.8 | 311.9 |
| 25° | 295.5 | 295.9 | 295.5 | 296.2 | 297.7 | 300.9 | 301.2 | 302.3 | 302.7 | 304.1 | 306.6 |
| 27.5° | 286.6 | 287.0 | 286.6 | 287.3 | 289.8 | 292.3 | 294.1 | 295.5 | 295.9 | 298.0 | 301.2 |
| 30° | 277.0 | 277.0 | 277.3 | 278.0 | 280.9 | 284.8 | 286.2 | 288.0 | 288.0 | 291.6 | 294.8 |
| 32.5° | 267.0 | 267.0 | 267.0 | 268.4 | 271.6 | 276.2 | 278.0 | 280.2 | 280.9 | 284.5 | 288.0 |
| 35° | 255.9 | 256.3 | 256.3 | 257.3 | 261.6 | 266.3 | 268.8 | 271.3 | 272.7 | 277.0 | 280.5 |
| 37.5° | 245.6 | 246.3 | 245.2 | 246.6 | 252.7 | 256.6 | 259.5 | 262.0 | 264.5 | 270.2 | 273.0 |
| 40° | 233.8 | 234.5 | 234.1 | 237.0 | 242.0 | 247.0 | 250.2 | 252.7 | 256.3 | 262.0 | 265.2 |
| 42.5° | 221.3 | 222.0 | 222.7 | 225.9 | 231.3 | 236.3 | 240.2 | 243.4 | 247.7 | 252.7 | 258.0 |
| 45° | 209.9 | 209.9 | 210.9 | 214.9 | 220.6 | 225.9 | 230.6 | 234.1 | 239.1 | 244.5 | 249.8 |
| 47.5° | 197.0 | 197.4 | 198.8 | 203.4 | 209.5 | 215.9 | 220.2 | 224.9 | 230.2 | 235.9 | 242.0 |
| 50° | 185.2 | 185.2 | 187.4 | 192.4 | 198.1 | 205.2 | 209.9 | 215.2 | 220.9 | 227.7 | 233.8 |
| 52.5° | 171.7 | 172.4 | 175.6 | 180.2 | 187.7 | 194.2 | 199.5 | 205.2 | 212.0 | 219.1 | 225.9 |
| 55° | 158.1 | 159.5 | 162.0 | 168.5 | 176.3 | 182.4 | 188.8 | 195.9 | 202.4 | 210.2 | 218.1 |
| 57.5° | 144.9 | 146.0 | 149.9 | 156.3 | 164.5 | 172.0 | 178.8 | 185.6 | 193.4 | 201.3 | 209.5 |
| 60° | 131.3 | 132.8 | 137.4 | 143.8 | 152.8 | 160.6 | 168.5 | 175.6 | 183.8 | 192.0 | 200.6 |
| 62.5° | 118.5 | 119.6 | 124.9 | 132.4 | 141.3 | 149.9 | 157.8 | 166.3 | 175.2 | 183.1 | 191.7 |
| 65° | 104.9 | 106.7 | 112.8 | 119.6 | 129.9 | 138.5 | 147.4 | 156.7 | 166.0 | 174.5 | 182.7 |
| 67.5° | 92.4 | 93.5 | 99.9 | 107.8 | 118.1 | 127.8 | 137.1 | 147.0 | 156.7 | 165.6 | 173.8 |
| 70° | 77.8 | 81.4 | 87.8 | 96.0 | 107.1 | 117.1 | 127.1 | 137.4 | 147.8 | 157.0 | 164.9 |
| 72.5° | 65.7 | 68.5 | 75.7 | 84.6 | 95.3 | 107.1 | 117.4 | 128.5 | 138.8 | 148.5 | 156.7 |
| 75° | 52.8 | 55.7 | 63.9 | 73.9 | 84.9 | 97.4 | 108.1 | 119.6 | 130.3 | 139.9 | 148.5 |
| 77.5° | 40.3 | 43.9 | 52.8 | 63.2 | 75.3 | 88.2 | 99.2 | 110.6 | 121.7 | 132.1 | 140.6 |
| 80° | 28.9 | 32.8 | 42.5 | 54.3 | 66.0 | 78.9 | 91.0 | 102.4 | 113.5 | 123.8 | 132.8 |
| 82.5° | 18.6 | 22.8 | 33.2 | 45.0 | 57.5 | 70.3 | 82.8 | 94.2 | 105.3 | 115.6 | 124.9 |
| 85° | 10.0 | 14.6 | 25.3 | 37.1 | 49.6 | 62.5 | 75.0 | 87.1 | 97.8 | 107.4 | 117.4 |
| 87.5° | 2.9 | 8.6 | 18.9 | 30.7 | 43.5 | 55.3 | 67.5 | 79.6 | 90.3 | 100.6 | 109.6 |
| 90° | 0.4 | 5.0 | 14.3 | 25.3 | 37.8 | 49.3 | 61.4 | 72.8 | 83.5 | 93.9 | 102.8 |
| 92.5° | 0.4 | 3.2 | 11.1 | 21.1 | 32.5 | 44.3 | 56.4 | 67.5 | 77.4 | 87.8 | 96.7 |
| 95° | 0.4 | 2.5 | 8.9 | 17.8 | 28.6 | 39.6 | 51.0 | 61.7 | 72.1 | 81.7 | 90.7 |
| 97.5° | 0.4 | 1.8 | 7.1 | 15.3 | 25.0 | 35.3 | 46.4 | 57.1 | 67.1 | 76.4 | 84.6 |
| 100° | 0.4 | 1.4 | 5.7 | 13.2 | 21.8 | 31.8 | 41.8 | 52.1 | 61.7 | 70.7 | 79.2 |
| 102.5° | 0.4 | 1.1 | 5.0 | 11.1 | 19.3 | 28.2 | 37.8 | 47.5 | 56.7 | 65.3 | 73.9 |
| 105° | 0.4 | 1.1 | 4.3 | 9.6 | 17.1 | 25.3 | 34.3 | 43.5 | 52.1 | 60.3 | 68.2 |
| 107.5° | 0.4 | 0.7 | 3.6 | 8.2 | 15.0 | 22.8 | 31.1 | 40.0 | 47.8 | 55.7 | 63.2 |
| 110° | 0.4 | 0.7 | 2.9 | 7.5 | 13.2 | 20.3 | 28.2 | 36.4 | 43.9 | 51.4 | 58.5 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 112.5° | 0.4 | 0.7 | 2.5 | 6.4 | 11.4 | 18.2 | 25.3 | 32.8 | 40.0 | 47.5 | 53.9 |
| 115° | 0.4 | 0.7 | 2.1 | 5.7 | 10.7 | 15.7 | 22.8 | 29.6 | 36.8 | 43.5 | 49.6 |
| 117.5° | 0.4 | 0.7 | 1.8 | 4.6 | 9.3 | 14.3 | 20.0 | 26.8 | 33.2 | 39.6 | 45.3 |
| 120° | 0.4 | 0.7 | 1.4 | 4.3 | 8.2 | 12.8 | 17.8 | 23.9 | 30.0 | 36.0 | 42.1 |
| 122.5° | 0.4 | 0.4 | 1.4 | 3.6 | 7.1 | 11.4 | 16.4 | 21.1 | 26.8 | 32.5 | 37.8 |
| 125° | 0.4 | 0.4 | 1.4 | 3.2 | 6.1 | 10.4 | 14.6 | 18.9 | 23.9 | 28.9 | 33.5 |
| 127.5° | 0.4 | 0.4 | 1.1 | 2.5 | 5.4 | 8.9 | 12.8 | 17.5 | 21.1 | 25.7 | 30.3 |
| 130° | 0.4 | 0.4 | 1.1 | 2.1 | 4.6 | 7.5 | 11.4 | 15.3 | 19.6 | 22.8 | 26.8 |
| 132.5° | 0.4 | 0.4 | 1.1 | 1.8 | 3.6 | 6.1 | 9.6 | 13.2 | 17.1 | 20.7 | 23.9 |
| 135° | 0.4 | 0.4 | 0.7 | 1.4 | 2.9 | 5.0 | 7.9 | 11.1 | 15.0 | 18.6 | 21.8 |
| 137.5° | 0.4 | 0.4 | 0.7 | 1.4 | 2.1 | 4.3 | 6.1 | 8.9 | 12.5 | 15.7 | 18.9 |
| 140° | 0.4 | 0.4 | 0.7 | 1.1 | 1.8 | 3.2 | 5.0 | 7.1 | 10.0 | 12.8 | 16.4 |
| 142.5° | 0.4 | 0.4 | 0.4 | 1.1 | 1.4 | 2.5 | 3.9 | 5.7 | 7.9 | 10.4 | 13.2 |
| 145° | 0.4 | 0.4 | 0.4 | 1.1 | 1.4 | 1.8 | 3.2 | 4.6 | 6.1 | 7.9 | 10.4 |
| 147.5° | 0.4 | 0.4 | 0.4 | 0.7 | 1.1 | 1.4 | 2.5 | 3.6 | 4.6 | 6.1 | 7.5 |
| 150° | 0.4 | 0.4 | 0.4 | 0.7 | 1.1 | 1.4 | 1.8 | 2.5 | 3.6 | 5.0 | 6.1 |
| 152.5° | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 | 1.4 | 1.8 | 2.5 | 3.6 | 4.3 |
| 155° | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 1.1 | 1.4 | 1.4 | 1.8 | 2.5 | 3.2 |
| 157.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 | 1.1 | 1.4 | 1.4 | 2.1 |
| 160° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 | 1.1 | 1.1 | 1.1 |
| 162.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 0.7 | 1.1 | 1.1 |
| 165° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 0.7 |
| 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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 |
| 2.5° | 335.9 | 336.2 | 337.3 | 337.3 | 336.6 | 336.6 | 336.2 | 335.9 | 336.2 | 336.9 | 336.9 |
| 5° | 335.1 | 335.5 | 336.6 | 336.9 | 336.2 | 335.9 | 335.9 | 335.5 | 335.9 | 336.6 | 336.6 |
| 7.5° | 333.7 | 334.1 | 335.1 | 335.5 | 334.8 | 334.8 | 334.4 | 334.1 | 334.8 | 335.1 | 335.1 |
| 10° | 331.6 | 331.9 | 333.4 | 333.7 | 333.4 | 333.0 | 333.0 | 332.6 | 333.0 | 333.7 | 333.7 |
| 12.5° | 328.7 | 329.4 | 331.2 | 331.2 | 331.2 | 330.9 | 330.9 | 330.5 | 330.9 | 331.6 | 331.2 |
| 15° | 325.5 | 326.9 | 328.4 | 329.1 | 329.1 | 329.1 | 328.7 | 328.4 | 329.1 | 329.4 | 329.1 |
| 17.5° | 321.9 | 323.7 | 325.9 | 326.6 | 326.6 | 326.9 | 326.6 | 326.2 | 326.9 | 326.9 | 326.6 |
| 20° | 318.4 | 320.1 | 322.3 | 323.0 | 323.7 | 324.1 | 324.1 | 323.7 | 324.1 | 324.4 | 324.1 |
| 22.5° | 313.7 | 315.9 | 318.4 | 319.4 | 320.1 | 320.9 | 320.9 | 320.9 | 321.2 | 321.6 | 320.9 |
| 25° | 308.7 | 311.2 | 314.1 | 315.2 | 316.6 | 316.9 | 317.3 | 317.3 | 317.7 | 318.0 | 316.9 |
| 27.5° | 303.4 | 306.2 | 309.1 | 310.9 | 311.9 | 312.7 | 312.7 | 313.0 | 313.4 | 313.7 | 312.7 |
| 30° | 296.9 | 301.2 | 303.7 | 305.2 | 306.6 | 307.7 | 308.0 | 308.4 | 308.7 | 309.1 | 308.0 |
| 32.5° | 291.2 | 294.8 | 298.0 | 299.8 | 301.6 | 303.0 | 303.4 | 303.4 | 304.1 | 304.1 | 303.0 |
| 35° | 284.5 | 288.7 | 292.0 | 293.7 | 295.9 | 296.9 | 297.7 | 297.7 | 298.4 | 298.4 | 297.3 |
| 37.5° | 277.7 | 282.0 | 285.5 | 287.7 | 290.2 | 291.6 | 292.0 | 292.0 | 292.7 | 292.7 | 291.2 |
| 40° | 270.5 | 275.2 | 279.1 | 281.6 | 283.7 | 285.5 | 285.9 | 287.0 | 287.0 | 286.6 | 285.2 |
| 42.5° | 263.4 | 267.7 | 272.0 | 274.8 | 277.7 | 279.5 | 280.2 | 280.5 | 280.5 | 280.2 | 279.1 |
| 45° | 255.5 | 260.5 | 264.5 | 268.0 | 270.9 | 272.7 | 273.8 | 274.1 | 274.1 | 273.4 | 272.3 |
| 47.5° | 248.1 | 253.0 | 257.0 | 260.9 | 263.8 | 265.9 | 267.0 | 267.3 | 267.0 | 266.6 | 265.5 |
| 50° | 240.2 | 245.9 | 249.8 | 253.8 | 256.6 | 258.4 | 260.2 | 260.5 | 260.2 | 259.8 | 257.7 |
| 52.5° | 232.0 | 238.1 | 242.3 | 246.3 | 249.5 | 251.6 | 253.0 | 253.4 | 253.4 | 252.7 | 251.3 |
| 55° | 223.8 | 229.1 | 234.5 | 238.8 | 242.3 | 244.5 | 246.3 | 247.0 | 246.3 | 245.6 | 243.8 |
| 57.5° | 216.3 | 221.3 | 226.6 | 231.3 | 234.8 | 237.7 | 239.1 | 239.8 | 239.1 | 238.1 | 236.3 |
| 60° | 207.4 | 212.7 | 218.8 | 223.1 | 227.0 | 229.9 | 230.6 | 232.0 | 231.3 | 230.2 | 228.4 |
| 62.5° | 198.8 | 205.2 | 210.6 | 215.9 | 219.1 | 222.4 | 223.8 | 224.5 | 223.8 | 222.7 | 220.9 |
| 65° | 189.9 | 197.0 | 202.4 | 207.7 | 211.3 | 214.5 | 216.3 | 216.6 | 215.9 | 214.9 | 213.1 |
| 67.5° | 181.7 | 188.4 | 194.2 | 199.9 | 203.1 | 206.3 | 208.1 | 208.8 | 208.1 | 206.7 | 204.9 |
| 70° | 173.5 | 180.2 | 187.0 | 191.3 | 195.2 | 198.8 | 199.9 | 200.9 | 200.2 | 198.8 | 196.7 |
| 72.5° | 165.2 | 172.4 | 179.2 | 183.5 | 187.7 | 190.9 | 192.4 | 193.4 | 192.7 | 191.3 | 188.8 |
| 75° | 156.7 | 164.2 | 171.0 | 175.6 | 179.9 | 183.1 | 184.5 | 185.6 | 184.9 | 183.5 | 180.6 |
| 77.5° | 148.8 | 156.3 | 162.8 | 167.7 | 172.0 | 174.9 | 177.4 | 177.7 | 177.0 | 175.6 | 172.7 |
| 80° | 140.6 | 148.1 | 154.9 | 159.9 | 164.2 | 167.0 | 168.8 | 169.9 | 169.2 | 167.7 | 164.9 |
| 82.5° | 133.5 | 140.3 | 147.0 | 152.0 | 156.3 | 159.9 | 161.3 | 162.4 | 162.0 | 159.9 | 157.8 |
| 85° | 125.6 | 133.5 | 138.8 | 144.2 | 148.5 | 152.0 | 153.1 | 154.5 | 154.2 | 152.4 | 149.5 |
| 87.5° | 117.8 | 125.6 | 132.1 | 137.4 | 141.3 | 144.2 | 146.0 | 146.7 | 146.3 | 144.5 | 141.3 |
| 90° | 111.4 | 118.5 | 124.9 | 130.6 | 133.8 | 137.1 | 138.8 | 139.2 | 139.2 | 137.1 | 134.6 |
| 92.5° | 105.3 | 112.1 | 118.5 | 123.8 | 127.8 | 130.6 | 132.1 | 132.8 | 132.4 | 130.6 | 127.8 |
| 95° | 98.5 | 106.0 | 112.1 | 117.4 | 121.3 | 124.2 | 125.6 | 126.3 | 126.0 | 124.2 | 121.3 |
| 97.5° | 92.8 | 99.6 | 105.6 | 110.6 | 114.6 | 117.4 | 118.9 | 119.6 | 119.6 | 117.8 | 114.9 |
| 100° | 87.1 | 93.9 | 99.6 | 104.6 | 108.1 | 111.0 | 112.4 | 112.8 | 112.4 | 111.0 | 108.1 |
| 102.5° | 81.4 | 87.8 | 93.5 | 98.2 | 102.1 | 104.6 | 106.0 | 106.4 | 106.4 | 104.6 | 101.7 |
| 105° | 75.7 | 82.1 | 87.4 | 92.4 | 95.7 | 98.2 | 99.2 | 100.3 | 99.9 | 98.5 | 95.7 |
| 107.5° | 70.3 | 76.7 | 81.7 | 86.4 | 89.6 | 92.1 | 93.2 | 94.2 | 93.9 | 92.4 | 89.6 |
| 110° | 65.3 | 71.4 | 76.0 | 80.7 | 83.5 | 86.0 | 87.8 | 88.2 | 87.4 | 86.0 | 83.5 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 60.7 | 66.0 | 70.7 | 75.0 | 78.2 | 79.9 | 81.4 | 82.1 | 81.4 | 79.9 | 78.2 |
| 115° | 55.7 | 61.0 | 65.7 | 69.6 | 72.5 | 74.6 | 75.7 | 76.4 | 75.7 | 74.2 | 72.5 |
| 117.5° | 51.0 | 56.0 | 60.7 | 64.6 | 67.1 | 68.9 | 70.0 | 70.7 | 70.0 | 68.9 | 67.1 |
| 120° | 47.1 | 51.4 | 55.7 | 59.2 | 62.1 | 63.5 | 64.6 | 65.3 | 65.0 | 63.5 | 61.7 |
| 122.5° | 42.5 | 47.1 | 51.0 | 54.6 | 57.1 | 58.5 | 59.2 | 60.0 | 59.6 | 58.5 | 56.7 |
| 125° | 38.5 | 42.5 | 46.4 | 49.6 | 52.1 | 53.5 | 54.3 | 55.0 | 54.6 | 53.5 | 51.4 |
| 127.5° | 34.3 | 38.5 | 41.8 | 45.0 | 46.8 | 48.9 | 49.3 | 50.0 | 49.6 | 48.5 | 46.8 |
| 130° | 31.1 | 34.3 | 37.5 | 40.3 | 42.5 | 43.9 | 44.6 | 45.0 | 44.3 | 43.5 | 41.8 |
| 132.5° | 27.1 | 30.7 | 33.5 | 36.0 | 37.5 | 38.9 | 39.6 | 40.0 | 40.0 | 38.9 | 37.5 |
| 135° | 24.3 | 26.8 | 29.3 | 31.8 | 33.2 | 34.6 | 35.3 | 35.7 | 35.3 | 34.6 | 33.2 |
| 137.5° | 21.8 | 23.9 | 25.7 | 27.8 | 29.6 | 30.3 | 31.1 | 31.1 | 30.7 | 30.3 | 29.3 |
| 140° | 18.9 | 21.4 | 23.2 | 24.6 | 26.1 | 26.4 | 27.1 | 27.1 | 26.8 | 26.4 | 25.7 |
| 142.5° | 16.1 | 18.2 | 20.0 | 21.8 | 22.8 | 23.6 | 23.9 | 24.3 | 23.9 | 23.6 | 22.5 |
| 145° | 12.8 | 15.3 | 17.1 | 18.2 | 19.6 | 20.0 | 20.3 | 20.7 | 20.3 | 20.0 | 18.9 |
| 147.5° | 10.0 | 12.1 | 13.9 | 15.3 | 16.4 | 16.8 | 17.1 | 17.5 | 17.1 | 16.4 | 16.1 |
| 150° | 7.1 | 8.9 | 11.1 | 12.5 | 13.2 | 13.9 | 13.9 | 13.9 | 14.3 | 13.6 | 12.8 |
| 152.5° | 5.7 | 6.4 | 7.9 | 9.3 | 10.4 | 10.7 | 11.1 | 11.1 | 10.7 | 10.7 | 10.0 |
| 155° | 3.9 | 4.6 | 5.7 | 6.8 | 7.9 | 8.2 | 8.6 | 8.6 | 8.2 | 8.2 | 7.9 |
| 157.5° | 2.5 | 3.2 | 3.9 | 4.6 | 5.7 | 6.1 | 6.4 | 6.4 | 6.4 | 6.1 | 5.7 |
| 160° | 1.4 | 1.8 | 2.1 | 2.9 | 3.6 | 3.9 | 4.3 | 4.3 | 4.3 | 4.3 | 3.9 |
| 162.5° | 1.1 | 1.1 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.5 | 2.5 | 2.5 | 2.1 |
| 165° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.1 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 |
| 2.5° | 336.6 | 336.6 | 336.9 | 336.2 | 334.1 | 334.4 | 334.4 | 335.9 | 336.6 | 336.9 | 338.7 |
| 5° | 335.9 | 335.9 | 336.6 | 335.5 | 333.7 | 333.7 | 333.7 | 335.1 | 335.5 | 336.2 | 337.6 |
| 7.5° | 334.8 | 334.8 | 335.1 | 334.1 | 331.9 | 331.9 | 331.6 | 333.0 | 333.7 | 334.1 | 335.5 |
| 10° | 333.0 | 333.0 | 333.4 | 332.3 | 329.8 | 329.8 | 329.4 | 330.5 | 330.9 | 331.6 | 332.6 |
| 12.5° | 330.5 | 330.5 | 330.5 | 329.4 | 326.9 | 326.6 | 326.2 | 327.3 | 327.3 | 327.6 | 328.7 |
| 15° | 328.4 | 327.6 | 327.6 | 326.6 | 324.1 | 323.4 | 322.6 | 323.0 | 323.7 | 323.4 | 324.1 |
| 17.5° | 325.9 | 325.1 | 324.4 | 323.4 | 320.1 | 319.1 | 318.4 | 318.7 | 318.4 | 318.0 | 318.7 |
| 20° | 323.0 | 321.9 | 321.6 | 319.8 | 316.6 | 314.8 | 313.4 | 312.7 | 313.0 | 311.9 | 312.3 |
| 22.5° | 319.8 | 318.4 | 317.7 | 315.5 | 312.3 | 310.2 | 308.4 | 306.9 | 306.6 | 305.2 | 305.5 |
| 25° | 315.9 | 314.1 | 313.0 | 311.2 | 307.7 | 305.2 | 303.0 | 300.9 | 299.8 | 298.0 | 297.7 |
| 27.5° | 311.2 | 309.4 | 308.0 | 306.2 | 302.7 | 299.4 | 296.9 | 294.1 | 292.7 | 290.5 | 289.5 |
| 30° | 306.6 | 304.4 | 302.3 | 300.9 | 296.9 | 293.4 | 289.5 | 287.0 | 284.8 | 282.3 | 280.5 |
| 32.5° | 300.9 | 298.7 | 296.6 | 294.5 | 290.9 | 286.6 | 283.4 | 279.5 | 277.0 | 274.1 | 272.0 |
| 35° | 295.2 | 292.3 | 290.2 | 287.3 | 284.1 | 279.1 | 275.2 | 271.3 | 268.0 | 264.8 | 262.3 |
| 37.5° | 288.7 | 286.6 | 283.4 | 280.9 | 277.0 | 272.0 | 267.7 | 262.7 | 259.8 | 255.5 | 252.3 |
| 40° | 282.7 | 280.2 | 277.0 | 273.8 | 269.8 | 264.1 | 259.5 | 253.8 | 250.6 | 245.6 | 242.3 |
| 42.5° | 276.6 | 273.0 | 269.8 | 266.3 | 262.0 | 256.6 | 250.9 | 245.2 | 240.9 | 236.3 | 231.6 |
| 45° | 269.8 | 265.9 | 262.0 | 258.0 | 253.8 | 248.4 | 242.3 | 236.3 | 230.9 | 226.6 | 220.9 |
| 47.5° | 262.7 | 258.8 | 254.1 | 249.8 | 245.2 | 239.8 | 233.4 | 227.0 | 221.3 | 216.3 | 210.2 |
| 50° | 255.5 | 251.6 | 246.6 | 242.0 | 236.6 | 231.3 | 224.5 | 217.0 | 210.9 | 204.5 | 199.2 |
| 52.5° | 248.1 | 244.1 | 239.5 | 233.4 | 227.7 | 222.4 | 215.2 | 207.4 | 200.6 | 195.2 | 188.4 |
| 55° | 240.6 | 236.6 | 231.3 | 225.2 | 219.5 | 212.7 | 205.9 | 198.1 | 190.6 | 184.2 | 177.4 |
| 57.5° | 232.7 | 229.1 | 223.1 | 218.1 | 210.9 | 203.8 | 196.7 | 189.2 | 181.0 | 173.5 | 165.6 |
| 60° | 224.9 | 220.9 | 215.2 | 209.1 | 202.0 | 194.9 | 187.4 | 179.2 | 170.6 | 162.4 | 155.3 |
| 62.5° | 217.7 | 212.7 | 207.4 | 200.9 | 193.4 | 186.7 | 178.1 | 169.2 | 160.6 | 152.0 | 143.5 |
| 65° | 209.5 | 204.2 | 199.2 | 192.7 | 184.9 | 177.0 | 168.5 | 159.5 | 150.3 | 141.0 | 132.4 |
| 67.5° | 201.3 | 195.9 | 190.6 | 184.2 | 176.0 | 167.7 | 158.8 | 149.9 | 139.6 | 130.6 | 120.6 |
| 70° | 193.1 | 188.8 | 182.0 | 175.2 | 167.7 | 158.8 | 149.9 | 140.3 | 129.6 | 119.9 | 109.6 |
| 72.5° | 184.9 | 180.6 | 173.8 | 166.7 | 159.5 | 150.3 | 140.6 | 131.0 | 121.0 | 109.9 | 98.9 |
| 75° | 177.0 | 171.7 | 165.6 | 158.8 | 151.3 | 141.7 | 132.1 | 122.1 | 110.3 | 99.9 | 88.5 |
| 77.5° | 169.5 | 164.5 | 158.5 | 151.0 | 142.8 | 133.5 | 123.5 | 113.1 | 101.4 | 90.3 | 77.8 |
| 80° | 161.3 | 156.3 | 150.3 | 142.8 | 134.6 | 125.6 | 114.9 | 104.2 | 92.8 | 80.7 | 67.8 |
| 82.5° | 153.5 | 148.8 | 142.1 | 135.3 | 126.3 | 117.4 | 106.7 | 96.0 | 83.9 | 72.1 | 59.6 |
| 85° | 145.3 | 140.6 | 134.2 | 127.1 | 118.5 | 108.9 | 98.9 | 88.2 | 76.0 | 63.9 | 51.4 |
| 87.5° | 138.1 | 132.8 | 126.3 | 119.2 | 110.6 | 101.4 | 91.7 | 80.3 | 68.5 | 56.7 | 43.9 |
| 90° | 130.6 | 125.6 | 119.2 | 112.1 | 103.5 | 94.2 | 84.2 | 73.5 | 62.1 | 50.0 | 37.8 |
| 92.5° | 124.2 | 118.9 | 112.8 | 105.6 | 97.1 | 88.2 | 78.2 | 67.5 | 56.4 | 44.6 | 32.8 |
| 95° | 117.8 | 112.4 | 106.7 | 99.6 | 91.0 | 82.1 | 72.1 | 61.7 | 51.0 | 39.6 | 28.6 |
| 97.5° | 110.6 | 106.0 | 100.3 | 93.5 | 84.9 | 76.4 | 66.7 | 56.7 | 46.4 | 35.3 | 25.0 |
| 100° | 104.9 | 99.6 | 94.2 | 87.1 | 79.2 | 71.0 | 61.4 | 51.8 | 41.8 | 31.4 | 21.8 |
| 102.5° | 98.5 | 93.5 | 88.2 | 81.4 | 73.5 | 65.3 | 56.4 | 47.1 | 37.8 | 28.2 | 18.9 |
| 105° | 92.4 | 87.8 | 82.1 | 75.7 | 68.2 | 60.3 | 51.8 | 43.2 | 34.3 | 25.0 | 16.8 |
| 107.5° | 86.4 | 81.7 | 76.4 | 70.3 | 63.2 | 55.3 | 47.5 | 38.9 | 30.7 | 22.5 | 15.0 |
| 110° | 80.3 | 76.0 | 71.0 | 65.0 | 58.2 | 51.0 | 43.5 | 35.7 | 27.5 | 20.0 | 13.2 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 75.0 | 70.7 | 65.7 | 60.0 | 53.5 | 46.8 | 39.6 | 32.1 | 24.6 | 17.8 | 11.4 |
| 115° | 69.6 | 65.7 | 60.7 | 55.7 | 49.3 | 42.8 | 36.0 | 28.9 | 22.1 | 16.1 | 10.0 |
| 117.5° | 64.2 | 60.3 | 55.7 | 50.7 | 45.0 | 38.9 | 32.5 | 25.7 | 20.0 | 14.3 | 8.9 |
| 120° | 58.9 | 55.3 | 51.0 | 46.4 | 41.4 | 35.3 | 28.9 | 23.2 | 17.8 | 12.5 | 7.9 |
| 122.5° | 53.9 | 50.7 | 46.8 | 42.5 | 37.1 | 31.4 | 26.1 | 21.1 | 16.1 | 11.1 | 6.4 |
| 125° | 49.3 | 46.0 | 42.5 | 38.2 | 33.2 | 28.2 | 23.6 | 18.9 | 13.9 | 9.6 | 5.4 |
| 127.5° | 44.6 | 41.4 | 37.8 | 33.9 | 30.0 | 25.3 | 21.1 | 16.8 | 12.5 | 8.6 | 4.6 |
| 130° | 40.0 | 37.1 | 33.9 | 30.7 | 26.8 | 22.5 | 18.9 | 14.6 | 10.7 | 6.8 | 3.9 |
| 132.5° | 35.3 | 33.2 | 30.3 | 27.1 | 23.6 | 20.3 | 16.4 | 12.8 | 9.3 | 6.1 | 3.6 |
| 135° | 31.4 | 29.3 | 26.8 | 23.9 | 21.1 | 17.8 | 14.3 | 11.1 | 7.9 | 5.0 | 2.9 |
| 137.5° | 27.8 | 26.1 | 23.6 | 21.1 | 18.6 | 15.3 | 12.5 | 9.3 | 6.4 | 4.3 | 2.1 |
| 140° | 24.6 | 22.8 | 20.7 | 18.2 | 16.1 | 13.2 | 10.4 | 7.5 | 5.7 | 3.6 | 1.8 |
| 142.5° | 21.4 | 19.6 | 17.8 | 15.7 | 13.6 | 11.1 | 8.6 | 6.4 | 4.6 | 2.9 | 1.8 |
| 145° | 18.2 | 16.8 | 15.0 | 13.2 | 11.1 | 8.9 | 7.1 | 5.4 | 3.6 | 2.1 | 1.4 |
| 147.5° | 15.0 | 13.9 | 12.1 | 10.7 | 8.9 | 7.1 | 5.7 | 4.3 | 2.9 | 1.8 | 1.1 |
| 150° | 12.1 | 11.1 | 9.6 | 8.2 | 7.1 | 5.7 | 4.6 | 3.2 | 2.1 | 1.8 | 1.1 |
| 152.5° | 9.3 | 8.6 | 7.5 | 6.8 | 5.7 | 4.3 | 3.2 | 2.5 | 1.8 | 1.4 | 0.7 |
| 155° | 7.5 | 6.8 | 6.1 | 5.0 | 4.3 | 3.2 | 2.5 | 1.8 | 1.4 | 1.1 | 0.7 |
| 157.5° | 5.4 | 5.0 | 4.3 | 3.6 | 2.9 | 2.1 | 1.8 | 1.8 | 1.1 | 0.7 | 0.4 |
| 160° | 3.6 | 3.2 | 2.9 | 2.1 | 1.8 | 1.8 | 1.4 | 1.1 | 0.7 | 0.7 | 0.4 |
| 162.5° | 2.1 | 1.8 | 1.8 | 1.8 | 1.4 | 1.4 | 1.1 | 0.7 | 0.7 | 0.4 | 0.4 |
| 165° | 1.4 | 1.4 | 1.4 | 1.1 | 1.1 | 1.1 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 |
| 2.5° | 338.7 | 337.6 | 339.1 | 341.6 | 341.9 | 341.6 | 340.8 | 341.9 | 343.3 | 343.0 | 340.5 |
| 5° | 338.0 | 336.6 | 338.0 | 340.5 | 340.5 | 340.1 | 339.8 | 340.8 | 342.3 | 341.9 | 339.8 |
| 7.5° | 335.9 | 334.4 | 335.9 | 338.0 | 338.4 | 337.6 | 337.6 | 338.7 | 340.1 | 339.8 | 338.0 |
| 10° | 333.0 | 331.6 | 332.3 | 334.8 | 335.5 | 334.8 | 334.8 | 335.9 | 337.6 | 337.3 | 335.1 |
| 12.5° | 328.7 | 327.6 | 328.4 | 330.5 | 331.2 | 330.9 | 330.5 | 331.9 | 333.7 | 333.7 | 331.6 |
| 15° | 324.1 | 322.6 | 323.4 | 325.9 | 326.2 | 325.5 | 325.9 | 326.9 | 329.1 | 329.1 | 327.3 |
| 17.5° | 318.7 | 316.9 | 318.0 | 319.8 | 320.1 | 320.1 | 320.1 | 321.6 | 324.1 | 323.7 | 322.3 |
| 20° | 312.7 | 310.2 | 310.9 | 312.7 | 313.4 | 313.4 | 313.4 | 315.9 | 317.7 | 317.7 | 316.2 |
| 22.5° | 305.5 | 303.7 | 303.7 | 305.5 | 306.6 | 306.2 | 306.2 | 308.4 | 310.9 | 310.5 | 310.5 |
| 25° | 297.3 | 295.9 | 295.2 | 297.3 | 297.7 | 298.0 | 298.7 | 300.9 | 303.7 | 303.7 | 304.1 |
| 27.5° | 288.7 | 287.3 | 287.0 | 288.7 | 289.1 | 289.5 | 290.2 | 292.7 | 295.5 | 295.9 | 296.6 |
| 30° | 280.5 | 278.4 | 277.7 | 279.1 | 279.8 | 280.2 | 280.2 | 284.1 | 286.6 | 287.7 | 289.1 |
| 32.5° | 270.9 | 268.8 | 267.0 | 269.5 | 269.8 | 270.5 | 270.9 | 274.8 | 277.7 | 279.5 | 281.6 |
| 35° | 261.3 | 257.7 | 257.0 | 258.8 | 259.5 | 259.8 | 260.5 | 264.8 | 268.8 | 270.2 | 273.0 |
| 37.5° | 250.6 | 248.1 | 245.9 | 247.7 | 248.4 | 248.8 | 250.9 | 254.8 | 258.8 | 260.9 | 263.8 |
| 40° | 240.6 | 237.3 | 235.6 | 236.6 | 237.3 | 237.7 | 240.2 | 244.5 | 249.1 | 251.6 | 255.2 |
| 42.5° | 229.5 | 225.2 | 223.8 | 224.9 | 225.2 | 226.3 | 228.4 | 234.1 | 238.8 | 242.3 | 245.2 |
| 45° | 218.4 | 215.2 | 212.0 | 213.1 | 213.4 | 214.1 | 217.4 | 223.4 | 228.4 | 232.7 | 235.9 |
| 47.5° | 207.0 | 203.1 | 199.9 | 200.6 | 202.0 | 202.4 | 205.9 | 213.1 | 217.7 | 222.4 | 226.6 |
| 50° | 195.6 | 190.2 | 187.7 | 187.7 | 188.4 | 190.2 | 194.9 | 202.0 | 207.0 | 212.4 | 217.0 |
| 52.5° | 183.8 | 178.8 | 176.0 | 176.3 | 177.0 | 179.2 | 183.5 | 190.6 | 196.3 | 202.0 | 207.7 |
| 55° | 172.0 | 166.7 | 163.8 | 163.1 | 163.8 | 166.7 | 171.7 | 179.2 | 184.9 | 191.7 | 197.7 |
| 57.5° | 160.3 | 153.8 | 151.3 | 150.3 | 151.0 | 154.5 | 159.5 | 167.4 | 174.5 | 181.0 | 188.1 |
| 60° | 147.4 | 142.4 | 138.1 | 135.6 | 137.4 | 142.1 | 147.4 | 155.6 | 163.1 | 170.2 | 178.1 |
| 62.5° | 136.3 | 129.9 | 125.3 | 122.8 | 124.6 | 128.5 | 136.0 | 143.8 | 152.0 | 160.3 | 168.1 |
| 65° | 123.8 | 117.4 | 112.1 | 109.6 | 111.4 | 116.0 | 123.5 | 132.1 | 141.0 | 149.2 | 158.5 |
| 67.5° | 111.7 | 104.9 | 98.5 | 96.0 | 98.2 | 103.1 | 111.4 | 121.0 | 130.6 | 139.2 | 149.2 |
| 70° | 99.9 | 92.4 | 85.7 | 83.9 | 85.3 | 92.1 | 99.9 | 109.6 | 119.6 | 129.6 | 139.9 |
| 72.5° | 89.2 | 79.9 | 72.8 | 70.7 | 72.5 | 79.9 | 88.9 | 98.9 | 109.6 | 120.3 | 131.3 |
| 75° | 76.7 | 68.2 | 60.3 | 57.8 | 60.0 | 66.7 | 77.8 | 88.5 | 99.9 | 111.4 | 121.7 |
| 77.5° | 66.7 | 56.7 | 48.5 | 44.6 | 48.2 | 56.7 | 67.5 | 78.9 | 90.7 | 102.4 | 114.2 |
| 80° | 56.4 | 46.0 | 37.1 | 32.8 | 36.8 | 46.0 | 56.7 | 69.2 | 82.4 | 94.2 | 104.9 |
| 82.5° | 47.1 | 36.0 | 26.8 | 22.1 | 26.4 | 36.8 | 48.5 | 61.0 | 73.9 | 85.7 | 98.2 |
| 85° | 38.5 | 27.1 | 17.5 | 12.5 | 18.6 | 27.8 | 40.3 | 53.2 | 66.4 | 78.5 | 90.7 |
| 87.5° | 31.4 | 20.3 | 10.7 | 5.4 | 11.4 | 21.8 | 33.5 | 46.4 | 59.6 | 71.7 | 83.2 |
| 90° | 25.7 | 14.6 | 5.7 | 0.7 | 6.8 | 16.4 | 27.8 | 40.3 | 52.8 | 65.3 | 76.7 |
| 92.5° | 21.1 | 11.1 | 3.2 | 0.4 | 4.3 | 13.2 | 23.9 | 35.7 | 47.8 | 60.0 | 71.0 |
| 95° | 17.5 | 8.6 | 2.1 | 0.4 | 3.2 | 10.4 | 20.3 | 31.8 | 43.2 | 55.0 | 66.0 |
| 97.5° | 15.0 | 7.1 | 1.8 | 0.4 | 2.5 | 8.9 | 17.5 | 28.2 | 39.3 | 50.3 | 61.0 |
| 100° | 12.8 | 5.7 | 1.4 | 0.4 | 2.1 | 7.5 | 15.3 | 25.0 | 35.3 | 46.0 | 56.4 |
| 102.5° | 11.1 | 4.6 | 1.1 | 0.4 | 1.8 | 6.4 | 13.6 | 22.5 | 31.8 | 42.1 | 52.1 |
| 105° | 9.6 | 3.9 | 1.1 | 0.4 | 1.4 | 5.7 | 12.1 | 20.0 | 29.3 | 38.5 | 48.2 |
| 107.5° | 8.2 | 3.2 | 0.7 | 0.4 | 1.1 | 4.6 | 10.7 | 18.2 | 26.4 | 35.3 | 44.3 |
| 110° | 7.1 | 2.9 | 0.7 | 0.4 | 1.1 | 4.3 | 9.3 | 16.4 | 23.9 | 32.1 | 40.7 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 6.1 | 2.1 | 0.7 | 0.4 | 0.7 | 3.6 | 8.2 | 14.6 | 21.8 | 29.3 | 37.5 |
| 115° | 5.4 | 1.8 | 0.4 | 0.4 | 0.7 | 3.2 | 7.5 | 13.2 | 19.6 | 26.8 | 34.3 |
| 117.5° | 4.3 | 1.4 | 0.4 | 0.4 | 0.4 | 2.5 | 6.4 | 11.8 | 17.8 | 24.6 | 31.4 |
| 120° | 3.6 | 1.4 | 0.4 | 0.4 | 0.4 | 2.1 | 5.7 | 10.4 | 16.1 | 22.1 | 28.6 |
| 122.5° | 3.2 | 1.1 | 0.4 | 0.4 | 0.4 | 1.8 | 5.0 | 9.3 | 14.3 | 20.0 | 26.1 |
| 125° | 2.9 | 1.1 | 0.4 | 0.4 | 0.4 | 1.4 | 4.3 | 8.2 | 12.8 | 17.8 | 23.6 |
| 127.5° | 2.1 | 1.1 | 0.4 | 0.4 | 0.4 | 1.1 | 3.9 | 7.1 | 11.4 | 16.1 | 21.1 |
| 130° | 1.8 | 0.7 | 0.4 | 0.4 | 0.4 | 1.1 | 3.2 | 6.4 | 10.0 | 14.3 | 18.9 |
| 132.5° | 1.4 | 0.7 | 0.4 | 0.4 | 0.4 | 0.7 | 2.5 | 5.0 | 8.6 | 12.5 | 16.8 |
| 135° | 1.4 | 0.7 | 0.4 | 0.4 | 0.4 | 0.7 | 1.8 | 4.3 | 7.1 | 10.7 | 14.3 |
| 137.5° | 1.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 1.4 | 3.2 | 5.7 | 8.6 | 11.8 |
| 140° | 1.1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 1.1 | 2.5 | 4.6 | 7.1 | 10.0 |
| 142.5° | 1.1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 1.1 | 1.8 | 3.6 | 5.7 | 7.9 |
| 145° | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 1.4 | 2.9 | 4.3 | 6.4 |
| 147.5° | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 1.1 | 2.1 | 3.6 | 5.0 |
| 150° | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 1.1 | 1.4 | 2.5 | 3.9 |
| 152.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 | 1.8 | 2.5 |
| 155° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 1.1 | 1.4 | 1.8 |
| 157.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 | 1.4 |
| 160° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 |
| 162.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 |
| 165° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 |
| 2.5° | 339.4 | 336.9 | 337.6 | 337.3 | 338.0 | 339.1 | 339.1 | 338.7 | 338.7 | 338.0 | 337.3 |
| 5° | 338.7 | 336.2 | 337.3 | 336.9 | 337.6 | 338.7 | 338.7 | 338.4 | 338.4 | 337.3 | 336.9 |
| 7.5° | 336.6 | 334.8 | 335.5 | 335.5 | 336.2 | 337.3 | 337.3 | 336.9 | 336.9 | 335.9 | 335.5 |
| 10° | 334.4 | 332.3 | 333.4 | 333.4 | 334.1 | 335.5 | 335.5 | 335.1 | 335.1 | 334.1 | 333.7 |
| 12.5° | 330.9 | 328.7 | 330.5 | 330.9 | 331.6 | 333.0 | 332.6 | 332.6 | 332.6 | 331.6 | 331.2 |
| 15° | 326.6 | 325.1 | 326.9 | 327.3 | 328.4 | 330.1 | 330.1 | 330.1 | 330.1 | 329.1 | 328.7 |
| 17.5° | 321.9 | 320.9 | 322.6 | 323.4 | 324.8 | 326.6 | 326.6 | 326.9 | 327.3 | 326.6 | 326.2 |
| 20° | 316.6 | 315.9 | 317.7 | 319.1 | 321.2 | 323.0 | 323.7 | 324.1 | 324.8 | 324.1 | 323.7 |
| 22.5° | 310.5 | 310.5 | 313.0 | 314.4 | 316.9 | 318.7 | 319.8 | 320.9 | 321.6 | 320.9 | 320.5 |
| 25° | 303.7 | 304.8 | 307.3 | 309.8 | 312.7 | 314.4 | 315.5 | 316.9 | 317.7 | 317.3 | 316.9 |
| 27.5° | 297.3 | 298.7 | 301.9 | 304.4 | 306.9 | 309.8 | 310.9 | 312.7 | 313.4 | 313.4 | 313.0 |
| 30° | 289.8 | 292.0 | 295.5 | 298.4 | 301.6 | 304.4 | 305.9 | 307.7 | 308.7 | 308.0 | 308.4 |
| 32.5° | 282.7 | 286.2 | 289.1 | 292.3 | 295.9 | 298.7 | 300.5 | 302.7 | 303.7 | 303.4 | 303.7 |
| 35° | 274.8 | 278.4 | 282.3 | 285.5 | 289.8 | 292.7 | 295.2 | 296.9 | 298.4 | 298.0 | 298.0 |
| 37.5° | 266.3 | 270.9 | 274.8 | 279.1 | 283.0 | 286.2 | 288.7 | 290.9 | 292.3 | 292.3 | 292.3 |
| 40° | 258.0 | 263.0 | 267.0 | 272.0 | 277.0 | 279.8 | 282.7 | 284.8 | 286.2 | 286.6 | 287.0 |
| 42.5° | 249.1 | 254.5 | 259.1 | 264.5 | 269.5 | 273.0 | 276.2 | 278.7 | 280.2 | 280.9 | 280.5 |
| 45° | 240.9 | 245.9 | 251.3 | 257.3 | 262.0 | 265.5 | 269.5 | 272.3 | 273.8 | 274.1 | 274.5 |
| 47.5° | 231.6 | 237.3 | 243.4 | 249.5 | 254.1 | 258.8 | 262.3 | 265.2 | 266.6 | 267.7 | 267.7 |
| 50° | 222.7 | 228.8 | 235.6 | 242.0 | 247.0 | 251.6 | 255.2 | 258.4 | 260.2 | 260.9 | 261.3 |
| 52.5° | 214.5 | 220.2 | 227.4 | 233.8 | 238.8 | 243.4 | 248.1 | 251.6 | 253.4 | 254.1 | 254.1 |
| 55° | 204.5 | 211.6 | 219.5 | 225.6 | 230.9 | 236.3 | 240.9 | 244.5 | 246.3 | 247.3 | 248.1 |
| 57.5° | 195.2 | 202.7 | 210.9 | 217.4 | 223.8 | 228.8 | 233.1 | 237.7 | 239.1 | 240.6 | 240.9 |
| 60° | 186.3 | 193.8 | 201.7 | 208.8 | 215.2 | 220.6 | 225.6 | 229.5 | 232.0 | 232.7 | 233.4 |
| 62.5° | 177.0 | 184.9 | 193.1 | 200.2 | 207.0 | 213.4 | 218.1 | 221.6 | 224.5 | 225.6 | 226.3 |
| 65° | 168.1 | 176.3 | 184.5 | 192.0 | 199.2 | 205.6 | 210.2 | 213.8 | 216.6 | 218.4 | 218.8 |
| 67.5° | 158.5 | 167.4 | 176.0 | 183.8 | 190.9 | 197.7 | 202.4 | 205.9 | 208.8 | 210.9 | 211.3 |
| 70° | 149.5 | 158.8 | 167.4 | 176.0 | 183.1 | 189.9 | 194.9 | 198.4 | 201.7 | 203.1 | 203.8 |
| 72.5° | 141.0 | 150.6 | 159.5 | 168.1 | 175.2 | 182.0 | 187.4 | 190.9 | 194.2 | 195.9 | 196.3 |
| 75° | 132.8 | 142.4 | 152.0 | 160.3 | 167.7 | 174.5 | 179.9 | 183.8 | 186.7 | 188.4 | 189.2 |
| 77.5° | 124.6 | 134.6 | 144.2 | 152.4 | 160.3 | 167.0 | 171.7 | 176.3 | 179.2 | 181.3 | 181.3 |
| 80° | 116.4 | 126.7 | 136.7 | 144.9 | 152.8 | 158.8 | 164.2 | 168.8 | 171.7 | 173.8 | 173.8 |
| 82.5° | 109.2 | 119.2 | 128.8 | 137.1 | 144.9 | 151.7 | 157.0 | 161.3 | 164.5 | 166.0 | 166.3 |
| 85° | 101.0 | 112.1 | 121.0 | 129.9 | 137.4 | 143.8 | 149.2 | 153.8 | 156.7 | 158.1 | 158.8 |
| 87.5° | 94.2 | 104.9 | 114.6 | 122.4 | 129.9 | 136.3 | 142.4 | 146.3 | 149.2 | 151.0 | 151.7 |
| 90° | 87.8 | 98.2 | 107.8 | 115.6 | 123.5 | 129.6 | 135.3 | 139.2 | 142.4 | 143.8 | 144.5 |
| 92.5° | 82.1 | 92.4 | 101.7 | 109.6 | 117.1 | 123.8 | 129.2 | 133.1 | 136.0 | 137.4 | 138.5 |
| 95° | 76.7 | 86.7 | 95.7 | 104.2 | 111.4 | 117.4 | 123.1 | 127.1 | 130.3 | 131.3 | 132.4 |
| 97.5° | 71.4 | 81.0 | 89.9 | 98.2 | 105.6 | 111.4 | 116.7 | 120.6 | 123.1 | 124.9 | 126.0 |
| 100° | 66.7 | 76.0 | 84.6 | 92.4 | 99.6 | 104.9 | 110.6 | 114.2 | 116.7 | 118.1 | 119.6 |
| 102.5° | 61.7 | 71.0 | 79.2 | 86.7 | 94.2 | 99.2 | 104.6 | 108.1 | 110.3 | 112.8 | 112.8 |
| 105° | 57.5 | 66.0 | 74.2 | 81.4 | 87.8 | 93.9 | 98.5 | 102.1 | 104.6 | 106.4 | 106.4 |
| 107.5° | 52.8 | 61.4 | 69.2 | 76.7 | 82.8 | 88.5 | 92.8 | 96.0 | 98.9 | 99.9 | 101.0 |
| 110° | 49.3 | 56.7 | 64.6 | 71.7 | 77.4 | 82.8 | 87.1 | 90.7 | 93.2 | 94.2 | 94.9 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 45.0 | 52.8 | 60.0 | 66.7 | 72.5 | 77.4 | 81.7 | 84.6 | 87.1 | 88.5 | 88.9 |
| 115° | 41.4 | 48.9 | 55.3 | 61.7 | 67.8 | 72.1 | 76.0 | 78.9 | 81.4 | 82.4 | 83.2 |
| 117.5° | 38.2 | 45.0 | 51.4 | 56.7 | 62.5 | 67.1 | 71.0 | 73.5 | 75.7 | 77.1 | 77.8 |
| 120° | 35.0 | 41.4 | 47.1 | 52.5 | 57.8 | 62.1 | 65.7 | 68.2 | 70.7 | 71.7 | 71.7 |
| 122.5° | 31.8 | 37.8 | 43.2 | 48.2 | 53.2 | 57.1 | 61.0 | 63.2 | 65.3 | 66.4 | 66.4 |
| 125° | 28.9 | 34.6 | 39.6 | 44.3 | 48.9 | 52.5 | 55.7 | 58.2 | 60.3 | 61.0 | 61.0 |
| 127.5° | 26.1 | 31.4 | 36.0 | 40.3 | 44.3 | 47.8 | 51.0 | 53.5 | 55.3 | 56.0 | 56.0 |
| 130° | 23.6 | 28.2 | 32.5 | 36.8 | 40.7 | 43.5 | 46.8 | 48.9 | 50.0 | 51.0 | 51.4 |
| 132.5° | 21.1 | 25.3 | 29.3 | 32.8 | 36.8 | 39.6 | 42.1 | 44.3 | 45.3 | 46.4 | 46.8 |
| 135° | 18.6 | 22.5 | 26.1 | 29.6 | 32.8 | 35.7 | 37.8 | 39.6 | 41.0 | 41.8 | 42.1 |
| 137.5° | 15.7 | 20.0 | 23.2 | 26.1 | 29.6 | 31.8 | 34.3 | 35.3 | 36.8 | 37.5 | 37.5 |
| 140° | 13.2 | 16.4 | 20.0 | 22.8 | 25.7 | 27.8 | 30.0 | 31.8 | 32.8 | 33.2 | 33.2 |
| 142.5° | 10.7 | 13.6 | 16.4 | 20.0 | 22.5 | 24.3 | 26.4 | 27.8 | 28.6 | 28.9 | 29.3 |
| 145° | 8.6 | 10.7 | 13.2 | 16.4 | 19.3 | 21.4 | 22.5 | 23.9 | 24.6 | 25.0 | 25.3 |
| 147.5° | 6.4 | 8.6 | 10.7 | 12.8 | 15.7 | 17.8 | 18.9 | 20.3 | 21.1 | 21.4 | 21.4 |
| 150° | 5.0 | 6.4 | 7.9 | 10.0 | 12.1 | 14.6 | 16.1 | 17.1 | 17.5 | 17.8 | 17.8 |
| 152.5° | 3.6 | 5.0 | 6.1 | 7.5 | 8.9 | 11.1 | 13.2 | 13.9 | 14.3 | 14.6 | 14.6 |
| 155° | 2.5 | 3.6 | 4.3 | 5.4 | 6.4 | 8.2 | 10.0 | 11.1 | 11.4 | 11.8 | 11.8 |
| 157.5° | 1.8 | 2.5 | 2.9 | 3.9 | 4.6 | 5.4 | 6.8 | 8.6 | 8.9 | 8.9 | 8.9 |
| 160° | 1.1 | 1.4 | 1.8 | 2.5 | 2.9 | 3.6 | 4.3 | 5.4 | 6.4 | 6.4 | 6.4 |
| 162.5° | 0.7 | 1.1 | 1.1 | 1.4 | 1.4 | 2.1 | 2.5 | 2.9 | 3.9 | 4.3 | 4.3 |
| 165° | 0.4 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.1 | 1.1 | 1.8 | 2.1 | 2.1 |
| 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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 |
| 2.5° | 337.6 | 338.4 | 338.0 | 338.0 | 338.0 | 338.7 | 338.0 | 334.8 | 335.5 | 336.2 | 336.9 |
| 5° | 337.3 | 337.6 | 337.6 | 337.3 | 337.3 | 338.0 | 337.3 | 334.1 | 334.8 | 335.5 | 335.9 |
| 7.5° | 335.9 | 336.2 | 336.2 | 336.2 | 335.9 | 336.6 | 335.5 | 332.6 | 332.6 | 333.4 | 333.7 |
| 10° | 334.1 | 334.8 | 334.4 | 334.1 | 334.1 | 334.1 | 333.4 | 330.1 | 330.1 | 330.5 | 330.9 |
| 12.5° | 331.9 | 331.9 | 331.9 | 331.6 | 331.2 | 331.2 | 330.5 | 327.3 | 326.9 | 327.6 | 327.3 |
| 15° | 329.1 | 329.8 | 329.1 | 328.7 | 328.0 | 328.0 | 326.9 | 323.7 | 323.0 | 323.4 | 323.0 |
| 17.5° | 326.6 | 326.9 | 326.2 | 325.5 | 324.8 | 324.4 | 323.4 | 319.8 | 318.7 | 319.1 | 318.4 |
| 20° | 324.1 | 324.1 | 323.4 | 322.6 | 321.6 | 320.5 | 319.1 | 315.5 | 313.7 | 313.7 | 312.3 |
| 22.5° | 320.9 | 320.9 | 320.1 | 319.1 | 318.0 | 316.6 | 315.2 | 311.6 | 308.7 | 308.0 | 306.9 |
| 25° | 317.3 | 316.9 | 316.6 | 315.5 | 313.4 | 311.9 | 310.5 | 306.6 | 303.4 | 301.9 | 300.2 |
| 27.5° | 313.0 | 313.0 | 311.9 | 310.9 | 308.7 | 306.9 | 305.2 | 301.6 | 297.3 | 295.5 | 293.0 |
| 30° | 308.4 | 308.4 | 307.3 | 305.9 | 303.7 | 301.6 | 299.4 | 295.2 | 290.9 | 288.4 | 285.5 |
| 32.5° | 303.7 | 303.4 | 302.3 | 300.9 | 298.7 | 295.5 | 293.7 | 289.5 | 284.5 | 281.6 | 277.7 |
| 35° | 298.0 | 297.7 | 296.6 | 294.8 | 292.0 | 289.5 | 286.6 | 282.7 | 277.0 | 273.4 | 269.1 |
| 37.5° | 292.3 | 292.0 | 291.2 | 288.7 | 285.9 | 283.0 | 279.5 | 275.5 | 270.2 | 265.5 | 261.3 |
| 40° | 286.6 | 286.2 | 284.8 | 283.0 | 279.5 | 275.9 | 272.3 | 268.4 | 262.7 | 257.3 | 252.7 |
| 42.5° | 280.5 | 280.2 | 278.4 | 276.2 | 272.3 | 268.8 | 264.5 | 260.2 | 254.5 | 248.1 | 243.4 |
| 45° | 274.5 | 273.8 | 272.0 | 269.5 | 265.2 | 261.3 | 257.0 | 252.0 | 246.3 | 240.2 | 234.1 |
| 47.5° | 268.0 | 267.0 | 265.2 | 261.6 | 258.0 | 253.8 | 248.8 | 243.4 | 237.7 | 230.9 | 224.5 |
| 50° | 260.9 | 260.2 | 258.0 | 254.8 | 250.6 | 246.3 | 240.6 | 235.2 | 228.4 | 222.0 | 214.1 |
| 52.5° | 254.1 | 252.7 | 250.9 | 247.3 | 243.1 | 238.4 | 232.3 | 225.9 | 219.1 | 213.1 | 204.9 |
| 55° | 247.0 | 246.3 | 243.8 | 240.9 | 235.6 | 230.2 | 224.5 | 217.7 | 210.2 | 203.1 | 195.2 |
| 57.5° | 240.2 | 238.8 | 236.6 | 232.7 | 228.1 | 222.7 | 216.6 | 209.5 | 201.3 | 193.8 | 185.2 |
| 60° | 233.4 | 231.3 | 228.8 | 225.2 | 220.2 | 214.5 | 208.1 | 200.6 | 192.4 | 184.2 | 175.2 |
| 62.5° | 225.9 | 224.1 | 221.3 | 217.7 | 212.7 | 206.7 | 199.9 | 192.0 | 184.2 | 175.6 | 166.0 |
| 65° | 218.4 | 216.6 | 213.8 | 210.2 | 205.2 | 198.4 | 191.3 | 183.5 | 174.5 | 166.3 | 156.0 |
| 67.5° | 210.9 | 209.1 | 205.9 | 202.0 | 197.0 | 190.6 | 183.1 | 174.9 | 166.0 | 157.0 | 146.3 |
| 70° | 203.4 | 201.3 | 198.4 | 194.2 | 189.2 | 182.4 | 174.9 | 166.3 | 157.4 | 147.8 | 137.1 |
| 72.5° | 195.9 | 194.2 | 190.6 | 186.7 | 181.3 | 174.5 | 167.0 | 158.5 | 149.2 | 139.2 | 128.5 |
| 75° | 188.4 | 186.3 | 183.8 | 179.2 | 173.5 | 167.0 | 159.2 | 150.6 | 140.6 | 131.0 | 119.9 |
| 77.5° | 181.0 | 179.2 | 176.0 | 171.3 | 166.0 | 159.2 | 151.3 | 142.8 | 132.8 | 122.8 | 111.0 |
| 80° | 173.5 | 171.3 | 168.8 | 164.5 | 158.5 | 151.7 | 143.5 | 134.9 | 124.9 | 114.6 | 102.8 |
| 82.5° | 166.0 | 163.8 | 161.0 | 156.7 | 151.0 | 144.2 | 136.3 | 127.1 | 117.1 | 106.4 | 95.3 |
| 85° | 158.5 | 156.7 | 153.5 | 149.2 | 143.1 | 136.3 | 128.5 | 120.3 | 109.6 | 98.9 | 87.8 |
| 87.5° | 151.0 | 149.2 | 146.0 | 141.7 | 136.0 | 129.2 | 121.3 | 112.8 | 102.4 | 92.4 | 80.3 |
| 90° | 143.8 | 142.4 | 139.2 | 134.9 | 129.2 | 122.4 | 115.3 | 106.0 | 96.0 | 86.0 | 74.6 |
| 92.5° | 137.4 | 136.0 | 133.1 | 128.8 | 123.8 | 116.4 | 109.2 | 100.3 | 90.3 | 79.9 | 68.9 |
| 95° | 131.7 | 129.9 | 127.1 | 123.1 | 117.1 | 110.6 | 103.5 | 94.6 | 84.9 | 74.6 | 63.9 |
| 97.5° | 125.3 | 123.5 | 120.6 | 116.4 | 111.4 | 104.6 | 97.4 | 88.9 | 79.2 | 69.6 | 58.9 |
| 100° | 118.9 | 117.1 | 113.9 | 110.3 | 105.3 | 98.5 | 91.7 | 83.2 | 74.2 | 65.0 | 54.6 |
| 102.5° | 112.4 | 110.6 | 107.8 | 104.2 | 99.2 | 93.2 | 86.4 | 78.2 | 69.2 | 60.0 | 50.3 |
| 105° | 106.4 | 104.6 | 101.7 | 98.2 | 93.5 | 87.4 | 80.3 | 73.2 | 64.6 | 55.7 | 46.4 |
| 107.5° | 100.3 | 98.5 | 96.0 | 92.4 | 87.8 | 82.1 | 75.3 | 67.8 | 60.0 | 51.4 | 42.5 |
| 110° | 94.2 | 92.8 | 89.9 | 86.7 | 82.1 | 76.4 | 70.3 | 63.2 | 55.3 | 47.5 | 38.9 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 88.5 | 87.1 | 84.2 | 80.7 | 76.7 | 71.4 | 65.3 | 58.5 | 51.0 | 43.5 | 35.3 |
| 115° | 82.8 | 81.0 | 78.5 | 75.3 | 71.4 | 66.4 | 60.7 | 54.6 | 47.1 | 40.0 | 32.5 |
| 117.5° | 77.1 | 75.7 | 73.2 | 70.0 | 66.4 | 61.4 | 56.0 | 50.3 | 43.2 | 36.4 | 29.6 |
| 120° | 71.4 | 70.3 | 67.8 | 65.0 | 61.4 | 56.7 | 51.8 | 46.0 | 39.6 | 33.2 | 26.8 |
| 122.5° | 66.0 | 65.0 | 62.5 | 60.0 | 56.4 | 52.1 | 47.5 | 42.1 | 36.4 | 30.3 | 24.6 |
| 125° | 61.0 | 59.6 | 57.5 | 55.0 | 51.8 | 47.8 | 43.2 | 38.2 | 32.8 | 27.5 | 22.1 |
| 127.5° | 55.7 | 54.6 | 53.2 | 50.3 | 47.1 | 43.5 | 39.3 | 35.0 | 30.0 | 25.0 | 20.0 |
| 130° | 51.4 | 50.0 | 48.2 | 46.0 | 43.2 | 39.6 | 35.7 | 31.4 | 27.1 | 22.5 | 17.5 |
| 132.5° | 46.4 | 45.0 | 43.5 | 41.4 | 38.9 | 35.7 | 32.1 | 28.2 | 24.3 | 20.0 | 15.7 |
| 135° | 41.8 | 40.7 | 39.3 | 37.1 | 34.6 | 32.1 | 28.6 | 25.0 | 21.4 | 17.5 | 13.9 |
| 137.5° | 37.5 | 36.4 | 35.0 | 33.5 | 31.1 | 28.6 | 25.3 | 22.1 | 18.9 | 15.3 | 12.1 |
| 140° | 33.2 | 32.5 | 31.1 | 29.6 | 27.5 | 25.0 | 22.1 | 19.3 | 16.4 | 13.2 | 10.4 |
| 142.5° | 28.9 | 28.2 | 27.1 | 25.7 | 23.9 | 21.8 | 19.3 | 16.8 | 13.9 | 11.4 | 8.9 |
| 145° | 25.0 | 24.6 | 23.6 | 22.1 | 20.7 | 18.6 | 16.4 | 14.3 | 11.8 | 9.6 | 7.1 |
| 147.5° | 21.1 | 20.7 | 20.0 | 18.9 | 17.5 | 15.7 | 13.9 | 11.8 | 10.0 | 7.9 | 5.7 |
| 150° | 17.5 | 17.1 | 16.8 | 15.3 | 14.6 | 12.8 | 11.4 | 9.6 | 8.2 | 6.1 | 4.6 |
| 152.5° | 14.3 | 14.3 | 13.6 | 12.5 | 11.8 | 10.4 | 9.3 | 7.9 | 6.4 | 5.0 | 3.6 |
| 155° | 11.4 | 11.1 | 10.7 | 10.0 | 9.3 | 8.2 | 7.1 | 6.1 | 5.0 | 3.6 | 2.5 |
| 157.5° | 8.9 | 8.6 | 8.2 | 7.5 | 6.8 | 6.4 | 5.4 | 4.3 | 3.2 | 2.5 | 1.8 |
| 160° | 6.4 | 6.1 | 5.7 | 5.4 | 5.0 | 4.3 | 3.6 | 2.9 | 2.1 | 1.4 | 1.1 |
| 162.5° | 4.3 | 3.9 | 3.9 | 3.6 | 3.2 | 2.5 | 2.1 | 1.8 | 1.4 | 1.1 | 0.7 |
| 165° | 2.1 | 2.1 | 1.8 | 1.8 | 1.4 | 1.1 | 1.1 | 1.1 | 0.7 | 0.7 | 0.4 |
| 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: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 | 338.4 |
| 2.5° | 336.6 | 336.6 | 338.0 | 337.6 | 336.6 | 338.7 | 341.2 |
| 5° | 335.5 | 335.5 | 336.6 | 336.6 | 335.5 | 337.6 | 339.8 |
| 7.5° | 333.7 | 333.4 | 334.4 | 334.4 | 333.0 | 334.8 | 337.3 |
| 10° | 330.5 | 330.1 | 331.2 | 331.2 | 329.8 | 331.6 | 333.7 |
| 12.5° | 326.9 | 326.2 | 327.3 | 326.9 | 325.5 | 327.3 | 329.4 |
| 15° | 322.3 | 321.9 | 322.6 | 321.9 | 320.5 | 322.3 | 324.4 |
| 17.5° | 317.7 | 316.6 | 316.9 | 316.9 | 314.4 | 316.2 | 318.0 |
| 20° | 311.6 | 310.2 | 310.5 | 310.2 | 308.4 | 309.4 | 311.6 |
| 22.5° | 305.5 | 303.4 | 303.4 | 303.0 | 300.9 | 302.3 | 304.1 |
| 25° | 298.0 | 295.5 | 295.5 | 295.2 | 292.7 | 293.7 | 295.5 |
| 27.5° | 290.5 | 288.0 | 287.0 | 286.6 | 284.1 | 284.1 | 286.6 |
| 30° | 282.7 | 279.1 | 278.4 | 277.3 | 274.8 | 274.8 | 277.0 |
| 32.5° | 275.2 | 270.2 | 268.8 | 267.3 | 264.8 | 264.5 | 267.0 |
| 35° | 265.2 | 261.3 | 258.8 | 257.3 | 254.5 | 253.8 | 255.9 |
| 37.5° | 257.0 | 252.0 | 248.4 | 246.6 | 243.8 | 242.7 | 245.6 |
| 40° | 248.1 | 242.7 | 238.1 | 237.0 | 232.7 | 231.3 | 233.8 |
| 42.5° | 238.1 | 232.3 | 227.7 | 225.6 | 222.4 | 220.9 | 221.3 |
| 45° | 228.1 | 222.0 | 217.0 | 214.1 | 210.9 | 208.4 | 209.9 |
| 47.5° | 217.7 | 212.4 | 206.3 | 202.0 | 198.1 | 196.3 | 197.0 |
| 50° | 207.4 | 200.9 | 195.2 | 190.6 | 186.0 | 183.8 | 185.2 |
| 52.5° | 197.0 | 190.2 | 183.8 | 178.8 | 173.5 | 171.3 | 171.7 |
| 55° | 187.0 | 179.9 | 172.4 | 167.0 | 162.0 | 158.8 | 158.1 |
| 57.5° | 177.0 | 169.2 | 161.3 | 155.3 | 148.8 | 146.0 | 144.9 |
| 60° | 166.3 | 158.1 | 149.9 | 142.8 | 136.0 | 132.8 | 131.3 |
| 62.5° | 156.3 | 147.4 | 138.1 | 130.6 | 123.8 | 119.6 | 118.5 |
| 65° | 146.7 | 136.3 | 127.1 | 118.5 | 111.0 | 106.4 | 104.9 |
| 67.5° | 136.3 | 125.6 | 115.6 | 106.4 | 99.2 | 93.2 | 92.4 |
| 70° | 126.7 | 115.3 | 104.2 | 94.6 | 86.7 | 80.7 | 77.8 |
| 72.5° | 117.1 | 105.3 | 93.9 | 83.5 | 73.5 | 67.8 | 65.7 |
| 75° | 107.8 | 95.7 | 83.5 | 72.8 | 61.7 | 55.0 | 52.8 |
| 77.5° | 99.2 | 86.7 | 73.9 | 62.1 | 51.8 | 43.2 | 40.3 |
| 80° | 91.0 | 78.2 | 64.6 | 52.5 | 41.4 | 32.1 | 28.9 |
| 82.5° | 82.4 | 70.3 | 56.4 | 43.5 | 32.1 | 22.5 | 18.6 |
| 85° | 75.0 | 62.8 | 48.9 | 36.0 | 24.6 | 14.3 | 10.0 |
| 87.5° | 68.9 | 55.7 | 43.2 | 30.3 | 18.6 | 8.2 | 2.9 |
| 90° | 62.8 | 50.0 | 37.5 | 25.0 | 13.9 | 4.6 | 0.4 |
| 92.5° | 57.5 | 45.3 | 32.8 | 21.4 | 10.7 | 3.2 | 0.4 |
| 95° | 52.5 | 40.7 | 28.9 | 17.8 | 8.6 | 2.1 | 0.4 |
| 97.5° | 47.8 | 36.8 | 25.7 | 15.3 | 7.1 | 1.8 | 0.4 |
| 100° | 43.9 | 33.2 | 22.8 | 13.6 | 6.1 | 1.4 | 0.4 |
| 102.5° | 40.0 | 30.0 | 20.3 | 11.8 | 5.4 | 1.1 | 0.4 |
| 105° | 36.8 | 27.1 | 18.2 | 10.7 | 4.6 | 1.1 | 0.4 |
| 107.5° | 33.5 | 24.6 | 16.4 | 9.3 | 3.9 | 0.7 | 0.4 |
| 110° | 30.3 | 22.5 | 14.6 | 8.2 | 3.6 | 0.7 | 0.4 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-16SL-LW-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 27.8 | 20.3 | 13.2 | 7.5 | 2.9 | 0.7 | 0.4 |
| 115° | 25.3 | 18.2 | 11.8 | 6.4 | 2.5 | 0.4 | 0.4 |
| 117.5° | 22.8 | 16.4 | 10.4 | 5.7 | 2.1 | 0.4 | 0.4 |
| 120° | 20.7 | 14.6 | 9.3 | 5.0 | 1.8 | 0.4 | 0.4 |
| 122.5° | 18.6 | 13.2 | 8.2 | 4.3 | 1.4 | 0.4 | 0.4 |
| 125° | 16.8 | 11.8 | 7.1 | 3.6 | 1.1 | 0.4 | 0.4 |
| 127.5° | 15.0 | 10.4 | 6.4 | 3.2 | 1.1 | 0.4 | 0.4 |
| 130° | 13.2 | 9.3 | 5.4 | 2.5 | 0.7 | 0.4 | 0.4 |
| 132.5° | 11.8 | 7.9 | 4.6 | 2.1 | 0.7 | 0.4 | 0.4 |
| 135° | 10.4 | 6.8 | 3.9 | 1.4 | 0.7 | 0.4 | 0.4 |
| 137.5° | 8.9 | 5.7 | 3.2 | 1.1 | 0.4 | 0.4 | 0.4 |
| 140° | 7.5 | 5.0 | 2.5 | 1.1 | 0.4 | 0.4 | 0.4 |
| 142.5° | 6.4 | 3.9 | 1.8 | 0.7 | 0.4 | 0.4 | 0.4 |
| 145° | 5.0 | 3.2 | 1.4 | 0.7 | 0.4 | 0.4 | 0.4 |
| 147.5° | 3.9 | 2.5 | 1.1 | 0.7 | 0.4 | 0.4 | 0.4 |
| 150° | 2.9 | 1.8 | 1.1 | 0.4 | 0.4 | 0.4 | 0.4 |
| 152.5° | 2.1 | 1.4 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 |
| 155° | 1.4 | 1.1 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 |
| 157.5° | 1.1 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 160° | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 162.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 165° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 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)