

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-LD5-170HL-LW-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 (P33520)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WIDE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

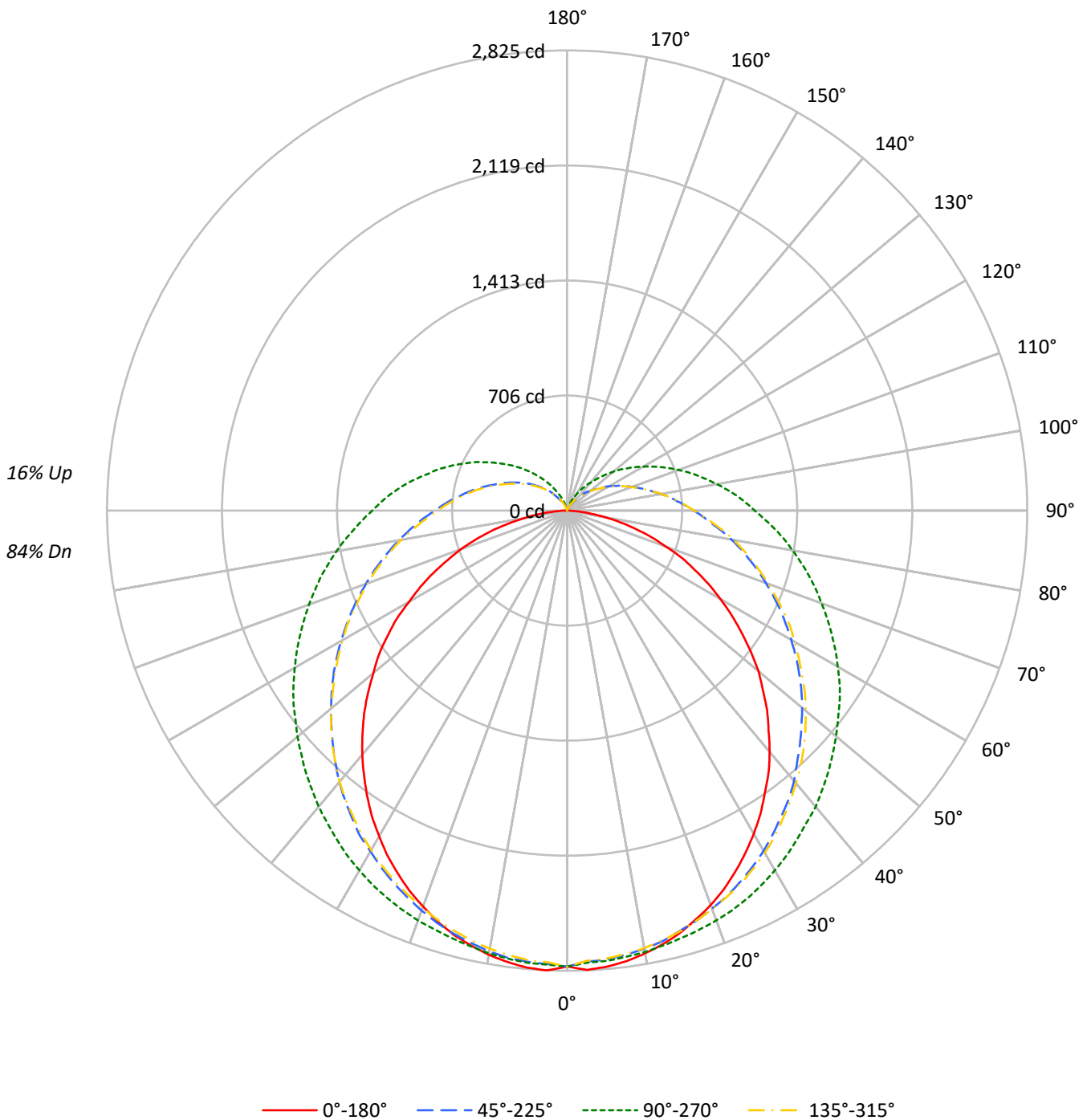
Lumens per Lamp: N/A  
Luminaire Lumens: 12159.0 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 124  
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-LD5-170HL-LW-UNV-L950-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-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   | 115 | 115 | 115 | 115 | 111 | 111 | 111 | 111 | 102 | 102 | 102 | 94 | 94 | 94 | 87 | 87 | 87 | 84 |    |    |    |   |
| 1   | 102 | 96  | 91  | 86  | 98  | 92  | 87  | 83  | 85  | 81  | 77  | 78 | 75 | 72 | 72 | 70 | 67 | 64 |    |    |    |   |
| 2   | 92  | 82  | 74  | 68  | 87  | 79  | 72  | 66  | 73  | 67  | 62  | 67 | 62 | 58 | 62 | 58 | 54 | 51 |    |    |    |   |
| 3   | 83  | 71  | 62  | 55  | 79  | 69  | 60  | 54  | 63  | 56  | 51  | 58 | 52 | 48 | 54 | 49 | 45 | 42 |    |    |    |   |
| 4   | 76  | 63  | 53  | 46  | 72  | 60  | 52  | 45  | 56  | 48  | 42  | 51 | 45 | 40 | 47 | 42 | 38 | 35 |    |    |    |   |
| 5   | 69  | 56  | 46  | 39  | 66  | 54  | 45  | 38  | 50  | 42  | 36  | 46 | 39 | 34 | 42 | 37 | 33 | 30 |    |    |    |   |
| 6   | 64  | 50  | 41  | 34  | 61  | 48  | 39  | 33  | 45  | 37  | 31  | 41 | 35 | 30 | 38 | 33 | 28 | 26 |    |    |    |   |
| 7   | 59  | 45  | 36  | 30  | 56  | 43  | 35  | 29  | 40  | 33  | 28  | 38 | 31 | 26 | 35 | 29 | 25 | 23 |    |    |    |   |
| 8   | 55  | 41  | 32  | 26  | 52  | 40  | 31  | 26  | 37  | 30  | 24  | 34 | 28 | 23 | 32 | 26 | 22 | 20 |    |    |    |   |
| 9   | 51  | 37  | 29  | 23  | 49  | 36  | 28  | 23  | 34  | 27  | 22  | 32 | 25 | 21 | 30 | 24 | 20 | 18 |    |    |    |   |
| 10  | 48  | 34  | 26  | 21  | 46  | 33  | 26  | 21  | 31  | 24  | 20  | 29 | 23 | 19 | 27 | 22 | 18 | 16 |    |    |    |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 11308 | 11308 | 11308 | 11308 |
| 5°  | 11384 | 10897 | 11408 | 10944 |
| 10° | 11294 | 10588 | 11330 | 10622 |
| 15° | 11178 | 10323 | 11228 | 10334 |
| 20° | 11019 | 10129 | 11057 | 10129 |
| 25° | 10819 | 9958  | 10884 | 9946  |
| 30° | 10593 | 9781  | 10675 | 9781  |
| 35° | 10328 | 9617  | 10443 | 9628  |
| 40° | 10067 | 9520  | 10190 | 9520  |
| 45° | 9767  | 9420  | 9916  | 9432  |
| 50° | 9455  | 9360  | 9582  | 9385  |
| 55° | 9012  | 9369  | 9296  | 9409  |
| 60° | 8548  | 9397  | 8826  | 9455  |
| 65° | 8029  | 9492  | 8384  | 9586  |
| 70° | 7290  | 9666  | 7859  | 9804  |
| 75° | 6445  | 9982  | 7054  | 10173 |
| 80° | 5111  | 10450 | 5805  | 10692 |
| 85° | 3253  | 11201 | 4063  | 11512 |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 265.1   | 2.2       |
| 10°-20°   | 762.0   | 6.3       |
| 20°-30°   | 1168.2  | 9.6       |
| 30°-40°   | 1441.2  | 11.9      |
| 40°-50°   | 1563.6  | 12.9      |
| 50°-60°   | 1541.1  | 12.7      |
| 60°-70°   | 1393.4  | 11.5      |
| 70°-80°   | 1160.8  | 9.5       |
| 80°-90°   | 899.1   | 7.4       |
| 90°-100°  | 681.9   | 5.6       |
| 100°-110° | 504.6   | 4.2       |
| 110°-120° | 351.0   | 2.9       |
| 120°-130° | 224.0   | 1.8       |
| 130°-140° | 125.7   | 1.0       |
| 140°-150° | 57.4    | 0.5       |
| 150°-160° | 17.8    | 0.1       |
| 160°-170° | 2.2     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-30°    | 2195.3  | 18.1      |
| 0°-40°    | 3636.5  | 29.9      |
| 0°-60°    | 6741.2  | 55.4      |
| 0°-90°    | 10194.5 | 83.8      |
| 90°-120°  | 1537.5  | 12.6      |
| 90°-150°  | 1944.5  | 16.0      |
| 90°-180°  | 1965.0  | 16.2      |
| 0°-180°   | 12159.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2799 | 2799 | 2799 | 2799 | 2799 |      |
| 5°   | 2810 | 2775 | 2816 | 2787 | 2810 | 267  |
| 15°  | 2684 | 2716 | 2695 | 2719 | 2684 | 756  |
| 25°  | 2444 | 2624 | 2459 | 2622 | 2444 | 1126 |
| 35°  | 2117 | 2462 | 2140 | 2465 | 2117 | 1326 |
| 45°  | 1736 | 2267 | 1762 | 2270 | 1736 | 1337 |
| 55°  | 1308 | 2043 | 1349 | 2052 | 1308 | 1171 |
| 65°  | 868  | 1792 | 906  | 1810 | 868  | 860  |
| 75°  | 437  | 1535 | 478  | 1565 | 437  | 463  |
| 85°  | 83   | 1278 | 103  | 1314 | 83   | 100  |
| 90°  | 3    | 1151 | 6    | 1196 | 3    | 4    |
| 95°  | 3    | 1045 | 3    | 1095 | 3    | 2    |
| 105° | 3    | 830  | 3    | 880  | 3    | 3    |
| 115° | 3    | 632  | 3    | 688  | 3    | 3    |
| 125° | 3    | 455  | 3    | 505  | 3    | 3    |
| 135° | 3    | 295  | 3    | 348  | 3    | 2    |
| 145° | 3    | 171  | 3    | 210  | 3    | 2    |
| 155° | 3    | 71   | 3    | 97   | 3    | 1    |
| 165° | 3    | 12   | 3    | 18   | 3    | 1    |
| 175° | 0    | 0    | 0    | 0    | 0    | 0    |
| 180° | 0    | 0    | 0    | 0    | 0    | 0    |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 |
| 2.5°   | 2822.3 | 2822.3 | 2819.3 | 2813.4 | 2816.4 | 2825.2 | 2819.3 | 2804.5 | 2795.7 | 2772.1 | 2778.0 |
| 5°     | 2810.5 | 2810.5 | 2807.5 | 2801.6 | 2804.5 | 2816.4 | 2810.5 | 2798.6 | 2786.8 | 2766.2 | 2775.0 |
| 7.5°   | 2789.8 | 2789.8 | 2786.8 | 2780.9 | 2786.8 | 2798.6 | 2792.7 | 2780.9 | 2772.1 | 2751.4 | 2760.3 |
| 10°    | 2760.3 | 2763.2 | 2760.3 | 2751.4 | 2763.2 | 2775.0 | 2772.1 | 2757.3 | 2748.5 | 2730.7 | 2739.6 |
| 12.5°  | 2724.8 | 2727.8 | 2724.8 | 2721.9 | 2727.8 | 2745.5 | 2739.6 | 2727.8 | 2721.9 | 2707.1 | 2716.0 |
| 15°    | 2683.5 | 2686.5 | 2680.6 | 2680.6 | 2686.5 | 2704.2 | 2704.2 | 2692.4 | 2686.5 | 2671.7 | 2689.4 |
| 17.5°  | 2630.4 | 2633.3 | 2630.4 | 2630.4 | 2636.3 | 2654.0 | 2656.9 | 2651.0 | 2645.1 | 2639.2 | 2656.9 |
| 20°    | 2577.2 | 2574.3 | 2574.3 | 2571.3 | 2583.1 | 2609.7 | 2606.8 | 2606.8 | 2600.9 | 2600.9 | 2621.5 |
| 22.5°  | 2515.2 | 2515.2 | 2512.3 | 2512.3 | 2527.0 | 2550.7 | 2550.7 | 2556.6 | 2550.7 | 2562.5 | 2580.2 |
| 25°    | 2444.4 | 2447.3 | 2444.4 | 2450.3 | 2462.1 | 2488.7 | 2491.6 | 2500.5 | 2503.4 | 2515.2 | 2535.9 |
| 27.5°  | 2370.6 | 2373.5 | 2370.6 | 2376.5 | 2397.2 | 2417.8 | 2432.6 | 2444.4 | 2447.3 | 2465.1 | 2491.6 |
| 30°    | 2290.9 | 2290.9 | 2293.8 | 2299.7 | 2323.3 | 2355.8 | 2367.6 | 2382.4 | 2382.4 | 2411.9 | 2438.5 |
| 32.5°  | 2208.2 | 2208.2 | 2208.2 | 2220.0 | 2246.6 | 2285.0 | 2299.7 | 2317.4 | 2323.3 | 2352.9 | 2382.4 |
| 35°    | 2116.7 | 2119.6 | 2119.6 | 2128.5 | 2163.9 | 2202.3 | 2223.0 | 2243.6 | 2255.4 | 2290.9 | 2320.4 |
| 37.5°  | 2031.1 | 2037.0 | 2028.1 | 2039.9 | 2090.1 | 2122.6 | 2146.2 | 2166.9 | 2187.5 | 2234.8 | 2258.4 |
| 40°    | 1933.7 | 1939.6 | 1936.6 | 1960.2 | 2001.6 | 2042.9 | 2069.5 | 2090.1 | 2119.6 | 2166.9 | 2193.5 |
| 42.5°  | 1830.3 | 1836.2 | 1842.1 | 1868.7 | 1913.0 | 1954.3 | 1986.8 | 2013.4 | 2048.8 | 2090.1 | 2134.4 |
| 45°    | 1735.9 | 1735.9 | 1744.7 | 1777.2 | 1824.4 | 1868.7 | 1907.1 | 1936.6 | 1977.9 | 2022.2 | 2066.5 |
| 47.5°  | 1629.6 | 1632.5 | 1644.4 | 1682.7 | 1732.9 | 1786.1 | 1821.5 | 1859.9 | 1904.1 | 1951.4 | 2001.6 |
| 50°    | 1532.2 | 1532.2 | 1549.9 | 1591.2 | 1638.4 | 1697.5 | 1735.9 | 1780.2 | 1827.4 | 1883.5 | 1933.7 |
| 52.5°  | 1420.0 | 1425.9 | 1452.5 | 1490.8 | 1552.8 | 1606.0 | 1650.3 | 1697.5 | 1753.6 | 1812.6 | 1868.7 |
| 55°    | 1307.8 | 1319.6 | 1340.3 | 1393.4 | 1458.4 | 1508.6 | 1561.7 | 1620.7 | 1673.9 | 1738.8 | 1803.8 |
| 57.5°  | 1198.6 | 1207.4 | 1239.9 | 1293.0 | 1360.9 | 1422.9 | 1479.0 | 1535.1 | 1600.1 | 1665.0 | 1732.9 |
| 60°    | 1086.4 | 1098.2 | 1136.6 | 1189.7 | 1263.5 | 1328.5 | 1393.4 | 1452.5 | 1520.4 | 1588.3 | 1659.1 |
| 62.5°  | 980.1  | 989.0  | 1033.3 | 1095.3 | 1169.1 | 1239.9 | 1304.9 | 1375.7 | 1449.5 | 1514.5 | 1585.3 |
| 65°    | 867.9  | 882.7  | 932.9  | 989.0  | 1074.6 | 1145.4 | 1219.2 | 1296.0 | 1372.8 | 1443.6 | 1511.5 |
| 67.5°  | 764.6  | 773.5  | 826.6  | 891.6  | 977.2  | 1056.9 | 1133.6 | 1216.3 | 1296.0 | 1369.8 | 1437.7 |
| 70°    | 643.6  | 673.1  | 726.2  | 794.1  | 885.6  | 968.3  | 1051.0 | 1136.6 | 1222.2 | 1298.9 | 1363.9 |
| 72.5°  | 543.2  | 566.8  | 625.9  | 699.7  | 788.2  | 885.6  | 971.3  | 1062.8 | 1148.4 | 1228.1 | 1296.0 |
| 75°    | 436.9  | 460.5  | 528.4  | 611.1  | 702.6  | 805.9  | 894.5  | 989.0  | 1077.5 | 1157.2 | 1228.1 |
| 77.5°  | 333.6  | 363.1  | 436.9  | 522.5  | 622.9  | 729.2  | 820.7  | 915.2  | 1006.7 | 1092.3 | 1163.1 |
| 80°    | 239.1  | 271.6  | 351.3  | 448.7  | 546.1  | 652.4  | 752.8  | 847.3  | 938.8  | 1024.4 | 1098.2 |
| 82.5°  | 153.5  | 188.9  | 274.6  | 372.0  | 475.3  | 581.6  | 684.9  | 779.4  | 870.9  | 956.5  | 1033.3 |
| 85°    | 82.7   | 121.0  | 209.6  | 307.0  | 410.3  | 516.6  | 620.0  | 720.3  | 808.9  | 888.6  | 971.3  |
| 87.5°  | 23.6   | 70.9   | 156.5  | 253.9  | 360.2  | 457.6  | 558.0  | 658.3  | 746.9  | 832.5  | 906.3  |
| 90°    | 3.0    | 41.3   | 118.1  | 209.6  | 312.9  | 407.4  | 507.8  | 602.2  | 690.8  | 776.4  | 850.2  |
| 92.5°  | 3.0    | 26.6   | 91.5   | 174.2  | 268.6  | 366.1  | 466.4  | 558.0  | 640.6  | 726.2  | 800.0  |
| 95°    | 3.0    | 20.7   | 73.8   | 147.6  | 236.2  | 327.7  | 422.2  | 510.7  | 596.3  | 676.0  | 749.8  |
| 97.5°  | 3.0    | 14.8   | 59.0   | 126.9  | 206.7  | 292.3  | 383.8  | 472.3  | 555.0  | 631.8  | 699.7  |
| 100°   | 3.0    | 11.8   | 47.2   | 109.2  | 180.1  | 262.7  | 345.4  | 431.0  | 510.7  | 584.5  | 655.4  |
| 102.5° | 3.0    | 8.9    | 41.3   | 91.5   | 159.4  | 233.2  | 312.9  | 392.6  | 469.4  | 540.2  | 611.1  |
| 105°   | 3.0    | 8.9    | 35.4   | 79.7   | 141.7  | 209.6  | 283.4  | 360.2  | 431.0  | 498.9  | 563.9  |
| 107.5° | 3.0    | 5.9    | 29.5   | 67.9   | 124.0  | 188.9  | 256.8  | 330.6  | 395.6  | 460.5  | 522.5  |
| 110°   | 3.0    | 5.9    | 23.6   | 62.0   | 109.2  | 168.3  | 233.2  | 301.1  | 363.1  | 425.1  | 484.2  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10°  | 15°  | 20°  | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-----|-----|------|------|------|-------|-------|-------|-------|-------|-------|
| 112.5° | 3.0 | 5.9 | 20.7 | 53.1 | 94.5 | 150.6 | 209.6 | 271.6 | 330.6 | 392.6 | 445.8 |
| 115°   | 3.0 | 5.9 | 17.7 | 47.2 | 88.6 | 129.9 | 188.9 | 245.0 | 304.1 | 360.2 | 410.3 |
| 117.5° | 3.0 | 5.9 | 14.8 | 38.4 | 76.8 | 118.1 | 165.3 | 221.4 | 274.6 | 327.7 | 374.9 |
| 120°   | 3.0 | 5.9 | 11.8 | 35.4 | 67.9 | 106.3 | 147.6 | 197.8 | 248.0 | 298.2 | 348.4 |
| 122.5° | 3.0 | 3.0 | 11.8 | 29.5 | 59.0 | 94.5  | 135.8 | 174.2 | 221.4 | 268.6 | 312.9 |
| 125°   | 3.0 | 3.0 | 11.8 | 26.6 | 50.2 | 85.6  | 121.0 | 156.5 | 197.8 | 239.1 | 277.5 |
| 127.5° | 3.0 | 3.0 | 8.9  | 20.7 | 44.3 | 73.8  | 106.3 | 144.7 | 174.2 | 212.6 | 250.9 |
| 130°   | 3.0 | 3.0 | 8.9  | 17.7 | 38.4 | 62.0  | 94.5  | 126.9 | 162.4 | 188.9 | 221.4 |
| 132.5° | 3.0 | 3.0 | 8.9  | 14.8 | 29.5 | 50.2  | 79.7  | 109.2 | 141.7 | 171.2 | 197.8 |
| 135°   | 3.0 | 3.0 | 5.9  | 11.8 | 23.6 | 41.3  | 64.9  | 91.5  | 124.0 | 153.5 | 180.1 |
| 137.5° | 3.0 | 3.0 | 5.9  | 11.8 | 17.7 | 35.4  | 50.2  | 73.8  | 103.3 | 129.9 | 156.5 |
| 140°   | 3.0 | 3.0 | 5.9  | 8.9  | 14.8 | 26.6  | 41.3  | 59.0  | 82.7  | 106.3 | 135.8 |
| 142.5° | 3.0 | 3.0 | 3.0  | 8.9  | 11.8 | 20.7  | 32.5  | 47.2  | 64.9  | 85.6  | 109.2 |
| 145°   | 3.0 | 3.0 | 3.0  | 8.9  | 11.8 | 14.8  | 26.6  | 38.4  | 50.2  | 64.9  | 85.6  |
| 147.5° | 3.0 | 3.0 | 3.0  | 5.9  | 8.9  | 11.8  | 20.7  | 29.5  | 38.4  | 50.2  | 62.0  |
| 150°   | 3.0 | 3.0 | 3.0  | 5.9  | 8.9  | 11.8  | 14.8  | 20.7  | 29.5  | 41.3  | 50.2  |
| 152.5° | 3.0 | 3.0 | 3.0  | 5.9  | 5.9  | 8.9   | 11.8  | 14.8  | 20.7  | 29.5  | 35.4  |
| 155°   | 3.0 | 3.0 | 3.0  | 3.0  | 5.9  | 8.9   | 11.8  | 11.8  | 14.8  | 20.7  | 26.6  |
| 157.5° | 3.0 | 3.0 | 3.0  | 3.0  | 5.9  | 5.9   | 8.9   | 8.9   | 11.8  | 11.8  | 17.7  |
| 160°   | 3.0 | 3.0 | 3.0  | 3.0  | 3.0  | 5.9   | 5.9   | 8.9   | 8.9   | 8.9   | 8.9   |
| 162.5° | 3.0 | 3.0 | 3.0  | 3.0  | 3.0  | 3.0   | 5.9   | 5.9   | 5.9   | 8.9   | 8.9   |
| 165°   | 3.0 | 3.0 | 3.0  | 3.0  | 3.0  | 3.0   | 3.0   | 3.0   | 5.9   | 5.9   | 5.9   |
| 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-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 |
| 2.5°   | 2778.0 | 2780.9 | 2789.8 | 2789.8 | 2783.9 | 2783.9 | 2780.9 | 2778.0 | 2780.9 | 2786.8 | 2786.8 |
| 5°     | 2772.1 | 2775.0 | 2783.9 | 2786.8 | 2780.9 | 2778.0 | 2778.0 | 2775.0 | 2778.0 | 2783.9 | 2783.9 |
| 7.5°   | 2760.3 | 2763.2 | 2772.1 | 2775.0 | 2769.1 | 2769.1 | 2766.2 | 2763.2 | 2769.1 | 2772.1 | 2772.1 |
| 10°    | 2742.6 | 2745.5 | 2757.3 | 2760.3 | 2757.3 | 2754.4 | 2754.4 | 2751.4 | 2754.4 | 2760.3 | 2760.3 |
| 12.5°  | 2718.9 | 2724.8 | 2739.6 | 2739.6 | 2739.6 | 2736.6 | 2736.6 | 2733.7 | 2736.6 | 2742.6 | 2739.6 |
| 15°    | 2692.4 | 2704.2 | 2716.0 | 2721.9 | 2721.9 | 2721.9 | 2718.9 | 2716.0 | 2721.9 | 2724.8 | 2721.9 |
| 17.5°  | 2662.8 | 2677.6 | 2695.3 | 2701.2 | 2701.2 | 2704.2 | 2701.2 | 2698.3 | 2704.2 | 2704.2 | 2701.2 |
| 20°    | 2633.3 | 2648.1 | 2665.8 | 2671.7 | 2677.6 | 2680.6 | 2680.6 | 2677.6 | 2680.6 | 2683.5 | 2680.6 |
| 22.5°  | 2594.9 | 2612.7 | 2633.3 | 2642.2 | 2648.1 | 2654.0 | 2654.0 | 2654.0 | 2656.9 | 2659.9 | 2654.0 |
| 25°    | 2553.6 | 2574.3 | 2597.9 | 2606.8 | 2618.6 | 2621.5 | 2624.5 | 2624.5 | 2627.4 | 2630.4 | 2621.5 |
| 27.5°  | 2509.3 | 2533.0 | 2556.6 | 2571.3 | 2580.2 | 2586.1 | 2586.1 | 2589.0 | 2592.0 | 2594.9 | 2586.1 |
| 30°    | 2456.2 | 2491.6 | 2512.3 | 2524.1 | 2535.9 | 2544.8 | 2547.7 | 2550.7 | 2553.6 | 2556.6 | 2547.7 |
| 32.5°  | 2409.0 | 2438.5 | 2465.1 | 2479.8 | 2494.6 | 2506.4 | 2509.3 | 2509.3 | 2515.2 | 2515.2 | 2506.4 |
| 35°    | 2352.9 | 2388.3 | 2414.9 | 2429.6 | 2447.3 | 2456.2 | 2462.1 | 2462.1 | 2468.0 | 2468.0 | 2459.1 |
| 37.5°  | 2296.8 | 2332.2 | 2361.7 | 2379.4 | 2400.1 | 2411.9 | 2414.9 | 2414.9 | 2420.8 | 2420.8 | 2409.0 |
| 40°    | 2237.7 | 2276.1 | 2308.6 | 2329.3 | 2347.0 | 2361.7 | 2364.7 | 2373.5 | 2373.5 | 2370.6 | 2358.8 |
| 42.5°  | 2178.7 | 2214.1 | 2249.5 | 2273.2 | 2296.8 | 2311.5 | 2317.4 | 2320.4 | 2320.4 | 2317.4 | 2308.6 |
| 45°    | 2113.7 | 2155.1 | 2187.5 | 2217.1 | 2240.7 | 2255.4 | 2264.3 | 2267.3 | 2267.3 | 2261.4 | 2252.5 |
| 47.5°  | 2051.7 | 2093.1 | 2125.6 | 2158.0 | 2181.6 | 2199.4 | 2208.2 | 2211.2 | 2208.2 | 2205.3 | 2196.4 |
| 50°    | 1986.8 | 2034.0 | 2066.5 | 2099.0 | 2122.6 | 2137.4 | 2152.1 | 2155.1 | 2152.1 | 2149.2 | 2131.5 |
| 52.5°  | 1918.9 | 1969.1 | 2004.5 | 2037.0 | 2063.6 | 2081.3 | 2093.1 | 2096.0 | 2096.0 | 2090.1 | 2078.3 |
| 55°    | 1851.0 | 1895.3 | 1939.6 | 1975.0 | 2004.5 | 2022.2 | 2037.0 | 2042.9 | 2037.0 | 2031.1 | 2016.3 |
| 57.5°  | 1789.0 | 1830.3 | 1874.6 | 1913.0 | 1942.5 | 1966.1 | 1977.9 | 1983.8 | 1977.9 | 1969.1 | 1954.3 |
| 60°    | 1715.2 | 1759.5 | 1809.7 | 1845.1 | 1877.6 | 1901.2 | 1907.1 | 1918.9 | 1913.0 | 1904.1 | 1889.4 |
| 62.5°  | 1644.4 | 1697.5 | 1741.8 | 1786.1 | 1812.6 | 1839.2 | 1851.0 | 1856.9 | 1851.0 | 1842.1 | 1827.4 |
| 65°    | 1570.5 | 1629.6 | 1673.9 | 1718.2 | 1747.7 | 1774.2 | 1789.0 | 1792.0 | 1786.1 | 1777.2 | 1762.4 |
| 67.5°  | 1502.6 | 1558.7 | 1606.0 | 1653.2 | 1679.8 | 1706.3 | 1721.1 | 1727.0 | 1721.1 | 1709.3 | 1694.5 |
| 70°    | 1434.7 | 1490.8 | 1546.9 | 1582.4 | 1614.8 | 1644.4 | 1653.2 | 1662.1 | 1656.2 | 1644.4 | 1626.6 |
| 72.5°  | 1366.8 | 1425.9 | 1482.0 | 1517.4 | 1552.8 | 1579.4 | 1591.2 | 1600.1 | 1594.2 | 1582.4 | 1561.7 |
| 75°    | 1296.0 | 1358.0 | 1414.1 | 1452.5 | 1487.9 | 1514.5 | 1526.3 | 1535.1 | 1529.2 | 1517.4 | 1493.8 |
| 77.5°  | 1231.0 | 1293.0 | 1346.2 | 1387.5 | 1422.9 | 1446.6 | 1467.2 | 1470.2 | 1464.3 | 1452.5 | 1428.8 |
| 80°    | 1163.1 | 1225.1 | 1281.2 | 1322.6 | 1358.0 | 1381.6 | 1396.4 | 1405.2 | 1399.3 | 1387.5 | 1363.9 |
| 82.5°  | 1104.1 | 1160.2 | 1216.3 | 1257.6 | 1293.0 | 1322.6 | 1334.4 | 1343.2 | 1340.3 | 1322.6 | 1304.9 |
| 85°    | 1039.2 | 1104.1 | 1148.4 | 1192.7 | 1228.1 | 1257.6 | 1266.5 | 1278.3 | 1275.3 | 1260.6 | 1237.0 |
| 87.5°  | 974.2  | 1039.2 | 1092.3 | 1136.6 | 1169.1 | 1192.7 | 1207.4 | 1213.3 | 1210.4 | 1195.6 | 1169.1 |
| 90°    | 921.1  | 980.1  | 1033.3 | 1080.5 | 1107.1 | 1133.6 | 1148.4 | 1151.3 | 1151.3 | 1133.6 | 1113.0 |
| 92.5°  | 870.9  | 927.0  | 980.1  | 1024.4 | 1056.9 | 1080.5 | 1092.3 | 1098.2 | 1095.3 | 1080.5 | 1056.9 |
| 95°    | 814.8  | 876.8  | 927.0  | 971.3  | 1003.7 | 1027.4 | 1039.2 | 1045.1 | 1042.1 | 1027.4 | 1003.7 |
| 97.5°  | 767.6  | 823.7  | 873.8  | 915.2  | 947.6  | 971.3  | 983.1  | 989.0  | 989.0  | 974.2  | 950.6  |
| 100°   | 720.3  | 776.4  | 823.7  | 865.0  | 894.5  | 918.1  | 929.9  | 932.9  | 929.9  | 918.1  | 894.5  |
| 102.5° | 673.1  | 726.2  | 773.5  | 811.8  | 844.3  | 865.0  | 876.8  | 879.7  | 879.7  | 865.0  | 841.4  |
| 105°   | 625.9  | 679.0  | 723.3  | 764.6  | 791.2  | 811.8  | 820.7  | 829.6  | 826.6  | 814.8  | 791.2  |
| 107.5° | 581.6  | 634.7  | 676.0  | 714.4  | 741.0  | 761.7  | 770.5  | 779.4  | 776.4  | 764.6  | 741.0  |
| 110°   | 540.2  | 590.4  | 628.8  | 667.2  | 690.8  | 711.5  | 726.2  | 729.2  | 723.3  | 711.5  | 690.8  |





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 501.9 | 546.1 | 584.5 | 620.0 | 646.5 | 661.3 | 673.1 | 679.0 | 673.1 | 661.3 | 646.5 |
| 115°   | 460.5 | 504.8 | 543.2 | 575.7 | 599.3 | 617.0 | 625.9 | 631.8 | 625.9 | 614.0 | 599.3 |
| 117.5° | 422.2 | 463.5 | 501.9 | 534.3 | 555.0 | 569.8 | 578.6 | 584.5 | 578.6 | 569.8 | 555.0 |
| 120°   | 389.7 | 425.1 | 460.5 | 490.1 | 513.7 | 525.5 | 534.3 | 540.2 | 537.3 | 525.5 | 510.7 |
| 122.5° | 351.3 | 389.7 | 422.2 | 451.7 | 472.3 | 484.2 | 490.1 | 496.0 | 493.0 | 484.2 | 469.4 |
| 125°   | 318.8 | 351.3 | 383.8 | 410.3 | 431.0 | 442.8 | 448.7 | 454.6 | 451.7 | 442.8 | 425.1 |
| 127.5° | 283.4 | 318.8 | 345.4 | 372.0 | 386.7 | 404.4 | 407.4 | 413.3 | 410.3 | 401.5 | 386.7 |
| 130°   | 256.8 | 283.4 | 310.0 | 333.6 | 351.3 | 363.1 | 369.0 | 372.0 | 366.1 | 360.2 | 345.4 |
| 132.5° | 224.4 | 253.9 | 277.5 | 298.2 | 310.0 | 321.8 | 327.7 | 330.6 | 330.6 | 321.8 | 310.0 |
| 135°   | 200.7 | 221.4 | 242.1 | 262.7 | 274.6 | 286.4 | 292.3 | 295.2 | 292.3 | 286.4 | 274.6 |
| 137.5° | 180.1 | 197.8 | 212.6 | 230.3 | 245.0 | 250.9 | 256.8 | 256.8 | 253.9 | 250.9 | 242.1 |
| 140°   | 156.5 | 177.1 | 191.9 | 203.7 | 215.5 | 218.5 | 224.4 | 224.4 | 221.4 | 218.5 | 212.6 |
| 142.5° | 132.8 | 150.6 | 165.3 | 180.1 | 188.9 | 194.8 | 197.8 | 200.7 | 197.8 | 194.8 | 186.0 |
| 145°   | 106.3 | 126.9 | 141.7 | 150.6 | 162.4 | 165.3 | 168.3 | 171.2 | 168.3 | 165.3 | 156.5 |
| 147.5° | 82.7  | 100.4 | 115.1 | 126.9 | 135.8 | 138.8 | 141.7 | 144.7 | 141.7 | 135.8 | 132.8 |
| 150°   | 59.0  | 73.8  | 91.5  | 103.3 | 109.2 | 115.1 | 115.1 | 115.1 | 118.1 | 112.2 | 106.3 |
| 152.5° | 47.2  | 53.1  | 64.9  | 76.8  | 85.6  | 88.6  | 91.5  | 91.5  | 88.6  | 88.6  | 82.7  |
| 155°   | 32.5  | 38.4  | 47.2  | 56.1  | 64.9  | 67.9  | 70.9  | 70.9  | 67.9  | 67.9  | 64.9  |
| 157.5° | 20.7  | 26.6  | 32.5  | 38.4  | 47.2  | 50.2  | 53.1  | 53.1  | 53.1  | 50.2  | 47.2  |
| 160°   | 11.8  | 14.8  | 17.7  | 23.6  | 29.5  | 32.5  | 35.4  | 35.4  | 35.4  | 35.4  | 32.5  |
| 162.5° | 8.9   | 8.9   | 8.9   | 11.8  | 14.8  | 17.7  | 20.7  | 20.7  | 20.7  | 20.7  | 17.7  |
| 165°   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 8.9   | 11.8  | 11.8  | 11.8  | 11.8  | 11.8  |
| 167.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 172.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 |
| 2.5°   | 2783.9 | 2783.9 | 2786.8 | 2780.9 | 2763.2 | 2766.2 | 2766.2 | 2778.0 | 2783.9 | 2786.8 | 2801.6 |
| 5°     | 2778.0 | 2778.0 | 2783.9 | 2775.0 | 2760.3 | 2760.3 | 2760.3 | 2772.1 | 2775.0 | 2780.9 | 2792.7 |
| 7.5°   | 2769.1 | 2769.1 | 2772.1 | 2763.2 | 2745.5 | 2745.5 | 2742.6 | 2754.4 | 2760.3 | 2763.2 | 2775.0 |
| 10°    | 2754.4 | 2754.4 | 2757.3 | 2748.5 | 2727.8 | 2727.8 | 2724.8 | 2733.7 | 2736.6 | 2742.6 | 2751.4 |
| 12.5°  | 2733.7 | 2733.7 | 2733.7 | 2724.8 | 2704.2 | 2701.2 | 2698.3 | 2707.1 | 2707.1 | 2710.1 | 2718.9 |
| 15°    | 2716.0 | 2710.1 | 2710.1 | 2701.2 | 2680.6 | 2674.7 | 2668.8 | 2671.7 | 2677.6 | 2674.7 | 2680.6 |
| 17.5°  | 2695.3 | 2689.4 | 2683.5 | 2674.7 | 2648.1 | 2639.2 | 2633.3 | 2636.3 | 2633.3 | 2630.4 | 2636.3 |
| 20°    | 2671.7 | 2662.8 | 2659.9 | 2645.1 | 2618.6 | 2603.8 | 2592.0 | 2586.1 | 2589.0 | 2580.2 | 2583.1 |
| 22.5°  | 2645.1 | 2633.3 | 2627.4 | 2609.7 | 2583.1 | 2565.4 | 2550.7 | 2538.9 | 2535.9 | 2524.1 | 2527.0 |
| 25°    | 2612.7 | 2597.9 | 2589.0 | 2574.3 | 2544.8 | 2524.1 | 2506.4 | 2488.7 | 2479.8 | 2465.1 | 2462.1 |
| 27.5°  | 2574.3 | 2559.5 | 2547.7 | 2533.0 | 2503.4 | 2476.9 | 2456.2 | 2432.6 | 2420.8 | 2403.1 | 2394.2 |
| 30°    | 2535.9 | 2518.2 | 2500.5 | 2488.7 | 2456.2 | 2426.7 | 2394.2 | 2373.5 | 2355.8 | 2335.2 | 2320.4 |
| 32.5°  | 2488.7 | 2471.0 | 2453.2 | 2435.5 | 2406.0 | 2370.6 | 2344.0 | 2311.5 | 2290.9 | 2267.3 | 2249.5 |
| 35°    | 2441.4 | 2417.8 | 2400.1 | 2376.5 | 2349.9 | 2308.6 | 2276.1 | 2243.6 | 2217.1 | 2190.5 | 2169.8 |
| 37.5°  | 2388.3 | 2370.6 | 2344.0 | 2323.3 | 2290.9 | 2249.5 | 2214.1 | 2172.8 | 2149.2 | 2113.7 | 2087.2 |
| 40°    | 2338.1 | 2317.4 | 2290.9 | 2264.3 | 2231.8 | 2184.6 | 2146.2 | 2099.0 | 2072.4 | 2031.1 | 2004.5 |
| 42.5°  | 2287.9 | 2258.4 | 2231.8 | 2202.3 | 2166.9 | 2122.6 | 2075.4 | 2028.1 | 1992.7 | 1954.3 | 1916.0 |
| 45°    | 2231.8 | 2199.4 | 2166.9 | 2134.4 | 2099.0 | 2054.7 | 2004.5 | 1954.3 | 1910.0 | 1874.6 | 1827.4 |
| 47.5°  | 2172.8 | 2140.3 | 2101.9 | 2066.5 | 2028.1 | 1983.8 | 1930.7 | 1877.6 | 1830.3 | 1789.0 | 1738.8 |
| 50°    | 2113.7 | 2081.3 | 2039.9 | 2001.6 | 1957.3 | 1913.0 | 1856.9 | 1794.9 | 1744.7 | 1691.6 | 1647.3 |
| 52.5°  | 2051.7 | 2019.3 | 1980.9 | 1930.7 | 1883.5 | 1839.2 | 1780.2 | 1715.2 | 1659.1 | 1614.8 | 1558.7 |
| 55°    | 1989.8 | 1957.3 | 1913.0 | 1862.8 | 1815.6 | 1759.5 | 1703.4 | 1638.4 | 1576.5 | 1523.3 | 1467.2 |
| 57.5°  | 1924.8 | 1895.3 | 1845.1 | 1803.8 | 1744.7 | 1685.7 | 1626.6 | 1564.6 | 1496.7 | 1434.7 | 1369.8 |
| 60°    | 1859.9 | 1827.4 | 1780.2 | 1730.0 | 1670.9 | 1611.9 | 1549.9 | 1482.0 | 1411.1 | 1343.2 | 1284.2 |
| 62.5°  | 1800.8 | 1759.5 | 1715.2 | 1662.1 | 1600.1 | 1544.0 | 1473.1 | 1399.3 | 1328.5 | 1257.6 | 1186.8 |
| 65°    | 1732.9 | 1688.6 | 1647.3 | 1594.2 | 1529.2 | 1464.3 | 1393.4 | 1319.6 | 1242.9 | 1166.1 | 1095.3 |
| 67.5°  | 1665.0 | 1620.7 | 1576.5 | 1523.3 | 1455.4 | 1387.5 | 1313.7 | 1239.9 | 1154.3 | 1080.5 | 997.8  |
| 70°    | 1597.1 | 1561.7 | 1505.6 | 1449.5 | 1387.5 | 1313.7 | 1239.9 | 1160.2 | 1071.6 | 991.9  | 906.3  |
| 72.5°  | 1529.2 | 1493.8 | 1437.7 | 1378.7 | 1319.6 | 1242.9 | 1163.1 | 1083.4 | 1000.8 | 909.3  | 817.7  |
| 75°    | 1464.3 | 1420.0 | 1369.8 | 1313.7 | 1251.7 | 1172.0 | 1092.3 | 1009.6 | 912.2  | 826.6  | 732.1  |
| 77.5°  | 1402.3 | 1360.9 | 1310.8 | 1248.8 | 1180.9 | 1104.1 | 1021.4 | 935.8  | 838.4  | 746.9  | 643.6  |
| 80°    | 1334.4 | 1293.0 | 1242.9 | 1180.9 | 1113.0 | 1039.2 | 950.6  | 862.0  | 767.6  | 667.2  | 560.9  |
| 82.5°  | 1269.4 | 1231.0 | 1175.0 | 1118.9 | 1045.1 | 971.3  | 882.7  | 794.1  | 693.8  | 596.3  | 493.0  |
| 85°    | 1201.5 | 1163.1 | 1110.0 | 1051.0 | 980.1  | 900.4  | 817.7  | 729.2  | 628.8  | 528.4  | 425.1  |
| 87.5°  | 1142.5 | 1098.2 | 1045.1 | 986.0  | 915.2  | 838.4  | 758.7  | 664.2  | 566.8  | 469.4  | 363.1  |
| 90°    | 1080.5 | 1039.2 | 986.0  | 927.0  | 856.1  | 779.4  | 696.7  | 608.1  | 513.7  | 413.3  | 312.9  |
| 92.5°  | 1027.4 | 983.1  | 932.9  | 873.8  | 803.0  | 729.2  | 646.5  | 558.0  | 466.4  | 369.0  | 271.6  |
| 95°    | 974.2  | 929.9  | 882.7  | 823.7  | 752.8  | 679.0  | 596.3  | 510.7  | 422.2  | 327.7  | 236.2  |
| 97.5°  | 915.2  | 876.8  | 829.6  | 773.5  | 702.6  | 631.8  | 552.1  | 469.4  | 383.8  | 292.3  | 206.7  |
| 100°   | 867.9  | 823.7  | 779.4  | 720.3  | 655.4  | 587.5  | 507.8  | 428.1  | 345.4  | 259.8  | 180.1  |
| 102.5° | 814.8  | 773.5  | 729.2  | 673.1  | 608.1  | 540.2  | 466.4  | 389.7  | 312.9  | 233.2  | 156.5  |
| 105°   | 764.6  | 726.2  | 679.0  | 625.9  | 563.9  | 498.9  | 428.1  | 357.2  | 283.4  | 206.7  | 138.8  |
| 107.5° | 714.4  | 676.0  | 631.8  | 581.6  | 522.5  | 457.6  | 392.6  | 321.8  | 253.9  | 186.0  | 124.0  |
| 110°   | 664.2  | 628.8  | 587.5  | 537.3  | 481.2  | 422.2  | 360.2  | 295.2  | 227.3  | 165.3  | 109.2  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 112.5° | 620.0 | 584.5 | 543.2 | 496.0 | 442.8 | 386.7 | 327.7 | 265.7 | 203.7 | 147.6 | 94.5 |
| 115°   | 575.7 | 543.2 | 501.9 | 460.5 | 407.4 | 354.3 | 298.2 | 239.1 | 183.0 | 132.8 | 82.7 |
| 117.5° | 531.4 | 498.9 | 460.5 | 419.2 | 372.0 | 321.8 | 268.6 | 212.6 | 165.3 | 118.1 | 73.8 |
| 120°   | 487.1 | 457.6 | 422.2 | 383.8 | 342.5 | 292.3 | 239.1 | 191.9 | 147.6 | 103.3 | 64.9 |
| 122.5° | 445.8 | 419.2 | 386.7 | 351.3 | 307.0 | 259.8 | 215.5 | 174.2 | 132.8 | 91.5  | 53.1 |
| 125°   | 407.4 | 380.8 | 351.3 | 315.9 | 274.6 | 233.2 | 194.8 | 156.5 | 115.1 | 79.7  | 44.3 |
| 127.5° | 369.0 | 342.5 | 312.9 | 280.5 | 248.0 | 209.6 | 174.2 | 138.8 | 103.3 | 70.9  | 38.4 |
| 130°   | 330.6 | 307.0 | 280.5 | 253.9 | 221.4 | 186.0 | 156.5 | 121.0 | 88.6  | 56.1  | 32.5 |
| 132.5° | 292.3 | 274.6 | 250.9 | 224.4 | 194.8 | 168.3 | 135.8 | 106.3 | 76.8  | 50.2  | 29.5 |
| 135°   | 259.8 | 242.1 | 221.4 | 197.8 | 174.2 | 147.6 | 118.1 | 91.5  | 64.9  | 41.3  | 23.6 |
| 137.5° | 230.3 | 215.5 | 194.8 | 174.2 | 153.5 | 126.9 | 103.3 | 76.8  | 53.1  | 35.4  | 17.7 |
| 140°   | 203.7 | 188.9 | 171.2 | 150.6 | 132.8 | 109.2 | 85.6  | 62.0  | 47.2  | 29.5  | 14.8 |
| 142.5° | 177.1 | 162.4 | 147.6 | 129.9 | 112.2 | 91.5  | 70.9  | 53.1  | 38.4  | 23.6  | 14.8 |
| 145°   | 150.6 | 138.8 | 124.0 | 109.2 | 91.5  | 73.8  | 59.0  | 44.3  | 29.5  | 17.7  | 11.8 |
| 147.5° | 124.0 | 115.1 | 100.4 | 88.6  | 73.8  | 59.0  | 47.2  | 35.4  | 23.6  | 14.8  | 8.9  |
| 150°   | 100.4 | 91.5  | 79.7  | 67.9  | 59.0  | 47.2  | 38.4  | 26.6  | 17.7  | 14.8  | 8.9  |
| 152.5° | 76.8  | 70.9  | 62.0  | 56.1  | 47.2  | 35.4  | 26.6  | 20.7  | 14.8  | 11.8  | 5.9  |
| 155°   | 62.0  | 56.1  | 50.2  | 41.3  | 35.4  | 26.6  | 20.7  | 14.8  | 11.8  | 8.9   | 5.9  |
| 157.5° | 44.3  | 41.3  | 35.4  | 29.5  | 23.6  | 17.7  | 14.8  | 14.8  | 8.9   | 5.9   | 3.0  |
| 160°   | 29.5  | 26.6  | 23.6  | 17.7  | 14.8  | 14.8  | 11.8  | 8.9   | 5.9   | 5.9   | 3.0  |
| 162.5° | 17.7  | 14.8  | 14.8  | 14.8  | 11.8  | 11.8  | 8.9   | 5.9   | 5.9   | 3.0   | 3.0  |
| 165°   | 11.8  | 11.8  | 11.8  | 8.9   | 8.9   | 8.9   | 5.9   | 3.0   | 3.0   | 3.0   | 3.0  |
| 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-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 |
| 2.5°   | 2801.6 | 2792.7 | 2804.5 | 2825.2 | 2828.2 | 2825.2 | 2819.3 | 2828.2 | 2840.0 | 2837.0 | 2816.4 |
| 5°     | 2795.7 | 2783.9 | 2795.7 | 2816.4 | 2816.4 | 2813.4 | 2810.5 | 2819.3 | 2831.1 | 2828.2 | 2810.5 |
| 7.5°   | 2778.0 | 2766.2 | 2778.0 | 2795.7 | 2798.6 | 2792.7 | 2792.7 | 2801.6 | 2813.4 | 2810.5 | 2795.7 |
| 10°    | 2754.4 | 2742.6 | 2748.5 | 2769.1 | 2775.0 | 2769.1 | 2769.1 | 2778.0 | 2792.7 | 2789.8 | 2772.1 |
| 12.5°  | 2718.9 | 2710.1 | 2716.0 | 2733.7 | 2739.6 | 2736.6 | 2733.7 | 2745.5 | 2760.3 | 2760.3 | 2742.6 |
| 15°    | 2680.6 | 2668.8 | 2674.7 | 2695.3 | 2698.3 | 2692.4 | 2695.3 | 2704.2 | 2721.9 | 2721.9 | 2707.1 |
| 17.5°  | 2636.3 | 2621.5 | 2630.4 | 2645.1 | 2648.1 | 2648.1 | 2648.1 | 2659.9 | 2680.6 | 2677.6 | 2665.8 |
| 20°    | 2586.1 | 2565.4 | 2571.3 | 2586.1 | 2592.0 | 2592.0 | 2592.0 | 2612.7 | 2627.4 | 2627.4 | 2615.6 |
| 22.5°  | 2527.0 | 2512.3 | 2512.3 | 2527.0 | 2535.9 | 2533.0 | 2533.0 | 2550.7 | 2571.3 | 2568.4 | 2568.4 |
| 25°    | 2459.1 | 2447.3 | 2441.4 | 2459.1 | 2462.1 | 2465.1 | 2471.0 | 2488.7 | 2512.3 | 2512.3 | 2515.2 |
| 27.5°  | 2388.3 | 2376.5 | 2373.5 | 2388.3 | 2391.2 | 2394.2 | 2400.1 | 2420.8 | 2444.4 | 2447.3 | 2453.2 |
| 30°    | 2320.4 | 2302.7 | 2296.8 | 2308.6 | 2314.5 | 2317.4 | 2317.4 | 2349.9 | 2370.6 | 2379.4 | 2391.2 |
| 32.5°  | 2240.7 | 2223.0 | 2208.2 | 2228.9 | 2231.8 | 2237.7 | 2240.7 | 2273.2 | 2296.8 | 2311.5 | 2329.3 |
| 35°    | 2161.0 | 2131.5 | 2125.6 | 2140.3 | 2146.2 | 2149.2 | 2155.1 | 2190.5 | 2223.0 | 2234.8 | 2258.4 |
| 37.5°  | 2072.4 | 2051.7 | 2034.0 | 2048.8 | 2054.7 | 2057.7 | 2075.4 | 2107.8 | 2140.3 | 2158.0 | 2181.6 |
| 40°    | 1989.8 | 1963.2 | 1948.4 | 1957.3 | 1963.2 | 1966.1 | 1986.8 | 2022.2 | 2060.6 | 2081.3 | 2110.8 |
| 42.5°  | 1898.2 | 1862.8 | 1851.0 | 1859.9 | 1862.8 | 1871.7 | 1889.4 | 1936.6 | 1975.0 | 2004.5 | 2028.1 |
| 45°    | 1806.7 | 1780.2 | 1753.6 | 1762.4 | 1765.4 | 1771.3 | 1797.9 | 1848.1 | 1889.4 | 1924.8 | 1951.4 |
| 47.5°  | 1712.3 | 1679.8 | 1653.2 | 1659.1 | 1670.9 | 1673.9 | 1703.4 | 1762.4 | 1800.8 | 1839.2 | 1874.6 |
| 50°    | 1617.8 | 1573.5 | 1552.8 | 1552.8 | 1558.7 | 1573.5 | 1611.9 | 1670.9 | 1712.3 | 1756.5 | 1794.9 |
| 52.5°  | 1520.4 | 1479.0 | 1455.4 | 1458.4 | 1464.3 | 1482.0 | 1517.4 | 1576.5 | 1623.7 | 1670.9 | 1718.2 |
| 55°    | 1422.9 | 1378.7 | 1355.0 | 1349.1 | 1355.0 | 1378.7 | 1420.0 | 1482.0 | 1529.2 | 1585.3 | 1635.5 |
| 57.5°  | 1325.5 | 1272.4 | 1251.7 | 1242.9 | 1248.8 | 1278.3 | 1319.6 | 1384.6 | 1443.6 | 1496.7 | 1555.8 |
| 60°    | 1219.2 | 1177.9 | 1142.5 | 1121.8 | 1136.6 | 1175.0 | 1219.2 | 1287.1 | 1349.1 | 1408.2 | 1473.1 |
| 62.5°  | 1127.7 | 1074.6 | 1036.2 | 1015.5 | 1030.3 | 1062.8 | 1124.8 | 1189.7 | 1257.6 | 1325.5 | 1390.5 |
| 65°    | 1024.4 | 971.3  | 927.0  | 906.3  | 921.1  | 959.5  | 1021.4 | 1092.3 | 1166.1 | 1234.0 | 1310.8 |
| 67.5°  | 924.0  | 867.9  | 814.8  | 794.1  | 811.8  | 853.2  | 921.1  | 1000.8 | 1080.5 | 1151.3 | 1234.0 |
| 70°    | 826.6  | 764.6  | 708.5  | 693.8  | 705.6  | 761.7  | 826.6  | 906.3  | 989.0  | 1071.6 | 1157.2 |
| 72.5°  | 738.0  | 661.3  | 602.2  | 584.5  | 599.3  | 661.3  | 735.1  | 817.7  | 906.3  | 994.9  | 1086.4 |
| 75°    | 634.7  | 563.9  | 498.9  | 478.2  | 496.0  | 552.1  | 643.6  | 732.1  | 826.6  | 921.1  | 1006.7 |
| 77.5°  | 552.1  | 469.4  | 401.5  | 369.0  | 398.5  | 469.4  | 558.0  | 652.4  | 749.8  | 847.3  | 944.7  |
| 80°    | 466.4  | 380.8  | 307.0  | 271.6  | 304.1  | 380.8  | 469.4  | 572.7  | 681.9  | 779.4  | 867.9  |
| 82.5°  | 389.7  | 298.2  | 221.4  | 183.0  | 218.5  | 304.1  | 401.5  | 504.8  | 611.1  | 708.5  | 811.8  |
| 85°    | 318.8  | 224.4  | 144.7  | 103.3  | 153.5  | 230.3  | 333.6  | 439.9  | 549.1  | 649.5  | 749.8  |
| 87.5°  | 259.8  | 168.3  | 88.6   | 44.3   | 94.5   | 180.1  | 277.5  | 383.8  | 493.0  | 593.4  | 687.9  |
| 90°    | 212.6  | 121.0  | 47.2   | 5.9    | 56.1   | 135.8  | 230.3  | 333.6  | 436.9  | 540.2  | 634.7  |
| 92.5°  | 174.2  | 91.5   | 26.6   | 3.0    | 35.4   | 109.2  | 197.8  | 295.2  | 395.6  | 496.0  | 587.5  |
| 95°    | 144.7  | 70.9   | 17.7   | 3.0    | 26.6   | 85.6   | 168.3  | 262.7  | 357.2  | 454.6  | 546.1  |
| 97.5°  | 124.0  | 59.0   | 14.8   | 3.0    | 20.7   | 73.8   | 144.7  | 233.2  | 324.7  | 416.3  | 504.8  |
| 100°   | 106.3  | 47.2   | 11.8   | 3.0    | 17.7   | 62.0   | 126.9  | 206.7  | 292.3  | 380.8  | 466.4  |
| 102.5° | 91.5   | 38.4   | 8.9    | 3.0    | 14.8   | 53.1   | 112.2  | 186.0  | 262.7  | 348.4  | 431.0  |
| 105°   | 79.7   | 32.5   | 8.9    | 3.0    | 11.8   | 47.2   | 100.4  | 165.3  | 242.1  | 318.8  | 398.5  |
| 107.5° | 67.9   | 26.6   | 5.9    | 3.0    | 8.9    | 38.4   | 88.6   | 150.6  | 218.5  | 292.3  | 366.1  |
| 110°   | 59.0   | 23.6   | 5.9    | 3.0    | 8.9    | 35.4   | 76.8   | 135.8  | 197.8  | 265.7  | 336.5  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200°  | 205°  | 210°  | 215°  |
|--------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 112.5° | 50.2 | 17.7 | 5.9  | 3.0  | 5.9  | 29.5 | 67.9 | 121.0 | 180.1 | 242.1 | 310.0 |
| 115°   | 44.3 | 14.8 | 3.0  | 3.0  | 5.9  | 26.6 | 62.0 | 109.2 | 162.4 | 221.4 | 283.4 |
| 117.5° | 35.4 | 11.8 | 3.0  | 3.0  | 3.0  | 20.7 | 53.1 | 97.4  | 147.6 | 203.7 | 259.8 |
| 120°   | 29.5 | 11.8 | 3.0  | 3.0  | 3.0  | 17.7 | 47.2 | 85.6  | 132.8 | 183.0 | 236.2 |
| 122.5° | 26.6 | 8.9  | 3.0  | 3.0  | 3.0  | 14.8 | 41.3 | 76.8  | 118.1 | 165.3 | 215.5 |
| 125°   | 23.6 | 8.9  | 3.0  | 3.0  | 3.0  | 11.8 | 35.4 | 67.9  | 106.3 | 147.6 | 194.8 |
| 127.5° | 17.7 | 8.9  | 3.0  | 3.0  | 3.0  | 8.9  | 32.5 | 59.0  | 94.5  | 132.8 | 174.2 |
| 130°   | 14.8 | 5.9  | 3.0  | 3.0  | 3.0  | 8.9  | 26.6 | 53.1  | 82.7  | 118.1 | 156.5 |
| 132.5° | 11.8 | 5.9  | 3.0  | 3.0  | 3.0  | 5.9  | 20.7 | 41.3  | 70.9  | 103.3 | 138.8 |
| 135°   | 11.8 | 5.9  | 3.0  | 3.0  | 3.0  | 5.9  | 14.8 | 35.4  | 59.0  | 88.6  | 118.1 |
| 137.5° | 11.8 | 3.0  | 3.0  | 3.0  | 3.0  | 5.9  | 11.8 | 26.6  | 47.2  | 70.9  | 97.4  |
| 140°   | 8.9  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 8.9  | 20.7  | 38.4  | 59.0  | 82.7  |
| 142.5° | 8.9  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 8.9  | 14.8  | 29.5  | 47.2  | 64.9  |
| 145°   | 5.9  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.9  | 11.8  | 23.6  | 35.4  | 53.1  |
| 147.5° | 5.9  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.9  | 8.9   | 17.7  | 29.5  | 41.3  |
| 150°   | 5.9  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.9  | 8.9   | 11.8  | 20.7  | 32.5  |
| 152.5° | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.9  | 5.9   | 8.9   | 14.8  | 20.7  |
| 155°   | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.9   | 8.9   | 11.8  | 14.8  |
| 157.5° | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 5.9   | 5.9   | 8.9   | 11.8  |
| 160°   | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0   | 5.9   | 5.9   | 8.9   |
| 162.5° | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0   | 3.0   | 5.9   | 5.9   |
| 165°   | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0   | 3.0   | 3.0   | 3.0   |
| 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-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 |
| 2.5°   | 2807.5 | 2786.8 | 2792.7 | 2789.8 | 2795.7 | 2804.5 | 2804.5 | 2801.6 | 2801.6 | 2795.7 | 2789.8 |
| 5°     | 2801.6 | 2780.9 | 2789.8 | 2786.8 | 2792.7 | 2801.6 | 2801.6 | 2798.6 | 2798.6 | 2789.8 | 2786.8 |
| 7.5°   | 2783.9 | 2769.1 | 2775.0 | 2775.0 | 2780.9 | 2789.8 | 2789.8 | 2786.8 | 2786.8 | 2778.0 | 2775.0 |
| 10°    | 2766.2 | 2748.5 | 2757.3 | 2757.3 | 2763.2 | 2775.0 | 2775.0 | 2772.1 | 2772.1 | 2763.2 | 2760.3 |
| 12.5°  | 2736.6 | 2718.9 | 2733.7 | 2736.6 | 2742.6 | 2754.4 | 2751.4 | 2751.4 | 2751.4 | 2742.6 | 2739.6 |
| 15°    | 2701.2 | 2689.4 | 2704.2 | 2707.1 | 2716.0 | 2730.7 | 2730.7 | 2730.7 | 2730.7 | 2721.9 | 2718.9 |
| 17.5°  | 2662.8 | 2654.0 | 2668.8 | 2674.7 | 2686.5 | 2701.2 | 2701.2 | 2704.2 | 2707.1 | 2701.2 | 2698.3 |
| 20°    | 2618.6 | 2612.7 | 2627.4 | 2639.2 | 2656.9 | 2671.7 | 2677.6 | 2680.6 | 2686.5 | 2680.6 | 2677.6 |
| 22.5°  | 2568.4 | 2568.4 | 2589.0 | 2600.9 | 2621.5 | 2636.3 | 2645.1 | 2654.0 | 2659.9 | 2654.0 | 2651.0 |
| 25°    | 2512.3 | 2521.1 | 2541.8 | 2562.5 | 2586.1 | 2600.9 | 2609.7 | 2621.5 | 2627.4 | 2624.5 | 2621.5 |
| 27.5°  | 2459.1 | 2471.0 | 2497.5 | 2518.2 | 2538.9 | 2562.5 | 2571.3 | 2586.1 | 2592.0 | 2592.0 | 2589.0 |
| 30°    | 2397.2 | 2414.9 | 2444.4 | 2468.0 | 2494.6 | 2518.2 | 2530.0 | 2544.8 | 2553.6 | 2547.7 | 2550.7 |
| 32.5°  | 2338.1 | 2367.6 | 2391.2 | 2417.8 | 2447.3 | 2471.0 | 2485.7 | 2503.4 | 2512.3 | 2509.3 | 2512.3 |
| 35°    | 2273.2 | 2302.7 | 2335.2 | 2361.7 | 2397.2 | 2420.8 | 2441.4 | 2456.2 | 2468.0 | 2465.1 | 2465.1 |
| 37.5°  | 2202.3 | 2240.7 | 2273.2 | 2308.6 | 2341.1 | 2367.6 | 2388.3 | 2406.0 | 2417.8 | 2417.8 | 2417.8 |
| 40°    | 2134.4 | 2175.7 | 2208.2 | 2249.5 | 2290.9 | 2314.5 | 2338.1 | 2355.8 | 2367.6 | 2370.6 | 2373.5 |
| 42.5°  | 2060.6 | 2104.9 | 2143.3 | 2187.5 | 2228.9 | 2258.4 | 2285.0 | 2305.6 | 2317.4 | 2323.3 | 2320.4 |
| 45°    | 1992.7 | 2034.0 | 2078.3 | 2128.5 | 2166.9 | 2196.4 | 2228.9 | 2252.5 | 2264.3 | 2267.3 | 2270.2 |
| 47.5°  | 1916.0 | 1963.2 | 2013.4 | 2063.6 | 2101.9 | 2140.3 | 2169.8 | 2193.5 | 2205.3 | 2214.1 | 2214.1 |
| 50°    | 1842.1 | 1892.3 | 1948.4 | 2001.6 | 2042.9 | 2081.3 | 2110.8 | 2137.4 | 2152.1 | 2158.0 | 2161.0 |
| 52.5°  | 1774.2 | 1821.5 | 1880.5 | 1933.7 | 1975.0 | 2013.4 | 2051.7 | 2081.3 | 2096.0 | 2101.9 | 2101.9 |
| 55°    | 1691.6 | 1750.6 | 1815.6 | 1865.8 | 1910.0 | 1954.3 | 1992.7 | 2022.2 | 2037.0 | 2045.8 | 2051.7 |
| 57.5°  | 1614.8 | 1676.8 | 1744.7 | 1797.9 | 1851.0 | 1892.3 | 1927.8 | 1966.1 | 1977.9 | 1989.8 | 1992.7 |
| 60°    | 1541.0 | 1603.0 | 1668.0 | 1727.0 | 1780.2 | 1824.4 | 1865.8 | 1898.2 | 1918.9 | 1924.8 | 1930.7 |
| 62.5°  | 1464.3 | 1529.2 | 1597.1 | 1656.2 | 1712.3 | 1765.4 | 1803.8 | 1833.3 | 1856.9 | 1865.8 | 1871.7 |
| 65°    | 1390.5 | 1458.4 | 1526.3 | 1588.3 | 1647.3 | 1700.4 | 1738.8 | 1768.3 | 1792.0 | 1806.7 | 1809.7 |
| 67.5°  | 1310.8 | 1384.6 | 1455.4 | 1520.4 | 1579.4 | 1635.5 | 1673.9 | 1703.4 | 1727.0 | 1744.7 | 1747.7 |
| 70°    | 1237.0 | 1313.7 | 1384.6 | 1455.4 | 1514.5 | 1570.5 | 1611.9 | 1641.4 | 1668.0 | 1679.8 | 1685.7 |
| 72.5°  | 1166.1 | 1245.8 | 1319.6 | 1390.5 | 1449.5 | 1505.6 | 1549.9 | 1579.4 | 1606.0 | 1620.7 | 1623.7 |
| 75°    | 1098.2 | 1177.9 | 1257.6 | 1325.5 | 1387.5 | 1443.6 | 1487.9 | 1520.4 | 1544.0 | 1558.7 | 1564.6 |
| 77.5°  | 1030.3 | 1113.0 | 1192.7 | 1260.6 | 1325.5 | 1381.6 | 1420.0 | 1458.4 | 1482.0 | 1499.7 | 1499.7 |
| 80°    | 962.4  | 1048.0 | 1130.7 | 1198.6 | 1263.5 | 1313.7 | 1358.0 | 1396.4 | 1420.0 | 1437.7 | 1437.7 |
| 82.5°  | 903.4  | 986.0  | 1065.7 | 1133.6 | 1198.6 | 1254.7 | 1298.9 | 1334.4 | 1360.9 | 1372.8 | 1375.7 |
| 85°    | 835.5  | 927.0  | 1000.8 | 1074.6 | 1136.6 | 1189.7 | 1234.0 | 1272.4 | 1296.0 | 1307.8 | 1313.7 |
| 87.5°  | 779.4  | 867.9  | 947.6  | 1012.6 | 1074.6 | 1127.7 | 1177.9 | 1210.4 | 1234.0 | 1248.8 | 1254.7 |
| 90°    | 726.2  | 811.8  | 891.6  | 956.5  | 1021.4 | 1071.6 | 1118.9 | 1151.3 | 1177.9 | 1189.7 | 1195.6 |
| 92.5°  | 679.0  | 764.6  | 841.4  | 906.3  | 968.3  | 1024.4 | 1068.7 | 1101.2 | 1124.8 | 1136.6 | 1145.4 |
| 95°    | 634.7  | 717.4  | 791.2  | 862.0  | 921.1  | 971.3  | 1018.5 | 1051.0 | 1077.5 | 1086.4 | 1095.3 |
| 97.5°  | 590.4  | 670.1  | 743.9  | 811.8  | 873.8  | 921.1  | 965.4  | 997.8  | 1018.5 | 1033.3 | 1042.1 |
| 100°   | 552.1  | 628.8  | 699.7  | 764.6  | 823.7  | 867.9  | 915.2  | 944.7  | 965.4  | 977.2  | 989.0  |
| 102.5° | 510.7  | 587.5  | 655.4  | 717.4  | 779.4  | 820.7  | 865.0  | 894.5  | 912.2  | 932.9  | 932.9  |
| 105°   | 475.3  | 546.1  | 614.0  | 673.1  | 726.2  | 776.4  | 814.8  | 844.3  | 865.0  | 879.7  | 879.7  |
| 107.5° | 436.9  | 507.8  | 572.7  | 634.7  | 684.9  | 732.1  | 767.6  | 794.1  | 817.7  | 826.6  | 835.5  |
| 110°   | 407.4  | 469.4  | 534.3  | 593.4  | 640.6  | 684.9  | 720.3  | 749.8  | 770.5  | 779.4  | 785.3  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 372.0 | 436.9 | 496.0 | 552.1 | 599.3 | 640.6 | 676.0 | 699.7 | 720.3 | 732.1 | 735.1 |
| 115°   | 342.5 | 404.4 | 457.6 | 510.7 | 560.9 | 596.3 | 628.8 | 652.4 | 673.1 | 681.9 | 687.9 |
| 117.5° | 315.9 | 372.0 | 425.1 | 469.4 | 516.6 | 555.0 | 587.5 | 608.1 | 625.9 | 637.7 | 643.6 |
| 120°   | 289.3 | 342.5 | 389.7 | 434.0 | 478.2 | 513.7 | 543.2 | 563.9 | 584.5 | 593.4 | 593.4 |
| 122.5° | 262.7 | 312.9 | 357.2 | 398.5 | 439.9 | 472.3 | 504.8 | 522.5 | 540.2 | 549.1 | 549.1 |
| 125°   | 239.1 | 286.4 | 327.7 | 366.1 | 404.4 | 434.0 | 460.5 | 481.2 | 498.9 | 504.8 | 504.8 |
| 127.5° | 215.5 | 259.8 | 298.2 | 333.6 | 366.1 | 395.6 | 422.2 | 442.8 | 457.6 | 463.5 | 463.5 |
| 130°   | 194.8 | 233.2 | 268.6 | 304.1 | 336.5 | 360.2 | 386.7 | 404.4 | 413.3 | 422.2 | 425.1 |
| 132.5° | 174.2 | 209.6 | 242.1 | 271.6 | 304.1 | 327.7 | 348.4 | 366.1 | 374.9 | 383.8 | 386.7 |
| 135°   | 153.5 | 186.0 | 215.5 | 245.0 | 271.6 | 295.2 | 312.9 | 327.7 | 339.5 | 345.4 | 348.4 |
| 137.5° | 129.9 | 165.3 | 191.9 | 215.5 | 245.0 | 262.7 | 283.4 | 292.3 | 304.1 | 310.0 | 310.0 |
| 140°   | 109.2 | 135.8 | 165.3 | 188.9 | 212.6 | 230.3 | 248.0 | 262.7 | 271.6 | 274.6 | 274.6 |
| 142.5° | 88.6  | 112.2 | 135.8 | 165.3 | 186.0 | 200.7 | 218.5 | 230.3 | 236.2 | 239.1 | 242.1 |
| 145°   | 70.9  | 88.6  | 109.2 | 135.8 | 159.4 | 177.1 | 186.0 | 197.8 | 203.7 | 206.7 | 209.6 |
| 147.5° | 53.1  | 70.9  | 88.6  | 106.3 | 129.9 | 147.6 | 156.5 | 168.3 | 174.2 | 177.1 | 177.1 |
| 150°   | 41.3  | 53.1  | 64.9  | 82.7  | 100.4 | 121.0 | 132.8 | 141.7 | 144.7 | 147.6 | 147.6 |
| 152.5° | 29.5  | 41.3  | 50.2  | 62.0  | 73.8  | 91.5  | 109.2 | 115.1 | 118.1 | 121.0 | 121.0 |
| 155°   | 20.7  | 29.5  | 35.4  | 44.3  | 53.1  | 67.9  | 82.7  | 91.5  | 94.5  | 97.4  | 97.4  |
| 157.5° | 14.8  | 20.7  | 23.6  | 32.5  | 38.4  | 44.3  | 56.1  | 70.9  | 73.8  | 73.8  | 73.8  |
| 160°   | 8.9   | 11.8  | 14.8  | 20.7  | 23.6  | 29.5  | 35.4  | 44.3  | 53.1  | 53.1  | 53.1  |
| 162.5° | 5.9   | 8.9   | 8.9   | 11.8  | 11.8  | 17.7  | 20.7  | 23.6  | 32.5  | 35.4  | 35.4  |
| 165°   | 3.0   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   | 8.9   | 8.9   | 14.8  | 17.7  | 17.7  |
| 167.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 172.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 |
| 2.5°   | 2792.7 | 2798.6 | 2795.7 | 2795.7 | 2795.7 | 2801.6 | 2795.7 | 2769.1 | 2775.0 | 2780.9 | 2786.8 |
| 5°     | 2789.8 | 2792.7 | 2792.7 | 2789.8 | 2789.8 | 2795.7 | 2789.8 | 2763.2 | 2769.1 | 2775.0 | 2778.0 |
| 7.5°   | 2778.0 | 2780.9 | 2780.9 | 2780.9 | 2778.0 | 2783.9 | 2775.0 | 2751.4 | 2751.4 | 2757.3 | 2760.3 |
| 10°    | 2763.2 | 2769.1 | 2766.2 | 2763.2 | 2763.2 | 2763.2 | 2757.3 | 2730.7 | 2730.7 | 2733.7 | 2736.6 |
| 12.5°  | 2745.5 | 2745.5 | 2745.5 | 2742.6 | 2739.6 | 2739.6 | 2733.7 | 2707.1 | 2704.2 | 2710.1 | 2707.1 |
| 15°    | 2721.9 | 2727.8 | 2721.9 | 2718.9 | 2713.0 | 2713.0 | 2704.2 | 2677.6 | 2671.7 | 2674.7 | 2671.7 |
| 17.5°  | 2701.2 | 2704.2 | 2698.3 | 2692.4 | 2686.5 | 2683.5 | 2674.7 | 2645.1 | 2636.3 | 2639.2 | 2633.3 |
| 20°    | 2680.6 | 2680.6 | 2674.7 | 2668.8 | 2659.9 | 2651.0 | 2639.2 | 2609.7 | 2594.9 | 2594.9 | 2583.1 |
| 22.5°  | 2654.0 | 2654.0 | 2648.1 | 2639.2 | 2630.4 | 2618.6 | 2606.8 | 2577.2 | 2553.6 | 2547.7 | 2538.9 |
| 25°    | 2624.5 | 2621.5 | 2618.6 | 2609.7 | 2592.0 | 2580.2 | 2568.4 | 2535.9 | 2509.3 | 2497.5 | 2482.8 |
| 27.5°  | 2589.0 | 2589.0 | 2580.2 | 2571.3 | 2553.6 | 2538.9 | 2524.1 | 2494.6 | 2459.1 | 2444.4 | 2423.7 |
| 30°    | 2550.7 | 2550.7 | 2541.8 | 2530.0 | 2512.3 | 2494.6 | 2476.9 | 2441.4 | 2406.0 | 2385.3 | 2361.7 |
| 32.5°  | 2512.3 | 2509.3 | 2500.5 | 2488.7 | 2471.0 | 2444.4 | 2429.6 | 2394.2 | 2352.9 | 2329.3 | 2296.8 |
| 35°    | 2465.1 | 2462.1 | 2453.2 | 2438.5 | 2414.9 | 2394.2 | 2370.6 | 2338.1 | 2290.9 | 2261.4 | 2225.9 |
| 37.5°  | 2417.8 | 2414.9 | 2409.0 | 2388.3 | 2364.7 | 2341.1 | 2311.5 | 2279.1 | 2234.8 | 2196.4 | 2161.0 |
| 40°    | 2370.6 | 2367.6 | 2355.8 | 2341.1 | 2311.5 | 2282.0 | 2252.5 | 2220.0 | 2172.8 | 2128.5 | 2090.1 |
| 42.5°  | 2320.4 | 2317.4 | 2302.7 | 2285.0 | 2252.5 | 2223.0 | 2187.5 | 2152.1 | 2104.9 | 2051.7 | 2013.4 |
| 45°    | 2270.2 | 2264.3 | 2249.5 | 2228.9 | 2193.5 | 2161.0 | 2125.6 | 2084.2 | 2037.0 | 1986.8 | 1936.6 |
| 47.5°  | 2217.1 | 2208.2 | 2193.5 | 2163.9 | 2134.4 | 2099.0 | 2057.7 | 2013.4 | 1966.1 | 1910.0 | 1856.9 |
| 50°    | 2158.0 | 2152.1 | 2134.4 | 2107.8 | 2072.4 | 2037.0 | 1989.8 | 1945.5 | 1889.4 | 1836.2 | 1771.3 |
| 52.5°  | 2101.9 | 2090.1 | 2075.4 | 2045.8 | 2010.4 | 1972.0 | 1921.9 | 1868.7 | 1812.6 | 1762.4 | 1694.5 |
| 55°    | 2042.9 | 2037.0 | 2016.3 | 1992.7 | 1948.4 | 1904.1 | 1856.9 | 1800.8 | 1738.8 | 1679.8 | 1614.8 |
| 57.5°  | 1986.8 | 1975.0 | 1957.3 | 1924.8 | 1886.4 | 1842.1 | 1792.0 | 1732.9 | 1665.0 | 1603.0 | 1532.2 |
| 60°    | 1930.7 | 1913.0 | 1892.3 | 1862.8 | 1821.5 | 1774.2 | 1721.1 | 1659.1 | 1591.2 | 1523.3 | 1449.5 |
| 62.5°  | 1868.7 | 1854.0 | 1830.3 | 1800.8 | 1759.5 | 1709.3 | 1653.2 | 1588.3 | 1523.3 | 1452.5 | 1372.8 |
| 65°    | 1806.7 | 1792.0 | 1768.3 | 1738.8 | 1697.5 | 1641.4 | 1582.4 | 1517.4 | 1443.6 | 1375.7 | 1290.1 |
| 67.5°  | 1744.7 | 1730.0 | 1703.4 | 1670.9 | 1629.6 | 1576.5 | 1514.5 | 1446.6 | 1372.8 | 1298.9 | 1210.4 |
| 70°    | 1682.7 | 1665.0 | 1641.4 | 1606.0 | 1564.6 | 1508.6 | 1446.6 | 1375.7 | 1301.9 | 1222.2 | 1133.6 |
| 72.5°  | 1620.7 | 1606.0 | 1576.5 | 1544.0 | 1499.7 | 1443.6 | 1381.6 | 1310.8 | 1234.0 | 1151.3 | 1062.8 |
| 75°    | 1558.7 | 1541.0 | 1520.4 | 1482.0 | 1434.7 | 1381.6 | 1316.7 | 1245.8 | 1163.1 | 1083.4 | 991.9  |
| 77.5°  | 1496.7 | 1482.0 | 1455.4 | 1417.0 | 1372.8 | 1316.7 | 1251.7 | 1180.9 | 1098.2 | 1015.5 | 918.1  |
| 80°    | 1434.7 | 1417.0 | 1396.4 | 1360.9 | 1310.8 | 1254.7 | 1186.8 | 1115.9 | 1033.3 | 947.6  | 850.2  |
| 82.5°  | 1372.8 | 1355.0 | 1331.4 | 1296.0 | 1248.8 | 1192.7 | 1127.7 | 1051.0 | 968.3  | 879.7  | 788.2  |
| 85°    | 1310.8 | 1296.0 | 1269.4 | 1234.0 | 1183.8 | 1127.7 | 1062.8 | 994.9  | 906.3  | 817.7  | 726.2  |
| 87.5°  | 1248.8 | 1234.0 | 1207.4 | 1172.0 | 1124.8 | 1068.7 | 1003.7 | 932.9  | 847.3  | 764.6  | 664.2  |
| 90°    | 1189.7 | 1177.9 | 1151.3 | 1115.9 | 1068.7 | 1012.6 | 953.5  | 876.8  | 794.1  | 711.5  | 617.0  |
| 92.5°  | 1136.6 | 1124.8 | 1101.2 | 1065.7 | 1024.4 | 962.4  | 903.4  | 829.6  | 746.9  | 661.3  | 569.8  |
| 95°    | 1089.3 | 1074.6 | 1051.0 | 1018.5 | 968.3  | 915.2  | 856.1  | 782.3  | 702.6  | 617.0  | 528.4  |
| 97.5°  | 1036.2 | 1021.4 | 997.8  | 962.4  | 921.1  | 865.0  | 805.9  | 735.1  | 655.4  | 575.7  | 487.1  |
| 100°   | 983.1  | 968.3  | 941.7  | 912.2  | 870.9  | 814.8  | 758.7  | 687.9  | 614.0  | 537.3  | 451.7  |
| 102.5° | 929.9  | 915.2  | 891.6  | 862.0  | 820.7  | 770.5  | 714.4  | 646.5  | 572.7  | 496.0  | 416.3  |
| 105°   | 879.7  | 865.0  | 841.4  | 811.8  | 773.5  | 723.3  | 664.2  | 605.2  | 534.3  | 460.5  | 383.8  |
| 107.5° | 829.6  | 814.8  | 794.1  | 764.6  | 726.2  | 679.0  | 622.9  | 560.9  | 496.0  | 425.1  | 351.3  |
| 110°   | 779.4  | 767.6  | 743.9  | 717.4  | 679.0  | 631.8  | 581.6  | 522.5  | 457.6  | 392.6  | 321.8  |





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 732.1 | 720.3 | 696.7 | 667.2 | 634.7 | 590.4 | 540.2 | 484.2 | 422.2 | 360.2 | 292.3 |
| 115°   | 684.9 | 670.1 | 649.5 | 622.9 | 590.4 | 549.1 | 501.9 | 451.7 | 389.7 | 330.6 | 268.6 |
| 117.5° | 637.7 | 625.9 | 605.2 | 578.6 | 549.1 | 507.8 | 463.5 | 416.3 | 357.2 | 301.1 | 245.0 |
| 120°   | 590.4 | 581.6 | 560.9 | 537.3 | 507.8 | 469.4 | 428.1 | 380.8 | 327.7 | 274.6 | 221.4 |
| 122.5° | 546.1 | 537.3 | 516.6 | 496.0 | 466.4 | 431.0 | 392.6 | 348.4 | 301.1 | 250.9 | 203.7 |
| 125°   | 504.8 | 493.0 | 475.3 | 454.6 | 428.1 | 395.6 | 357.2 | 315.9 | 271.6 | 227.3 | 183.0 |
| 127.5° | 460.5 | 451.7 | 439.9 | 416.3 | 389.7 | 360.2 | 324.7 | 289.3 | 248.0 | 206.7 | 165.3 |
| 130°   | 425.1 | 413.3 | 398.5 | 380.8 | 357.2 | 327.7 | 295.2 | 259.8 | 224.4 | 186.0 | 144.7 |
| 132.5° | 383.8 | 372.0 | 360.2 | 342.5 | 321.8 | 295.2 | 265.7 | 233.2 | 200.7 | 165.3 | 129.9 |
| 135°   | 345.4 | 336.5 | 324.7 | 307.0 | 286.4 | 265.7 | 236.2 | 206.7 | 177.1 | 144.7 | 115.1 |
| 137.5° | 310.0 | 301.1 | 289.3 | 277.5 | 256.8 | 236.2 | 209.6 | 183.0 | 156.5 | 126.9 | 100.4 |
| 140°   | 274.6 | 268.6 | 256.8 | 245.0 | 227.3 | 206.7 | 183.0 | 159.4 | 135.8 | 109.2 | 85.6  |
| 142.5° | 239.1 | 233.2 | 224.4 | 212.6 | 197.8 | 180.1 | 159.4 | 138.8 | 115.1 | 94.5  | 73.8  |
| 145°   | 206.7 | 203.7 | 194.8 | 183.0 | 171.2 | 153.5 | 135.8 | 118.1 | 97.4  | 79.7  | 59.0  |
| 147.5° | 174.2 | 171.2 | 165.3 | 156.5 | 144.7 | 129.9 | 115.1 | 97.4  | 82.7  | 64.9  | 47.2  |
| 150°   | 144.7 | 141.7 | 138.8 | 126.9 | 121.0 | 106.3 | 94.5  | 79.7  | 67.9  | 50.2  | 38.4  |
| 152.5° | 118.1 | 118.1 | 112.2 | 103.3 | 97.4  | 85.6  | 76.8  | 64.9  | 53.1  | 41.3  | 29.5  |
| 155°   | 94.5  | 91.5  | 88.6  | 82.7  | 76.8  | 67.9  | 59.0  | 50.2  | 41.3  | 29.5  | 20.7  |
| 157.5° | 73.8  | 70.9  | 67.9  | 62.0  | 56.1  | 53.1  | 44.3  | 35.4  | 26.6  | 20.7  | 14.8  |
| 160°   | 53.1  | 50.2  | 47.2  | 44.3  | 41.3  | 35.4  | 29.5  | 23.6  | 17.7  | 11.8  | 8.9   |
| 162.5° | 35.4  | 32.5  | 32.5  | 29.5  | 26.6  | 20.7  | 17.7  | 14.8  | 11.8  | 8.9   | 5.9   |
| 165°   | 17.7  | 17.7  | 14.8  | 14.8  | 11.8  | 8.9   | 8.9   | 8.9   | 5.9   | 5.9   | 3.0   |
| 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-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 | 2798.6 |
| 2.5°   | 2783.9 | 2783.9 | 2795.7 | 2792.7 | 2783.9 | 2801.6 | 2822.3 |
| 5°     | 2775.0 | 2775.0 | 2783.9 | 2783.9 | 2775.0 | 2792.7 | 2810.5 |
| 7.5°   | 2760.3 | 2757.3 | 2766.2 | 2766.2 | 2754.4 | 2769.1 | 2789.8 |
| 10°    | 2733.7 | 2730.7 | 2739.6 | 2739.6 | 2727.8 | 2742.6 | 2760.3 |
| 12.5°  | 2704.2 | 2698.3 | 2707.1 | 2704.2 | 2692.4 | 2707.1 | 2724.8 |
| 15°    | 2665.8 | 2662.8 | 2668.8 | 2662.8 | 2651.0 | 2665.8 | 2683.5 |
| 17.5°  | 2627.4 | 2618.6 | 2621.5 | 2621.5 | 2600.9 | 2615.6 | 2630.4 |
| 20°    | 2577.2 | 2565.4 | 2568.4 | 2565.4 | 2550.7 | 2559.5 | 2577.2 |
| 22.5°  | 2527.0 | 2509.3 | 2509.3 | 2506.4 | 2488.7 | 2500.5 | 2515.2 |
| 25°    | 2465.1 | 2444.4 | 2444.4 | 2441.4 | 2420.8 | 2429.6 | 2444.4 |
| 27.5°  | 2403.1 | 2382.4 | 2373.5 | 2370.6 | 2349.9 | 2349.9 | 2370.6 |
| 30°    | 2338.1 | 2308.6 | 2302.7 | 2293.8 | 2273.2 | 2273.2 | 2290.9 |
| 32.5°  | 2276.1 | 2234.8 | 2223.0 | 2211.2 | 2190.5 | 2187.5 | 2208.2 |
| 35°    | 2193.5 | 2161.0 | 2140.3 | 2128.5 | 2104.9 | 2099.0 | 2116.7 |
| 37.5°  | 2125.6 | 2084.2 | 2054.7 | 2039.9 | 2016.3 | 2007.5 | 2031.1 |
| 40°    | 2051.7 | 2007.5 | 1969.1 | 1960.2 | 1924.8 | 1913.0 | 1933.7 |
| 42.5°  | 1969.1 | 1921.9 | 1883.5 | 1865.8 | 1839.2 | 1827.4 | 1830.3 |
| 45°    | 1886.4 | 1836.2 | 1794.9 | 1771.3 | 1744.7 | 1724.1 | 1735.9 |
| 47.5°  | 1800.8 | 1756.5 | 1706.3 | 1670.9 | 1638.4 | 1623.7 | 1629.6 |
| 50°    | 1715.2 | 1662.1 | 1614.8 | 1576.5 | 1538.1 | 1520.4 | 1532.2 |
| 52.5°  | 1629.6 | 1573.5 | 1520.4 | 1479.0 | 1434.7 | 1417.0 | 1420.0 |
| 55°    | 1546.9 | 1487.9 | 1425.9 | 1381.6 | 1340.3 | 1313.7 | 1307.8 |
| 57.5°  | 1464.3 | 1399.3 | 1334.4 | 1284.2 | 1231.0 | 1207.4 | 1198.6 |
| 60°    | 1375.7 | 1307.8 | 1239.9 | 1180.9 | 1124.8 | 1098.2 | 1086.4 |
| 62.5°  | 1293.0 | 1219.2 | 1142.5 | 1080.5 | 1024.4 | 989.0  | 980.1  |
| 65°    | 1213.3 | 1127.7 | 1051.0 | 980.1  | 918.1  | 879.7  | 867.9  |
| 67.5°  | 1127.7 | 1039.2 | 956.5  | 879.7  | 820.7  | 770.5  | 764.6  |
| 70°    | 1048.0 | 953.5  | 862.0  | 782.3  | 717.4  | 667.2  | 643.6  |
| 72.5°  | 968.3  | 870.9  | 776.4  | 690.8  | 608.1  | 560.9  | 543.2  |
| 75°    | 891.6  | 791.2  | 690.8  | 602.2  | 510.7  | 454.6  | 436.9  |
| 77.5°  | 820.7  | 717.4  | 611.1  | 513.7  | 428.1  | 357.2  | 333.6  |
| 80°    | 752.8  | 646.5  | 534.3  | 434.0  | 342.5  | 265.7  | 239.1  |
| 82.5°  | 681.9  | 581.6  | 466.4  | 360.2  | 265.7  | 186.0  | 153.5  |
| 85°    | 620.0  | 519.6  | 404.4  | 298.2  | 203.7  | 118.1  | 82.7   |
| 87.5°  | 569.8  | 460.5  | 357.2  | 250.9  | 153.5  | 67.9   | 23.6   |
| 90°    | 519.6  | 413.3  | 310.0  | 206.7  | 115.1  | 38.4   | 3.0    |
| 92.5°  | 475.3  | 374.9  | 271.6  | 177.1  | 88.6   | 26.6   | 3.0    |
| 95°    | 434.0  | 336.5  | 239.1  | 147.6  | 70.9   | 17.7   | 3.0    |
| 97.5°  | 395.6  | 304.1  | 212.6  | 126.9  | 59.0   | 14.8   | 3.0    |
| 100°   | 363.1  | 274.6  | 188.9  | 112.2  | 50.2   | 11.8   | 3.0    |
| 102.5° | 330.6  | 248.0  | 168.3  | 97.4   | 44.3   | 8.9    | 3.0    |
| 105°   | 304.1  | 224.4  | 150.6  | 88.6   | 38.4   | 8.9    | 3.0    |
| 107.5° | 277.5  | 203.7  | 135.8  | 76.8   | 32.5   | 5.9    | 3.0    |
| 110°   | 250.9  | 186.0  | 121.0  | 67.9   | 29.5   | 5.9    | 3.0    |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-170HL-LW-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335°  | 340°  | 345° | 350° | 355° | 360° |
|--------|-------|-------|-------|------|------|------|------|
| 112.5° | 230.3 | 168.3 | 109.2 | 62.0 | 23.6 | 5.9  | 3.0  |
| 115°   | 209.6 | 150.6 | 97.4  | 53.1 | 20.7 | 3.0  | 3.0  |
| 117.5° | 188.9 | 135.8 | 85.6  | 47.2 | 17.7 | 3.0  | 3.0  |
| 120°   | 171.2 | 121.0 | 76.8  | 41.3 | 14.8 | 3.0  | 3.0  |
| 122.5° | 153.5 | 109.2 | 67.9  | 35.4 | 11.8 | 3.0  | 3.0  |
| 125°   | 138.8 | 97.4  | 59.0  | 29.5 | 8.9  | 3.0  | 3.0  |
| 127.5° | 124.0 | 85.6  | 53.1  | 26.6 | 8.9  | 3.0  | 3.0  |
| 130°   | 109.2 | 76.8  | 44.3  | 20.7 | 5.9  | 3.0  | 3.0  |
| 132.5° | 97.4  | 64.9  | 38.4  | 17.7 | 5.9  | 3.0  | 3.0  |
| 135°   | 85.6  | 56.1  | 32.5  | 11.8 | 5.9  | 3.0  | 3.0  |
| 137.5° | 73.8  | 47.2  | 26.6  | 8.9  | 3.0  | 3.0  | 3.0  |
| 140°   | 62.0  | 41.3  | 20.7  | 8.9  | 3.0  | 3.0  | 3.0  |
| 142.5° | 53.1  | 32.5  | 14.8  | 5.9  | 3.0  | 3.0  | 3.0  |
| 145°   | 41.3  | 26.6  | 11.8  | 5.9  | 3.0  | 3.0  | 3.0  |
| 147.5° | 32.5  | 20.7  | 8.9   | 5.9  | 3.0  | 3.0  | 3.0  |
| 150°   | 23.6  | 14.8  | 8.9   | 3.0  | 3.0  | 3.0  | 3.0  |
| 152.5° | 17.7  | 11.8  | 5.9   | 3.0  | 3.0  | 3.0  | 3.0  |
| 155°   | 11.8  | 8.9   | 5.9   | 3.0  | 3.0  | 3.0  | 3.0  |
| 157.5° | 8.9   | 5.9   | 3.0   | 3.0  | 3.0  | 3.0  | 3.0  |
| 160°   | 5.9   | 3.0   | 3.0   | 3.0  | 3.0  | 3.0  | 3.0  |
| 162.5° | 3.0   | 3.0   | 3.0   | 3.0  | 3.0  | 3.0  | 3.0  |
| 165°   | 3.0   | 3.0   | 3.0   | 3.0  | 3.0  | 3.0  | 3.0  |
| 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)