

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-LC-UNV-L950-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 (P33518)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR LENSED  
Light Source: -  
Ballast/Driver: -

**Summary**

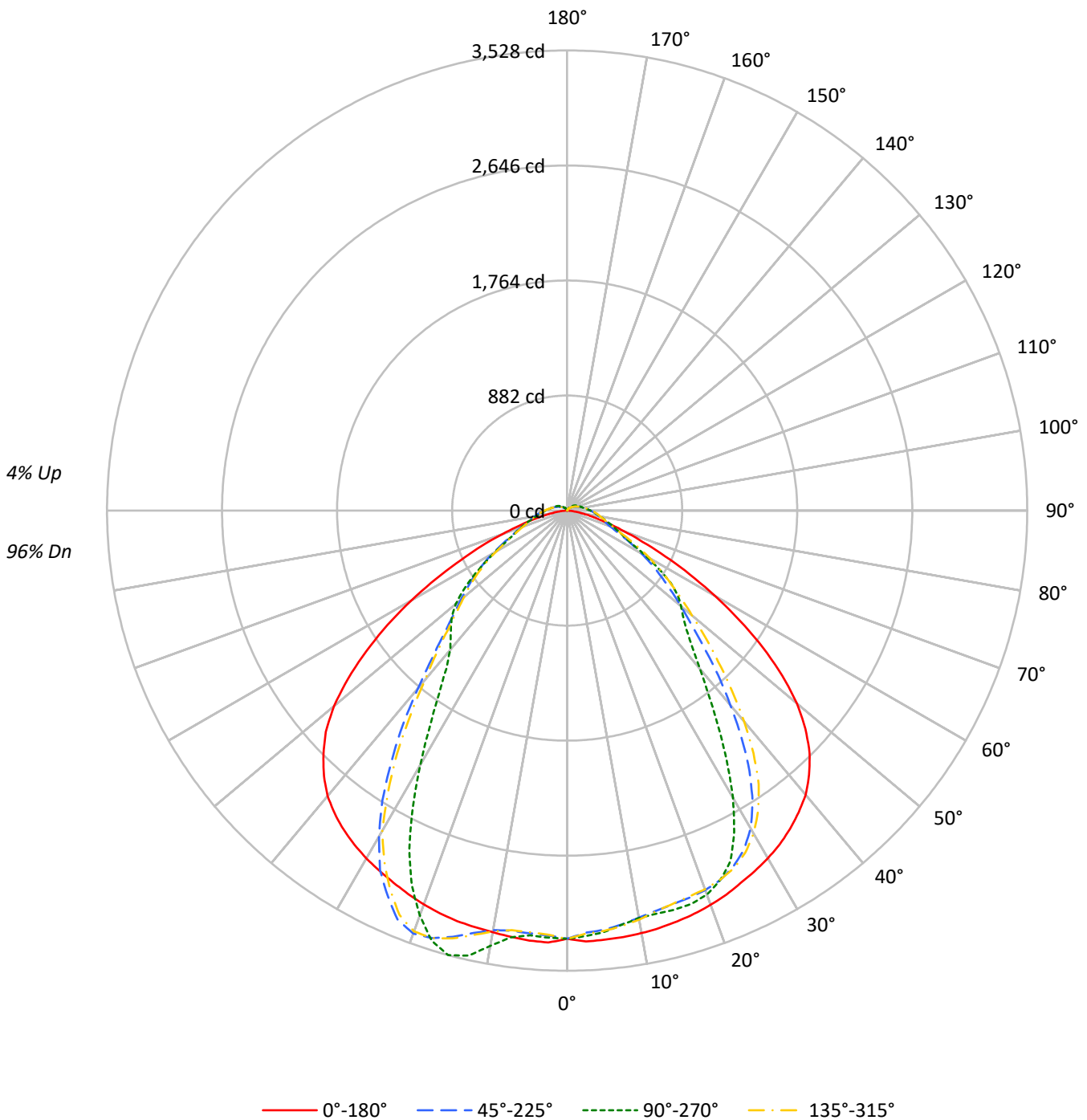
Lumens per Lamp: N/A  
Luminaire Lumens: 7825.0 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.12 / 1.19  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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-LC-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-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 | 115 | 115 | 115 | 115 | 109 | 109 | 109 | 103 | 103 | 103 | 98 | 98 | 98 | 96 |    |    |    |   |
| 1   | 109 | 104 | 100 | 97  | 106 | 102 | 98  | 95  | 97  | 94  | 91  | 92  | 90  | 88  | 88 | 86 | 84 | 82 |    |    |    |   |
| 2   | 100 | 93  | 86  | 81  | 97  | 90  | 85  | 80  | 86  | 82  | 77  | 82  | 79  | 75  | 79 | 76 | 73 | 71 |    |    |    |   |
| 3   | 92  | 83  | 75  | 69  | 89  | 81  | 74  | 68  | 77  | 71  | 67  | 74  | 69  | 65  | 71 | 67 | 63 | 61 |    |    |    |   |
| 4   | 85  | 74  | 66  | 60  | 83  | 73  | 65  | 59  | 70  | 63  | 58  | 67  | 61  | 57  | 64 | 60 | 56 | 54 |    |    |    |   |
| 5   | 79  | 67  | 59  | 52  | 76  | 66  | 58  | 52  | 63  | 56  | 51  | 61  | 55  | 50  | 59 | 53 | 49 | 47 |    |    |    |   |
| 6   | 73  | 61  | 52  | 46  | 71  | 60  | 52  | 46  | 57  | 51  | 45  | 55  | 49  | 45  | 54 | 48 | 44 | 42 |    |    |    |   |
| 7   | 68  | 55  | 47  | 42  | 66  | 54  | 47  | 41  | 53  | 46  | 41  | 51  | 45  | 40  | 49 | 44 | 40 | 38 |    |    |    |   |
| 8   | 64  | 51  | 43  | 37  | 62  | 50  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 36  | 45 | 40 | 36 | 34 |    |    |    |   |
| 9   | 60  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 38  | 33  | 43  | 37  | 33  | 42 | 37 | 33 | 31 |    |    |    |   |
| 10  | 56  | 43  | 36  | 31  | 54  | 43  | 36  | 31  | 42  | 35  | 30  | 40  | 34  | 30  | 39 | 34 | 30 | 28 |    |    |    |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 13263 | 13263 | 13263 | 13263 |
| 5°  | 13377 | 12737 | 13405 | 12837 |
| 10° | 13458 | 12207 | 13430 | 13036 |
| 15° | 13581 | 12044 | 13574 | 13410 |
| 20° | 13751 | 11853 | 13737 | 12494 |
| 25° | 13942 | 11244 | 13935 | 10865 |
| 30° | 14229 | 9745  | 14236 | 8634  |
| 35° | 14535 | 7881  | 14576 | 6669  |
| 40° | 14812 | 6345  | 14873 | 5590  |
| 45° | 14795 | 5374  | 14871 | 5234  |
| 50° | 14198 | 4948  | 14396 | 4838  |
| 55° | 12641 | 4447  | 12956 | 4043  |
| 60° | 10299 | 3404  | 10845 | 3122  |
| 65° | 7701  | 2604  | 8297  | 2469  |
| 70° | 5281  | 2248  | 5954  | 2149  |
| 75° | 3502  | 2029  | 4077  | 1918  |
| 80° | 2319  | 1891  | 2719  | 1740  |
| 85° | 1267  | 1887  | 1668  | 1724  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 311.8  | 4.0       |
| 10°-20°   | 927.7  | 11.9      |
| 20°-30°   | 1410.3 | 18.0      |
| 30°-40°   | 1512.9 | 19.3      |
| 40°-50°   | 1313.1 | 16.8      |
| 50°-60°   | 973.1  | 12.4      |
| 60°-70°   | 557.6  | 7.1       |
| 70°-80°   | 308.8  | 3.9       |
| 80°-90°   | 188.0  | 2.4       |
| 90°-100°  | 122.3  | 1.6       |
| 100°-110° | 81.9   | 1.0       |
| 110°-120° | 55.3   | 0.7       |
| 120°-130° | 33.9   | 0.4       |
| 130°-140° | 17.8   | 0.2       |
| 140°-150° | 8.1    | 0.1       |
| 150°-160° | 2.4    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 2649.8 | 33.9      |
| 0°-40°    | 4162.7 | 53.2      |
| 0°-60°    | 6448.9 | 82.4      |
| 0°-90°    | 7503.3 | 95.9      |
| 90°-120°  | 259.4  | 3.3       |
| 90°-150°  | 319.3  | 4.1       |
| 90°-180°  | 322.0  | 4.1       |
| 0°-180°   | 7825.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 3282 | 3282 | 3282 | 3282 | 3282 |      |
| 5°   | 3303 | 3243 | 3310 | 3269 | 3303 | 315  |
| 15°  | 3260 | 3169 | 3259 | 3528 | 3260 | 922  |
| 25°  | 3150 | 2964 | 3148 | 2864 | 3150 | 1456 |
| 35°  | 2979 | 2018 | 2987 | 1707 | 2979 | 1865 |
| 45°  | 2630 | 1294 | 2643 | 1260 | 2630 | 2013 |
| 55°  | 1834 | 970  | 1880 | 882  | 1834 | 1627 |
| 65°  | 832  | 492  | 897  | 466  | 832  | 839  |
| 75°  | 237  | 312  | 276  | 295  | 237  | 271  |
| 85°  | 32   | 215  | 42   | 197  | 32   | 42   |
| 90°  | 0    | 180  | 3    | 166  | 0    | 1    |
| 95°  | 2    | 148  | 0    | 141  | 2    | 1    |
| 105° | 2    | 110  | 2    | 105  | 2    | 2    |
| 115° | 2    | 90   | 2    | 81   | 2    | 2    |
| 125° | 2    | 68   | 2    | 56   | 2    | 2    |
| 135° | 2    | 42   | 2    | 36   | 2    | 1    |
| 145° | 2    | 25   | 3    | 20   | 2    | 1    |
| 155° | 3    | 12   | 3    | 10   | 3    | 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-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5°   | 3306.1 | 3297.6 | 3294.3 | 3287.5 | 3292.6 | 3312.9 | 3299.3 | 3277.3 | 3279.0 | 3240.0 | 3260.3 |
| 5°     | 3302.7 | 3292.6 | 3287.5 | 3280.7 | 3284.1 | 3302.7 | 3289.2 | 3267.1 | 3265.4 | 3226.4 | 3245.1 |
| 7.5°   | 3297.6 | 3287.5 | 3279.0 | 3273.9 | 3275.6 | 3290.9 | 3273.9 | 3248.5 | 3243.4 | 3201.0 | 3218.0 |
| 10°    | 3289.2 | 3282.4 | 3270.5 | 3262.0 | 3260.3 | 3277.3 | 3250.2 | 3224.7 | 3212.9 | 3168.8 | 3185.7 |
| 12.5°  | 3277.3 | 3267.1 | 3255.3 | 3240.0 | 3238.3 | 3248.5 | 3226.4 | 3190.8 | 3179.0 | 3143.4 | 3162.0 |
| 15°    | 3260.3 | 3248.5 | 3234.9 | 3218.0 | 3209.5 | 3216.3 | 3189.1 | 3156.9 | 3155.2 | 3124.7 | 3150.1 |
| 17.5°  | 3241.7 | 3224.7 | 3209.5 | 3185.7 | 3173.9 | 3179.0 | 3156.9 | 3128.1 | 3131.5 | 3112.8 | 3141.7 |
| 20°    | 3216.3 | 3197.6 | 3173.9 | 3150.1 | 3133.2 | 3141.7 | 3126.4 | 3104.4 | 3109.5 | 3095.9 | 3121.3 |
| 22.5°  | 3187.4 | 3162.0 | 3133.2 | 3106.1 | 3092.5 | 3104.4 | 3092.5 | 3073.8 | 3075.5 | 3067.1 | 3082.3 |
| 25°    | 3150.1 | 3121.3 | 3087.4 | 3053.5 | 3046.7 | 3055.2 | 3048.4 | 3033.2 | 3026.4 | 3012.8 | 3019.6 |
| 27.5°  | 3116.2 | 3084.0 | 3041.6 | 3006.0 | 2994.2 | 3011.1 | 2995.9 | 2970.4 | 2951.8 | 2933.1 | 2919.6 |
| 30°    | 3077.2 | 3038.2 | 2990.8 | 2950.1 | 2939.9 | 2946.7 | 2924.6 | 2885.7 | 2836.5 | 2812.7 | 2775.4 |
| 32.5°  | 3034.9 | 2984.0 | 2924.6 | 2878.9 | 2872.1 | 2867.0 | 2826.3 | 2770.4 | 2694.1 | 2646.6 | 2589.0 |
| 35°    | 2978.9 | 2923.0 | 2851.7 | 2795.8 | 2785.6 | 2756.8 | 2690.7 | 2616.1 | 2517.7 | 2436.4 | 2338.0 |
| 37.5°  | 2916.2 | 2850.0 | 2775.4 | 2700.9 | 2672.0 | 2614.4 | 2521.1 | 2443.1 | 2293.9 | 2195.6 | 2076.9 |
| 40°    | 2845.0 | 2765.3 | 2673.7 | 2583.9 | 2536.4 | 2443.1 | 2336.3 | 2221.0 | 2076.9 | 1944.7 | 1844.6 |
| 42.5°  | 2746.6 | 2661.9 | 2553.3 | 2453.3 | 2371.9 | 2248.2 | 2122.7 | 1959.9 | 1827.7 | 1715.8 | 1614.1 |
| 45°    | 2629.6 | 2527.9 | 2402.5 | 2282.1 | 2178.7 | 2031.1 | 1883.6 | 1720.9 | 1610.7 | 1480.1 | 1410.6 |
| 47.5°  | 2478.7 | 2368.5 | 2234.6 | 2100.7 | 1965.0 | 1802.3 | 1648.0 | 1492.0 | 1381.8 | 1288.5 | 1237.7 |
| 50°    | 2300.7 | 2199.0 | 2051.5 | 1892.1 | 1742.9 | 1573.4 | 1419.1 | 1302.1 | 1195.3 | 1137.6 | 1098.7 |
| 52.5°  | 2080.3 | 1985.4 | 1834.5 | 1661.5 | 1517.4 | 1351.3 | 1210.6 | 1115.6 | 1039.3 | 996.9  | 983.4  |
| 55°    | 1834.5 | 1751.4 | 1602.2 | 1441.1 | 1293.6 | 1141.0 | 1034.2 | 951.1  | 902.0  | 876.5  | 878.2  |
| 57.5°  | 1571.7 | 1507.3 | 1366.5 | 1222.4 | 1083.4 | 968.1  | 871.5  | 805.3  | 768.0  | 766.3  | 771.4  |
| 60°    | 1308.9 | 1261.4 | 1139.3 | 1015.6 | 893.5  | 800.3  | 729.0  | 683.3  | 659.5  | 661.2  | 659.5  |
| 62.5°  | 1058.0 | 1013.9 | 925.7  | 824.0  | 727.3  | 664.6  | 600.2  | 581.5  | 561.2  | 559.5  | 559.5  |
| 65°    | 832.5  | 798.6  | 727.3  | 654.4  | 581.5  | 540.8  | 508.6  | 486.6  | 471.3  | 467.9  | 469.6  |
| 67.5°  | 625.6  | 612.1  | 562.9  | 513.7  | 467.9  | 442.5  | 415.4  | 410.3  | 398.4  | 398.4  | 401.8  |
| 70°    | 466.2  | 456.1  | 428.9  | 400.1  | 381.5  | 364.5  | 351.0  | 351.0  | 349.3  | 347.6  | 356.0  |
| 72.5°  | 337.4  | 339.1  | 330.6  | 308.6  | 306.9  | 303.5  | 300.1  | 305.2  | 306.9  | 312.0  | 322.1  |
| 75°    | 237.4  | 242.4  | 242.4  | 239.1  | 245.8  | 254.3  | 259.4  | 267.9  | 278.1  | 284.8  | 296.7  |
| 77.5°  | 167.8  | 167.8  | 176.3  | 186.5  | 200.1  | 215.3  | 228.9  | 240.8  | 254.3  | 262.8  | 273.0  |
| 80°    | 108.5  | 113.6  | 127.2  | 145.8  | 164.5  | 184.8  | 203.5  | 218.7  | 232.3  | 245.8  | 252.6  |
| 82.5°  | 64.4   | 72.9   | 89.9   | 113.6  | 137.3  | 162.8  | 181.4  | 200.1  | 215.3  | 228.9  | 234.0  |
| 85°    | 32.2   | 44.1   | 64.4   | 89.9   | 115.3  | 142.4  | 166.2  | 183.1  | 200.1  | 211.9  | 218.7  |
| 87.5°  | 10.2   | 23.7   | 45.8   | 69.5   | 96.6   | 123.8  | 149.2  | 167.8  | 183.1  | 193.3  | 200.1  |
| 90°    | 0.0    | 11.9   | 32.2   | 57.6   | 83.1   | 110.2  | 133.9  | 154.3  | 169.5  | 178.0  | 183.1  |
| 92.5°  | 0.0    | 6.8    | 25.4   | 47.5   | 71.2   | 98.3   | 122.1  | 140.7  | 154.3  | 162.8  | 166.2  |
| 95°    | 1.7    | 5.1    | 18.6   | 39.0   | 62.7   | 88.2   | 110.2  | 127.2  | 140.7  | 149.2  | 150.9  |
| 97.5°  | 1.7    | 3.4    | 15.3   | 32.2   | 54.3   | 78.0   | 100.0  | 117.0  | 127.2  | 135.6  | 137.3  |
| 100°   | 1.7    | 3.4    | 11.9   | 28.8   | 47.5   | 69.5   | 89.9   | 105.1  | 117.0  | 123.8  | 125.5  |
| 102.5° | 1.7    | 1.7    | 10.2   | 23.7   | 42.4   | 61.0   | 79.7   | 94.9   | 105.1  | 111.9  | 115.3  |
| 105°   | 1.7    | 1.7    | 8.5    | 20.3   | 37.3   | 54.3   | 71.2   | 86.5   | 94.9   | 101.7  | 105.1  |
| 107.5° | 1.7    | 1.7    | 6.8    | 17.0   | 32.2   | 47.5   | 64.4   | 76.3   | 86.5   | 93.2   | 96.6   |
| 110°   | 1.7    | 1.7    | 5.1    | 15.3   | 27.1   | 42.4   | 55.9   | 67.8   | 78.0   | 84.8   | 88.2   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|-----|-----|-----|------|------|------|------|------|------|------|------|
| 112.5° | 1.7 | 1.7 | 5.1 | 13.6 | 23.7 | 37.3 | 49.2 | 61.0 | 69.5 | 76.3 | 81.4 |
| 115°   | 1.7 | 1.7 | 5.1 | 11.9 | 22.0 | 32.2 | 44.1 | 54.3 | 62.7 | 69.5 | 74.6 |
| 117.5° | 1.7 | 1.7 | 5.1 | 10.2 | 18.6 | 28.8 | 39.0 | 49.2 | 55.9 | 62.7 | 67.8 |
| 120°   | 1.7 | 1.7 | 3.4 | 8.5  | 17.0 | 25.4 | 33.9 | 42.4 | 50.9 | 57.6 | 62.7 |
| 122.5° | 1.7 | 1.7 | 3.4 | 8.5  | 13.6 | 22.0 | 30.5 | 37.3 | 45.8 | 50.9 | 55.9 |
| 125°   | 1.7 | 1.7 | 3.4 | 6.8  | 11.9 | 20.3 | 27.1 | 33.9 | 39.0 | 45.8 | 50.9 |
| 127.5° | 1.7 | 1.7 | 3.4 | 6.8  | 10.2 | 17.0 | 23.7 | 30.5 | 35.6 | 40.7 | 44.1 |
| 130°   | 1.7 | 1.7 | 3.4 | 5.1  | 8.5  | 13.6 | 20.3 | 25.4 | 32.2 | 35.6 | 39.0 |
| 132.5° | 1.7 | 1.7 | 1.7 | 5.1  | 6.8  | 10.2 | 15.3 | 22.0 | 27.1 | 32.2 | 33.9 |
| 135°   | 1.7 | 1.7 | 1.7 | 3.4  | 6.8  | 8.5  | 11.9 | 17.0 | 22.0 | 27.1 | 30.5 |
| 137.5° | 1.7 | 1.7 | 1.7 | 3.4  | 5.1  | 8.5  | 10.2 | 13.6 | 18.6 | 22.0 | 27.1 |
| 140°   | 1.7 | 1.7 | 1.7 | 3.4  | 5.1  | 6.8  | 8.5  | 11.9 | 15.3 | 18.6 | 22.0 |
| 142.5° | 1.7 | 1.7 | 1.7 | 3.4  | 3.4  | 5.1  | 6.8  | 10.2 | 11.9 | 15.3 | 18.6 |
| 145°   | 1.7 | 1.7 | 1.7 | 3.4  | 3.4  | 5.1  | 6.8  | 8.5  | 10.2 | 11.9 | 15.3 |
| 147.5° | 1.7 | 1.7 | 1.7 | 3.4  | 3.4  | 3.4  | 5.1  | 6.8  | 8.5  | 10.2 | 11.9 |
| 150°   | 3.4 | 3.4 | 3.4 | 3.4  | 3.4  | 3.4  | 5.1  | 5.1  | 6.8  | 8.5  | 10.2 |
| 152.5° | 3.4 | 3.4 | 3.4 | 3.4  | 3.4  | 3.4  | 5.1  | 5.1  | 5.1  | 6.8  | 8.5  |
| 155°   | 3.4 | 3.4 | 3.4 | 3.4  | 3.4  | 3.4  | 3.4  | 5.1  | 5.1  | 6.8  | 6.8  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5°   | 3253.6 | 3257.0 | 3277.3 | 3275.6 | 3272.2 | 3268.8 | 3268.8 | 3265.4 | 3268.8 | 3277.3 | 3273.9 |
| 5°     | 3236.6 | 3241.7 | 3257.0 | 3255.3 | 3251.9 | 3250.2 | 3248.5 | 3243.4 | 3246.8 | 3258.7 | 3255.3 |
| 7.5°   | 3206.1 | 3211.2 | 3224.7 | 3218.0 | 3212.9 | 3216.3 | 3207.8 | 3202.7 | 3209.5 | 3221.4 | 3219.7 |
| 10°    | 3173.9 | 3177.3 | 3194.2 | 3190.8 | 3182.4 | 3184.1 | 3175.6 | 3172.2 | 3180.7 | 3187.4 | 3189.1 |
| 12.5°  | 3151.8 | 3163.7 | 3179.0 | 3177.3 | 3175.6 | 3177.3 | 3168.8 | 3165.4 | 3170.5 | 3177.3 | 3175.6 |
| 15°    | 3146.8 | 3162.0 | 3179.0 | 3179.0 | 3180.7 | 3182.4 | 3173.9 | 3168.8 | 3173.9 | 3179.0 | 3177.3 |
| 17.5°  | 3141.7 | 3160.3 | 3175.6 | 3173.9 | 3175.6 | 3179.0 | 3165.4 | 3162.0 | 3168.8 | 3175.6 | 3172.2 |
| 20°    | 3124.7 | 3141.7 | 3151.8 | 3148.4 | 3148.4 | 3150.1 | 3133.2 | 3133.2 | 3143.4 | 3148.4 | 3150.1 |
| 22.5°  | 3077.2 | 3097.6 | 3097.6 | 3089.1 | 3089.1 | 3082.3 | 3077.2 | 3067.1 | 3078.9 | 3087.4 | 3094.2 |
| 25°    | 3006.0 | 3014.5 | 3004.3 | 2985.7 | 2975.5 | 2967.0 | 2943.3 | 2963.6 | 2963.6 | 2989.1 | 2997.6 |
| 27.5°  | 2906.0 | 2887.3 | 2858.5 | 2819.5 | 2811.1 | 2783.9 | 2768.7 | 2773.8 | 2782.2 | 2817.8 | 2845.0 |
| 30°    | 2741.5 | 2685.6 | 2636.4 | 2619.5 | 2582.2 | 2555.0 | 2527.9 | 2541.5 | 2556.7 | 2577.1 | 2633.0 |
| 32.5°  | 2524.5 | 2470.3 | 2390.6 | 2361.8 | 2322.8 | 2288.9 | 2256.6 | 2277.0 | 2304.1 | 2317.7 | 2378.7 |
| 35°    | 2275.3 | 2210.9 | 2138.0 | 2088.8 | 2048.1 | 2029.5 | 1988.8 | 2017.6 | 2046.4 | 2056.6 | 2109.1 |
| 37.5°  | 2010.8 | 1944.7 | 1880.3 | 1837.9 | 1798.9 | 1787.0 | 1759.9 | 1780.2 | 1802.3 | 1817.5 | 1861.6 |
| 40°    | 1759.9 | 1698.8 | 1649.7 | 1620.8 | 1593.7 | 1583.5 | 1573.4 | 1581.9 | 1598.8 | 1610.7 | 1644.6 |
| 42.5°  | 1544.6 | 1495.4 | 1461.5 | 1444.5 | 1425.9 | 1412.3 | 1414.0 | 1417.4 | 1425.9 | 1451.3 | 1466.6 |
| 45°    | 1356.4 | 1327.5 | 1305.5 | 1302.1 | 1290.2 | 1288.5 | 1286.8 | 1293.6 | 1298.7 | 1314.0 | 1325.8 |
| 47.5°  | 1205.5 | 1193.6 | 1188.5 | 1195.3 | 1200.4 | 1193.6 | 1197.0 | 1205.5 | 1215.6 | 1215.6 | 1213.9 |
| 50°    | 1086.8 | 1090.2 | 1097.0 | 1112.2 | 1122.4 | 1125.8 | 1129.2 | 1139.3 | 1141.0 | 1144.4 | 1139.3 |
| 52.5°  | 990.1  | 993.5  | 1012.2 | 1035.9 | 1047.8 | 1052.9 | 1059.7 | 1069.8 | 1069.8 | 1073.2 | 1066.4 |
| 55°    | 891.8  | 896.9  | 915.5  | 939.3  | 949.5  | 956.2  | 963.0  | 969.8  | 974.9  | 981.7  | 976.6  |
| 57.5°  | 783.3  | 798.6  | 810.4  | 817.2  | 824.0  | 829.1  | 834.2  | 835.9  | 846.0  | 847.7  | 856.2  |
| 60°    | 668.0  | 671.4  | 683.3  | 681.6  | 676.5  | 690.0  | 683.3  | 695.1  | 707.0  | 722.3  | 724.0  |
| 62.5°  | 557.8  | 559.5  | 568.0  | 564.6  | 571.4  | 569.7  | 574.8  | 574.8  | 583.2  | 590.0  | 598.5  |
| 65°    | 471.3  | 473.0  | 479.8  | 479.8  | 478.1  | 483.2  | 488.3  | 491.7  | 491.7  | 496.8  | 503.5  |
| 67.5°  | 406.9  | 412.0  | 418.8  | 422.2  | 425.6  | 425.6  | 430.6  | 432.3  | 435.7  | 437.4  | 440.8  |
| 70°    | 362.8  | 369.6  | 376.4  | 379.8  | 381.5  | 384.9  | 386.6  | 386.6  | 390.0  | 391.6  | 395.0  |
| 72.5°  | 330.6  | 337.4  | 342.5  | 342.5  | 345.9  | 347.6  | 347.6  | 349.3  | 351.0  | 354.3  | 357.7  |
| 75°    | 303.5  | 308.6  | 312.0  | 310.3  | 310.3  | 310.3  | 312.0  | 312.0  | 315.4  | 318.7  | 322.1  |
| 77.5°  | 278.1  | 283.1  | 283.1  | 279.7  | 279.7  | 279.7  | 279.7  | 281.4  | 283.1  | 286.5  | 289.9  |
| 80°    | 259.4  | 259.4  | 257.7  | 257.7  | 254.3  | 252.6  | 252.6  | 254.3  | 254.3  | 257.7  | 262.8  |
| 82.5°  | 239.1  | 239.1  | 237.4  | 235.7  | 234.0  | 232.3  | 232.3  | 234.0  | 235.7  | 237.4  | 240.8  |
| 85°    | 220.4  | 220.4  | 217.0  | 217.0  | 215.3  | 215.3  | 215.3  | 215.3  | 217.0  | 218.7  | 222.1  |
| 87.5°  | 201.8  | 200.1  | 198.4  | 196.7  | 196.7  | 196.7  | 196.7  | 196.7  | 198.4  | 201.8  | 203.5  |
| 90°    | 183.1  | 181.4  | 179.7  | 179.7  | 178.0  | 178.0  | 179.7  | 179.7  | 181.4  | 183.1  | 184.8  |
| 92.5°  | 166.2  | 164.5  | 162.8  | 162.8  | 161.1  | 161.1  | 162.8  | 161.1  | 164.5  | 164.5  | 166.2  |
| 95°    | 150.9  | 149.2  | 147.5  | 147.5  | 147.5  | 147.5  | 147.5  | 147.5  | 149.2  | 149.2  | 150.9  |
| 97.5°  | 137.3  | 135.6  | 133.9  | 133.9  | 135.6  | 133.9  | 135.6  | 135.6  | 135.6  | 137.3  | 139.0  |
| 100°   | 125.5  | 123.8  | 123.8  | 125.5  | 123.8  | 123.8  | 125.5  | 125.5  | 125.5  | 125.5  | 127.2  |
| 102.5° | 115.3  | 115.3  | 115.3  | 115.3  | 115.3  | 115.3  | 117.0  | 117.0  | 117.0  | 117.0  | 118.7  |
| 105°   | 105.1  | 106.8  | 106.8  | 106.8  | 108.5  | 108.5  | 108.5  | 110.2  | 110.2  | 110.2  | 110.2  |
| 107.5° | 98.3   | 100.0  | 100.0  | 101.7  | 101.7  | 103.4  | 103.4  | 103.4  | 103.4  | 105.1  | 105.1  |
| 110°   | 91.6   | 93.2   | 94.9   | 96.6   | 96.6   | 98.3   | 98.3   | 98.3   | 98.3   | 98.3   | 98.3   |





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  | 95°  | 100° | 105° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 84.8 | 86.5 | 88.2 | 91.6 | 93.2 | 93.2 | 93.2 | 93.2 | 94.9 | 94.9 | 93.2 |
| 115°   | 78.0 | 81.4 | 83.1 | 86.5 | 88.2 | 88.2 | 89.9 | 89.9 | 89.9 | 89.9 | 88.2 |
| 117.5° | 71.2 | 76.3 | 78.0 | 81.4 | 83.1 | 83.1 | 84.8 | 84.8 | 84.8 | 84.8 | 83.1 |
| 120°   | 66.1 | 69.5 | 72.9 | 74.6 | 76.3 | 78.0 | 78.0 | 79.7 | 79.7 | 79.7 | 78.0 |
| 122.5° | 61.0 | 64.4 | 67.8 | 69.5 | 71.2 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 125°   | 54.3 | 57.6 | 61.0 | 62.7 | 64.4 | 66.1 | 66.1 | 67.8 | 67.8 | 67.8 | 66.1 |
| 127.5° | 49.2 | 52.6 | 54.3 | 57.6 | 59.3 | 59.3 | 61.0 | 61.0 | 61.0 | 61.0 | 59.3 |
| 130°   | 42.4 | 45.8 | 49.2 | 50.9 | 52.6 | 52.6 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| 132.5° | 37.3 | 40.7 | 42.4 | 45.8 | 45.8 | 47.5 | 47.5 | 49.2 | 49.2 | 49.2 | 47.5 |
| 135°   | 33.9 | 35.6 | 37.3 | 40.7 | 40.7 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| 137.5° | 30.5 | 32.2 | 33.9 | 35.6 | 35.6 | 37.3 | 37.3 | 37.3 | 37.3 | 39.0 | 37.3 |
| 140°   | 25.4 | 28.8 | 30.5 | 30.5 | 32.2 | 32.2 | 32.2 | 33.9 | 33.9 | 33.9 | 32.2 |
| 142.5° | 22.0 | 23.7 | 25.4 | 27.1 | 28.8 | 28.8 | 28.8 | 28.8 | 30.5 | 28.8 | 28.8 |
| 145°   | 17.0 | 20.3 | 22.0 | 23.7 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| 147.5° | 13.6 | 15.3 | 18.6 | 20.3 | 20.3 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 150°   | 11.9 | 11.9 | 15.3 | 17.0 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 |
| 152.5° | 8.5  | 10.2 | 11.9 | 13.6 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 | 15.3 |
| 155°   | 8.5  | 8.5  | 10.2 | 10.2 | 11.9 | 11.9 | 11.9 | 11.9 | 13.6 | 11.9 | 11.9 |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5°   | 3268.8 | 3267.1 | 3273.9 | 3267.1 | 3233.2 | 3246.8 | 3241.7 | 3260.3 | 3262.0 | 3267.1 | 3284.1 |
| 5°     | 3251.9 | 3251.9 | 3260.3 | 3253.6 | 3221.4 | 3234.9 | 3233.2 | 3251.9 | 3255.3 | 3258.7 | 3277.3 |
| 7.5°   | 3218.0 | 3219.7 | 3231.5 | 3226.4 | 3192.5 | 3212.9 | 3211.2 | 3233.2 | 3240.0 | 3246.8 | 3263.7 |
| 10°    | 3185.7 | 3184.1 | 3197.6 | 3192.5 | 3160.3 | 3184.1 | 3182.4 | 3204.4 | 3214.6 | 3226.4 | 3246.8 |
| 12.5°  | 3168.8 | 3163.7 | 3168.8 | 3163.7 | 3128.1 | 3146.8 | 3148.4 | 3173.9 | 3185.7 | 3201.0 | 3224.7 |
| 15°    | 3168.8 | 3160.3 | 3160.3 | 3150.1 | 3109.5 | 3121.3 | 3123.0 | 3140.0 | 3155.2 | 3170.5 | 3199.3 |
| 17.5°  | 3165.4 | 3156.9 | 3155.2 | 3146.8 | 3102.7 | 3102.7 | 3101.0 | 3112.8 | 3121.3 | 3136.6 | 3167.1 |
| 20°    | 3146.8 | 3143.4 | 3141.7 | 3136.6 | 3095.9 | 3089.1 | 3085.7 | 3085.7 | 3090.8 | 3095.9 | 3126.4 |
| 22.5°  | 3097.6 | 3101.0 | 3104.4 | 3107.8 | 3075.5 | 3063.7 | 3065.4 | 3062.0 | 3056.9 | 3056.9 | 3082.3 |
| 25°    | 3006.0 | 3023.0 | 3036.5 | 3051.8 | 3033.2 | 3024.7 | 3034.9 | 3029.8 | 3021.3 | 3014.5 | 3036.5 |
| 27.5°  | 2860.2 | 2895.8 | 2924.6 | 2961.9 | 2963.6 | 2956.9 | 2984.0 | 2980.6 | 2978.9 | 2968.7 | 2985.7 |
| 30°    | 2658.5 | 2714.4 | 2753.4 | 2807.7 | 2853.4 | 2860.2 | 2906.0 | 2912.8 | 2919.6 | 2914.5 | 2931.4 |
| 32.5°  | 2414.3 | 2490.6 | 2556.7 | 2641.5 | 2685.6 | 2724.6 | 2789.0 | 2816.1 | 2843.3 | 2851.7 | 2870.4 |
| 35°    | 2148.1 | 2234.6 | 2312.6 | 2405.8 | 2475.4 | 2560.1 | 2638.1 | 2678.8 | 2739.8 | 2763.6 | 2790.7 |
| 37.5°  | 1895.5 | 1976.9 | 2053.2 | 2146.4 | 2258.3 | 2346.5 | 2443.1 | 2534.7 | 2617.8 | 2651.7 | 2692.4 |
| 40°    | 1671.7 | 1737.8 | 1810.7 | 1892.1 | 1993.8 | 2109.1 | 2214.3 | 2341.4 | 2439.8 | 2507.6 | 2566.9 |
| 42.5°  | 1502.2 | 1534.4 | 1597.1 | 1670.0 | 1751.4 | 1868.4 | 1975.2 | 2117.6 | 2236.3 | 2332.9 | 2431.3 |
| 45°    | 1351.3 | 1366.5 | 1412.3 | 1451.3 | 1534.4 | 1637.8 | 1751.4 | 1890.4 | 2014.2 | 2138.0 | 2256.6 |
| 47.5°  | 1222.4 | 1241.1 | 1263.1 | 1286.8 | 1346.2 | 1432.7 | 1531.0 | 1656.5 | 1780.2 | 1924.3 | 2060.0 |
| 50°    | 1136.0 | 1141.0 | 1144.4 | 1154.6 | 1190.2 | 1249.5 | 1329.2 | 1436.0 | 1554.7 | 1709.0 | 1853.1 |
| 52.5°  | 1059.7 | 1059.7 | 1049.5 | 1044.4 | 1058.0 | 1095.3 | 1141.0 | 1217.3 | 1339.4 | 1481.8 | 1634.4 |
| 55°    | 978.3  | 963.0  | 959.6  | 942.7  | 946.1  | 963.0  | 985.1  | 1044.4 | 1144.4 | 1266.5 | 1414.0 |
| 57.5°  | 864.7  | 857.9  | 857.9  | 851.1  | 837.6  | 846.0  | 851.1  | 893.5  | 964.7  | 1069.8 | 1198.7 |
| 60°    | 734.1  | 730.7  | 739.2  | 740.9  | 729.0  | 734.1  | 732.4  | 757.9  | 808.7  | 893.5  | 1000.3 |
| 62.5°  | 603.6  | 618.8  | 620.5  | 627.3  | 620.5  | 618.8  | 627.3  | 649.4  | 674.8  | 739.2  | 822.3  |
| 65°    | 506.9  | 515.4  | 517.1  | 525.6  | 522.2  | 522.2  | 529.0  | 545.9  | 561.2  | 605.3  | 669.7  |
| 67.5°  | 444.2  | 440.8  | 442.5  | 447.6  | 442.5  | 440.8  | 445.9  | 456.1  | 467.9  | 495.1  | 540.8  |
| 70°    | 395.0  | 391.6  | 391.6  | 391.6  | 384.9  | 379.8  | 381.5  | 384.9  | 390.0  | 405.2  | 434.0  |
| 72.5°  | 357.7  | 357.7  | 352.7  | 347.6  | 342.5  | 339.1  | 335.7  | 332.3  | 330.6  | 335.7  | 351.0  |
| 75°    | 323.8  | 325.5  | 323.8  | 318.7  | 312.0  | 305.2  | 298.4  | 291.6  | 283.1  | 279.7  | 281.4  |
| 77.5°  | 293.3  | 295.0  | 296.7  | 295.0  | 288.2  | 279.7  | 269.6  | 259.4  | 247.5  | 235.7  | 228.9  |
| 80°    | 266.2  | 269.6  | 271.3  | 269.6  | 264.5  | 257.7  | 245.8  | 234.0  | 217.0  | 201.8  | 184.8  |
| 82.5°  | 242.4  | 247.5  | 249.2  | 249.2  | 245.8  | 239.1  | 225.5  | 211.9  | 193.3  | 172.9  | 150.9  |
| 85°    | 223.8  | 227.2  | 230.6  | 230.6  | 228.9  | 222.1  | 208.5  | 193.3  | 174.6  | 150.9  | 127.2  |
| 87.5°  | 205.1  | 206.8  | 210.2  | 213.6  | 210.2  | 203.5  | 191.6  | 174.6  | 156.0  | 132.2  | 105.1  |
| 90°    | 186.5  | 188.2  | 191.6  | 195.0  | 193.3  | 186.5  | 176.3  | 161.1  | 140.7  | 115.3  | 88.2   |
| 92.5°  | 167.8  | 171.2  | 172.9  | 174.6  | 176.3  | 171.2  | 162.8  | 147.5  | 127.2  | 101.7  | 76.3   |
| 95°    | 154.3  | 154.3  | 157.7  | 159.4  | 161.1  | 156.0  | 149.2  | 133.9  | 115.3  | 91.6   | 66.1   |
| 97.5°  | 140.7  | 140.7  | 144.1  | 144.1  | 145.8  | 142.4  | 135.6  | 122.1  | 103.4  | 81.4   | 55.9   |
| 100°   | 127.2  | 128.9  | 130.5  | 132.2  | 132.2  | 130.5  | 123.8  | 110.2  | 93.2   | 72.9   | 49.2   |
| 102.5° | 118.7  | 118.7  | 120.4  | 120.4  | 122.1  | 118.7  | 111.9  | 100.0  | 83.1   | 64.4   | 42.4   |
| 105°   | 110.2  | 110.2  | 111.9  | 111.9  | 110.2  | 106.8  | 100.0  | 89.9   | 74.6   | 55.9   | 37.3   |
| 107.5° | 103.4  | 103.4  | 103.4  | 103.4  | 101.7  | 98.3   | 91.6   | 79.7   | 66.1   | 50.9   | 33.9   |
| 110°   | 98.3   | 96.6   | 96.6   | 94.9   | 93.2   | 88.2   | 81.4   | 71.2   | 59.3   | 44.1   | 28.8   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 93.2 | 91.6 | 89.9 | 88.2 | 84.8 | 79.7 | 72.9 | 64.4 | 52.6 | 39.0 | 25.4 |
| 115°   | 88.2 | 86.5 | 84.8 | 81.4 | 78.0 | 72.9 | 66.1 | 57.6 | 45.8 | 33.9 | 22.0 |
| 117.5° | 83.1 | 81.4 | 78.0 | 74.6 | 71.2 | 66.1 | 59.3 | 50.9 | 40.7 | 30.5 | 20.3 |
| 120°   | 76.3 | 74.6 | 72.9 | 69.5 | 66.1 | 59.3 | 52.6 | 45.8 | 35.6 | 27.1 | 17.0 |
| 122.5° | 71.2 | 69.5 | 66.1 | 64.4 | 59.3 | 54.3 | 47.5 | 40.7 | 32.2 | 23.7 | 15.3 |
| 125°   | 64.4 | 62.7 | 61.0 | 57.6 | 54.3 | 47.5 | 42.4 | 35.6 | 28.8 | 20.3 | 11.9 |
| 127.5° | 59.3 | 57.6 | 54.3 | 50.9 | 47.5 | 42.4 | 37.3 | 32.2 | 25.4 | 17.0 | 11.9 |
| 130°   | 52.6 | 50.9 | 49.2 | 45.8 | 42.4 | 37.3 | 33.9 | 27.1 | 22.0 | 15.3 | 10.2 |
| 132.5° | 45.8 | 45.8 | 44.1 | 40.7 | 37.3 | 33.9 | 28.8 | 23.7 | 18.6 | 13.6 | 8.5  |
| 135°   | 42.4 | 40.7 | 39.0 | 35.6 | 33.9 | 28.8 | 25.4 | 20.3 | 15.3 | 11.9 | 6.8  |
| 137.5° | 37.3 | 35.6 | 33.9 | 32.2 | 28.8 | 25.4 | 22.0 | 17.0 | 13.6 | 10.2 | 6.8  |
| 140°   | 32.2 | 30.5 | 30.5 | 27.1 | 25.4 | 22.0 | 18.6 | 15.3 | 11.9 | 8.5  | 5.1  |
| 142.5° | 28.8 | 27.1 | 25.4 | 23.7 | 22.0 | 18.6 | 15.3 | 11.9 | 10.2 | 6.8  | 5.1  |
| 145°   | 25.4 | 23.7 | 22.0 | 20.3 | 18.6 | 15.3 | 13.6 | 10.2 | 8.5  | 6.8  | 5.1  |
| 147.5° | 20.3 | 20.3 | 18.6 | 17.0 | 15.3 | 13.6 | 11.9 | 10.2 | 6.8  | 5.1  | 3.4  |
| 150°   | 17.0 | 17.0 | 15.3 | 13.6 | 13.6 | 11.9 | 10.2 | 8.5  | 6.8  | 5.1  | 3.4  |
| 152.5° | 15.3 | 13.6 | 13.6 | 11.9 | 11.9 | 10.2 | 8.5  | 6.8  | 5.1  | 5.1  | 3.4  |
| 155°   | 11.9 | 11.9 | 11.9 | 10.2 | 10.2 | 8.5  | 6.8  | 6.8  | 5.1  | 3.4  | 3.4  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5°   | 3287.5 | 3267.1 | 3284.1 | 3314.6 | 3311.2 | 3307.8 | 3304.4 | 3311.2 | 3333.3 | 3321.4 | 3302.7 |
| 5°     | 3282.4 | 3262.0 | 3280.7 | 3309.5 | 3307.8 | 3302.7 | 3299.3 | 3306.1 | 3328.2 | 3316.3 | 3296.0 |
| 7.5°   | 3272.2 | 3253.6 | 3267.1 | 3296.0 | 3296.0 | 3292.6 | 3289.2 | 3296.0 | 3316.3 | 3306.1 | 3285.8 |
| 10°    | 3255.3 | 3241.7 | 3255.3 | 3282.4 | 3284.1 | 3277.3 | 3273.9 | 3282.4 | 3302.7 | 3297.6 | 3280.7 |
| 12.5°  | 3241.7 | 3228.1 | 3243.4 | 3270.5 | 3272.2 | 3265.4 | 3260.3 | 3270.5 | 3297.6 | 3301.0 | 3296.0 |
| 15°    | 3223.0 | 3211.2 | 3229.8 | 3258.7 | 3258.7 | 3253.6 | 3253.6 | 3267.1 | 3304.4 | 3319.7 | 3328.2 |
| 17.5°  | 3195.9 | 3187.4 | 3209.5 | 3238.3 | 3240.0 | 3236.6 | 3238.3 | 3265.4 | 3314.6 | 3351.9 | 3375.6 |
| 20°    | 3162.0 | 3158.6 | 3182.4 | 3212.9 | 3218.0 | 3219.7 | 3228.1 | 3268.8 | 3336.6 | 3387.5 | 3411.2 |
| 22.5°  | 3121.3 | 3123.0 | 3150.1 | 3182.4 | 3189.1 | 3194.2 | 3211.2 | 3268.8 | 3353.6 | 3407.9 | 3418.0 |
| 25°    | 3075.5 | 3080.6 | 3109.5 | 3148.4 | 3156.9 | 3167.1 | 3195.9 | 3270.5 | 3358.7 | 3394.3 | 3377.3 |
| 27.5°  | 3026.4 | 3036.5 | 3073.8 | 3114.5 | 3124.7 | 3141.7 | 3179.0 | 3260.3 | 3334.9 | 3336.6 | 3273.9 |
| 30°    | 2975.5 | 2987.4 | 3031.5 | 3078.9 | 3095.9 | 3112.8 | 3158.6 | 3236.6 | 3277.3 | 3223.0 | 3112.8 |
| 32.5°  | 2917.9 | 2934.8 | 2978.9 | 3036.5 | 3056.9 | 3078.9 | 3124.7 | 3190.8 | 3175.6 | 3058.6 | 2900.9 |
| 35°    | 2845.0 | 2868.7 | 2919.6 | 2987.4 | 3006.0 | 3034.9 | 3067.1 | 3082.3 | 3014.5 | 2848.4 | 2670.3 |
| 37.5°  | 2755.1 | 2790.7 | 2850.0 | 2928.0 | 2948.4 | 2967.0 | 2975.5 | 2933.1 | 2797.5 | 2617.8 | 2433.0 |
| 40°    | 2651.7 | 2705.9 | 2770.4 | 2856.8 | 2877.2 | 2877.2 | 2846.7 | 2756.8 | 2585.6 | 2349.9 | 2144.7 |
| 42.5°  | 2526.2 | 2592.3 | 2673.7 | 2760.2 | 2780.5 | 2756.8 | 2683.9 | 2526.2 | 2331.2 | 2068.4 | 1851.4 |
| 45°    | 2373.6 | 2461.8 | 2553.3 | 2643.2 | 2653.4 | 2600.8 | 2470.3 | 2270.2 | 2029.5 | 1785.3 | 1578.5 |
| 47.5°  | 2192.2 | 2307.5 | 2407.5 | 2509.3 | 2495.7 | 2407.5 | 2232.9 | 2005.7 | 1751.4 | 1520.8 | 1354.7 |
| 50°    | 1988.8 | 2124.4 | 2236.3 | 2332.9 | 2304.1 | 2182.0 | 1976.9 | 1739.5 | 1486.9 | 1290.2 | 1152.9 |
| 52.5°  | 1771.7 | 1927.7 | 2039.6 | 2117.6 | 2078.6 | 1932.8 | 1707.3 | 1480.1 | 1273.3 | 1093.6 | 1002.0 |
| 55°    | 1546.2 | 1703.9 | 1819.2 | 1880.3 | 1829.4 | 1671.7 | 1449.6 | 1242.8 | 1047.8 | 930.8  | 876.5  |
| 57.5°  | 1327.5 | 1475.0 | 1583.5 | 1632.7 | 1568.3 | 1410.6 | 1205.5 | 1030.8 | 890.1  | 791.8  | 764.6  |
| 60°    | 1117.3 | 1237.7 | 1341.1 | 1378.4 | 1308.9 | 1163.1 | 986.8  | 847.7  | 744.3  | 676.5  | 662.9  |
| 62.5°  | 922.3  | 1020.7 | 1102.0 | 1130.9 | 1063.0 | 949.5  | 796.9  | 693.4  | 620.5  | 586.6  | 569.7  |
| 65°    | 761.3  | 818.9  | 902.0  | 896.9  | 856.2  | 751.1  | 639.2  | 566.3  | 518.8  | 496.8  | 486.6  |
| 67.5°  | 598.5  | 651.1  | 703.6  | 710.4  | 659.5  | 586.6  | 513.7  | 461.2  | 435.7  | 423.9  | 418.8  |
| 70°    | 462.9  | 501.9  | 534.1  | 525.6  | 498.5  | 452.7  | 406.9  | 378.1  | 367.9  | 362.8  | 362.8  |
| 72.5°  | 359.4  | 379.8  | 395.0  | 384.9  | 367.9  | 344.2  | 322.1  | 310.3  | 312.0  | 315.4  | 318.7  |
| 75°    | 278.1  | 283.1  | 286.5  | 276.4  | 273.0  | 257.7  | 256.0  | 257.7  | 267.9  | 278.1  | 283.1  |
| 77.5°  | 213.6  | 206.8  | 201.8  | 191.6  | 193.3  | 191.6  | 200.1  | 213.6  | 228.9  | 244.1  | 257.7  |
| 80°    | 164.5  | 149.2  | 137.3  | 127.2  | 132.2  | 140.7  | 157.7  | 178.0  | 198.4  | 215.3  | 232.3  |
| 82.5°  | 127.2  | 105.1  | 88.2   | 78.0   | 88.2   | 101.7  | 123.8  | 149.2  | 172.9  | 191.6  | 210.2  |
| 85°    | 98.3   | 72.9   | 52.6   | 42.4   | 52.6   | 72.9   | 96.6   | 125.5  | 150.9  | 171.2  | 189.9  |
| 87.5°  | 76.3   | 52.6   | 28.8   | 17.0   | 28.8   | 50.9   | 78.0   | 105.1  | 130.5  | 154.3  | 172.9  |
| 90°    | 61.0   | 35.6   | 13.6   | 3.4    | 15.3   | 35.6   | 61.0   | 88.2   | 113.6  | 139.0  | 157.7  |
| 92.5°  | 49.2   | 25.4   | 6.8    | 0.0    | 8.5    | 27.1   | 50.9   | 76.3   | 101.7  | 125.5  | 144.1  |
| 95°    | 40.7   | 20.3   | 5.1    | 0.0    | 6.8    | 20.3   | 40.7   | 66.1   | 89.9   | 113.6  | 128.9  |
| 97.5°  | 33.9   | 15.3   | 3.4    | 0.0    | 3.4    | 17.0   | 33.9   | 55.9   | 79.7   | 101.7  | 117.0  |
| 100°   | 28.8   | 13.6   | 3.4    | 0.0    | 3.4    | 13.6   | 28.8   | 49.2   | 69.5   | 89.9   | 105.1  |
| 102.5° | 23.7   | 10.2   | 1.7    | 1.7    | 1.7    | 10.2   | 25.4   | 42.4   | 61.0   | 79.7   | 94.9   |
| 105°   | 22.0   | 8.5    | 1.7    | 1.7    | 1.7    | 8.5    | 22.0   | 37.3   | 54.3   | 71.2   | 84.8   |
| 107.5° | 18.6   | 6.8    | 1.7    | 1.7    | 1.7    | 6.8    | 18.6   | 32.2   | 49.2   | 64.4   | 76.3   |
| 110°   | 15.3   | 6.8    | 1.7    | 1.7    | 1.7    | 6.8    | 15.3   | 28.8   | 42.4   | 55.9   | 67.8   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 13.6 | 5.1  | 1.7  | 1.7  | 1.7  | 5.1  | 13.6 | 25.4 | 37.3 | 50.9 | 61.0 |
| 115°   | 11.9 | 5.1  | 1.7  | 1.7  | 1.7  | 5.1  | 11.9 | 22.0 | 32.2 | 44.1 | 54.3 |
| 117.5° | 10.2 | 5.1  | 1.7  | 1.7  | 1.7  | 3.4  | 10.2 | 18.6 | 28.8 | 39.0 | 49.2 |
| 120°   | 8.5  | 3.4  | 1.7  | 1.7  | 1.7  | 3.4  | 8.5  | 17.0 | 25.4 | 33.9 | 42.4 |
| 122.5° | 8.5  | 3.4  | 1.7  | 1.7  | 1.7  | 3.4  | 6.8  | 13.6 | 22.0 | 28.8 | 37.3 |
| 125°   | 6.8  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 6.8  | 11.9 | 18.6 | 25.4 | 32.2 |
| 127.5° | 6.8  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 5.1  | 10.2 | 15.3 | 22.0 | 28.8 |
| 130°   | 5.1  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 3.4  | 8.5  | 13.6 | 18.6 | 23.7 |
| 132.5° | 5.1  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 3.4  | 6.8  | 10.2 | 15.3 | 20.3 |
| 135°   | 5.1  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 5.1  | 8.5  | 11.9 | 15.3 |
| 137.5° | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 3.4  | 6.8  | 8.5  | 13.6 |
| 140°   | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 3.4  | 5.1  | 6.8  | 10.2 |
| 142.5° | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 3.4  | 5.1  | 8.5  |
| 145°   | 3.4  | 1.7  | 1.7  | 3.4  | 3.4  | 1.7  | 1.7  | 3.4  | 3.4  | 5.1  | 6.8  |
| 147.5° | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 3.4  | 3.4  | 5.1  |
| 150°   | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 5.1  |
| 152.5° | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  |
| 155°   | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5°   | 3299.3 | 3260.3 | 3280.7 | 3273.9 | 3280.7 | 3297.6 | 3296.0 | 3290.9 | 3294.3 | 3285.8 | 3277.3 |
| 5°     | 3292.6 | 3253.6 | 3273.9 | 3265.4 | 3273.9 | 3290.9 | 3287.5 | 3282.4 | 3287.5 | 3277.3 | 3268.8 |
| 7.5°   | 3284.1 | 3248.5 | 3272.2 | 3270.5 | 3285.8 | 3307.8 | 3309.5 | 3309.5 | 3321.4 | 3306.1 | 3299.3 |
| 10°    | 3284.1 | 3265.4 | 3297.6 | 3309.5 | 3348.5 | 3377.3 | 3380.7 | 3387.5 | 3407.9 | 3404.5 | 3387.5 |
| 12.5°  | 3319.7 | 3316.3 | 3363.8 | 3392.6 | 3428.2 | 3468.9 | 3490.9 | 3497.7 | 3511.3 | 3501.1 | 3494.3 |
| 15°    | 3365.5 | 3382.4 | 3435.0 | 3467.2 | 3506.2 | 3536.7 | 3541.8 | 3545.2 | 3555.4 | 3540.1 | 3528.2 |
| 17.5°  | 3426.5 | 3436.7 | 3479.1 | 3492.6 | 3518.1 | 3523.1 | 3516.4 | 3499.4 | 3499.4 | 3465.5 | 3455.3 |
| 20°    | 3455.3 | 3450.2 | 3467.2 | 3445.2 | 3435.0 | 3404.5 | 3375.6 | 3343.4 | 3341.7 | 3306.1 | 3302.7 |
| 22.5°  | 3429.9 | 3396.0 | 3360.4 | 3306.1 | 3282.4 | 3238.3 | 3199.3 | 3180.7 | 3168.8 | 3123.0 | 3111.1 |
| 25°    | 3340.0 | 3257.0 | 3204.4 | 3140.0 | 3082.3 | 3031.5 | 2994.2 | 2955.2 | 2917.9 | 2880.6 | 2863.6 |
| 27.5°  | 3184.1 | 3106.1 | 3021.3 | 2931.4 | 2851.7 | 2773.8 | 2711.0 | 2672.0 | 2636.4 | 2587.3 | 2561.8 |
| 30°    | 2992.5 | 2884.0 | 2790.7 | 2704.2 | 2573.7 | 2478.7 | 2426.2 | 2348.2 | 2321.1 | 2299.0 | 2251.6 |
| 32.5°  | 2767.0 | 2636.4 | 2509.3 | 2392.3 | 2258.3 | 2170.2 | 2100.7 | 2043.0 | 2026.1 | 1968.4 | 1954.9 |
| 35°    | 2517.7 | 2346.5 | 2202.4 | 2087.1 | 1990.5 | 1883.6 | 1826.0 | 1787.0 | 1753.1 | 1714.1 | 1707.3 |
| 37.5°  | 2224.4 | 2070.1 | 1907.4 | 1805.7 | 1729.4 | 1637.8 | 1593.7 | 1566.6 | 1551.3 | 1522.5 | 1517.4 |
| 40°    | 1929.4 | 1775.1 | 1663.2 | 1561.5 | 1514.0 | 1464.9 | 1432.7 | 1420.8 | 1414.0 | 1403.8 | 1393.7 |
| 42.5°  | 1661.5 | 1525.9 | 1446.2 | 1378.4 | 1358.1 | 1334.3 | 1325.8 | 1332.6 | 1325.8 | 1322.5 | 1320.8 |
| 45°    | 1434.3 | 1330.9 | 1275.0 | 1254.6 | 1249.5 | 1242.8 | 1249.5 | 1261.4 | 1263.1 | 1259.7 | 1259.7 |
| 47.5°  | 1227.5 | 1178.3 | 1154.6 | 1158.0 | 1166.5 | 1171.6 | 1183.4 | 1198.7 | 1202.1 | 1193.6 | 1197.0 |
| 50°    | 1091.9 | 1063.0 | 1058.0 | 1071.5 | 1090.2 | 1097.0 | 1110.5 | 1122.4 | 1120.7 | 1117.3 | 1113.9 |
| 52.5°  | 964.7  | 956.2  | 969.8  | 983.4  | 1003.7 | 1007.1 | 1012.2 | 1017.3 | 1015.6 | 1008.8 | 1005.4 |
| 55°    | 857.9  | 864.7  | 876.5  | 881.6  | 896.9  | 895.2  | 896.9  | 896.9  | 890.1  | 886.7  | 881.6  |
| 57.5°  | 761.3  | 763.0  | 769.7  | 771.4  | 779.9  | 776.5  | 774.8  | 771.4  | 761.3  | 759.6  | 754.5  |
| 60°    | 662.9  | 659.5  | 674.8  | 662.9  | 669.7  | 662.9  | 661.2  | 652.7  | 642.6  | 640.9  | 637.5  |
| 62.5°  | 569.7  | 562.9  | 573.1  | 568.0  | 571.4  | 564.6  | 561.2  | 551.0  | 542.5  | 540.8  | 539.2  |
| 65°    | 486.6  | 483.2  | 493.4  | 491.7  | 495.1  | 486.6  | 483.2  | 476.4  | 469.6  | 467.9  | 466.2  |
| 67.5°  | 417.1  | 425.6  | 430.6  | 430.6  | 434.0  | 432.3  | 423.9  | 422.2  | 420.5  | 413.7  | 413.7  |
| 70°    | 366.2  | 371.3  | 381.5  | 383.2  | 381.5  | 384.9  | 378.1  | 376.4  | 374.7  | 371.3  | 369.6  |
| 72.5°  | 325.5  | 332.3  | 342.5  | 344.2  | 342.5  | 342.5  | 339.1  | 337.4  | 337.4  | 332.3  | 332.3  |
| 75°    | 293.3  | 301.8  | 310.3  | 310.3  | 310.3  | 306.9  | 303.5  | 303.5  | 300.1  | 298.4  | 295.0  |
| 77.5°  | 266.2  | 276.4  | 283.1  | 281.4  | 279.7  | 276.4  | 276.4  | 271.3  | 266.2  | 266.2  | 262.8  |
| 80°    | 245.8  | 252.6  | 257.7  | 256.0  | 254.3  | 249.2  | 247.5  | 242.4  | 239.1  | 234.0  | 234.0  |
| 82.5°  | 223.8  | 232.3  | 235.7  | 234.0  | 230.6  | 225.5  | 223.8  | 220.4  | 217.0  | 215.3  | 211.9  |
| 85°    | 205.1  | 213.6  | 215.3  | 211.9  | 208.5  | 205.1  | 203.5  | 201.8  | 200.1  | 196.7  | 196.7  |
| 87.5°  | 186.5  | 195.0  | 195.0  | 193.3  | 189.9  | 188.2  | 186.5  | 184.8  | 183.1  | 181.4  | 179.7  |
| 90°    | 171.2  | 178.0  | 178.0  | 176.3  | 174.6  | 172.9  | 171.2  | 169.5  | 167.8  | 166.2  | 166.2  |
| 92.5°  | 156.0  | 162.8  | 162.8  | 161.1  | 159.4  | 157.7  | 157.7  | 156.0  | 154.3  | 152.6  | 150.9  |
| 95°    | 142.4  | 149.2  | 149.2  | 149.2  | 147.5  | 145.8  | 145.8  | 144.1  | 142.4  | 142.4  | 140.7  |
| 97.5°  | 128.9  | 135.6  | 135.6  | 135.6  | 133.9  | 132.2  | 132.2  | 130.5  | 130.5  | 130.5  | 128.9  |
| 100°   | 117.0  | 122.1  | 123.8  | 123.8  | 122.1  | 122.1  | 122.1  | 120.4  | 120.4  | 120.4  | 118.7  |
| 102.5° | 105.1  | 110.2  | 113.6  | 113.6  | 113.6  | 111.9  | 111.9  | 111.9  | 111.9  | 111.9  | 110.2  |
| 105°   | 94.9   | 100.0  | 103.4  | 105.1  | 105.1  | 105.1  | 105.1  | 105.1  | 105.1  | 105.1  | 105.1  |
| 107.5° | 86.5   | 91.6   | 94.9   | 96.6   | 98.3   | 98.3   | 100.0  | 100.0  | 100.0  | 100.0  | 100.0  |
| 110°   | 78.0   | 83.1   | 88.2   | 89.9   | 91.6   | 93.2   | 93.2   | 94.9   | 93.2   | 93.2   | 93.2   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 69.5 | 76.3 | 79.7 | 83.1 | 84.8 | 86.5 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 115°   | 62.7 | 69.5 | 72.9 | 76.3 | 79.7 | 81.4 | 81.4 | 83.1 | 83.1 | 83.1 | 81.4 |
| 117.5° | 55.9 | 62.7 | 66.1 | 69.5 | 71.2 | 74.6 | 76.3 | 76.3 | 76.3 | 76.3 | 74.6 |
| 120°   | 50.9 | 55.9 | 59.3 | 62.7 | 66.1 | 67.8 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 122.5° | 44.1 | 49.2 | 54.3 | 57.6 | 59.3 | 61.0 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 125°   | 39.0 | 44.1 | 47.5 | 50.9 | 52.6 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 127.5° | 33.9 | 39.0 | 42.4 | 45.8 | 47.5 | 49.2 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| 130°   | 28.8 | 33.9 | 37.3 | 40.7 | 42.4 | 44.1 | 44.1 | 45.8 | 45.8 | 45.8 | 45.8 |
| 132.5° | 25.4 | 28.8 | 32.2 | 35.6 | 37.3 | 39.0 | 39.0 | 40.7 | 40.7 | 40.7 | 40.7 |
| 135°   | 20.3 | 25.4 | 27.1 | 30.5 | 32.2 | 33.9 | 33.9 | 35.6 | 35.6 | 35.6 | 35.6 |
| 137.5° | 17.0 | 20.3 | 23.7 | 27.1 | 28.8 | 28.8 | 30.5 | 30.5 | 32.2 | 32.2 | 32.2 |
| 140°   | 13.6 | 15.3 | 20.3 | 22.0 | 23.7 | 25.4 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 |
| 142.5° | 10.2 | 13.6 | 15.3 | 18.6 | 20.3 | 22.0 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 145°   | 8.5  | 10.2 | 11.9 | 15.3 | 17.0 | 18.6 | 20.3 | 20.3 | 20.3 | 20.3 | 20.3 |
| 147.5° | 6.8  | 8.5  | 10.2 | 11.9 | 13.6 | 15.3 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 150°   | 5.1  | 6.8  | 8.5  | 8.5  | 10.2 | 11.9 | 13.6 | 15.3 | 15.3 | 15.3 | 15.3 |
| 152.5° | 5.1  | 5.1  | 6.8  | 6.8  | 8.5  | 10.2 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 155°   | 3.4  | 5.1  | 5.1  | 5.1  | 6.8  | 6.8  | 8.5  | 10.2 | 10.2 | 10.2 | 10.2 |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5°   | 3282.4 | 3289.2 | 3285.8 | 3280.7 | 3279.0 | 3287.5 | 3279.0 | 3240.0 | 3255.3 | 3257.0 | 3268.8 |
| 5°     | 3277.3 | 3282.4 | 3279.0 | 3275.6 | 3270.5 | 3280.7 | 3270.5 | 3229.8 | 3245.1 | 3246.8 | 3258.7 |
| 7.5°   | 3311.2 | 3312.9 | 3312.9 | 3304.4 | 3290.9 | 3296.0 | 3282.4 | 3236.6 | 3245.1 | 3245.1 | 3253.6 |
| 10°    | 3396.0 | 3399.4 | 3404.5 | 3382.4 | 3365.5 | 3351.9 | 3333.3 | 3277.3 | 3275.6 | 3262.0 | 3262.0 |
| 12.5°  | 3506.2 | 3497.7 | 3489.2 | 3479.1 | 3465.5 | 3448.5 | 3421.4 | 3355.3 | 3333.3 | 3311.2 | 3289.2 |
| 15°    | 3538.4 | 3535.0 | 3533.3 | 3528.2 | 3519.8 | 3514.7 | 3494.3 | 3428.2 | 3396.0 | 3368.9 | 3329.9 |
| 17.5°  | 3453.6 | 3460.4 | 3482.5 | 3484.1 | 3494.3 | 3514.7 | 3511.3 | 3465.5 | 3436.7 | 3424.8 | 3377.3 |
| 20°    | 3301.0 | 3302.7 | 3329.9 | 3341.7 | 3385.8 | 3419.7 | 3445.2 | 3440.1 | 3433.3 | 3446.8 | 3411.2 |
| 22.5°  | 3117.9 | 3129.8 | 3158.6 | 3177.3 | 3219.7 | 3258.7 | 3299.3 | 3321.4 | 3357.0 | 3412.9 | 3406.2 |
| 25°    | 2868.7 | 2884.0 | 2924.6 | 2955.2 | 3014.5 | 3073.8 | 3128.1 | 3167.1 | 3209.5 | 3316.3 | 3351.9 |
| 27.5°  | 2570.3 | 2594.0 | 2646.6 | 2677.1 | 2760.2 | 2821.2 | 2899.2 | 2975.5 | 3034.9 | 3156.9 | 3229.8 |
| 30°    | 2256.6 | 2277.0 | 2332.9 | 2375.3 | 2446.5 | 2529.6 | 2627.9 | 2736.5 | 2834.8 | 2958.6 | 3050.1 |
| 32.5°  | 1963.3 | 1985.4 | 2031.1 | 2068.4 | 2148.1 | 2217.6 | 2326.2 | 2460.1 | 2551.7 | 2722.9 | 2845.0 |
| 35°    | 1707.3 | 1727.7 | 1759.9 | 1792.1 | 1858.2 | 1929.4 | 2022.7 | 2153.2 | 2270.2 | 2448.2 | 2602.5 |
| 37.5°  | 1527.6 | 1531.0 | 1549.6 | 1568.3 | 1617.5 | 1671.7 | 1744.6 | 1859.9 | 1968.4 | 2160.0 | 2329.5 |
| 40°    | 1398.7 | 1398.7 | 1408.9 | 1414.0 | 1436.0 | 1468.3 | 1514.0 | 1603.9 | 1693.8 | 1839.6 | 2046.4 |
| 42.5°  | 1319.1 | 1315.7 | 1315.7 | 1317.4 | 1315.7 | 1330.9 | 1358.1 | 1400.4 | 1480.1 | 1600.5 | 1761.6 |
| 45°    | 1259.7 | 1252.9 | 1247.9 | 1236.0 | 1229.2 | 1229.2 | 1230.9 | 1246.2 | 1291.9 | 1369.9 | 1500.5 |
| 47.5°  | 1193.6 | 1191.9 | 1183.4 | 1169.9 | 1158.0 | 1149.5 | 1136.0 | 1130.9 | 1144.4 | 1188.5 | 1276.7 |
| 50°    | 1117.3 | 1108.8 | 1100.3 | 1090.2 | 1076.6 | 1068.1 | 1042.7 | 1044.4 | 1032.5 | 1052.9 | 1098.7 |
| 52.5°  | 1005.4 | 998.6  | 995.2  | 986.8  | 981.7  | 978.3  | 957.9  | 937.6  | 932.5  | 935.9  | 952.8  |
| 55°    | 881.6  | 885.0  | 871.5  | 878.2  | 876.5  | 861.3  | 852.8  | 837.6  | 832.5  | 830.8  | 839.2  |
| 57.5°  | 752.8  | 756.2  | 747.7  | 754.5  | 754.5  | 746.0  | 740.9  | 740.9  | 729.0  | 718.9  | 730.7  |
| 60°    | 635.8  | 629.0  | 634.1  | 642.6  | 642.6  | 637.5  | 634.1  | 634.1  | 625.6  | 622.2  | 630.7  |
| 62.5°  | 540.8  | 534.1  | 539.2  | 547.6  | 549.3  | 545.9  | 542.5  | 542.5  | 532.4  | 532.4  | 539.2  |
| 65°    | 467.9  | 469.6  | 467.9  | 474.7  | 474.7  | 476.4  | 473.0  | 469.6  | 457.8  | 462.9  | 461.2  |
| 67.5°  | 415.4  | 413.7  | 413.7  | 420.5  | 418.8  | 422.2  | 418.8  | 413.7  | 405.2  | 398.4  | 396.7  |
| 70°    | 371.3  | 369.6  | 369.6  | 373.0  | 374.7  | 374.7  | 373.0  | 369.6  | 357.7  | 351.0  | 345.9  |
| 72.5°  | 332.3  | 330.6  | 332.3  | 334.0  | 335.7  | 337.4  | 335.7  | 332.3  | 322.1  | 313.7  | 305.2  |
| 75°    | 296.7  | 295.0  | 300.1  | 300.1  | 301.8  | 301.8  | 303.5  | 301.8  | 293.3  | 283.1  | 273.0  |
| 77.5°  | 261.1  | 262.8  | 267.9  | 269.6  | 273.0  | 274.7  | 276.4  | 276.4  | 267.9  | 259.4  | 245.8  |
| 80°    | 232.3  | 235.7  | 239.1  | 240.8  | 244.1  | 249.2  | 250.9  | 252.6  | 245.8  | 237.4  | 222.1  |
| 82.5°  | 211.9  | 213.6  | 217.0  | 218.7  | 223.8  | 225.5  | 227.2  | 230.6  | 227.2  | 218.7  | 201.8  |
| 85°    | 195.0  | 196.7  | 200.1  | 200.1  | 203.5  | 206.8  | 208.5  | 210.2  | 208.5  | 200.1  | 183.1  |
| 87.5°  | 179.7  | 181.4  | 183.1  | 184.8  | 186.5  | 188.2  | 189.9  | 191.6  | 189.9  | 181.4  | 166.2  |
| 90°    | 166.2  | 166.2  | 167.8  | 167.8  | 169.5  | 171.2  | 174.6  | 174.6  | 172.9  | 166.2  | 150.9  |
| 92.5°  | 150.9  | 152.6  | 152.6  | 154.3  | 156.0  | 157.7  | 159.4  | 159.4  | 157.7  | 150.9  | 137.3  |
| 95°    | 140.7  | 140.7  | 142.4  | 142.4  | 144.1  | 144.1  | 145.8  | 145.8  | 144.1  | 137.3  | 123.8  |
| 97.5°  | 128.9  | 128.9  | 128.9  | 128.9  | 130.5  | 130.5  | 132.2  | 132.2  | 130.5  | 123.8  | 111.9  |
| 100°   | 118.7  | 118.7  | 118.7  | 118.7  | 118.7  | 120.4  | 120.4  | 120.4  | 118.7  | 111.9  | 100.0  |
| 102.5° | 110.2  | 110.2  | 110.2  | 110.2  | 110.2  | 110.2  | 110.2  | 110.2  | 106.8  | 101.7  | 89.9   |
| 105°   | 105.1  | 105.1  | 105.1  | 103.4  | 103.4  | 103.4  | 101.7  | 101.7  | 96.6   | 91.6   | 81.4   |
| 107.5° | 98.3   | 98.3   | 98.3   | 96.6   | 96.6   | 94.9   | 93.2   | 93.2   | 88.2   | 83.1   | 72.9   |
| 110°   | 93.2   | 93.2   | 93.2   | 91.6   | 89.9   | 88.2   | 86.5   | 84.8   | 79.7   | 72.9   | 64.4   |





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 88.2 | 88.2 | 86.5 | 86.5 | 84.8 | 83.1 | 79.7 | 78.0 | 72.9 | 66.1 | 57.6 |
| 115°   | 81.4 | 81.4 | 81.4 | 79.7 | 78.0 | 76.3 | 74.6 | 71.2 | 66.1 | 59.3 | 50.9 |
| 117.5° | 74.6 | 74.6 | 74.6 | 72.9 | 71.2 | 69.5 | 67.8 | 64.4 | 59.3 | 52.6 | 45.8 |
| 120°   | 67.8 | 67.8 | 67.8 | 66.1 | 64.4 | 62.7 | 61.0 | 57.6 | 52.6 | 47.5 | 39.0 |
| 122.5° | 62.7 | 62.7 | 61.0 | 59.3 | 57.6 | 55.9 | 54.3 | 50.9 | 47.5 | 40.7 | 33.9 |
| 125°   | 55.9 | 55.9 | 54.3 | 54.3 | 52.6 | 50.9 | 49.2 | 45.8 | 40.7 | 35.6 | 30.5 |
| 127.5° | 50.9 | 49.2 | 49.2 | 49.2 | 47.5 | 45.8 | 42.4 | 40.7 | 35.6 | 30.5 | 25.4 |
| 130°   | 44.1 | 44.1 | 44.1 | 42.4 | 42.4 | 40.7 | 37.3 | 33.9 | 30.5 | 27.1 | 22.0 |
| 132.5° | 39.0 | 39.0 | 39.0 | 39.0 | 37.3 | 35.6 | 32.2 | 30.5 | 27.1 | 22.0 | 18.6 |
| 135°   | 35.6 | 35.6 | 33.9 | 33.9 | 32.2 | 30.5 | 28.8 | 25.4 | 22.0 | 18.6 | 15.3 |
| 137.5° | 30.5 | 30.5 | 30.5 | 28.8 | 28.8 | 27.1 | 23.7 | 22.0 | 20.3 | 17.0 | 13.6 |
| 140°   | 27.1 | 27.1 | 25.4 | 25.4 | 23.7 | 23.7 | 22.0 | 18.6 | 17.0 | 13.6 | 11.9 |
| 142.5° | 23.7 | 23.7 | 22.0 | 22.0 | 20.3 | 20.3 | 18.6 | 17.0 | 13.6 | 11.9 | 8.5  |
| 145°   | 20.3 | 20.3 | 18.6 | 18.6 | 18.6 | 17.0 | 15.3 | 13.6 | 11.9 | 10.2 | 8.5  |
| 147.5° | 17.0 | 17.0 | 17.0 | 15.3 | 15.3 | 13.6 | 13.6 | 11.9 | 10.2 | 8.5  | 6.8  |
| 150°   | 15.3 | 15.3 | 13.6 | 13.6 | 13.6 | 11.9 | 10.2 | 10.2 | 8.5  | 6.8  | 5.1  |
| 152.5° | 11.9 | 11.9 | 11.9 | 11.9 | 10.2 | 10.2 | 8.5  | 8.5  | 6.8  | 5.1  | 5.1  |
| 155°   | 10.2 | 10.2 | 10.2 | 8.5  | 8.5  | 8.5  | 6.8  | 6.8  | 5.1  | 5.1  | 3.4  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5°   | 3263.7 | 3262.0 | 3277.3 | 3275.6 | 3255.3 | 3285.8 | 3306.1 |
| 5°     | 3255.3 | 3253.6 | 3267.1 | 3270.5 | 3248.5 | 3280.7 | 3302.7 |
| 7.5°   | 3248.5 | 3246.8 | 3262.0 | 3267.1 | 3245.1 | 3273.9 | 3297.6 |
| 10°    | 3250.2 | 3241.7 | 3255.3 | 3258.7 | 3238.3 | 3268.8 | 3289.2 |
| 12.5°  | 3262.0 | 3241.7 | 3246.8 | 3246.8 | 3228.1 | 3255.3 | 3277.3 |
| 15°    | 3290.9 | 3248.5 | 3241.7 | 3236.6 | 3212.9 | 3238.3 | 3260.3 |
| 17.5°  | 3323.1 | 3265.4 | 3241.7 | 3224.7 | 3195.9 | 3218.0 | 3241.7 |
| 20°    | 3355.3 | 3284.1 | 3245.1 | 3218.0 | 3179.0 | 3199.3 | 3216.3 |
| 22.5°  | 3370.6 | 3301.0 | 3248.5 | 3207.8 | 3158.6 | 3168.8 | 3187.4 |
| 25°    | 3350.2 | 3294.3 | 3241.7 | 3192.5 | 3133.2 | 3134.9 | 3150.1 |
| 27.5°  | 3275.6 | 3260.3 | 3226.4 | 3177.3 | 3112.8 | 3104.4 | 3116.2 |
| 30°    | 3148.4 | 3190.8 | 3192.5 | 3156.9 | 3089.1 | 3072.2 | 3077.2 |
| 32.5°  | 2970.4 | 3065.4 | 3121.3 | 3114.5 | 3055.2 | 3031.5 | 3034.9 |
| 35°    | 2765.3 | 2884.0 | 3006.0 | 3046.7 | 3004.3 | 2985.7 | 2978.9 |
| 37.5°  | 2519.4 | 2678.8 | 2841.6 | 2941.6 | 2934.8 | 2923.0 | 2916.2 |
| 40°    | 2248.2 | 2439.8 | 2633.0 | 2792.4 | 2841.6 | 2841.6 | 2845.0 |
| 42.5°  | 1958.2 | 2182.0 | 2394.0 | 2595.7 | 2711.0 | 2736.5 | 2746.6 |
| 45°    | 1678.5 | 1904.0 | 2134.6 | 2366.8 | 2521.1 | 2600.8 | 2629.6 |
| 47.5°  | 1424.2 | 1651.4 | 1870.1 | 2124.4 | 2329.5 | 2433.0 | 2478.7 |
| 50°    | 1207.2 | 1376.7 | 1607.3 | 1859.9 | 2083.7 | 2210.9 | 2300.7 |
| 52.5°  | 1027.4 | 1159.7 | 1361.4 | 1597.1 | 1822.6 | 1997.2 | 2080.3 |
| 55°    | 876.5  | 966.4  | 1137.6 | 1341.1 | 1556.4 | 1737.8 | 1834.5 |
| 57.5°  | 749.4  | 820.6  | 937.6  | 1107.1 | 1288.5 | 1468.3 | 1571.7 |
| 60°    | 637.5  | 686.7  | 766.3  | 900.3  | 1054.6 | 1208.9 | 1308.9 |
| 62.5°  | 540.8  | 573.1  | 625.6  | 724.0  | 844.3  | 964.7  | 1058.0 |
| 65°    | 466.2  | 479.8  | 508.6  | 569.7  | 661.2  | 752.8  | 832.5  |
| 67.5°  | 393.3  | 401.8  | 423.9  | 461.2  | 506.9  | 573.1  | 625.6  |
| 70°    | 339.1  | 339.1  | 340.8  | 362.8  | 386.6  | 428.9  | 466.2  |
| 72.5°  | 295.0  | 289.9  | 279.7  | 284.8  | 289.9  | 313.7  | 337.4  |
| 75°    | 259.4  | 247.5  | 230.6  | 223.8  | 220.4  | 223.8  | 237.4  |
| 77.5°  | 228.9  | 211.9  | 191.6  | 174.6  | 161.1  | 156.0  | 167.8  |
| 80°    | 203.5  | 183.1  | 159.4  | 137.3  | 115.3  | 103.4  | 108.5  |
| 82.5°  | 183.1  | 157.7  | 132.2  | 106.8  | 81.4   | 64.4   | 64.4   |
| 85°    | 161.1  | 137.3  | 110.2  | 83.1   | 57.6   | 35.6   | 32.2   |
| 87.5°  | 145.8  | 120.4  | 91.6   | 66.1   | 40.7   | 18.6   | 10.2   |
| 90°    | 130.5  | 105.1  | 78.0   | 52.6   | 28.8   | 8.5    | 0.0    |
| 92.5°  | 117.0  | 93.2   | 67.8   | 42.4   | 20.3   | 5.1    | 0.0    |
| 95°    | 105.1  | 83.1   | 57.6   | 35.6   | 17.0   | 3.4    | 1.7    |
| 97.5°  | 93.2   | 72.9   | 50.9   | 28.8   | 11.9   | 3.4    | 1.7    |
| 100°   | 84.8   | 64.4   | 44.1   | 23.7   | 10.2   | 1.7    | 1.7    |
| 102.5° | 74.6   | 57.6   | 37.3   | 20.3   | 8.5    | 1.7    | 1.7    |
| 105°   | 66.1   | 50.9   | 32.2   | 17.0   | 6.8    | 1.7    | 1.7    |
| 107.5° | 59.3   | 44.1   | 28.8   | 15.3   | 6.8    | 1.7    | 1.7    |
| 110°   | 52.6   | 39.0   | 25.4   | 13.6   | 5.1    | 1.7    | 1.7    |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-83SL-LC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 47.5 | 33.9 | 22.0 | 11.9 | 3.4  | 1.7  | 1.7  |
| 115°   | 40.7 | 30.5 | 18.6 | 10.2 | 3.4  | 1.7  | 1.7  |
| 117.5° | 35.6 | 25.4 | 17.0 | 8.5  | 3.4  | 1.7  | 1.7  |
| 120°   | 30.5 | 22.0 | 13.6 | 6.8  | 1.7  | 1.7  | 1.7  |
| 122.5° | 27.1 | 18.6 | 11.9 | 6.8  | 1.7  | 1.7  | 1.7  |
| 125°   | 23.7 | 17.0 | 10.2 | 5.1  | 1.7  | 1.7  | 1.7  |
| 127.5° | 20.3 | 13.6 | 8.5  | 3.4  | 1.7  | 1.7  | 1.7  |
| 130°   | 17.0 | 11.9 | 6.8  | 3.4  | 1.7  | 1.7  | 1.7  |
| 132.5° | 13.6 | 10.2 | 6.8  | 3.4  | 1.7  | 1.7  | 1.7  |
| 135°   | 11.9 | 8.5  | 5.1  | 3.4  | 1.7  | 1.7  | 1.7  |
| 137.5° | 10.2 | 6.8  | 3.4  | 3.4  | 3.4  | 1.7  | 1.7  |
| 140°   | 8.5  | 5.1  | 3.4  | 3.4  | 3.4  | 3.4  | 1.7  |
| 142.5° | 6.8  | 5.1  | 3.4  | 3.4  | 3.4  | 3.4  | 1.7  |
| 145°   | 5.1  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 1.7  |
| 147.5° | 5.1  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 1.7  |
| 150°   | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  |
| 152.5° | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  |
| 155°   | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  | 3.4  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 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)