

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: **8SNLED-LD5-83SL-LN-UNV-L930-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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

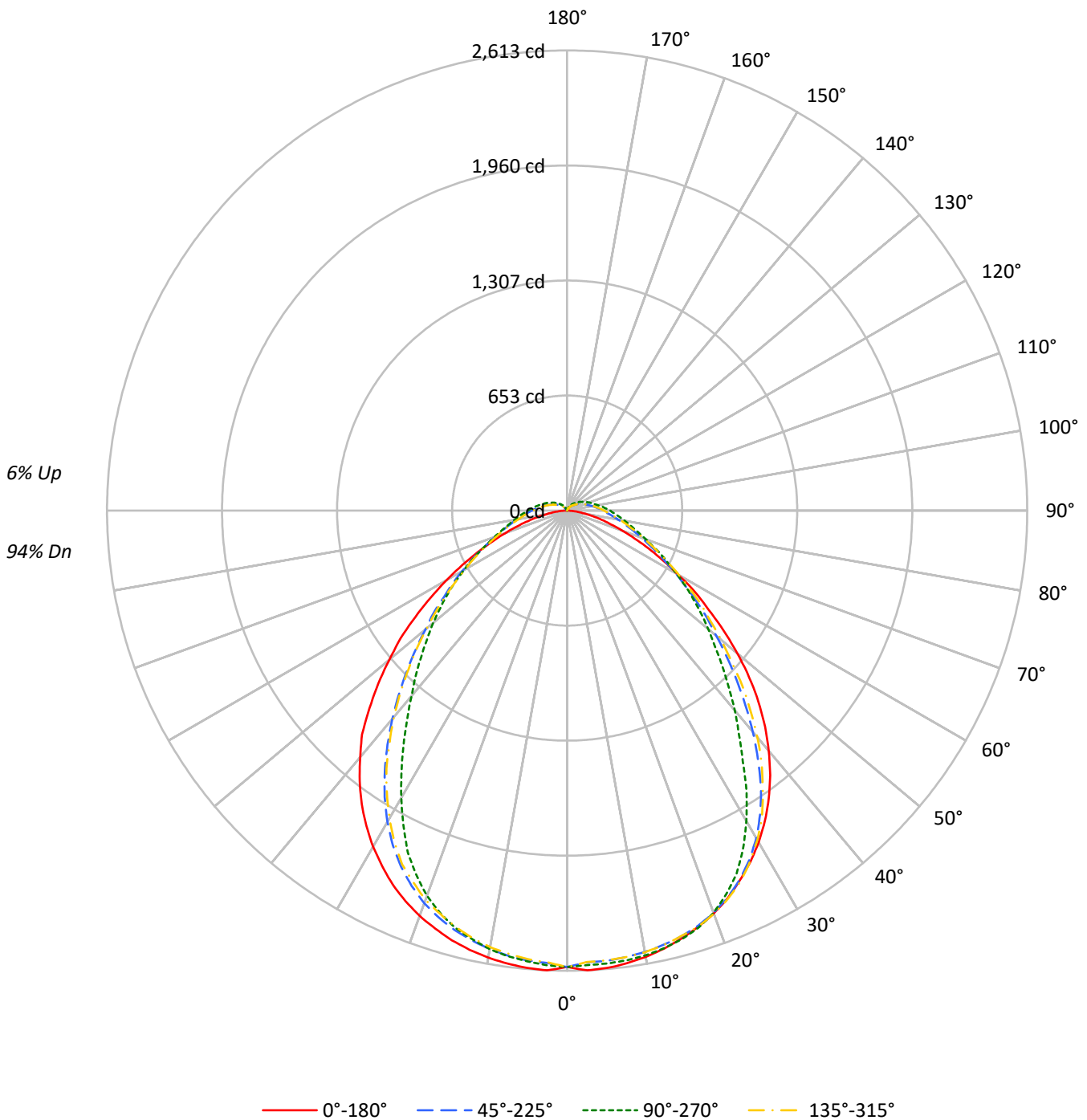
Lumens per Lamp: N/A
Luminaire Lumens: 6559.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.14 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-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° | 10472 | 10472 | 10472 | 10472 |
| 5° | 10561 | 10139 | 10561 | 10094 |
| 10° | 10528 | 9869 | 10546 | 9732 |
| 15° | 10476 | 9574 | 10523 | 9325 |
| 20° | 10410 | 9195 | 10472 | 8807 |
| 25° | 10259 | 8633 | 10373 | 8124 |
| 30° | 10059 | 7806 | 10191 | 7227 |
| 35° | 9738 | 6793 | 9926 | 6326 |
| 40° | 9270 | 5941 | 9515 | 5512 |
| 45° | 8646 | 5165 | 8927 | 4868 |
| 50° | 7786 | 4538 | 8129 | 4309 |
| 55° | 6758 | 4008 | 7250 | 3805 |
| 60° | 5709 | 3519 | 6225 | 3316 |
| 65° | 4708 | 3111 | 5183 | 2885 |
| 70° | 3779 | 2761 | 4231 | 2554 |
| 75° | 3008 | 2549 | 3385 | 2345 |
| 80° | 2225 | 2459 | 2620 | 2247 |
| 85° | 1459 | 2474 | 1963 | 2274 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 245.7 | 3.7 |
| 10°-20° | 704.6 | 10.7 |
| 20°-30° | 1044.2 | 15.9 |
| 30°-40° | 1160.1 | 17.7 |
| 40°-50° | 1051.6 | 16.0 |
| 50°-60° | 814.9 | 12.4 |
| 60°-70° | 553.3 | 8.4 |
| 70°-80° | 352.0 | 5.4 |
| 80°-90° | 225.1 | 3.4 |
| 90°-100° | 151.7 | 2.3 |
| 100°-110° | 103.9 | 1.6 |
| 110°-120° | 69.3 | 1.1 |
| 120°-130° | 43.1 | 0.7 |
| 130°-140° | 23.9 | 0.4 |
| 140°-150° | 11.2 | 0.2 |
| 150°-160° | 4.1 | 0.1 |
| 160°-170° | 0.3 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1994.5 | 30.4 |
| 0°-40° | 3154.5 | 48.1 |
| 0°-60° | 5021.0 | 76.6 |
| 0°-90° | 6151.4 | 93.8 |
| 90°-120° | 325.0 | 5.0 |
| 90°-150° | 403.2 | 6.1 |
| 90°-180° | 408.0 | 6.2 |
| 0°-180° | 6559.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2592 | 2592 | 2592 | 2592 | 2592 | |
| 5° | 2607 | 2582 | 2607 | 2570 | 2607 | 248 |
| 15° | 2515 | 2519 | 2526 | 2454 | 2515 | 710 |
| 25° | 2318 | 2275 | 2344 | 2141 | 2318 | 1068 |
| 35° | 1996 | 1739 | 2034 | 1620 | 1996 | 1245 |
| 45° | 1537 | 1243 | 1587 | 1172 | 1537 | 1180 |
| 55° | 981 | 874 | 1052 | 830 | 981 | 883 |
| 65° | 509 | 587 | 560 | 545 | 509 | 510 |
| 75° | 204 | 392 | 230 | 361 | 204 | 220 |
| 85° | 37 | 282 | 50 | 260 | 37 | 44 |
| 90° | 0 | 244 | 3 | 222 | 0 | 2 |
| 95° | 1 | 208 | 0 | 194 | 1 | 1 |
| 105° | 1 | 152 | 0 | 144 | 1 | 1 |
| 115° | 1 | 116 | 0 | 107 | 1 | 1 |
| 125° | 1 | 86 | 1 | 76 | 1 | 1 |
| 135° | 1 | 60 | 1 | 48 | 1 | 1 |
| 145° | 1 | 38 | 1 | 27 | 1 | 1 |
| 155° | 1 | 21 | 1 | 10 | 1 | 1 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 |
| 2.5° | 2613.1 | 2610.3 | 2607.4 | 2603.1 | 2607.4 | 2618.8 | 2611.7 | 2596.0 | 2593.2 | 2567.5 | 2578.9 |
| 5° | 2607.4 | 2603.1 | 2600.3 | 2596.0 | 2601.7 | 2616.0 | 2608.8 | 2594.6 | 2590.3 | 2566.1 | 2578.9 |
| 7.5° | 2593.2 | 2590.3 | 2586.0 | 2586.0 | 2591.7 | 2606.0 | 2600.3 | 2584.6 | 2581.8 | 2557.5 | 2571.8 |
| 10° | 2573.2 | 2571.8 | 2568.9 | 2568.9 | 2574.6 | 2591.7 | 2584.6 | 2570.4 | 2567.5 | 2544.7 | 2560.4 |
| 12.5° | 2547.5 | 2549.0 | 2544.7 | 2544.7 | 2553.2 | 2570.4 | 2564.6 | 2549.0 | 2546.1 | 2526.2 | 2541.8 |
| 15° | 2514.8 | 2516.2 | 2513.3 | 2514.8 | 2523.3 | 2543.3 | 2536.1 | 2521.9 | 2519.0 | 2503.3 | 2516.2 |
| 17.5° | 2477.7 | 2479.1 | 2479.1 | 2477.7 | 2487.7 | 2507.6 | 2501.9 | 2489.1 | 2484.8 | 2472.0 | 2487.7 |
| 20° | 2434.9 | 2434.9 | 2434.9 | 2434.9 | 2446.3 | 2466.3 | 2459.2 | 2449.2 | 2440.6 | 2430.6 | 2443.5 |
| 22.5° | 2382.2 | 2380.7 | 2382.2 | 2386.4 | 2397.9 | 2413.5 | 2409.3 | 2397.9 | 2385.0 | 2379.3 | 2389.3 |
| 25° | 2318.0 | 2322.3 | 2323.7 | 2328.0 | 2342.3 | 2355.1 | 2350.8 | 2339.4 | 2319.4 | 2315.2 | 2318.0 |
| 27.5° | 2251.0 | 2253.9 | 2258.1 | 2256.7 | 2276.7 | 2289.5 | 2281.0 | 2271.0 | 2242.5 | 2238.2 | 2235.3 |
| 30° | 2175.5 | 2179.7 | 2182.6 | 2181.2 | 2196.8 | 2211.1 | 2202.5 | 2189.7 | 2151.2 | 2148.4 | 2125.6 |
| 32.5° | 2089.9 | 2094.2 | 2097.1 | 2097.1 | 2119.9 | 2125.6 | 2109.9 | 2091.4 | 2050.0 | 2040.0 | 2020.1 |
| 35° | 1995.8 | 2000.1 | 2001.5 | 2001.5 | 2024.3 | 2022.9 | 2003.0 | 1977.3 | 1931.7 | 1918.9 | 1884.6 |
| 37.5° | 1894.6 | 1897.5 | 1898.9 | 1907.4 | 1917.4 | 1908.9 | 1883.2 | 1850.4 | 1816.2 | 1780.6 | 1743.5 |
| 40° | 1780.6 | 1784.8 | 1787.7 | 1793.4 | 1803.4 | 1793.4 | 1756.3 | 1716.4 | 1679.4 | 1639.4 | 1602.4 |
| 42.5° | 1663.7 | 1676.5 | 1673.7 | 1672.2 | 1677.9 | 1650.8 | 1622.3 | 1576.7 | 1539.6 | 1498.3 | 1461.2 |
| 45° | 1536.8 | 1535.4 | 1542.5 | 1545.3 | 1543.9 | 1521.1 | 1481.2 | 1439.9 | 1402.8 | 1360.0 | 1328.7 |
| 47.5° | 1402.8 | 1401.4 | 1407.1 | 1409.9 | 1401.4 | 1377.1 | 1345.8 | 1298.7 | 1267.4 | 1230.3 | 1206.1 |
| 50° | 1261.7 | 1261.7 | 1270.2 | 1261.7 | 1257.4 | 1233.1 | 1207.5 | 1160.4 | 1136.2 | 1103.4 | 1089.2 |
| 52.5° | 1120.5 | 1133.3 | 1124.8 | 1121.9 | 1117.7 | 1093.4 | 1073.5 | 1035.0 | 1015.0 | 1000.8 | 983.7 |
| 55° | 980.8 | 995.1 | 989.4 | 985.1 | 983.7 | 963.7 | 945.2 | 916.7 | 903.8 | 893.8 | 883.9 |
| 57.5° | 862.5 | 861.1 | 858.2 | 853.9 | 855.4 | 839.7 | 821.1 | 805.5 | 799.8 | 795.5 | 798.3 |
| 60° | 725.6 | 737.0 | 732.8 | 734.2 | 735.6 | 732.8 | 717.1 | 707.1 | 708.5 | 709.9 | 714.2 |
| 62.5° | 613.0 | 623.0 | 630.1 | 624.4 | 627.3 | 631.5 | 623.0 | 620.1 | 625.8 | 631.5 | 637.2 |
| 65° | 508.9 | 518.9 | 526.0 | 524.6 | 533.2 | 541.7 | 540.3 | 543.2 | 556.0 | 563.1 | 570.2 |
| 67.5° | 414.8 | 424.8 | 434.8 | 436.2 | 449.1 | 461.9 | 467.6 | 477.6 | 491.8 | 501.8 | 510.4 |
| 70° | 333.6 | 342.1 | 353.5 | 360.7 | 377.8 | 394.9 | 404.9 | 424.8 | 433.4 | 447.6 | 453.3 |
| 72.5° | 260.9 | 268.0 | 283.7 | 300.8 | 315.1 | 336.4 | 356.4 | 373.5 | 386.3 | 402.0 | 409.1 |
| 75° | 203.9 | 206.7 | 223.8 | 243.8 | 263.7 | 288.0 | 309.4 | 327.9 | 345.0 | 360.7 | 372.1 |
| 77.5° | 149.7 | 154.0 | 169.6 | 196.7 | 219.5 | 245.2 | 269.4 | 289.4 | 307.9 | 323.6 | 339.3 |
| 80° | 104.1 | 112.6 | 129.7 | 156.8 | 182.5 | 211.0 | 233.8 | 256.6 | 276.6 | 292.2 | 307.9 |
| 82.5° | 67.0 | 74.1 | 98.4 | 125.5 | 152.5 | 181.1 | 205.3 | 228.1 | 249.5 | 266.6 | 280.8 |
| 85° | 37.1 | 47.0 | 71.3 | 99.8 | 126.9 | 155.4 | 181.1 | 203.9 | 225.2 | 240.9 | 255.2 |
| 87.5° | 14.3 | 28.5 | 51.3 | 78.4 | 105.5 | 132.6 | 159.7 | 181.1 | 202.4 | 219.5 | 232.4 |
| 90° | 0.0 | 17.1 | 38.5 | 65.6 | 92.7 | 119.8 | 145.4 | 168.2 | 188.2 | 203.9 | 218.1 |
| 92.5° | 1.4 | 11.4 | 29.9 | 52.7 | 78.4 | 104.1 | 128.3 | 151.1 | 171.1 | 186.8 | 199.6 |
| 95° | 1.4 | 8.6 | 24.2 | 45.6 | 68.4 | 92.7 | 115.5 | 136.9 | 155.4 | 171.1 | 183.9 |
| 97.5° | 1.4 | 5.7 | 20.0 | 39.9 | 59.9 | 84.1 | 105.5 | 125.5 | 142.6 | 158.2 | 168.2 |
| 100° | 1.4 | 5.7 | 17.1 | 34.2 | 54.2 | 75.6 | 95.5 | 115.5 | 131.2 | 144.0 | 155.4 |
| 102.5° | 1.4 | 4.3 | 14.3 | 29.9 | 48.5 | 67.0 | 87.0 | 105.5 | 119.8 | 132.6 | 144.0 |
| 105° | 1.4 | 4.3 | 12.8 | 25.7 | 42.8 | 61.3 | 78.4 | 95.5 | 111.2 | 122.6 | 132.6 |
| 107.5° | 1.4 | 2.9 | 11.4 | 21.4 | 37.1 | 55.6 | 72.7 | 87.0 | 101.2 | 112.6 | 122.6 |
| 110° | 1.4 | 2.9 | 10.0 | 20.0 | 32.8 | 49.9 | 65.6 | 79.8 | 92.7 | 104.1 | 112.6 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|------|------|------|------|------|------|------|-------|
| 112.5° | 1.4 | 2.9 | 8.6 | 18.5 | 29.9 | 44.2 | 59.9 | 72.7 | 85.5 | 95.5 | 104.1 |
| 115° | 1.4 | 2.9 | 8.6 | 17.1 | 27.1 | 38.5 | 52.7 | 67.0 | 77.0 | 88.4 | 95.5 |
| 117.5° | 1.4 | 2.9 | 7.1 | 14.3 | 25.7 | 35.6 | 48.5 | 59.9 | 71.3 | 81.3 | 88.4 |
| 120° | 1.4 | 2.9 | 7.1 | 12.8 | 22.8 | 32.8 | 42.8 | 54.2 | 65.6 | 72.7 | 79.8 |
| 122.5° | 1.4 | 2.9 | 5.7 | 12.8 | 20.0 | 29.9 | 38.5 | 48.5 | 58.4 | 67.0 | 74.1 |
| 125° | 1.4 | 2.9 | 5.7 | 11.4 | 18.5 | 27.1 | 35.6 | 42.8 | 52.7 | 59.9 | 67.0 |
| 127.5° | 1.4 | 2.9 | 5.7 | 10.0 | 17.1 | 24.2 | 32.8 | 39.9 | 47.0 | 54.2 | 59.9 |
| 130° | 1.4 | 2.9 | 4.3 | 8.6 | 15.7 | 21.4 | 28.5 | 37.1 | 42.8 | 48.5 | 54.2 |
| 132.5° | 1.4 | 2.9 | 4.3 | 8.6 | 12.8 | 18.5 | 25.7 | 32.8 | 38.5 | 44.2 | 48.5 |
| 135° | 1.4 | 2.9 | 4.3 | 7.1 | 11.4 | 17.1 | 21.4 | 28.5 | 34.2 | 39.9 | 44.2 |
| 137.5° | 1.4 | 2.9 | 4.3 | 7.1 | 10.0 | 14.3 | 18.5 | 24.2 | 29.9 | 34.2 | 39.9 |
| 140° | 1.4 | 2.9 | 4.3 | 5.7 | 8.6 | 12.8 | 17.1 | 20.0 | 25.7 | 29.9 | 34.2 |
| 142.5° | 1.4 | 2.9 | 4.3 | 5.7 | 8.6 | 11.4 | 14.3 | 17.1 | 21.4 | 25.7 | 29.9 |
| 145° | 1.4 | 2.9 | 4.3 | 5.7 | 7.1 | 10.0 | 12.8 | 15.7 | 17.1 | 21.4 | 24.2 |
| 147.5° | 1.4 | 2.9 | 4.3 | 5.7 | 5.7 | 8.6 | 11.4 | 12.8 | 15.7 | 17.1 | 20.0 |
| 150° | 1.4 | 2.9 | 4.3 | 4.3 | 5.7 | 7.1 | 10.0 | 11.4 | 12.8 | 15.7 | 17.1 |
| 152.5° | 1.4 | 2.9 | 4.3 | 4.3 | 5.7 | 7.1 | 8.6 | 10.0 | 11.4 | 12.8 | 14.3 |
| 155° | 1.4 | 2.9 | 4.3 | 4.3 | 4.3 | 5.7 | 7.1 | 8.6 | 10.0 | 11.4 | 12.8 |
| 157.5° | 2.9 | 2.9 | 2.9 | 4.3 | 4.3 | 5.7 | 5.7 | 7.1 | 8.6 | 8.6 | 10.0 |
| 160° | 2.9 | 2.9 | 2.9 | 4.3 | 4.3 | 4.3 | 5.7 | 5.7 | 7.1 | 7.1 | 8.6 |
| 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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 |
| 2.5° | 2576.1 | 2580.3 | 2593.2 | 2593.2 | 2590.3 | 2587.5 | 2587.5 | 2583.2 | 2586.0 | 2591.7 | 2588.9 |
| 5° | 2576.1 | 2580.3 | 2593.2 | 2593.2 | 2590.3 | 2587.5 | 2586.0 | 2581.8 | 2586.0 | 2591.7 | 2588.9 |
| 7.5° | 2567.5 | 2573.2 | 2586.0 | 2586.0 | 2583.2 | 2581.8 | 2578.9 | 2576.1 | 2580.3 | 2586.0 | 2583.2 |
| 10° | 2556.1 | 2561.8 | 2574.6 | 2574.6 | 2571.8 | 2571.8 | 2567.5 | 2564.6 | 2570.4 | 2574.6 | 2573.2 |
| 12.5° | 2539.0 | 2546.1 | 2557.5 | 2556.1 | 2553.2 | 2554.7 | 2550.4 | 2544.7 | 2550.4 | 2554.7 | 2556.1 |
| 15° | 2514.8 | 2523.3 | 2534.7 | 2531.9 | 2527.6 | 2530.4 | 2523.3 | 2519.0 | 2523.3 | 2531.9 | 2530.4 |
| 17.5° | 2483.4 | 2489.1 | 2497.6 | 2497.6 | 2493.4 | 2490.5 | 2487.7 | 2483.4 | 2486.2 | 2491.9 | 2493.4 |
| 20° | 2439.2 | 2446.3 | 2450.6 | 2446.3 | 2444.9 | 2440.6 | 2434.9 | 2430.6 | 2436.3 | 2444.9 | 2446.3 |
| 22.5° | 2380.7 | 2382.2 | 2392.2 | 2382.2 | 2375.0 | 2373.6 | 2367.9 | 2359.4 | 2367.9 | 2375.0 | 2376.5 |
| 25° | 2308.0 | 2315.2 | 2310.9 | 2293.8 | 2293.8 | 2282.4 | 2279.5 | 2275.3 | 2276.7 | 2289.5 | 2295.2 |
| 27.5° | 2215.4 | 2218.2 | 2206.8 | 2192.6 | 2179.7 | 2172.6 | 2162.6 | 2164.1 | 2164.1 | 2181.2 | 2186.9 |
| 30° | 2114.2 | 2098.5 | 2088.5 | 2065.7 | 2055.7 | 2038.6 | 2035.8 | 2035.8 | 2032.9 | 2041.5 | 2067.1 |
| 32.5° | 1993.0 | 1971.6 | 1955.9 | 1934.5 | 1917.4 | 1900.3 | 1891.8 | 1896.0 | 1894.6 | 1916.0 | 1924.6 |
| 35° | 1860.4 | 1847.6 | 1814.8 | 1787.7 | 1777.7 | 1752.1 | 1752.1 | 1739.2 | 1747.8 | 1772.0 | 1782.0 |
| 37.5° | 1720.7 | 1700.7 | 1673.7 | 1643.7 | 1636.6 | 1616.6 | 1609.5 | 1602.4 | 1620.9 | 1625.2 | 1635.2 |
| 40° | 1578.1 | 1559.6 | 1533.9 | 1505.4 | 1505.4 | 1481.2 | 1481.2 | 1481.2 | 1482.6 | 1491.2 | 1509.7 |
| 42.5° | 1442.7 | 1422.7 | 1399.9 | 1380.0 | 1377.1 | 1358.6 | 1358.6 | 1357.2 | 1360.0 | 1367.1 | 1384.3 |
| 45° | 1311.5 | 1295.9 | 1271.6 | 1261.7 | 1263.1 | 1243.1 | 1247.4 | 1243.1 | 1248.8 | 1256.0 | 1261.7 |
| 47.5° | 1190.4 | 1180.4 | 1170.4 | 1156.2 | 1151.9 | 1150.5 | 1143.3 | 1137.6 | 1147.6 | 1147.6 | 1156.2 |
| 50° | 1077.8 | 1072.0 | 1066.3 | 1057.8 | 1059.2 | 1053.5 | 1045.0 | 1045.0 | 1052.1 | 1053.5 | 1059.2 |
| 52.5° | 979.4 | 972.3 | 965.1 | 966.6 | 968.0 | 965.1 | 960.9 | 956.6 | 960.9 | 963.7 | 970.8 |
| 55° | 881.0 | 875.3 | 882.4 | 879.6 | 882.4 | 879.6 | 876.7 | 873.9 | 881.0 | 876.7 | 883.9 |
| 57.5° | 792.6 | 798.3 | 801.2 | 795.5 | 799.8 | 796.9 | 798.3 | 794.1 | 799.8 | 802.6 | 801.2 |
| 60° | 711.4 | 719.9 | 715.6 | 717.1 | 722.8 | 719.9 | 714.2 | 718.5 | 724.2 | 725.6 | 724.2 |
| 62.5° | 637.2 | 647.2 | 651.5 | 648.6 | 650.1 | 647.2 | 651.5 | 645.8 | 652.9 | 655.8 | 651.5 |
| 65° | 570.2 | 581.6 | 584.5 | 584.5 | 584.5 | 581.6 | 585.9 | 587.3 | 590.2 | 590.2 | 587.3 |
| 67.5° | 513.2 | 523.2 | 526.0 | 528.9 | 526.0 | 523.2 | 523.2 | 524.6 | 530.3 | 533.2 | 530.3 |
| 70° | 461.9 | 471.9 | 473.3 | 473.3 | 474.7 | 477.6 | 471.9 | 474.7 | 479.0 | 480.4 | 479.0 |
| 72.5° | 417.7 | 427.7 | 430.5 | 429.1 | 430.5 | 432.0 | 432.0 | 429.1 | 433.4 | 436.2 | 436.2 |
| 75° | 382.1 | 387.8 | 390.6 | 390.6 | 392.0 | 393.5 | 393.5 | 392.0 | 394.9 | 396.3 | 397.7 |
| 77.5° | 349.3 | 353.5 | 357.8 | 357.8 | 359.3 | 357.8 | 360.7 | 360.7 | 362.1 | 363.5 | 365.0 |
| 80° | 316.5 | 322.2 | 325.0 | 326.5 | 329.3 | 330.7 | 330.7 | 330.7 | 332.2 | 333.6 | 333.6 |
| 82.5° | 290.8 | 295.1 | 299.4 | 303.7 | 303.7 | 305.1 | 305.1 | 305.1 | 306.5 | 306.5 | 307.9 |
| 85° | 265.2 | 270.9 | 275.1 | 278.0 | 279.4 | 280.8 | 280.8 | 282.3 | 282.3 | 282.3 | 283.7 |
| 87.5° | 242.4 | 249.5 | 252.3 | 255.2 | 256.6 | 259.5 | 259.5 | 259.5 | 260.9 | 260.9 | 260.9 |
| 90° | 226.7 | 233.8 | 236.6 | 239.5 | 240.9 | 242.4 | 242.4 | 243.8 | 243.8 | 245.2 | 245.2 |
| 92.5° | 208.1 | 215.3 | 221.0 | 221.0 | 222.4 | 225.2 | 223.8 | 223.8 | 225.2 | 226.7 | 226.7 |
| 95° | 193.9 | 199.6 | 203.9 | 205.3 | 206.7 | 206.7 | 206.7 | 208.1 | 206.7 | 208.1 | 208.1 |
| 97.5° | 176.8 | 182.5 | 186.8 | 189.6 | 191.0 | 191.0 | 191.0 | 192.5 | 191.0 | 192.5 | 192.5 |
| 100° | 162.5 | 168.2 | 172.5 | 173.9 | 176.8 | 176.8 | 176.8 | 176.8 | 176.8 | 176.8 | 178.2 |
| 102.5° | 151.1 | 156.8 | 159.7 | 161.1 | 162.5 | 163.9 | 163.9 | 163.9 | 163.9 | 165.4 | 165.4 |
| 105° | 139.7 | 145.4 | 148.3 | 149.7 | 151.1 | 152.5 | 152.5 | 152.5 | 154.0 | 154.0 | 152.5 |
| 107.5° | 129.7 | 134.0 | 136.9 | 139.7 | 141.1 | 141.1 | 142.6 | 142.6 | 142.6 | 142.6 | 142.6 |
| 110° | 119.8 | 124.0 | 128.3 | 131.2 | 131.2 | 132.6 | 132.6 | 134.0 | 134.0 | 132.6 | 134.0 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 109.8 | 115.5 | 118.3 | 121.2 | 122.6 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 | 124.0 |
| 115° | 101.2 | 106.9 | 109.8 | 112.6 | 114.0 | 115.5 | 115.5 | 115.5 | 115.5 | 115.5 | 115.5 |
| 117.5° | 94.1 | 99.8 | 102.6 | 104.1 | 105.5 | 106.9 | 108.3 | 108.3 | 108.3 | 108.3 | 106.9 |
| 120° | 87.0 | 91.2 | 94.1 | 96.9 | 98.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 122.5° | 79.8 | 84.1 | 87.0 | 89.8 | 91.2 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 125° | 72.7 | 77.0 | 79.8 | 82.7 | 84.1 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 127.5° | 65.6 | 69.9 | 74.1 | 75.6 | 77.0 | 78.4 | 78.4 | 78.4 | 79.8 | 78.4 | 78.4 |
| 130° | 58.4 | 62.7 | 67.0 | 68.4 | 69.9 | 71.3 | 72.7 | 72.7 | 72.7 | 72.7 | 71.3 |
| 132.5° | 52.7 | 57.0 | 59.9 | 61.3 | 64.2 | 64.2 | 65.6 | 65.6 | 65.6 | 65.6 | 64.2 |
| 135° | 48.5 | 51.3 | 54.2 | 55.6 | 58.4 | 58.4 | 58.4 | 59.9 | 59.9 | 58.4 | 57.0 |
| 137.5° | 42.8 | 45.6 | 48.5 | 49.9 | 51.3 | 52.7 | 52.7 | 54.2 | 52.7 | 52.7 | 52.7 |
| 140° | 39.9 | 41.3 | 44.2 | 45.6 | 47.0 | 47.0 | 47.0 | 48.5 | 48.5 | 47.0 | 47.0 |
| 142.5° | 34.2 | 37.1 | 39.9 | 41.3 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| 145° | 28.5 | 32.8 | 34.2 | 37.1 | 37.1 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 37.1 |
| 147.5° | 24.2 | 27.1 | 31.4 | 32.8 | 32.8 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 32.8 |
| 150° | 18.5 | 21.4 | 25.7 | 28.5 | 28.5 | 29.9 | 29.9 | 29.9 | 29.9 | 28.5 | 28.5 |
| 152.5° | 15.7 | 18.5 | 20.0 | 22.8 | 24.2 | 24.2 | 24.2 | 25.7 | 24.2 | 24.2 | 24.2 |
| 155° | 14.3 | 15.7 | 17.1 | 18.5 | 20.0 | 21.4 | 21.4 | 21.4 | 21.4 | 20.0 | 20.0 |
| 157.5° | 11.4 | 12.8 | 14.3 | 15.7 | 17.1 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 17.1 |
| 160° | 8.6 | 10.0 | 11.4 | 11.4 | 12.8 | 14.3 | 15.7 | 14.3 | 14.3 | 14.3 | 14.3 |
| 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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 |
| 2.5° | 2586.0 | 2584.6 | 2588.9 | 2581.8 | 2560.4 | 2566.1 | 2563.2 | 2576.1 | 2578.9 | 2581.8 | 2594.6 |
| 5° | 2586.0 | 2584.6 | 2587.5 | 2581.8 | 2558.9 | 2563.2 | 2560.4 | 2573.2 | 2576.1 | 2577.5 | 2590.3 |
| 7.5° | 2580.3 | 2578.9 | 2583.2 | 2576.1 | 2551.8 | 2557.5 | 2553.2 | 2566.1 | 2567.5 | 2568.9 | 2580.3 |
| 10° | 2568.9 | 2567.5 | 2570.4 | 2564.6 | 2540.4 | 2546.1 | 2540.4 | 2553.2 | 2553.2 | 2556.1 | 2564.6 |
| 12.5° | 2551.8 | 2549.0 | 2554.7 | 2547.5 | 2520.5 | 2527.6 | 2524.7 | 2533.3 | 2534.7 | 2536.1 | 2544.7 |
| 15° | 2527.6 | 2524.7 | 2529.0 | 2524.7 | 2500.5 | 2501.9 | 2497.6 | 2510.5 | 2511.9 | 2509.1 | 2517.6 |
| 17.5° | 2491.9 | 2489.1 | 2497.6 | 2494.8 | 2470.6 | 2476.3 | 2474.8 | 2477.7 | 2482.0 | 2474.8 | 2486.2 |
| 20° | 2447.7 | 2450.6 | 2453.5 | 2454.9 | 2436.3 | 2436.3 | 2434.9 | 2440.6 | 2444.9 | 2439.2 | 2447.7 |
| 22.5° | 2382.2 | 2389.3 | 2397.9 | 2400.7 | 2387.9 | 2386.4 | 2395.0 | 2392.2 | 2396.4 | 2393.6 | 2399.3 |
| 25° | 2299.5 | 2313.7 | 2322.3 | 2330.9 | 2323.7 | 2326.6 | 2339.4 | 2342.3 | 2342.3 | 2340.8 | 2346.5 |
| 27.5° | 2196.8 | 2215.4 | 2231.1 | 2249.6 | 2242.5 | 2248.2 | 2269.6 | 2272.4 | 2278.1 | 2272.4 | 2283.8 |
| 30° | 2074.2 | 2091.4 | 2121.3 | 2148.4 | 2151.2 | 2159.8 | 2189.7 | 2192.6 | 2208.2 | 2202.5 | 2206.8 |
| 32.5° | 1951.6 | 1960.2 | 1994.4 | 2021.5 | 2038.6 | 2060.0 | 2092.8 | 2098.5 | 2119.9 | 2124.1 | 2124.1 |
| 35° | 1797.7 | 1821.9 | 1853.3 | 1891.8 | 1913.2 | 1936.0 | 1980.2 | 1988.7 | 2020.1 | 2030.0 | 2041.5 |
| 37.5° | 1667.9 | 1690.8 | 1710.7 | 1750.6 | 1789.1 | 1814.8 | 1850.4 | 1871.8 | 1904.6 | 1923.1 | 1937.4 |
| 40° | 1529.7 | 1548.2 | 1569.6 | 1609.5 | 1642.3 | 1680.8 | 1716.4 | 1742.1 | 1783.4 | 1804.8 | 1823.3 |
| 42.5° | 1398.5 | 1412.8 | 1435.6 | 1464.1 | 1498.3 | 1541.1 | 1575.3 | 1605.2 | 1649.4 | 1679.4 | 1700.7 |
| 45° | 1281.6 | 1290.2 | 1310.1 | 1331.5 | 1361.4 | 1405.6 | 1438.4 | 1476.9 | 1512.6 | 1543.9 | 1569.6 |
| 47.5° | 1171.8 | 1183.2 | 1193.2 | 1207.5 | 1234.6 | 1261.7 | 1300.1 | 1337.2 | 1372.8 | 1407.1 | 1432.7 |
| 50° | 1070.6 | 1070.6 | 1086.3 | 1096.3 | 1114.8 | 1139.1 | 1169.0 | 1194.7 | 1238.8 | 1263.1 | 1295.9 |
| 52.5° | 972.3 | 978.0 | 986.5 | 992.2 | 1006.5 | 1022.2 | 1046.4 | 1067.8 | 1104.8 | 1127.6 | 1159.0 |
| 55° | 885.3 | 891.0 | 895.3 | 898.1 | 906.7 | 925.2 | 933.8 | 950.9 | 976.5 | 995.1 | 1022.2 |
| 57.5° | 802.6 | 805.5 | 809.7 | 811.2 | 812.6 | 824.0 | 831.1 | 835.4 | 861.1 | 879.6 | 902.4 |
| 60° | 727.1 | 727.1 | 731.3 | 729.9 | 728.5 | 734.2 | 732.8 | 737.0 | 752.7 | 764.1 | 774.1 |
| 62.5° | 655.8 | 655.8 | 657.2 | 654.3 | 652.9 | 652.9 | 647.2 | 651.5 | 655.8 | 657.2 | 664.3 |
| 65° | 590.2 | 597.3 | 591.6 | 593.0 | 584.5 | 581.6 | 578.8 | 570.2 | 568.8 | 563.1 | 566.0 |
| 67.5° | 531.7 | 537.5 | 531.7 | 531.7 | 524.6 | 518.9 | 511.8 | 497.5 | 493.3 | 481.9 | 479.0 |
| 70° | 484.7 | 480.4 | 483.3 | 479.0 | 470.4 | 463.3 | 453.3 | 441.9 | 427.7 | 413.4 | 403.4 |
| 72.5° | 439.1 | 439.1 | 436.2 | 432.0 | 427.7 | 413.4 | 402.0 | 389.2 | 372.1 | 353.5 | 339.3 |
| 75° | 394.9 | 396.3 | 396.3 | 392.0 | 384.9 | 372.1 | 359.3 | 340.7 | 322.2 | 300.8 | 282.3 |
| 77.5° | 363.5 | 363.5 | 363.5 | 356.4 | 349.3 | 337.9 | 322.2 | 302.2 | 282.3 | 256.6 | 235.2 |
| 80° | 333.6 | 332.2 | 332.2 | 323.6 | 316.5 | 303.7 | 288.0 | 268.0 | 246.6 | 219.5 | 195.3 |
| 82.5° | 309.4 | 307.9 | 305.1 | 297.9 | 288.0 | 275.1 | 259.5 | 238.1 | 215.3 | 191.0 | 161.1 |
| 85° | 283.7 | 282.3 | 279.4 | 272.3 | 262.3 | 250.9 | 233.8 | 212.4 | 189.6 | 162.5 | 134.0 |
| 87.5° | 260.9 | 259.5 | 255.2 | 250.9 | 239.5 | 226.7 | 209.6 | 189.6 | 165.4 | 139.7 | 111.2 |
| 90° | 245.2 | 242.4 | 239.5 | 233.8 | 223.8 | 209.6 | 192.5 | 171.1 | 146.8 | 121.2 | 92.7 |
| 92.5° | 226.7 | 225.2 | 221.0 | 215.3 | 206.7 | 192.5 | 175.3 | 155.4 | 131.2 | 106.9 | 79.8 |
| 95° | 208.1 | 206.7 | 203.9 | 198.2 | 189.6 | 176.8 | 161.1 | 141.1 | 118.3 | 94.1 | 69.9 |
| 97.5° | 191.0 | 191.0 | 186.8 | 182.5 | 172.5 | 162.5 | 146.8 | 128.3 | 106.9 | 85.5 | 62.7 |
| 100° | 176.8 | 176.8 | 172.5 | 166.8 | 159.7 | 149.7 | 134.0 | 116.9 | 96.9 | 77.0 | 54.2 |
| 102.5° | 163.9 | 162.5 | 159.7 | 154.0 | 146.8 | 136.9 | 122.6 | 106.9 | 88.4 | 68.4 | 48.5 |
| 105° | 152.5 | 151.1 | 148.3 | 142.6 | 136.9 | 125.5 | 114.0 | 98.4 | 79.8 | 61.3 | 42.8 |
| 107.5° | 141.1 | 139.7 | 138.3 | 132.6 | 125.5 | 115.5 | 104.1 | 88.4 | 72.7 | 55.6 | 38.5 |
| 110° | 131.2 | 129.7 | 126.9 | 121.2 | 114.0 | 105.5 | 94.1 | 81.3 | 65.6 | 49.9 | 34.2 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 112.5° | 122.6 | 121.2 | 118.3 | 112.6 | 106.9 | 96.9 | 87.0 | 72.7 | 59.9 | 45.6 | 29.9 |
| 115° | 114.0 | 112.6 | 109.8 | 104.1 | 96.9 | 88.4 | 78.4 | 67.0 | 52.7 | 39.9 | 27.1 |
| 117.5° | 105.5 | 104.1 | 101.2 | 96.9 | 89.8 | 81.3 | 71.3 | 59.9 | 47.0 | 37.1 | 24.2 |
| 120° | 98.4 | 95.5 | 92.7 | 88.4 | 81.3 | 74.1 | 64.2 | 54.2 | 42.8 | 32.8 | 21.4 |
| 122.5° | 91.2 | 88.4 | 85.5 | 81.3 | 74.1 | 67.0 | 57.0 | 48.5 | 39.9 | 29.9 | 20.0 |
| 125° | 82.7 | 81.3 | 78.4 | 74.1 | 67.0 | 59.9 | 52.7 | 44.2 | 35.6 | 27.1 | 17.1 |
| 127.5° | 75.6 | 74.1 | 71.3 | 65.6 | 59.9 | 54.2 | 47.0 | 39.9 | 31.4 | 22.8 | 15.7 |
| 130° | 69.9 | 67.0 | 64.2 | 59.9 | 55.6 | 49.9 | 42.8 | 35.6 | 28.5 | 20.0 | 14.3 |
| 132.5° | 62.7 | 59.9 | 57.0 | 54.2 | 49.9 | 44.2 | 38.5 | 31.4 | 25.7 | 18.5 | 12.8 |
| 135° | 57.0 | 54.2 | 51.3 | 48.5 | 44.2 | 39.9 | 34.2 | 28.5 | 22.8 | 17.1 | 11.4 |
| 137.5° | 49.9 | 48.5 | 47.0 | 44.2 | 39.9 | 35.6 | 31.4 | 24.2 | 20.0 | 15.7 | 10.0 |
| 140° | 45.6 | 44.2 | 42.8 | 38.5 | 35.6 | 31.4 | 27.1 | 21.4 | 17.1 | 12.8 | 8.6 |
| 142.5° | 41.3 | 39.9 | 37.1 | 34.2 | 31.4 | 28.5 | 22.8 | 20.0 | 15.7 | 11.4 | 8.6 |
| 145° | 35.6 | 34.2 | 32.8 | 29.9 | 27.1 | 22.8 | 20.0 | 17.1 | 14.3 | 10.0 | 7.1 |
| 147.5° | 32.8 | 31.4 | 28.5 | 25.7 | 22.8 | 20.0 | 18.5 | 15.7 | 11.4 | 8.6 | 5.7 |
| 150° | 27.1 | 25.7 | 24.2 | 21.4 | 20.0 | 18.5 | 15.7 | 12.8 | 10.0 | 7.1 | 5.7 |
| 152.5° | 22.8 | 21.4 | 20.0 | 20.0 | 17.1 | 15.7 | 12.8 | 11.4 | 8.6 | 7.1 | 4.3 |
| 155° | 20.0 | 20.0 | 18.5 | 17.1 | 14.3 | 12.8 | 11.4 | 8.6 | 7.1 | 5.7 | 4.3 |
| 157.5° | 17.1 | 15.7 | 14.3 | 14.3 | 12.8 | 11.4 | 8.6 | 7.1 | 5.7 | 5.7 | 4.3 |
| 160° | 14.3 | 12.8 | 12.8 | 11.4 | 10.0 | 8.6 | 7.1 | 7.1 | 5.7 | 4.3 | 4.3 |
| 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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 |
| 2.5° | 2596.0 | 2580.3 | 2594.6 | 2613.1 | 2613.1 | 2610.3 | 2607.4 | 2613.1 | 2627.4 | 2621.7 | 2604.6 |
| 5° | 2591.7 | 2576.1 | 2588.9 | 2607.4 | 2607.4 | 2603.1 | 2600.3 | 2604.6 | 2620.2 | 2613.1 | 2597.4 |
| 7.5° | 2583.2 | 2568.9 | 2577.5 | 2594.6 | 2594.6 | 2590.3 | 2587.5 | 2593.2 | 2606.0 | 2598.9 | 2581.8 |
| 10° | 2567.5 | 2551.8 | 2561.8 | 2577.5 | 2576.1 | 2573.2 | 2568.9 | 2576.1 | 2587.5 | 2577.5 | 2557.5 |
| 12.5° | 2547.5 | 2531.9 | 2540.4 | 2554.7 | 2553.2 | 2547.5 | 2544.7 | 2549.0 | 2558.9 | 2553.2 | 2531.9 |
| 15° | 2520.5 | 2504.8 | 2511.9 | 2526.2 | 2521.9 | 2517.6 | 2511.9 | 2513.3 | 2526.2 | 2516.2 | 2493.4 |
| 17.5° | 2487.7 | 2470.6 | 2476.3 | 2489.1 | 2484.8 | 2480.5 | 2473.4 | 2474.8 | 2489.1 | 2474.8 | 2450.6 |
| 20° | 2447.7 | 2429.2 | 2433.5 | 2449.2 | 2442.0 | 2434.9 | 2427.8 | 2427.8 | 2442.0 | 2426.4 | 2399.3 |
| 22.5° | 2405.0 | 2386.4 | 2389.3 | 2400.7 | 2395.0 | 2382.2 | 2375.0 | 2379.3 | 2386.4 | 2366.5 | 2338.0 |
| 25° | 2352.2 | 2328.0 | 2332.3 | 2343.7 | 2339.4 | 2322.3 | 2315.2 | 2318.0 | 2315.2 | 2299.5 | 2269.6 |
| 27.5° | 2290.9 | 2265.3 | 2268.1 | 2275.3 | 2269.6 | 2253.9 | 2245.3 | 2246.7 | 2241.0 | 2221.1 | 2186.9 |
| 30° | 2214.0 | 2201.1 | 2199.7 | 2204.0 | 2195.4 | 2179.7 | 2169.8 | 2166.9 | 2165.5 | 2137.0 | 2095.6 |
| 32.5° | 2135.5 | 2124.1 | 2117.0 | 2122.7 | 2112.7 | 2097.1 | 2079.9 | 2079.9 | 2065.7 | 2038.6 | 2003.0 |
| 35° | 2055.7 | 2037.2 | 2030.0 | 2034.3 | 2022.9 | 2003.0 | 1988.7 | 1981.6 | 1960.2 | 1926.0 | 1887.5 |
| 37.5° | 1953.1 | 1940.2 | 1931.7 | 1936.0 | 1923.1 | 1908.9 | 1881.8 | 1874.7 | 1851.9 | 1804.8 | 1756.3 |
| 40° | 1841.9 | 1831.9 | 1823.3 | 1827.6 | 1813.4 | 1792.0 | 1767.7 | 1756.3 | 1730.7 | 1677.9 | 1639.4 |
| 42.5° | 1722.1 | 1717.8 | 1707.9 | 1723.5 | 1695.0 | 1673.7 | 1649.4 | 1630.9 | 1605.2 | 1548.2 | 1504.0 |
| 45° | 1595.2 | 1605.2 | 1582.4 | 1586.7 | 1568.2 | 1549.6 | 1524.0 | 1496.9 | 1471.2 | 1417.0 | 1367.1 |
| 47.5° | 1461.2 | 1468.4 | 1452.7 | 1455.5 | 1435.6 | 1418.5 | 1395.7 | 1361.4 | 1332.9 | 1285.9 | 1241.7 |
| 50° | 1323.0 | 1320.1 | 1320.1 | 1317.3 | 1301.6 | 1280.2 | 1257.4 | 1226.0 | 1197.5 | 1154.7 | 1117.7 |
| 52.5° | 1176.1 | 1181.8 | 1184.7 | 1191.8 | 1171.8 | 1159.0 | 1123.4 | 1096.3 | 1074.9 | 1030.7 | 999.3 |
| 55° | 1035.0 | 1054.9 | 1049.2 | 1052.1 | 1029.3 | 1019.3 | 990.8 | 969.4 | 938.0 | 912.4 | 892.4 |
| 57.5° | 906.7 | 911.0 | 913.8 | 918.1 | 908.1 | 888.1 | 865.3 | 848.2 | 824.0 | 802.6 | 788.4 |
| 60° | 782.7 | 782.7 | 784.1 | 791.2 | 781.2 | 764.1 | 747.0 | 734.2 | 717.1 | 704.2 | 695.7 |
| 62.5° | 665.8 | 675.7 | 677.2 | 671.5 | 658.6 | 650.1 | 638.7 | 631.5 | 620.1 | 615.9 | 613.0 |
| 65° | 557.4 | 557.4 | 557.4 | 560.3 | 553.1 | 547.4 | 540.3 | 538.9 | 543.2 | 537.5 | 540.3 |
| 67.5° | 466.2 | 461.9 | 459.0 | 460.5 | 457.6 | 454.8 | 453.3 | 457.6 | 466.2 | 466.2 | 473.3 |
| 70° | 387.8 | 379.2 | 373.5 | 373.5 | 373.5 | 374.9 | 379.2 | 387.8 | 402.0 | 407.7 | 417.7 |
| 72.5° | 323.6 | 305.1 | 296.5 | 296.5 | 297.9 | 303.7 | 316.5 | 332.2 | 345.0 | 356.4 | 369.2 |
| 75° | 262.3 | 243.8 | 230.9 | 229.5 | 232.4 | 240.9 | 259.5 | 273.7 | 295.1 | 310.8 | 326.5 |
| 77.5° | 212.4 | 189.6 | 173.9 | 172.5 | 176.8 | 189.6 | 212.4 | 230.9 | 255.2 | 272.3 | 289.4 |
| 80° | 169.6 | 144.0 | 131.2 | 122.6 | 129.7 | 145.4 | 171.1 | 193.9 | 216.7 | 239.5 | 260.9 |
| 82.5° | 135.4 | 111.2 | 91.2 | 82.7 | 91.2 | 112.6 | 136.9 | 163.9 | 186.8 | 211.0 | 232.4 |
| 85° | 106.9 | 81.3 | 58.4 | 49.9 | 59.9 | 82.7 | 109.8 | 136.9 | 162.5 | 186.8 | 208.1 |
| 87.5° | 84.1 | 58.4 | 35.6 | 24.2 | 37.1 | 61.3 | 87.0 | 114.0 | 141.1 | 165.4 | 186.8 |
| 90° | 65.6 | 41.3 | 20.0 | 2.9 | 21.4 | 44.2 | 69.9 | 95.5 | 122.6 | 146.8 | 168.2 |
| 92.5° | 55.6 | 31.4 | 11.4 | 0.0 | 12.8 | 32.8 | 57.0 | 82.7 | 106.9 | 131.2 | 152.5 |
| 95° | 47.0 | 25.7 | 8.6 | 0.0 | 8.6 | 25.7 | 47.0 | 69.9 | 94.1 | 118.3 | 139.7 |
| 97.5° | 39.9 | 20.0 | 5.7 | 0.0 | 5.7 | 20.0 | 38.5 | 61.3 | 82.7 | 105.5 | 125.5 |
| 100° | 34.2 | 17.1 | 4.3 | 0.0 | 4.3 | 15.7 | 32.8 | 52.7 | 74.1 | 95.5 | 114.0 |
| 102.5° | 29.9 | 14.3 | 2.9 | 0.0 | 2.9 | 12.8 | 27.1 | 45.6 | 64.2 | 84.1 | 102.6 |
| 105° | 25.7 | 11.4 | 2.9 | 0.0 | 1.4 | 10.0 | 22.8 | 39.9 | 57.0 | 75.6 | 92.7 |
| 107.5° | 22.8 | 10.0 | 2.9 | 0.0 | 1.4 | 8.6 | 20.0 | 34.2 | 51.3 | 67.0 | 82.7 |
| 110° | 20.0 | 8.6 | 2.9 | 0.0 | 1.4 | 5.7 | 17.1 | 29.9 | 44.2 | 59.9 | 75.6 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 17.1 | 7.1 | 1.4 | 0.0 | 0.0 | 4.3 | 14.3 | 25.7 | 38.5 | 54.2 | 67.0 |
| 115° | 15.7 | 7.1 | 1.4 | 0.0 | 0.0 | 2.9 | 11.4 | 22.8 | 34.2 | 48.5 | 59.9 |
| 117.5° | 14.3 | 5.7 | 1.4 | 0.0 | 1.4 | 2.9 | 10.0 | 20.0 | 29.9 | 41.3 | 54.2 |
| 120° | 12.8 | 5.7 | 1.4 | 0.0 | 1.4 | 1.4 | 7.1 | 17.1 | 25.7 | 37.1 | 47.0 |
| 122.5° | 11.4 | 5.7 | 1.4 | 0.0 | 1.4 | 1.4 | 5.7 | 14.3 | 22.8 | 32.8 | 41.3 |
| 125° | 10.0 | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 4.3 | 11.4 | 20.0 | 27.1 | 37.1 |
| 127.5° | 10.0 | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 2.9 | 10.0 | 15.7 | 24.2 | 32.8 |
| 130° | 8.6 | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 7.1 | 14.3 | 20.0 | 27.1 |
| 132.5° | 7.1 | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 4.3 | 10.0 | 17.1 | 22.8 |
| 135° | 7.1 | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 7.1 | 12.8 | 18.5 |
| 137.5° | 5.7 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 5.7 | 10.0 | 14.3 |
| 140° | 5.7 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 4.3 | 7.1 | 11.4 |
| 142.5° | 4.3 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 5.7 | 8.6 |
| 145° | 4.3 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 5.7 |
| 147.5° | 4.3 | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 4.3 |
| 150° | 4.3 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 |
| 152.5° | 4.3 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 |
| 155° | 4.3 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 |
| 157.5° | 4.3 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 |
| 160° | 4.3 | 2.9 | 2.9 | 1.4 | 2.9 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 |
| 2.5° | 2598.9 | 2571.8 | 2586.0 | 2581.8 | 2587.5 | 2598.9 | 2597.4 | 2594.6 | 2594.6 | 2590.3 | 2584.6 |
| 5° | 2590.3 | 2564.6 | 2577.5 | 2570.4 | 2577.5 | 2587.5 | 2586.0 | 2581.8 | 2584.6 | 2577.5 | 2570.4 |
| 7.5° | 2573.2 | 2550.4 | 2561.8 | 2556.1 | 2561.8 | 2571.8 | 2567.5 | 2566.1 | 2568.9 | 2557.5 | 2553.2 |
| 10° | 2553.2 | 2527.6 | 2540.4 | 2533.3 | 2540.4 | 2547.5 | 2544.7 | 2539.0 | 2544.7 | 2533.3 | 2529.0 |
| 12.5° | 2521.9 | 2500.5 | 2509.1 | 2506.2 | 2510.5 | 2517.6 | 2511.9 | 2507.6 | 2510.5 | 2500.5 | 2491.9 |
| 15° | 2487.7 | 2466.3 | 2473.4 | 2469.1 | 2472.0 | 2480.5 | 2470.6 | 2469.1 | 2466.3 | 2456.3 | 2453.5 |
| 17.5° | 2443.5 | 2423.5 | 2430.6 | 2423.5 | 2427.8 | 2424.9 | 2423.5 | 2416.4 | 2416.4 | 2405.0 | 2396.4 |
| 20° | 2389.3 | 2372.2 | 2367.9 | 2362.2 | 2367.9 | 2362.2 | 2353.7 | 2348.0 | 2346.5 | 2335.1 | 2328.0 |
| 22.5° | 2326.6 | 2306.6 | 2309.5 | 2293.8 | 2295.2 | 2286.7 | 2272.4 | 2266.7 | 2261.0 | 2248.2 | 2238.2 |
| 25° | 2251.0 | 2231.1 | 2216.8 | 2206.8 | 2194.0 | 2192.6 | 2174.0 | 2159.8 | 2158.4 | 2142.7 | 2141.2 |
| 27.5° | 2165.5 | 2142.7 | 2131.3 | 2107.0 | 2091.4 | 2078.5 | 2062.8 | 2048.6 | 2041.5 | 2024.3 | 2012.9 |
| 30° | 2067.1 | 2041.5 | 2012.9 | 1995.8 | 1971.6 | 1961.6 | 1934.5 | 1917.4 | 1911.7 | 1893.2 | 1884.6 |
| 32.5° | 1955.9 | 1928.8 | 1906.0 | 1873.2 | 1846.1 | 1831.9 | 1804.8 | 1787.7 | 1780.6 | 1760.6 | 1749.2 |
| 35° | 1834.7 | 1804.8 | 1777.7 | 1746.4 | 1725.0 | 1700.7 | 1667.9 | 1650.8 | 1635.2 | 1628.0 | 1619.5 |
| 37.5° | 1707.9 | 1675.1 | 1643.7 | 1612.4 | 1593.8 | 1565.3 | 1536.8 | 1525.4 | 1506.9 | 1499.7 | 1491.2 |
| 40° | 1576.7 | 1543.9 | 1514.0 | 1484.0 | 1462.7 | 1437.0 | 1411.3 | 1407.1 | 1387.1 | 1380.0 | 1374.3 |
| 42.5° | 1447.0 | 1412.8 | 1378.6 | 1357.2 | 1341.5 | 1315.8 | 1298.7 | 1294.4 | 1277.3 | 1273.1 | 1273.1 |
| 45° | 1330.1 | 1287.3 | 1258.8 | 1240.3 | 1227.4 | 1206.1 | 1191.8 | 1188.9 | 1174.7 | 1171.8 | 1171.8 |
| 47.5° | 1204.6 | 1164.7 | 1143.3 | 1131.9 | 1120.5 | 1104.8 | 1096.3 | 1096.3 | 1082.0 | 1079.2 | 1077.8 |
| 50° | 1087.7 | 1050.7 | 1035.0 | 1023.6 | 1022.2 | 1010.7 | 1003.6 | 1000.8 | 1000.8 | 990.8 | 992.2 |
| 52.5° | 976.5 | 958.0 | 945.2 | 938.0 | 929.5 | 922.4 | 916.7 | 916.7 | 912.4 | 905.3 | 908.1 |
| 55° | 873.9 | 852.5 | 853.9 | 848.2 | 844.0 | 839.7 | 841.1 | 832.5 | 831.1 | 825.4 | 829.7 |
| 57.5° | 771.2 | 771.2 | 768.4 | 764.1 | 757.0 | 759.8 | 759.8 | 759.8 | 752.7 | 748.4 | 752.7 |
| 60° | 684.3 | 688.6 | 681.4 | 685.7 | 682.9 | 684.3 | 681.4 | 681.4 | 677.2 | 675.7 | 677.2 |
| 62.5° | 607.3 | 614.4 | 611.6 | 617.3 | 614.4 | 615.9 | 618.7 | 613.0 | 610.2 | 607.3 | 610.2 |
| 65° | 538.9 | 547.4 | 546.0 | 550.3 | 551.7 | 553.1 | 554.6 | 551.7 | 548.9 | 546.0 | 544.6 |
| 67.5° | 479.0 | 487.6 | 493.3 | 494.7 | 496.1 | 500.4 | 499.0 | 496.1 | 493.3 | 489.0 | 487.6 |
| 70° | 424.8 | 436.2 | 443.4 | 446.2 | 451.9 | 449.1 | 449.1 | 447.6 | 444.8 | 440.5 | 439.1 |
| 72.5° | 379.2 | 392.0 | 399.2 | 402.0 | 407.7 | 407.7 | 406.3 | 404.9 | 402.0 | 397.7 | 396.3 |
| 75° | 339.3 | 350.7 | 360.7 | 366.4 | 370.7 | 370.7 | 369.2 | 367.8 | 365.0 | 362.1 | 360.7 |
| 77.5° | 307.9 | 317.9 | 326.5 | 333.6 | 336.4 | 337.9 | 336.4 | 333.6 | 333.6 | 332.2 | 330.7 |
| 80° | 276.6 | 288.0 | 296.5 | 303.7 | 307.9 | 307.9 | 306.5 | 307.9 | 305.1 | 303.7 | 302.2 |
| 82.5° | 249.5 | 262.3 | 272.3 | 279.4 | 282.3 | 283.7 | 282.3 | 283.7 | 280.8 | 280.8 | 280.8 |
| 85° | 225.2 | 238.1 | 249.5 | 255.2 | 259.5 | 260.9 | 260.9 | 260.9 | 259.5 | 259.5 | 259.5 |
| 87.5° | 205.3 | 218.1 | 229.5 | 235.2 | 239.5 | 240.9 | 240.9 | 242.4 | 239.5 | 239.5 | 239.5 |
| 90° | 186.8 | 199.6 | 211.0 | 216.7 | 221.0 | 223.8 | 223.8 | 225.2 | 223.8 | 222.4 | 222.4 |
| 92.5° | 169.6 | 183.9 | 195.3 | 201.0 | 205.3 | 209.6 | 209.6 | 211.0 | 208.1 | 208.1 | 208.1 |
| 95° | 155.4 | 169.6 | 179.6 | 186.8 | 191.0 | 193.9 | 195.3 | 195.3 | 193.9 | 193.9 | 193.9 |
| 97.5° | 142.6 | 155.4 | 165.4 | 172.5 | 176.8 | 178.2 | 179.6 | 181.1 | 179.6 | 179.6 | 179.6 |
| 100° | 129.7 | 142.6 | 152.5 | 158.2 | 163.9 | 165.4 | 166.8 | 168.2 | 168.2 | 166.8 | 166.8 |
| 102.5° | 118.3 | 131.2 | 139.7 | 146.8 | 151.1 | 154.0 | 155.4 | 155.4 | 155.4 | 155.4 | 155.4 |
| 105° | 106.9 | 119.8 | 128.3 | 135.4 | 139.7 | 142.6 | 144.0 | 145.4 | 145.4 | 144.0 | 144.0 |
| 107.5° | 96.9 | 108.3 | 118.3 | 124.0 | 129.7 | 132.6 | 134.0 | 134.0 | 135.4 | 134.0 | 134.0 |
| 110° | 87.0 | 99.8 | 108.3 | 114.0 | 119.8 | 122.6 | 124.0 | 125.5 | 125.5 | 125.5 | 125.5 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 79.8 | 89.8 | 98.4 | 104.1 | 109.8 | 112.6 | 114.0 | 115.5 | 116.9 | 115.5 | 115.5 |
| 115° | 71.3 | 81.3 | 89.8 | 95.5 | 99.8 | 102.6 | 105.5 | 106.9 | 106.9 | 108.3 | 106.9 |
| 117.5° | 64.2 | 72.7 | 81.3 | 87.0 | 91.2 | 95.5 | 96.9 | 98.4 | 99.8 | 98.4 | 98.4 |
| 120° | 57.0 | 65.6 | 72.7 | 78.4 | 82.7 | 87.0 | 88.4 | 89.8 | 91.2 | 89.8 | 89.8 |
| 122.5° | 51.3 | 58.4 | 65.6 | 71.3 | 75.6 | 78.4 | 81.3 | 81.3 | 82.7 | 82.7 | 82.7 |
| 125° | 45.6 | 52.7 | 58.4 | 64.2 | 68.4 | 71.3 | 72.7 | 74.1 | 74.1 | 75.6 | 75.6 |
| 127.5° | 39.9 | 45.6 | 52.7 | 57.0 | 61.3 | 64.2 | 65.6 | 67.0 | 67.0 | 68.4 | 68.4 |
| 130° | 34.2 | 39.9 | 45.6 | 49.9 | 54.2 | 57.0 | 58.4 | 59.9 | 61.3 | 61.3 | 61.3 |
| 132.5° | 29.9 | 35.6 | 39.9 | 44.2 | 47.0 | 49.9 | 52.7 | 54.2 | 54.2 | 54.2 | 54.2 |
| 135° | 24.2 | 29.9 | 34.2 | 38.5 | 41.3 | 44.2 | 45.6 | 48.5 | 48.5 | 48.5 | 48.5 |
| 137.5° | 20.0 | 25.7 | 29.9 | 32.8 | 35.6 | 38.5 | 39.9 | 41.3 | 42.8 | 42.8 | 42.8 |
| 140° | 15.7 | 20.0 | 24.2 | 28.5 | 31.4 | 32.8 | 35.6 | 35.6 | 37.1 | 37.1 | 37.1 |
| 142.5° | 11.4 | 15.7 | 18.5 | 22.8 | 25.7 | 28.5 | 29.9 | 31.4 | 31.4 | 31.4 | 31.4 |
| 145° | 8.6 | 11.4 | 14.3 | 17.1 | 21.4 | 22.8 | 24.2 | 25.7 | 27.1 | 27.1 | 27.1 |
| 147.5° | 5.7 | 8.6 | 10.0 | 12.8 | 15.7 | 18.5 | 20.0 | 21.4 | 22.8 | 22.8 | 22.8 |
| 150° | 4.3 | 5.7 | 8.6 | 10.0 | 11.4 | 14.3 | 17.1 | 17.1 | 18.5 | 18.5 | 17.1 |
| 152.5° | 2.9 | 4.3 | 5.7 | 7.1 | 8.6 | 10.0 | 12.8 | 12.8 | 14.3 | 14.3 | 14.3 |
| 155° | 2.9 | 2.9 | 2.9 | 4.3 | 5.7 | 7.1 | 8.6 | 10.0 | 10.0 | 10.0 | 10.0 |
| 157.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 4.3 | 5.7 | 7.1 | 7.1 | 7.1 | 7.1 |
| 160° | 2.9 | 2.9 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 4.3 | 4.3 | 4.3 |
| 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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 |
| 2.5° | 2588.9 | 2591.7 | 2591.7 | 2588.9 | 2587.5 | 2593.2 | 2586.0 | 2558.9 | 2567.5 | 2570.4 | 2578.9 |
| 5° | 2576.1 | 2578.9 | 2578.9 | 2578.9 | 2576.1 | 2581.8 | 2574.6 | 2547.5 | 2557.5 | 2561.8 | 2567.5 |
| 7.5° | 2557.5 | 2558.9 | 2561.8 | 2560.4 | 2557.5 | 2566.1 | 2558.9 | 2531.9 | 2539.0 | 2546.1 | 2553.2 |
| 10° | 2533.3 | 2533.3 | 2534.7 | 2537.6 | 2534.7 | 2541.8 | 2534.7 | 2510.5 | 2517.6 | 2521.9 | 2530.4 |
| 12.5° | 2500.5 | 2503.3 | 2504.8 | 2503.3 | 2501.9 | 2507.6 | 2504.8 | 2482.0 | 2484.8 | 2493.4 | 2501.9 |
| 15° | 2456.3 | 2456.3 | 2463.4 | 2460.6 | 2460.6 | 2466.3 | 2469.1 | 2443.5 | 2447.7 | 2460.6 | 2469.1 |
| 17.5° | 2402.1 | 2403.6 | 2409.3 | 2412.1 | 2410.7 | 2420.7 | 2422.1 | 2402.1 | 2400.7 | 2416.4 | 2424.9 |
| 20° | 2332.3 | 2335.1 | 2342.3 | 2348.0 | 2348.0 | 2359.4 | 2363.6 | 2350.8 | 2352.2 | 2369.3 | 2372.2 |
| 22.5° | 2246.7 | 2246.7 | 2259.6 | 2268.1 | 2275.3 | 2282.4 | 2295.2 | 2283.8 | 2283.8 | 2306.6 | 2319.4 |
| 25° | 2141.2 | 2151.2 | 2155.5 | 2172.6 | 2182.6 | 2202.5 | 2214.0 | 2215.4 | 2216.8 | 2238.2 | 2246.7 |
| 27.5° | 2024.3 | 2027.2 | 2040.0 | 2060.0 | 2071.4 | 2089.9 | 2111.3 | 2115.6 | 2122.7 | 2151.2 | 2164.1 |
| 30° | 1891.8 | 1900.3 | 1906.0 | 1934.5 | 1950.2 | 1974.5 | 2001.5 | 2011.5 | 2017.2 | 2055.7 | 2071.4 |
| 32.5° | 1756.3 | 1759.2 | 1783.4 | 1799.1 | 1817.6 | 1843.3 | 1874.7 | 1893.2 | 1904.6 | 1944.5 | 1967.3 |
| 35° | 1620.9 | 1626.6 | 1646.6 | 1666.5 | 1685.1 | 1710.7 | 1743.5 | 1769.2 | 1789.1 | 1824.8 | 1854.7 |
| 37.5° | 1496.9 | 1511.1 | 1515.4 | 1535.4 | 1549.6 | 1575.3 | 1598.1 | 1635.2 | 1655.1 | 1692.2 | 1730.7 |
| 40° | 1385.7 | 1390.0 | 1392.8 | 1412.8 | 1422.7 | 1447.0 | 1479.8 | 1504.0 | 1531.1 | 1558.2 | 1603.8 |
| 42.5° | 1275.9 | 1278.8 | 1283.0 | 1294.4 | 1305.8 | 1323.0 | 1347.2 | 1371.4 | 1399.9 | 1439.9 | 1469.8 |
| 45° | 1174.7 | 1177.5 | 1180.4 | 1187.5 | 1197.5 | 1213.2 | 1228.9 | 1246.0 | 1274.5 | 1308.7 | 1340.1 |
| 47.5° | 1080.6 | 1086.3 | 1086.3 | 1087.7 | 1094.9 | 1107.7 | 1119.1 | 1140.5 | 1156.2 | 1174.7 | 1210.3 |
| 50° | 990.8 | 995.1 | 996.5 | 996.5 | 1000.8 | 1009.3 | 1012.2 | 1026.4 | 1040.7 | 1057.8 | 1083.5 |
| 52.5° | 906.7 | 906.7 | 905.3 | 911.0 | 911.0 | 916.7 | 918.1 | 926.6 | 936.6 | 955.1 | 966.6 |
| 55° | 826.8 | 826.8 | 831.1 | 828.3 | 828.3 | 831.1 | 829.7 | 831.1 | 839.7 | 851.1 | 861.1 |
| 57.5° | 749.9 | 748.4 | 752.7 | 749.9 | 748.4 | 751.3 | 754.1 | 748.4 | 749.9 | 761.3 | 761.3 |
| 60° | 672.9 | 674.3 | 678.6 | 675.7 | 675.7 | 675.7 | 672.9 | 670.0 | 667.2 | 674.3 | 677.2 |
| 62.5° | 611.6 | 607.3 | 611.6 | 607.3 | 610.2 | 608.7 | 605.9 | 600.2 | 601.6 | 598.8 | 595.9 |
| 65° | 547.4 | 547.4 | 548.9 | 544.6 | 547.4 | 547.4 | 543.2 | 541.7 | 533.2 | 530.3 | 523.2 |
| 67.5° | 491.8 | 491.8 | 493.3 | 490.4 | 490.4 | 491.8 | 487.6 | 483.3 | 474.7 | 470.4 | 460.5 |
| 70° | 443.4 | 443.4 | 443.4 | 441.9 | 441.9 | 441.9 | 439.1 | 433.4 | 424.8 | 417.7 | 404.9 |
| 72.5° | 399.2 | 400.6 | 399.2 | 399.2 | 403.4 | 399.2 | 394.9 | 389.2 | 382.1 | 367.8 | 356.4 |
| 75° | 363.5 | 365.0 | 363.5 | 363.5 | 363.5 | 362.1 | 360.7 | 352.1 | 343.6 | 332.2 | 315.1 |
| 77.5° | 332.2 | 332.2 | 333.6 | 332.2 | 332.2 | 330.7 | 326.5 | 319.3 | 309.4 | 299.4 | 279.4 |
| 80° | 302.2 | 303.7 | 305.1 | 306.5 | 303.7 | 302.2 | 297.9 | 292.2 | 279.4 | 268.0 | 248.1 |
| 82.5° | 280.8 | 279.4 | 280.8 | 282.3 | 279.4 | 278.0 | 273.7 | 266.6 | 256.6 | 240.9 | 221.0 |
| 85° | 259.5 | 258.0 | 258.0 | 259.5 | 258.0 | 255.2 | 250.9 | 243.8 | 233.8 | 218.1 | 198.2 |
| 87.5° | 238.1 | 239.5 | 240.9 | 239.5 | 238.1 | 235.2 | 230.9 | 223.8 | 212.4 | 199.6 | 178.2 |
| 90° | 222.4 | 222.4 | 222.4 | 222.4 | 221.0 | 218.1 | 213.8 | 205.3 | 195.3 | 179.6 | 161.1 |
| 92.5° | 208.1 | 208.1 | 208.1 | 208.1 | 206.7 | 202.4 | 198.2 | 191.0 | 179.6 | 163.9 | 146.8 |
| 95° | 193.9 | 195.3 | 193.9 | 193.9 | 191.0 | 189.6 | 182.5 | 175.3 | 165.4 | 149.7 | 131.2 |
| 97.5° | 178.2 | 179.6 | 178.2 | 178.2 | 176.8 | 173.9 | 169.6 | 161.1 | 151.1 | 136.9 | 119.8 |
| 100° | 166.8 | 166.8 | 165.4 | 165.4 | 163.9 | 161.1 | 155.4 | 148.3 | 138.3 | 124.0 | 106.9 |
| 102.5° | 154.0 | 155.4 | 154.0 | 154.0 | 151.1 | 148.3 | 144.0 | 136.9 | 126.9 | 112.6 | 96.9 |
| 105° | 144.0 | 144.0 | 142.6 | 142.6 | 139.7 | 136.9 | 132.6 | 124.0 | 115.5 | 102.6 | 87.0 |
| 107.5° | 134.0 | 134.0 | 132.6 | 132.6 | 129.7 | 126.9 | 121.2 | 114.0 | 105.5 | 92.7 | 78.4 |
| 110° | 124.0 | 124.0 | 124.0 | 122.6 | 119.8 | 115.5 | 111.2 | 104.1 | 95.5 | 84.1 | 69.9 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 112.5° | 116.9 | 115.5 | 114.0 | 112.6 | 109.8 | 106.9 | 101.2 | 94.1 | 85.5 | 75.6 | 62.7 |
| 115° | 106.9 | 106.9 | 105.5 | 104.1 | 101.2 | 96.9 | 92.7 | 87.0 | 78.4 | 67.0 | 55.6 |
| 117.5° | 98.4 | 98.4 | 96.9 | 95.5 | 92.7 | 88.4 | 84.1 | 78.4 | 69.9 | 59.9 | 49.9 |
| 120° | 89.8 | 89.8 | 88.4 | 87.0 | 84.1 | 79.8 | 77.0 | 69.9 | 62.7 | 52.7 | 44.2 |
| 122.5° | 82.7 | 81.3 | 81.3 | 78.4 | 77.0 | 72.7 | 68.4 | 62.7 | 55.6 | 47.0 | 38.5 |
| 125° | 74.1 | 74.1 | 72.7 | 71.3 | 69.9 | 65.6 | 61.3 | 55.6 | 48.5 | 41.3 | 34.2 |
| 127.5° | 67.0 | 67.0 | 65.6 | 64.2 | 62.7 | 58.4 | 54.2 | 49.9 | 42.8 | 35.6 | 28.5 |
| 130° | 59.9 | 59.9 | 58.4 | 57.0 | 55.6 | 51.3 | 48.5 | 42.8 | 37.1 | 31.4 | 24.2 |
| 132.5° | 54.2 | 54.2 | 52.7 | 51.3 | 48.5 | 45.6 | 42.8 | 37.1 | 32.8 | 27.1 | 21.4 |
| 135° | 48.5 | 47.0 | 47.0 | 45.6 | 42.8 | 39.9 | 37.1 | 32.8 | 27.1 | 22.8 | 17.1 |
| 137.5° | 42.8 | 41.3 | 39.9 | 38.5 | 37.1 | 34.2 | 31.4 | 28.5 | 24.2 | 18.5 | 14.3 |
| 140° | 37.1 | 35.6 | 35.6 | 34.2 | 31.4 | 29.9 | 27.1 | 22.8 | 20.0 | 15.7 | 11.4 |
| 142.5° | 31.4 | 31.4 | 29.9 | 28.5 | 27.1 | 25.7 | 22.8 | 20.0 | 15.7 | 12.8 | 8.6 |
| 145° | 27.1 | 25.7 | 25.7 | 24.2 | 22.8 | 20.0 | 18.5 | 15.7 | 12.8 | 10.0 | 7.1 |
| 147.5° | 21.4 | 21.4 | 21.4 | 20.0 | 18.5 | 17.1 | 15.7 | 12.8 | 10.0 | 7.1 | 4.3 |
| 150° | 17.1 | 17.1 | 17.1 | 15.7 | 14.3 | 12.8 | 11.4 | 10.0 | 7.1 | 4.3 | 2.9 |
| 152.5° | 14.3 | 14.3 | 12.8 | 12.8 | 11.4 | 10.0 | 8.6 | 7.1 | 4.3 | 2.9 | 2.9 |
| 155° | 10.0 | 10.0 | 10.0 | 8.6 | 8.6 | 7.1 | 5.7 | 4.3 | 2.9 | 2.9 | 2.9 |
| 157.5° | 7.1 | 7.1 | 7.1 | 5.7 | 5.7 | 4.3 | 4.3 | 2.9 | 2.9 | 2.9 | 2.9 |
| 160° | 4.3 | 4.3 | 4.3 | 4.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 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: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 | 2591.7 |
| 2.5° | 2574.6 | 2573.2 | 2584.6 | 2584.6 | 2571.8 | 2591.7 | 2613.1 |
| 5° | 2566.1 | 2564.6 | 2576.1 | 2576.1 | 2564.6 | 2584.6 | 2607.4 |
| 7.5° | 2549.0 | 2550.4 | 2561.8 | 2564.6 | 2550.4 | 2568.9 | 2593.2 |
| 10° | 2530.4 | 2529.0 | 2541.8 | 2544.7 | 2533.3 | 2550.4 | 2573.2 |
| 12.5° | 2500.5 | 2500.5 | 2513.3 | 2517.6 | 2506.2 | 2526.2 | 2547.5 |
| 15° | 2469.1 | 2469.1 | 2477.7 | 2484.8 | 2474.8 | 2493.4 | 2514.8 |
| 17.5° | 2429.2 | 2427.8 | 2436.3 | 2444.9 | 2434.9 | 2454.9 | 2477.7 |
| 20° | 2377.9 | 2377.9 | 2387.9 | 2397.9 | 2390.7 | 2409.3 | 2434.9 |
| 22.5° | 2323.7 | 2318.0 | 2335.1 | 2342.3 | 2338.0 | 2356.5 | 2382.2 |
| 25° | 2255.3 | 2253.9 | 2271.0 | 2281.0 | 2275.3 | 2295.2 | 2318.0 |
| 27.5° | 2181.2 | 2179.7 | 2196.8 | 2209.7 | 2206.8 | 2225.4 | 2251.0 |
| 30° | 2091.4 | 2098.5 | 2114.2 | 2135.5 | 2128.4 | 2148.4 | 2175.5 |
| 32.5° | 1997.3 | 2004.4 | 2022.9 | 2045.7 | 2047.2 | 2062.8 | 2089.9 |
| 35° | 1884.6 | 1903.2 | 1916.0 | 1945.9 | 1951.6 | 1967.3 | 1995.8 |
| 37.5° | 1766.3 | 1787.7 | 1814.8 | 1837.6 | 1849.0 | 1861.8 | 1894.6 |
| 40° | 1633.7 | 1665.1 | 1695.0 | 1722.1 | 1736.4 | 1749.2 | 1780.6 |
| 42.5° | 1514.0 | 1538.2 | 1566.7 | 1593.8 | 1619.5 | 1630.9 | 1663.7 |
| 45° | 1378.6 | 1407.1 | 1432.7 | 1465.5 | 1491.2 | 1504.0 | 1536.8 |
| 47.5° | 1246.0 | 1274.5 | 1308.7 | 1331.5 | 1358.6 | 1371.4 | 1402.8 |
| 50° | 1119.1 | 1144.8 | 1173.3 | 1200.4 | 1223.2 | 1234.6 | 1261.7 |
| 52.5° | 993.6 | 1020.7 | 1047.8 | 1064.9 | 1089.2 | 1097.7 | 1120.5 |
| 55° | 882.4 | 901.0 | 925.2 | 935.2 | 959.4 | 965.1 | 980.8 |
| 57.5° | 775.5 | 788.4 | 796.9 | 814.0 | 831.1 | 844.0 | 862.5 |
| 60° | 678.6 | 684.3 | 690.0 | 700.0 | 714.2 | 718.5 | 725.6 |
| 62.5° | 591.6 | 590.2 | 601.6 | 604.5 | 605.9 | 620.1 | 613.0 |
| 65° | 514.6 | 516.1 | 506.1 | 501.8 | 507.5 | 511.8 | 508.9 |
| 67.5° | 450.5 | 441.9 | 433.4 | 423.4 | 414.8 | 419.1 | 414.8 |
| 70° | 387.8 | 380.6 | 366.4 | 352.1 | 346.4 | 337.9 | 333.6 |
| 72.5° | 337.9 | 320.8 | 306.5 | 288.0 | 278.0 | 268.0 | 260.9 |
| 75° | 299.4 | 275.1 | 255.2 | 235.2 | 221.0 | 206.7 | 203.9 |
| 77.5° | 259.5 | 236.6 | 213.8 | 192.5 | 171.1 | 155.4 | 149.7 |
| 80° | 228.1 | 206.7 | 179.6 | 154.0 | 131.2 | 111.2 | 104.1 |
| 82.5° | 199.6 | 176.8 | 149.7 | 122.6 | 96.9 | 75.6 | 67.0 |
| 85° | 175.3 | 151.1 | 124.0 | 96.9 | 71.3 | 48.5 | 37.1 |
| 87.5° | 156.8 | 129.7 | 102.6 | 77.0 | 49.9 | 27.1 | 14.3 |
| 90° | 139.7 | 114.0 | 88.4 | 61.3 | 35.6 | 14.3 | 0.0 |
| 92.5° | 124.0 | 99.8 | 74.1 | 49.9 | 27.1 | 8.6 | 1.4 |
| 95° | 109.8 | 88.4 | 62.7 | 39.9 | 20.0 | 5.7 | 1.4 |
| 97.5° | 98.4 | 77.0 | 54.2 | 32.8 | 15.7 | 4.3 | 1.4 |
| 100° | 88.4 | 67.0 | 47.0 | 27.1 | 12.8 | 2.9 | 1.4 |
| 102.5° | 78.4 | 59.9 | 39.9 | 22.8 | 10.0 | 1.4 | 1.4 |
| 105° | 69.9 | 52.7 | 34.2 | 20.0 | 8.6 | 1.4 | 1.4 |
| 107.5° | 62.7 | 47.0 | 29.9 | 17.1 | 5.7 | 1.4 | 1.4 |
| 110° | 55.6 | 39.9 | 25.7 | 14.3 | 4.3 | 1.4 | 1.4 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LN-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 49.9 | 35.6 | 22.8 | 11.4 | 2.9 | 1.4 | 1.4 |
| 115° | 44.2 | 31.4 | 20.0 | 10.0 | 2.9 | 1.4 | 1.4 |
| 117.5° | 38.5 | 27.1 | 17.1 | 7.1 | 1.4 | 1.4 | 1.4 |
| 120° | 34.2 | 24.2 | 14.3 | 5.7 | 1.4 | 1.4 | 1.4 |
| 122.5° | 29.9 | 20.0 | 11.4 | 4.3 | 1.4 | 1.4 | 1.4 |
| 125° | 25.7 | 17.1 | 10.0 | 2.9 | 1.4 | 1.4 | 1.4 |
| 127.5° | 21.4 | 14.3 | 7.1 | 2.9 | 1.4 | 1.4 | 1.4 |
| 130° | 18.5 | 11.4 | 5.7 | 1.4 | 1.4 | 1.4 | 1.4 |
| 132.5° | 15.7 | 8.6 | 4.3 | 1.4 | 1.4 | 1.4 | 1.4 |
| 135° | 12.8 | 7.1 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 |
| 137.5° | 10.0 | 5.7 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 |
| 140° | 7.1 | 4.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 142.5° | 5.7 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 145° | 4.3 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 147.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 |
| 150° | 2.9 | 2.9 | 1.4 | 1.4 | 2.9 | 1.4 | 1.4 |
| 152.5° | 2.9 | 1.4 | 1.4 | 1.4 | 2.9 | 1.4 | 1.4 |
| 155° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 |
| 157.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 160° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 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)