

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-LD5-67SL-LW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33520)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
WIDE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

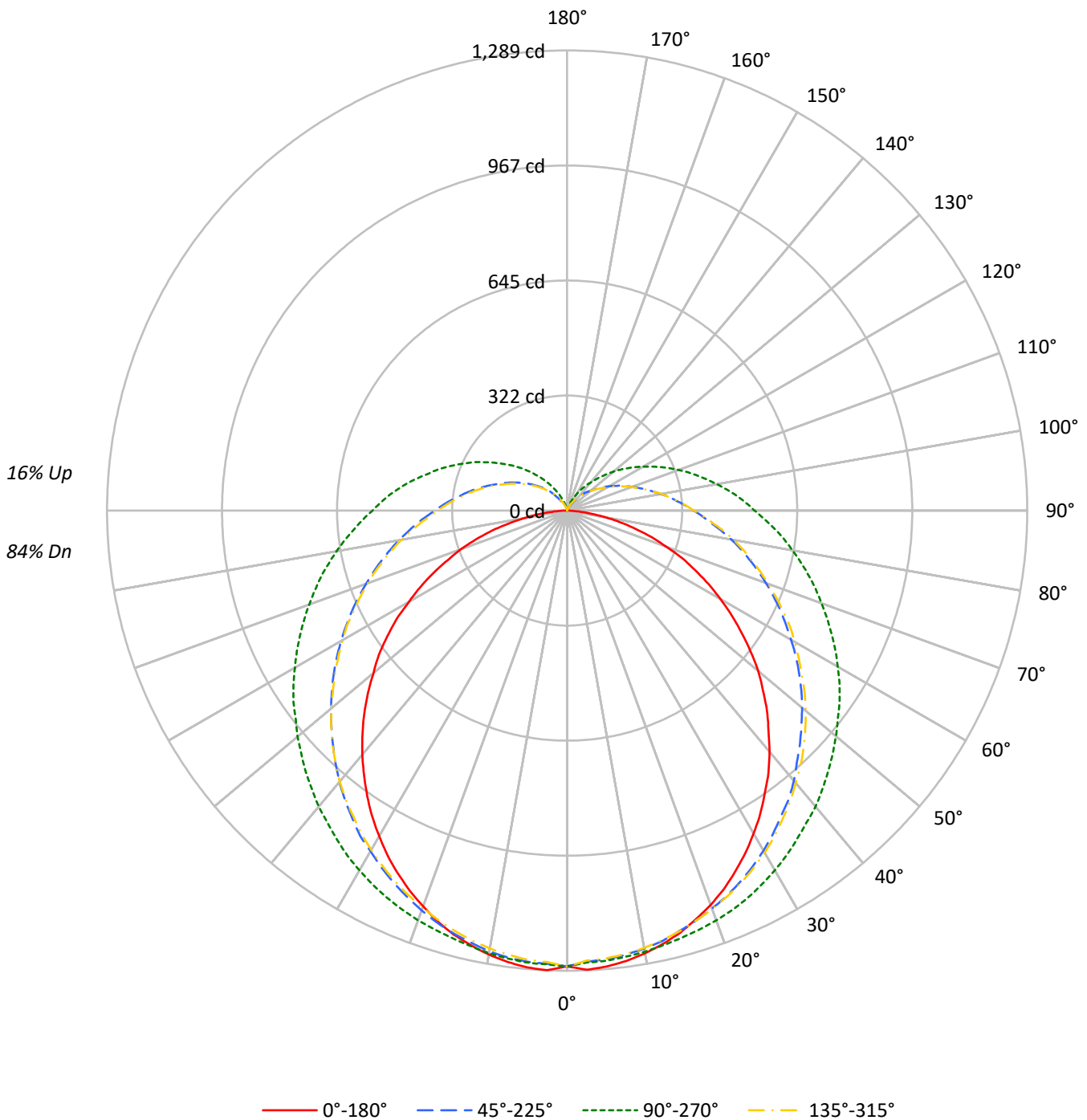
Lumens per Lamp: N/A  
Luminaire Lumens: 5546.0 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.36 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 55  
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-LD5-67SL-LW-UNV-L930-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |    | 20 |    |    |    | 20 |    |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |    | 30 |    |    |    | 10 | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 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°  | 5158 | 5158 | 5158 | 5158 |
| 5°  | 5192 | 4971 | 5203 | 4992 |
| 10° | 5151 | 4829 | 5168 | 4845 |
| 15° | 5099 | 4708 | 5121 | 4714 |
| 20° | 5026 | 4620 | 5043 | 4620 |
| 25° | 4935 | 4542 | 4965 | 4537 |
| 30° | 4831 | 4461 | 4869 | 4461 |
| 35° | 4711 | 4386 | 4763 | 4392 |
| 40° | 4592 | 4342 | 4648 | 4342 |
| 45° | 4455 | 4296 | 4523 | 4302 |
| 50° | 4313 | 4269 | 4371 | 4281 |
| 55° | 4110 | 4273 | 4241 | 4292 |
| 60° | 3899 | 4286 | 4026 | 4312 |
| 65° | 3662 | 4330 | 3824 | 4372 |
| 70° | 3325 | 4409 | 3584 | 4472 |
| 75° | 2940 | 4553 | 3217 | 4641 |
| 80° | 2332 | 4767 | 2648 | 4877 |
| 85° | 1483 | 5110 | 1853 | 5251 |



TEST NUMBER: P#

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.9  | 2.2       |
| 10°-20°   | 347.5  | 6.3       |
| 20°-30°   | 532.9  | 9.6       |
| 30°-40°   | 657.4  | 11.9      |
| 40°-50°   | 713.2  | 12.9      |
| 50°-60°   | 702.9  | 12.7      |
| 60°-70°   | 635.6  | 11.5      |
| 70°-80°   | 529.5  | 9.5       |
| 80°-90°   | 410.1  | 7.4       |
| 90°-100°  | 311.0  | 5.6       |
| 100°-110° | 230.2  | 4.1       |
| 110°-120° | 160.1  | 2.9       |
| 120°-130° | 102.1  | 1.8       |
| 130°-140° | 57.3   | 1.0       |
| 140°-150° | 26.2   | 0.5       |
| 150°-160° | 8.1    | 0.1       |
| 160°-170° | 1.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 1001.3 | 18.1      |
| 0°-40°    | 1658.7 | 29.9      |
| 0°-60°    | 3074.8 | 55.4      |
| 0°-90°    | 4650.0 | 83.8      |
| 90°-120°  | 701.3  | 12.6      |
| 90°-150°  | 886.9  | 16.0      |
| 90°-180°  | 896.0  | 16.2      |
| 0°-180°   | 5546.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1276 | 1276 | 1276 | 1276 | 1276 |      |
| 5°   | 1282 | 1266 | 1285 | 1271 | 1282 | 122  |
| 15°  | 1224 | 1239 | 1229 | 1240 | 1224 | 345  |
| 25°  | 1115 | 1197 | 1122 | 1196 | 1115 | 514  |
| 35°  | 966  | 1123 | 976  | 1124 | 966  | 605  |
| 45°  | 792  | 1034 | 804  | 1036 | 792  | 610  |
| 55°  | 596  | 932  | 615  | 936  | 596  | 534  |
| 65°  | 396  | 817  | 413  | 825  | 396  | 392  |
| 75°  | 199  | 700  | 218  | 714  | 199  | 211  |
| 85°  | 38   | 583  | 47   | 599  | 38   | 46   |
| 90°  | 1    | 525  | 3    | 545  | 1    | 2    |
| 95°  | 1    | 477  | 1    | 500  | 1    | 1    |
| 105° | 1    | 378  | 1    | 401  | 1    | 1    |
| 115° | 1    | 288  | 1    | 314  | 1    | 1    |
| 125° | 1    | 207  | 1    | 230  | 1    | 1    |
| 135° | 1    | 135  | 1    | 159  | 1    | 1    |
| 145° | 1    | 78   | 1    | 96   | 1    | 1    |
| 155° | 1    | 32   | 1    | 44   | 1    | 1    |
| 165° | 1    | 5    | 1    | 8    | 1    | 0    |
| 175° | 0    | 0    | 0    | 0    | 0    | 0    |
| 180° | 0    | 0    | 0    | 0    | 0    | 0    |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°   | 1287.3 | 1287.3 | 1286.0 | 1283.3 | 1284.6 | 1288.6 | 1286.0 | 1279.2 | 1275.2 | 1264.4 | 1267.1 |
| 5°     | 1281.9 | 1281.9 | 1280.6 | 1277.9 | 1279.2 | 1284.6 | 1281.9 | 1276.5 | 1271.1 | 1261.7 | 1265.8 |
| 7.5°   | 1272.5 | 1272.5 | 1271.1 | 1268.4 | 1271.1 | 1276.5 | 1273.8 | 1268.4 | 1264.4 | 1255.0 | 1259.0 |
| 10°    | 1259.0 | 1260.4 | 1259.0 | 1255.0 | 1260.4 | 1265.8 | 1264.4 | 1257.7 | 1253.6 | 1245.6 | 1249.6 |
| 12.5°  | 1242.9 | 1244.2 | 1242.9 | 1241.5 | 1244.2 | 1252.3 | 1249.6 | 1244.2 | 1241.5 | 1234.8 | 1238.8 |
| 15°    | 1224.0 | 1225.4 | 1222.7 | 1222.7 | 1225.4 | 1233.4 | 1233.4 | 1228.1 | 1225.4 | 1218.6 | 1226.7 |
| 17.5°  | 1199.8 | 1201.1 | 1199.8 | 1199.8 | 1202.5 | 1210.5 | 1211.9 | 1209.2 | 1206.5 | 1203.8 | 1211.9 |
| 20°    | 1175.5 | 1174.2 | 1174.2 | 1172.8 | 1178.2 | 1190.3 | 1189.0 | 1189.0 | 1186.3 | 1186.3 | 1195.7 |
| 22.5°  | 1147.3 | 1147.3 | 1145.9 | 1145.9 | 1152.6 | 1163.4 | 1163.4 | 1166.1 | 1163.4 | 1168.8 | 1176.9 |
| 25°    | 1114.9 | 1116.3 | 1114.9 | 1117.6 | 1123.0 | 1135.1 | 1136.5 | 1140.5 | 1141.9 | 1147.3 | 1156.7 |
| 27.5°  | 1081.3 | 1082.6 | 1081.3 | 1084.0 | 1093.4 | 1102.8 | 1109.6 | 1114.9 | 1116.3 | 1124.4 | 1136.5 |
| 30°    | 1044.9 | 1044.9 | 1046.3 | 1049.0 | 1059.7 | 1074.5 | 1079.9 | 1086.7 | 1086.7 | 1100.1 | 1112.2 |
| 32.5°  | 1007.2 | 1007.2 | 1007.2 | 1012.6 | 1024.7 | 1042.2 | 1049.0 | 1057.0 | 1059.7 | 1073.2 | 1086.7 |
| 35°    | 965.5  | 966.8  | 966.8  | 970.9  | 987.0  | 1004.5 | 1013.9 | 1023.4 | 1028.8 | 1044.9 | 1058.4 |
| 37.5°  | 926.4  | 929.1  | 925.1  | 930.5  | 953.4  | 968.2  | 978.9  | 988.4  | 997.8  | 1019.3 | 1030.1 |
| 40°    | 882.0  | 884.7  | 883.3  | 894.1  | 913.0  | 931.8  | 943.9  | 953.4  | 966.8  | 988.4  | 1000.5 |
| 42.5°  | 834.9  | 837.6  | 840.2  | 852.4  | 872.6  | 891.4  | 906.2  | 918.3  | 934.5  | 953.4  | 973.6  |
| 45°    | 791.8  | 791.8  | 795.8  | 810.6  | 832.2  | 852.4  | 869.9  | 883.3  | 902.2  | 922.4  | 942.6  |
| 47.5°  | 743.3  | 744.6  | 750.0  | 767.5  | 790.4  | 814.7  | 830.8  | 848.3  | 868.5  | 890.1  | 913.0  |
| 50°    | 698.9  | 698.9  | 706.9  | 725.8  | 747.3  | 774.3  | 791.8  | 812.0  | 833.5  | 859.1  | 882.0  |
| 52.5°  | 647.7  | 650.4  | 662.5  | 680.0  | 708.3  | 732.5  | 752.7  | 774.3  | 799.8  | 826.8  | 852.4  |
| 55°    | 596.5  | 601.9  | 611.3  | 635.6  | 665.2  | 688.1  | 712.3  | 739.3  | 763.5  | 793.1  | 822.7  |
| 57.5°  | 546.7  | 550.7  | 565.5  | 589.8  | 620.8  | 649.0  | 674.6  | 700.2  | 729.8  | 759.5  | 790.4  |
| 60°    | 495.5  | 500.9  | 518.4  | 542.7  | 576.3  | 605.9  | 635.6  | 662.5  | 693.5  | 724.4  | 756.8  |
| 62.5°  | 447.1  | 451.1  | 471.3  | 499.6  | 533.2  | 565.5  | 595.2  | 627.5  | 661.2  | 690.8  | 723.1  |
| 65°    | 395.9  | 402.6  | 425.5  | 451.1  | 490.1  | 522.5  | 556.1  | 591.1  | 626.1  | 658.5  | 689.4  |
| 67.5°  | 348.8  | 352.8  | 377.0  | 406.7  | 445.7  | 482.1  | 517.1  | 554.8  | 591.1  | 624.8  | 655.8  |
| 70°    | 293.5  | 307.0  | 331.3  | 362.2  | 404.0  | 441.7  | 479.4  | 518.4  | 557.5  | 592.5  | 622.1  |
| 72.5°  | 247.8  | 258.5  | 285.5  | 319.1  | 359.5  | 404.0  | 443.0  | 484.8  | 523.8  | 560.2  | 591.1  |
| 75°    | 199.3  | 210.1  | 241.0  | 278.7  | 320.5  | 367.6  | 408.0  | 451.1  | 491.5  | 527.8  | 560.2  |
| 77.5°  | 152.2  | 165.6  | 199.3  | 238.3  | 284.1  | 332.6  | 374.3  | 417.4  | 459.2  | 498.2  | 530.5  |
| 80°    | 109.1  | 123.9  | 160.2  | 204.7  | 249.1  | 297.6  | 343.4  | 386.5  | 428.2  | 467.3  | 500.9  |
| 82.5°  | 70.0   | 86.2   | 125.2  | 169.7  | 216.8  | 265.3  | 312.4  | 355.5  | 397.2  | 436.3  | 471.3  |
| 85°    | 37.7   | 55.2   | 95.6   | 140.0  | 187.2  | 235.6  | 282.8  | 328.6  | 369.0  | 405.3  | 443.0  |
| 87.5°  | 10.8   | 32.3   | 71.4   | 115.8  | 164.3  | 208.7  | 254.5  | 300.3  | 340.7  | 379.7  | 413.4  |
| 90°    | 1.3    | 18.9   | 53.9   | 95.6   | 142.7  | 185.8  | 231.6  | 274.7  | 315.1  | 354.1  | 387.8  |
| 92.5°  | 1.3    | 12.1   | 41.7   | 79.4   | 122.5  | 167.0  | 212.8  | 254.5  | 292.2  | 331.3  | 364.9  |
| 95°    | 1.3    | 9.4    | 33.7   | 67.3   | 107.7  | 149.5  | 192.6  | 233.0  | 272.0  | 308.4  | 342.0  |
| 97.5°  | 1.3    | 6.7    | 26.9   | 57.9   | 94.3   | 133.3  | 175.1  | 215.4  | 253.2  | 288.2  | 319.1  |
| 100°   | 1.3    | 5.4    | 21.5   | 49.8   | 82.1   | 119.8  | 157.5  | 196.6  | 233.0  | 266.6  | 298.9  |
| 102.5° | 1.3    | 4.0    | 18.9   | 41.7   | 72.7   | 106.4  | 142.7  | 179.1  | 214.1  | 246.4  | 278.7  |
| 105°   | 1.3    | 4.0    | 16.2   | 36.4   | 64.6   | 95.6   | 129.3  | 164.3  | 196.6  | 227.6  | 257.2  |
| 107.5° | 1.3    | 2.7    | 13.5   | 31.0   | 56.6   | 86.2   | 117.1  | 150.8  | 180.4  | 210.1  | 238.3  |
| 110°   | 1.3    | 2.7    | 10.8   | 28.3   | 49.8   | 76.8   | 106.4  | 137.3  | 165.6  | 193.9  | 220.8  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15°  | 20°  | 25°  | 30°  | 35°   | 40°   | 45°   | 50°   |
|--------|-----|-----|-----|------|------|------|------|-------|-------|-------|-------|
| 112.5° | 1.3 | 2.7 | 9.4 | 24.2 | 43.1 | 68.7 | 95.6 | 123.9 | 150.8 | 179.1 | 203.3 |
| 115°   | 1.3 | 2.7 | 8.1 | 21.5 | 40.4 | 59.2 | 86.2 | 111.8 | 138.7 | 164.3 | 187.2 |
| 117.5° | 1.3 | 2.7 | 6.7 | 17.5 | 35.0 | 53.9 | 75.4 | 101.0 | 125.2 | 149.5 | 171.0 |
| 120°   | 1.3 | 2.7 | 5.4 | 16.2 | 31.0 | 48.5 | 67.3 | 90.2  | 113.1 | 136.0 | 158.9 |
| 122.5° | 1.3 | 1.3 | 5.4 | 13.5 | 26.9 | 43.1 | 61.9 | 79.4  | 101.0 | 122.5 | 142.7 |
| 125°   | 1.3 | 1.3 | 5.4 | 12.1 | 22.9 | 39.0 | 55.2 | 71.4  | 90.2  | 109.1 | 126.6 |
| 127.5° | 1.3 | 1.3 | 4.0 | 9.4  | 20.2 | 33.7 | 48.5 | 66.0  | 79.4  | 97.0  | 114.5 |
| 130°   | 1.3 | 1.3 | 4.0 | 8.1  | 17.5 | 28.3 | 43.1 | 57.9  | 74.1  | 86.2  | 101.0 |
| 132.5° | 1.3 | 1.3 | 4.0 | 6.7  | 13.5 | 22.9 | 36.4 | 49.8  | 64.6  | 78.1  | 90.2  |
| 135°   | 1.3 | 1.3 | 2.7 | 5.4  | 10.8 | 18.9 | 29.6 | 41.7  | 56.6  | 70.0  | 82.1  |
| 137.5° | 1.3 | 1.3 | 2.7 | 5.4  | 8.1  | 16.2 | 22.9 | 33.7  | 47.1  | 59.2  | 71.4  |
| 140°   | 1.3 | 1.3 | 2.7 | 4.0  | 6.7  | 12.1 | 18.9 | 26.9  | 37.7  | 48.5  | 61.9  |
| 142.5° | 1.3 | 1.3 | 1.3 | 4.0  | 5.4  | 9.4  | 14.8 | 21.5  | 29.6  | 39.0  | 49.8  |
| 145°   | 1.3 | 1.3 | 1.3 | 4.0  | 5.4  | 6.7  | 12.1 | 17.5  | 22.9  | 29.6  | 39.0  |
| 147.5° | 1.3 | 1.3 | 1.3 | 2.7  | 4.0  | 5.4  | 9.4  | 13.5  | 17.5  | 22.9  | 28.3  |
| 150°   | 1.3 | 1.3 | 1.3 | 2.7  | 4.0  | 5.4  | 6.7  | 9.4   | 13.5  | 18.9  | 22.9  |
| 152.5° | 1.3 | 1.3 | 1.3 | 2.7  | 2.7  | 4.0  | 5.4  | 6.7   | 9.4   | 13.5  | 16.2  |
| 155°   | 1.3 | 1.3 | 1.3 | 1.3  | 2.7  | 4.0  | 5.4  | 5.4   | 6.7   | 9.4   | 12.1  |
| 157.5° | 1.3 | 1.3 | 1.3 | 1.3  | 2.7  | 2.7  | 4.0  | 4.0   | 5.4   | 5.4   | 8.1   |
| 160°   | 1.3 | 1.3 | 1.3 | 1.3  | 1.3  | 2.7  | 2.7  | 4.0   | 4.0   | 4.0   | 4.0   |
| 162.5° | 1.3 | 1.3 | 1.3 | 1.3  | 1.3  | 1.3  | 2.7  | 2.7   | 2.7   | 4.0   | 4.0   |
| 165°   | 1.3 | 1.3 | 1.3 | 1.3  | 1.3  | 1.3  | 1.3  | 1.3   | 2.7   | 2.7   | 2.7   |
| 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-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°   | 1267.1 | 1268.4 | 1272.5 | 1272.5 | 1269.8 | 1269.8 | 1268.4 | 1267.1 | 1268.4 | 1271.1 | 1271.1 |
| 5°     | 1264.4 | 1265.8 | 1269.8 | 1271.1 | 1268.4 | 1267.1 | 1267.1 | 1265.8 | 1267.1 | 1269.8 | 1269.8 |
| 7.5°   | 1259.0 | 1260.4 | 1264.4 | 1265.8 | 1263.1 | 1263.1 | 1261.7 | 1260.4 | 1263.1 | 1264.4 | 1264.4 |
| 10°    | 1250.9 | 1252.3 | 1257.7 | 1259.0 | 1257.7 | 1256.3 | 1256.3 | 1255.0 | 1256.3 | 1259.0 | 1259.0 |
| 12.5°  | 1240.2 | 1242.9 | 1249.6 | 1249.6 | 1249.6 | 1248.2 | 1248.2 | 1246.9 | 1248.2 | 1250.9 | 1249.6 |
| 15°    | 1228.1 | 1233.4 | 1238.8 | 1241.5 | 1241.5 | 1241.5 | 1240.2 | 1238.8 | 1241.5 | 1242.9 | 1241.5 |
| 17.5°  | 1214.6 | 1221.3 | 1229.4 | 1232.1 | 1232.1 | 1233.4 | 1232.1 | 1230.7 | 1233.4 | 1233.4 | 1232.1 |
| 20°    | 1201.1 | 1207.9 | 1215.9 | 1218.6 | 1221.3 | 1222.7 | 1222.7 | 1221.3 | 1222.7 | 1224.0 | 1222.7 |
| 22.5°  | 1183.6 | 1191.7 | 1201.1 | 1205.2 | 1207.9 | 1210.5 | 1210.5 | 1210.5 | 1211.9 | 1213.2 | 1210.5 |
| 25°    | 1164.8 | 1174.2 | 1185.0 | 1189.0 | 1194.4 | 1195.7 | 1197.1 | 1197.1 | 1198.4 | 1199.8 | 1195.7 |
| 27.5°  | 1144.6 | 1155.3 | 1166.1 | 1172.8 | 1176.9 | 1179.6 | 1179.6 | 1180.9 | 1182.3 | 1183.6 | 1179.6 |
| 30°    | 1120.3 | 1136.5 | 1145.9 | 1151.3 | 1156.7 | 1160.7 | 1162.1 | 1163.4 | 1164.8 | 1166.1 | 1162.1 |
| 32.5°  | 1098.8 | 1112.2 | 1124.4 | 1131.1 | 1137.8 | 1143.2 | 1144.6 | 1144.6 | 1147.3 | 1147.3 | 1143.2 |
| 35°    | 1073.2 | 1089.4 | 1101.5 | 1108.2 | 1116.3 | 1120.3 | 1123.0 | 1123.0 | 1125.7 | 1125.7 | 1121.7 |
| 37.5°  | 1047.6 | 1063.8 | 1077.2 | 1085.3 | 1094.7 | 1100.1 | 1101.5 | 1101.5 | 1104.2 | 1104.2 | 1098.8 |
| 40°    | 1020.7 | 1038.2 | 1053.0 | 1062.4 | 1070.5 | 1077.2 | 1078.6 | 1082.6 | 1082.6 | 1081.3 | 1075.9 |
| 42.5°  | 993.8  | 1009.9 | 1026.1 | 1036.8 | 1047.6 | 1054.3 | 1057.0 | 1058.4 | 1058.4 | 1057.0 | 1053.0 |
| 45°    | 964.1  | 983.0  | 997.8  | 1011.3 | 1022.0 | 1028.8 | 1032.8 | 1034.1 | 1034.1 | 1031.5 | 1027.4 |
| 47.5°  | 935.9  | 954.7  | 969.5  | 984.3  | 995.1  | 1003.2 | 1007.2 | 1008.6 | 1007.2 | 1005.9 | 1001.8 |
| 50°    | 906.2  | 927.8  | 942.6  | 957.4  | 968.2  | 974.9  | 981.6  | 983.0  | 981.6  | 980.3  | 972.2  |
| 52.5°  | 875.3  | 898.1  | 914.3  | 929.1  | 941.2  | 949.3  | 954.7  | 956.0  | 956.0  | 953.4  | 948.0  |
| 55°    | 844.3  | 864.5  | 884.7  | 900.8  | 914.3  | 922.4  | 929.1  | 931.8  | 929.1  | 926.4  | 919.7  |
| 57.5°  | 816.0  | 834.9  | 855.1  | 872.6  | 886.0  | 896.8  | 902.2  | 904.9  | 902.2  | 898.1  | 891.4  |
| 60°    | 782.3  | 802.5  | 825.4  | 841.6  | 856.4  | 867.2  | 869.9  | 875.3  | 872.6  | 868.5  | 861.8  |
| 62.5°  | 750.0  | 774.3  | 794.5  | 814.7  | 826.8  | 838.9  | 844.3  | 847.0  | 844.3  | 840.2  | 833.5  |
| 65°    | 716.4  | 743.3  | 763.5  | 783.7  | 797.2  | 809.3  | 816.0  | 817.4  | 814.7  | 810.6  | 803.9  |
| 67.5°  | 685.4  | 711.0  | 732.5  | 754.1  | 766.2  | 778.3  | 785.0  | 787.7  | 785.0  | 779.7  | 772.9  |
| 70°    | 654.4  | 680.0  | 705.6  | 721.7  | 736.6  | 750.0  | 754.1  | 758.1  | 755.4  | 750.0  | 741.9  |
| 72.5°  | 623.5  | 650.4  | 676.0  | 692.1  | 708.3  | 720.4  | 725.8  | 729.8  | 727.1  | 721.7  | 712.3  |
| 75°    | 591.1  | 619.4  | 645.0  | 662.5  | 678.7  | 690.8  | 696.2  | 700.2  | 697.5  | 692.1  | 681.4  |
| 77.5°  | 561.5  | 589.8  | 614.0  | 632.9  | 649.0  | 659.8  | 669.2  | 670.6  | 667.9  | 662.5  | 651.7  |
| 80°    | 530.5  | 558.8  | 584.4  | 603.3  | 619.4  | 630.2  | 636.9  | 641.0  | 638.3  | 632.9  | 622.1  |
| 82.5°  | 503.6  | 529.2  | 554.8  | 573.6  | 589.8  | 603.3  | 608.6  | 612.7  | 611.3  | 603.3  | 595.2  |
| 85°    | 474.0  | 503.6  | 523.8  | 544.0  | 560.2  | 573.6  | 577.7  | 583.1  | 581.7  | 575.0  | 564.2  |
| 87.5°  | 444.4  | 474.0  | 498.2  | 518.4  | 533.2  | 544.0  | 550.7  | 553.4  | 552.1  | 545.4  | 533.2  |
| 90°    | 420.1  | 447.1  | 471.3  | 492.8  | 505.0  | 517.1  | 523.8  | 525.2  | 525.2  | 517.1  | 507.6  |
| 92.5°  | 397.2  | 422.8  | 447.1  | 467.3  | 482.1  | 492.8  | 498.2  | 500.9  | 499.6  | 492.8  | 482.1  |
| 95°    | 371.6  | 399.9  | 422.8  | 443.0  | 457.8  | 468.6  | 474.0  | 476.7  | 475.3  | 468.6  | 457.8  |
| 97.5°  | 350.1  | 375.7  | 398.6  | 417.4  | 432.2  | 443.0  | 448.4  | 451.1  | 451.1  | 444.4  | 433.6  |
| 100°   | 328.6  | 354.1  | 375.7  | 394.5  | 408.0  | 418.8  | 424.2  | 425.5  | 424.2  | 418.8  | 408.0  |
| 102.5° | 307.0  | 331.3  | 352.8  | 370.3  | 385.1  | 394.5  | 399.9  | 401.3  | 401.3  | 394.5  | 383.8  |
| 105°   | 285.5  | 309.7  | 329.9  | 348.8  | 360.9  | 370.3  | 374.3  | 378.4  | 377.0  | 371.6  | 360.9  |
| 107.5° | 265.3  | 289.5  | 308.4  | 325.9  | 338.0  | 347.4  | 351.4  | 355.5  | 354.1  | 348.8  | 338.0  |
| 110°   | 246.4  | 269.3  | 286.8  | 304.3  | 315.1  | 324.5  | 331.3  | 332.6  | 329.9  | 324.5  | 315.1  |





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 228.9 | 249.1 | 266.6 | 282.8 | 294.9 | 301.6 | 307.0 | 309.7 | 307.0 | 301.6 | 294.9 |
| 115°   | 210.1 | 230.3 | 247.8 | 262.6 | 273.3 | 281.4 | 285.5 | 288.2 | 285.5 | 280.1 | 273.3 |
| 117.5° | 192.6 | 211.4 | 228.9 | 243.7 | 253.2 | 259.9 | 263.9 | 266.6 | 263.9 | 259.9 | 253.2 |
| 120°   | 177.7 | 193.9 | 210.1 | 223.5 | 234.3 | 239.7 | 243.7 | 246.4 | 245.1 | 239.7 | 233.0 |
| 122.5° | 160.2 | 177.7 | 192.6 | 206.0 | 215.4 | 220.8 | 223.5 | 226.2 | 224.9 | 220.8 | 214.1 |
| 125°   | 145.4 | 160.2 | 175.1 | 187.2 | 196.6 | 202.0 | 204.7 | 207.4 | 206.0 | 202.0 | 193.9 |
| 127.5° | 129.3 | 145.4 | 157.5 | 169.7 | 176.4 | 184.5 | 185.8 | 188.5 | 187.2 | 183.1 | 176.4 |
| 130°   | 117.1 | 129.3 | 141.4 | 152.2 | 160.2 | 165.6 | 168.3 | 169.7 | 167.0 | 164.3 | 157.5 |
| 132.5° | 102.3 | 115.8 | 126.6 | 136.0 | 141.4 | 146.8 | 149.5 | 150.8 | 150.8 | 146.8 | 141.4 |
| 135°   | 91.6  | 101.0 | 110.4 | 119.8 | 125.2 | 130.6 | 133.3 | 134.7 | 133.3 | 130.6 | 125.2 |
| 137.5° | 82.1  | 90.2  | 97.0  | 105.0 | 111.8 | 114.5 | 117.1 | 117.1 | 115.8 | 114.5 | 110.4 |
| 140°   | 71.4  | 80.8  | 87.5  | 92.9  | 98.3  | 99.6  | 102.3 | 102.3 | 101.0 | 99.6  | 97.0  |
| 142.5° | 60.6  | 68.7  | 75.4  | 82.1  | 86.2  | 88.9  | 90.2  | 91.6  | 90.2  | 88.9  | 84.8  |
| 145°   | 48.5  | 57.9  | 64.6  | 68.7  | 74.1  | 75.4  | 76.8  | 78.1  | 76.8  | 75.4  | 71.4  |
| 147.5° | 37.7  | 45.8  | 52.5  | 57.9  | 61.9  | 63.3  | 64.6  | 66.0  | 64.6  | 61.9  | 60.6  |
| 150°   | 26.9  | 33.7  | 41.7  | 47.1  | 49.8  | 52.5  | 52.5  | 52.5  | 53.9  | 51.2  | 48.5  |
| 152.5° | 21.5  | 24.2  | 29.6  | 35.0  | 39.0  | 40.4  | 41.7  | 41.7  | 40.4  | 40.4  | 37.7  |
| 155°   | 14.8  | 17.5  | 21.5  | 25.6  | 29.6  | 31.0  | 32.3  | 32.3  | 31.0  | 31.0  | 29.6  |
| 157.5° | 9.4   | 12.1  | 14.8  | 17.5  | 21.5  | 22.9  | 24.2  | 24.2  | 24.2  | 22.9  | 21.5  |
| 160°   | 5.4   | 6.7   | 8.1   | 10.8  | 13.5  | 14.8  | 16.2  | 16.2  | 16.2  | 16.2  | 14.8  |
| 162.5° | 4.0   | 4.0   | 4.0   | 5.4   | 6.7   | 8.1   | 9.4   | 9.4   | 9.4   | 9.4   | 8.1   |
| 165°   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   | 4.0   | 5.4   | 5.4   | 5.4   | 5.4   | 5.4   |
| 167.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 172.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°   | 1269.8 | 1269.8 | 1271.1 | 1268.4 | 1260.4 | 1261.7 | 1261.7 | 1267.1 | 1269.8 | 1271.1 | 1277.9 |
| 5°     | 1267.1 | 1267.1 | 1269.8 | 1265.8 | 1259.0 | 1259.0 | 1259.0 | 1264.4 | 1265.8 | 1268.4 | 1273.8 |
| 7.5°   | 1263.1 | 1263.1 | 1264.4 | 1260.4 | 1252.3 | 1252.3 | 1250.9 | 1256.3 | 1259.0 | 1260.4 | 1265.8 |
| 10°    | 1256.3 | 1256.3 | 1257.7 | 1253.6 | 1244.2 | 1244.2 | 1242.9 | 1246.9 | 1248.2 | 1250.9 | 1255.0 |
| 12.5°  | 1246.9 | 1246.9 | 1246.9 | 1242.9 | 1233.4 | 1232.1 | 1230.7 | 1234.8 | 1234.8 | 1236.1 | 1240.2 |
| 15°    | 1238.8 | 1236.1 | 1236.1 | 1232.1 | 1222.7 | 1220.0 | 1217.3 | 1218.6 | 1221.3 | 1220.0 | 1222.7 |
| 17.5°  | 1229.4 | 1226.7 | 1224.0 | 1220.0 | 1207.9 | 1203.8 | 1201.1 | 1202.5 | 1201.1 | 1199.8 | 1202.5 |
| 20°    | 1218.6 | 1214.6 | 1213.2 | 1206.5 | 1194.4 | 1187.7 | 1182.3 | 1179.6 | 1180.9 | 1176.9 | 1178.2 |
| 22.5°  | 1206.5 | 1201.1 | 1198.4 | 1190.3 | 1178.2 | 1170.1 | 1163.4 | 1158.0 | 1156.7 | 1151.3 | 1152.6 |
| 25°    | 1191.7 | 1185.0 | 1180.9 | 1174.2 | 1160.7 | 1151.3 | 1143.2 | 1135.1 | 1131.1 | 1124.4 | 1123.0 |
| 27.5°  | 1174.2 | 1167.5 | 1162.1 | 1155.3 | 1141.9 | 1129.8 | 1120.3 | 1109.6 | 1104.2 | 1096.1 | 1092.0 |
| 30°    | 1156.7 | 1148.6 | 1140.5 | 1135.1 | 1120.3 | 1106.9 | 1092.0 | 1082.6 | 1074.5 | 1065.1 | 1058.4 |
| 32.5°  | 1135.1 | 1127.1 | 1119.0 | 1110.9 | 1097.4 | 1081.3 | 1069.2 | 1054.3 | 1044.9 | 1034.1 | 1026.1 |
| 35°    | 1113.6 | 1102.8 | 1094.7 | 1084.0 | 1071.9 | 1053.0 | 1038.2 | 1023.4 | 1011.3 | 999.1  | 989.7  |
| 37.5°  | 1089.4 | 1081.3 | 1069.2 | 1059.7 | 1044.9 | 1026.1 | 1009.9 | 991.1  | 980.3  | 964.1  | 952.0  |
| 40°    | 1066.5 | 1057.0 | 1044.9 | 1032.8 | 1018.0 | 996.4  | 978.9  | 957.4  | 945.3  | 926.4  | 914.3  |
| 42.5°  | 1043.6 | 1030.1 | 1018.0 | 1004.5 | 988.4  | 968.2  | 946.6  | 925.1  | 908.9  | 891.4  | 873.9  |
| 45°    | 1018.0 | 1003.2 | 988.4  | 973.6  | 957.4  | 937.2  | 914.3  | 891.4  | 871.2  | 855.1  | 833.5  |
| 47.5°  | 991.1  | 976.2  | 958.7  | 942.6  | 925.1  | 904.9  | 880.6  | 856.4  | 834.9  | 816.0  | 793.1  |
| 50°    | 964.1  | 949.3  | 930.5  | 913.0  | 892.8  | 872.6  | 847.0  | 818.7  | 795.8  | 771.6  | 751.4  |
| 52.5°  | 935.9  | 921.0  | 903.5  | 880.6  | 859.1  | 838.9  | 812.0  | 782.3  | 756.8  | 736.6  | 711.0  |
| 55°    | 907.6  | 892.8  | 872.6  | 849.7  | 828.1  | 802.5  | 777.0  | 747.3  | 719.1  | 694.8  | 669.2  |
| 57.5°  | 877.9  | 864.5  | 841.6  | 822.7  | 795.8  | 768.9  | 741.9  | 713.7  | 682.7  | 654.4  | 624.8  |
| 60°    | 848.3  | 833.5  | 812.0  | 789.1  | 762.1  | 735.2  | 706.9  | 676.0  | 643.6  | 612.7  | 585.7  |
| 62.5°  | 821.4  | 802.5  | 782.3  | 758.1  | 729.8  | 704.2  | 671.9  | 638.3  | 605.9  | 573.6  | 541.3  |
| 65°    | 790.4  | 770.2  | 751.4  | 727.1  | 697.5  | 667.9  | 635.6  | 601.9  | 566.9  | 531.9  | 499.6  |
| 67.5°  | 759.5  | 739.3  | 719.1  | 694.8  | 663.8  | 632.9  | 599.2  | 565.5  | 526.5  | 492.8  | 455.1  |
| 70°    | 728.5  | 712.3  | 686.7  | 661.2  | 632.9  | 599.2  | 565.5  | 529.2  | 488.8  | 452.4  | 413.4  |
| 72.5°  | 697.5  | 681.4  | 655.8  | 628.8  | 601.9  | 566.9  | 530.5  | 494.2  | 456.5  | 414.7  | 373.0  |
| 75°    | 667.9  | 647.7  | 624.8  | 599.2  | 570.9  | 534.6  | 498.2  | 460.5  | 416.1  | 377.0  | 333.9  |
| 77.5°  | 639.6  | 620.8  | 597.9  | 569.6  | 538.6  | 503.6  | 465.9  | 426.9  | 382.4  | 340.7  | 293.5  |
| 80°    | 608.6  | 589.8  | 566.9  | 538.6  | 507.6  | 474.0  | 433.6  | 393.2  | 350.1  | 304.3  | 255.8  |
| 82.5°  | 579.0  | 561.5  | 535.9  | 510.3  | 476.7  | 443.0  | 402.6  | 362.2  | 316.4  | 272.0  | 224.9  |
| 85°    | 548.0  | 530.5  | 506.3  | 479.4  | 447.1  | 410.7  | 373.0  | 332.6  | 286.8  | 241.0  | 193.9  |
| 87.5°  | 521.1  | 500.9  | 476.7  | 449.7  | 417.4  | 382.4  | 346.1  | 303.0  | 258.5  | 214.1  | 165.6  |
| 90°    | 492.8  | 474.0  | 449.7  | 422.8  | 390.5  | 355.5  | 317.8  | 277.4  | 234.3  | 188.5  | 142.7  |
| 92.5°  | 468.6  | 448.4  | 425.5  | 398.6  | 366.3  | 332.6  | 294.9  | 254.5  | 212.8  | 168.3  | 123.9  |
| 95°    | 444.4  | 424.2  | 402.6  | 375.7  | 343.4  | 309.7  | 272.0  | 233.0  | 192.6  | 149.5  | 107.7  |
| 97.5°  | 417.4  | 399.9  | 378.4  | 352.8  | 320.5  | 288.2  | 251.8  | 214.1  | 175.1  | 133.3  | 94.3   |
| 100°   | 395.9  | 375.7  | 355.5  | 328.6  | 298.9  | 268.0  | 231.6  | 195.2  | 157.5  | 118.5  | 82.1   |
| 102.5° | 371.6  | 352.8  | 332.6  | 307.0  | 277.4  | 246.4  | 212.8  | 177.7  | 142.7  | 106.4  | 71.4   |
| 105°   | 348.8  | 331.3  | 309.7  | 285.5  | 257.2  | 227.6  | 195.2  | 162.9  | 129.3  | 94.3   | 63.3   |
| 107.5° | 325.9  | 308.4  | 288.2  | 265.3  | 238.3  | 208.7  | 179.1  | 146.8  | 115.8  | 84.8   | 56.6   |
| 110°   | 303.0  | 286.8  | 268.0  | 245.1  | 219.5  | 192.6  | 164.3  | 134.7  | 103.7  | 75.4   | 49.8   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 112.5° | 282.8 | 266.6 | 247.8 | 226.2 | 202.0 | 176.4 | 149.5 | 121.2 | 92.9 | 67.3 | 43.1 |
| 115°   | 262.6 | 247.8 | 228.9 | 210.1 | 185.8 | 161.6 | 136.0 | 109.1 | 83.5 | 60.6 | 37.7 |
| 117.5° | 242.4 | 227.6 | 210.1 | 191.2 | 169.7 | 146.8 | 122.5 | 97.0  | 75.4 | 53.9 | 33.7 |
| 120°   | 222.2 | 208.7 | 192.6 | 175.1 | 156.2 | 133.3 | 109.1 | 87.5  | 67.3 | 47.1 | 29.6 |
| 122.5° | 203.3 | 191.2 | 176.4 | 160.2 | 140.0 | 118.5 | 98.3  | 79.4  | 60.6 | 41.7 | 24.2 |
| 125°   | 185.8 | 173.7 | 160.2 | 144.1 | 125.2 | 106.4 | 88.9  | 71.4  | 52.5 | 36.4 | 20.2 |
| 127.5° | 168.3 | 156.2 | 142.7 | 127.9 | 113.1 | 95.6  | 79.4  | 63.3  | 47.1 | 32.3 | 17.5 |
| 130°   | 150.8 | 140.0 | 127.9 | 115.8 | 101.0 | 84.8  | 71.4  | 55.2  | 40.4 | 25.6 | 14.8 |
| 132.5° | 133.3 | 125.2 | 114.5 | 102.3 | 88.9  | 76.8  | 61.9  | 48.5  | 35.0 | 22.9 | 13.5 |
| 135°   | 118.5 | 110.4 | 101.0 | 90.2  | 79.4  | 67.3  | 53.9  | 41.7  | 29.6 | 18.9 | 10.8 |
| 137.5° | 105.0 | 98.3  | 88.9  | 79.4  | 70.0  | 57.9  | 47.1  | 35.0  | 24.2 | 16.2 | 8.1  |
| 140°   | 92.9  | 86.2  | 78.1  | 68.7  | 60.6  | 49.8  | 39.0  | 28.3  | 21.5 | 13.5 | 6.7  |
| 142.5° | 80.8  | 74.1  | 67.3  | 59.2  | 51.2  | 41.7  | 32.3  | 24.2  | 17.5 | 10.8 | 6.7  |
| 145°   | 68.7  | 63.3  | 56.6  | 49.8  | 41.7  | 33.7  | 26.9  | 20.2  | 13.5 | 8.1  | 5.4  |
| 147.5° | 56.6  | 52.5  | 45.8  | 40.4  | 33.7  | 26.9  | 21.5  | 16.2  | 10.8 | 6.7  | 4.0  |
| 150°   | 45.8  | 41.7  | 36.4  | 31.0  | 26.9  | 21.5  | 17.5  | 12.1  | 8.1  | 6.7  | 4.0  |
| 152.5° | 35.0  | 32.3  | 28.3  | 25.6  | 21.5  | 16.2  | 12.1  | 9.4   | 6.7  | 5.4  | 2.7  |
| 155°   | 28.3  | 25.6  | 22.9  | 18.9  | 16.2  | 12.1  | 9.4   | 6.7   | 5.4  | 4.0  | 2.7  |
| 157.5° | 20.2  | 18.9  | 16.2  | 13.5  | 10.8  | 8.1   | 6.7   | 6.7   | 4.0  | 2.7  | 1.3  |
| 160°   | 13.5  | 12.1  | 10.8  | 8.1   | 6.7   | 6.7   | 5.4   | 4.0   | 2.7  | 2.7  | 1.3  |
| 162.5° | 8.1   | 6.7   | 6.7   | 6.7   | 5.4   | 5.4   | 4.0   | 2.7   | 2.7  | 1.3  | 1.3  |
| 165°   | 5.4   | 5.4   | 5.4   | 4.0   | 4.0   | 4.0   | 2.7   | 1.3   | 1.3  | 1.3  | 1.3  |
| 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-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°   | 1277.9 | 1273.8 | 1279.2 | 1288.6 | 1290.0 | 1288.6 | 1286.0 | 1290.0 | 1295.4 | 1294.0 | 1284.6 |
| 5°     | 1275.2 | 1269.8 | 1275.2 | 1284.6 | 1284.6 | 1283.3 | 1281.9 | 1286.0 | 1291.3 | 1290.0 | 1281.9 |
| 7.5°   | 1267.1 | 1261.7 | 1267.1 | 1275.2 | 1276.5 | 1273.8 | 1273.8 | 1277.9 | 1283.3 | 1281.9 | 1275.2 |
| 10°    | 1256.3 | 1250.9 | 1253.6 | 1263.1 | 1265.8 | 1263.1 | 1263.1 | 1267.1 | 1273.8 | 1272.5 | 1264.4 |
| 12.5°  | 1240.2 | 1236.1 | 1238.8 | 1246.9 | 1249.6 | 1248.2 | 1246.9 | 1252.3 | 1259.0 | 1259.0 | 1250.9 |
| 15°    | 1222.7 | 1217.3 | 1220.0 | 1229.4 | 1230.7 | 1228.1 | 1229.4 | 1233.4 | 1241.5 | 1241.5 | 1234.8 |
| 17.5°  | 1202.5 | 1195.7 | 1199.8 | 1206.5 | 1207.9 | 1207.9 | 1207.9 | 1213.2 | 1222.7 | 1221.3 | 1215.9 |
| 20°    | 1179.6 | 1170.1 | 1172.8 | 1179.6 | 1182.3 | 1182.3 | 1182.3 | 1191.7 | 1198.4 | 1198.4 | 1193.0 |
| 22.5°  | 1152.6 | 1145.9 | 1145.9 | 1152.6 | 1156.7 | 1155.3 | 1155.3 | 1163.4 | 1172.8 | 1171.5 | 1171.5 |
| 25°    | 1121.7 | 1116.3 | 1113.6 | 1121.7 | 1123.0 | 1124.4 | 1127.1 | 1135.1 | 1145.9 | 1145.9 | 1147.3 |
| 27.5°  | 1089.4 | 1084.0 | 1082.6 | 1089.4 | 1090.7 | 1092.0 | 1094.7 | 1104.2 | 1114.9 | 1116.3 | 1119.0 |
| 30°    | 1058.4 | 1050.3 | 1047.6 | 1053.0 | 1055.7 | 1057.0 | 1057.0 | 1071.9 | 1081.3 | 1085.3 | 1090.7 |
| 32.5°  | 1022.0 | 1013.9 | 1007.2 | 1016.6 | 1018.0 | 1020.7 | 1022.0 | 1036.8 | 1047.6 | 1054.3 | 1062.4 |
| 35°    | 985.7  | 972.2  | 969.5  | 976.2  | 978.9  | 980.3  | 983.0  | 999.1  | 1013.9 | 1019.3 | 1030.1 |
| 37.5°  | 945.3  | 935.9  | 927.8  | 934.5  | 937.2  | 938.5  | 946.6  | 961.4  | 976.2  | 984.3  | 995.1  |
| 40°    | 907.6  | 895.5  | 888.7  | 892.8  | 895.5  | 896.8  | 906.2  | 922.4  | 939.9  | 949.3  | 962.8  |
| 42.5°  | 865.8  | 849.7  | 844.3  | 848.3  | 849.7  | 853.7  | 861.8  | 883.3  | 900.8  | 914.3  | 925.1  |
| 45°    | 824.1  | 812.0  | 799.8  | 803.9  | 805.2  | 807.9  | 820.0  | 842.9  | 861.8  | 877.9  | 890.1  |
| 47.5°  | 781.0  | 766.2  | 754.1  | 756.8  | 762.1  | 763.5  | 777.0  | 803.9  | 821.4  | 838.9  | 855.1  |
| 50°    | 737.9  | 717.7  | 708.3  | 708.3  | 711.0  | 717.7  | 735.2  | 762.1  | 781.0  | 801.2  | 818.7  |
| 52.5°  | 693.5  | 674.6  | 663.8  | 665.2  | 667.9  | 676.0  | 692.1  | 719.1  | 740.6  | 762.1  | 783.7  |
| 55°    | 649.0  | 628.8  | 618.1  | 615.4  | 618.1  | 628.8  | 647.7  | 676.0  | 697.5  | 723.1  | 746.0  |
| 57.5°  | 604.6  | 580.4  | 570.9  | 566.9  | 569.6  | 583.1  | 601.9  | 631.5  | 658.5  | 682.7  | 709.6  |
| 60°    | 556.1  | 537.3  | 521.1  | 511.7  | 518.4  | 535.9  | 556.1  | 587.1  | 615.4  | 642.3  | 671.9  |
| 62.5°  | 514.4  | 490.1  | 472.6  | 463.2  | 469.9  | 484.8  | 513.0  | 542.7  | 573.6  | 604.6  | 634.2  |
| 65°    | 467.3  | 443.0  | 422.8  | 413.4  | 420.1  | 437.6  | 465.9  | 498.2  | 531.9  | 562.9  | 597.9  |
| 67.5°  | 421.5  | 395.9  | 371.6  | 362.2  | 370.3  | 389.2  | 420.1  | 456.5  | 492.8  | 525.2  | 562.9  |
| 70°    | 377.0  | 348.8  | 323.2  | 316.4  | 321.8  | 347.4  | 377.0  | 413.4  | 451.1  | 488.8  | 527.8  |
| 72.5°  | 336.6  | 301.6  | 274.7  | 266.6  | 273.3  | 301.6  | 335.3  | 373.0  | 413.4  | 453.8  | 495.5  |
| 75°    | 289.5  | 257.2  | 227.6  | 218.1  | 226.2  | 251.8  | 293.5  | 333.9  | 377.0  | 420.1  | 459.2  |
| 77.5°  | 251.8  | 214.1  | 183.1  | 168.3  | 181.8  | 214.1  | 254.5  | 297.6  | 342.0  | 386.5  | 430.9  |
| 80°    | 212.8  | 173.7  | 140.0  | 123.9  | 138.7  | 173.7  | 214.1  | 261.2  | 311.1  | 355.5  | 395.9  |
| 82.5°  | 177.7  | 136.0  | 101.0  | 83.5   | 99.6   | 138.7  | 183.1  | 230.3  | 278.7  | 323.2  | 370.3  |
| 85°    | 145.4  | 102.3  | 66.0   | 47.1   | 70.0   | 105.0  | 152.2  | 200.6  | 250.5  | 296.2  | 342.0  |
| 87.5°  | 118.5  | 76.8   | 40.4   | 20.2   | 43.1   | 82.1   | 126.6  | 175.1  | 224.9  | 270.7  | 313.7  |
| 90°    | 97.0   | 55.2   | 21.5   | 2.7    | 25.6   | 61.9   | 105.0  | 152.2  | 199.3  | 246.4  | 289.5  |
| 92.5°  | 79.4   | 41.7   | 12.1   | 1.3    | 16.2   | 49.8   | 90.2   | 134.7  | 180.4  | 226.2  | 268.0  |
| 95°    | 66.0   | 32.3   | 8.1    | 1.3    | 12.1   | 39.0   | 76.8   | 119.8  | 162.9  | 207.4  | 249.1  |
| 97.5°  | 56.6   | 26.9   | 6.7    | 1.3    | 9.4    | 33.7   | 66.0   | 106.4  | 148.1  | 189.9  | 230.3  |
| 100°   | 48.5   | 21.5   | 5.4    | 1.3    | 8.1    | 28.3   | 57.9   | 94.3   | 133.3  | 173.7  | 212.8  |
| 102.5° | 41.7   | 17.5   | 4.0    | 1.3    | 6.7    | 24.2   | 51.2   | 84.8   | 119.8  | 158.9  | 196.6  |
| 105°   | 36.4   | 14.8   | 4.0    | 1.3    | 5.4    | 21.5   | 45.8   | 75.4   | 110.4  | 145.4  | 181.8  |
| 107.5° | 31.0   | 12.1   | 2.7    | 1.3    | 4.0    | 17.5   | 40.4   | 68.7   | 99.6   | 133.3  | 167.0  |
| 110°   | 26.9   | 10.8   | 2.7    | 1.3    | 4.0    | 16.2   | 35.0   | 61.9   | 90.2   | 121.2  | 153.5  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210°  | 215°  |
|--------|------|------|------|------|------|------|------|------|------|-------|-------|
| 112.5° | 22.9 | 8.1  | 2.7  | 1.3  | 2.7  | 13.5 | 31.0 | 55.2 | 82.1 | 110.4 | 141.4 |
| 115°   | 20.2 | 6.7  | 1.3  | 1.3  | 2.7  | 12.1 | 28.3 | 49.8 | 74.1 | 101.0 | 129.3 |
| 117.5° | 16.2 | 5.4  | 1.3  | 1.3  | 1.3  | 9.4  | 24.2 | 44.4 | 67.3 | 92.9  | 118.5 |
| 120°   | 13.5 | 5.4  | 1.3  | 1.3  | 1.3  | 8.1  | 21.5 | 39.0 | 60.6 | 83.5  | 107.7 |
| 122.5° | 12.1 | 4.0  | 1.3  | 1.3  | 1.3  | 6.7  | 18.9 | 35.0 | 53.9 | 75.4  | 98.3  |
| 125°   | 10.8 | 4.0  | 1.3  | 1.3  | 1.3  | 5.4  | 16.2 | 31.0 | 48.5 | 67.3  | 88.9  |
| 127.5° | 8.1  | 4.0  | 1.3  | 1.3  | 1.3  | 4.0  | 14.8 | 26.9 | 43.1 | 60.6  | 79.4  |
| 130°   | 6.7  | 2.7  | 1.3  | 1.3  | 1.3  | 4.0  | 12.1 | 24.2 | 37.7 | 53.9  | 71.4  |
| 132.5° | 5.4  | 2.7  | 1.3  | 1.3  | 1.3  | 2.7  | 9.4  | 18.9 | 32.3 | 47.1  | 63.3  |
| 135°   | 5.4  | 2.7  | 1.3  | 1.3  | 1.3  | 2.7  | 6.7  | 16.2 | 26.9 | 40.4  | 53.9  |
| 137.5° | 5.4  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 5.4  | 12.1 | 21.5 | 32.3  | 44.4  |
| 140°   | 4.0  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 4.0  | 9.4  | 17.5 | 26.9  | 37.7  |
| 142.5° | 4.0  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 4.0  | 6.7  | 13.5 | 21.5  | 29.6  |
| 145°   | 2.7  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 5.4  | 10.8 | 16.2  | 24.2  |
| 147.5° | 2.7  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 4.0  | 8.1  | 13.5  | 18.9  |
| 150°   | 2.7  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 4.0  | 5.4  | 9.4   | 14.8  |
| 152.5° | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 2.7  | 4.0  | 6.7   | 9.4   |
| 155°   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 4.0  | 5.4   | 6.7   |
| 157.5° | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 2.7  | 4.0   | 5.4   |
| 160°   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7  | 2.7   | 4.0   |
| 162.5° | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 2.7   | 2.7   |
| 165°   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3   | 1.3   |
| 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-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°   | 1280.6 | 1271.1 | 1273.8 | 1272.5 | 1275.2 | 1279.2 | 1279.2 | 1277.9 | 1277.9 | 1275.2 | 1272.5 |
| 5°     | 1277.9 | 1268.4 | 1272.5 | 1271.1 | 1273.8 | 1277.9 | 1277.9 | 1276.5 | 1276.5 | 1272.5 | 1271.1 |
| 7.5°   | 1269.8 | 1263.1 | 1265.8 | 1265.8 | 1268.4 | 1272.5 | 1272.5 | 1271.1 | 1271.1 | 1267.1 | 1265.8 |
| 10°    | 1261.7 | 1253.6 | 1257.7 | 1257.7 | 1260.4 | 1265.8 | 1265.8 | 1264.4 | 1264.4 | 1260.4 | 1259.0 |
| 12.5°  | 1248.2 | 1240.2 | 1246.9 | 1248.2 | 1250.9 | 1256.3 | 1255.0 | 1255.0 | 1255.0 | 1250.9 | 1249.6 |
| 15°    | 1232.1 | 1226.7 | 1233.4 | 1234.8 | 1238.8 | 1245.6 | 1245.6 | 1245.6 | 1245.6 | 1241.5 | 1240.2 |
| 17.5°  | 1214.6 | 1210.5 | 1217.3 | 1220.0 | 1225.4 | 1232.1 | 1232.1 | 1233.4 | 1234.8 | 1232.1 | 1230.7 |
| 20°    | 1194.4 | 1191.7 | 1198.4 | 1203.8 | 1211.9 | 1218.6 | 1221.3 | 1222.7 | 1225.4 | 1222.7 | 1221.3 |
| 22.5°  | 1171.5 | 1171.5 | 1180.9 | 1186.3 | 1195.7 | 1202.5 | 1206.5 | 1210.5 | 1213.2 | 1210.5 | 1209.2 |
| 25°    | 1145.9 | 1150.0 | 1159.4 | 1168.8 | 1179.6 | 1186.3 | 1190.3 | 1195.7 | 1198.4 | 1197.1 | 1195.7 |
| 27.5°  | 1121.7 | 1127.1 | 1139.2 | 1148.6 | 1158.0 | 1168.8 | 1172.8 | 1179.6 | 1182.3 | 1182.3 | 1180.9 |
| 30°    | 1093.4 | 1101.5 | 1114.9 | 1125.7 | 1137.8 | 1148.6 | 1154.0 | 1160.7 | 1164.8 | 1162.1 | 1163.4 |
| 32.5°  | 1066.5 | 1079.9 | 1090.7 | 1102.8 | 1116.3 | 1127.1 | 1133.8 | 1141.9 | 1145.9 | 1144.6 | 1145.9 |
| 35°    | 1036.8 | 1050.3 | 1065.1 | 1077.2 | 1093.4 | 1104.2 | 1113.6 | 1120.3 | 1125.7 | 1124.4 | 1124.4 |
| 37.5°  | 1004.5 | 1022.0 | 1036.8 | 1053.0 | 1067.8 | 1079.9 | 1089.4 | 1097.4 | 1102.8 | 1102.8 | 1102.8 |
| 40°    | 973.6  | 992.4  | 1007.2 | 1026.1 | 1044.9 | 1055.7 | 1066.5 | 1074.5 | 1079.9 | 1081.3 | 1082.6 |
| 42.5°  | 939.9  | 960.1  | 977.6  | 997.8  | 1016.6 | 1030.1 | 1042.2 | 1051.7 | 1057.0 | 1059.7 | 1058.4 |
| 45°    | 908.9  | 927.8  | 948.0  | 970.9  | 988.4  | 1001.8 | 1016.6 | 1027.4 | 1032.8 | 1034.1 | 1035.5 |
| 47.5°  | 873.9  | 895.5  | 918.3  | 941.2  | 958.7  | 976.2  | 989.7  | 1000.5 | 1005.9 | 1009.9 | 1009.9 |
| 50°    | 840.2  | 863.1  | 888.7  | 913.0  | 931.8  | 949.3  | 962.8  | 974.9  | 981.6  | 984.3  | 985.7  |
| 52.5°  | 809.3  | 830.8  | 857.8  | 882.0  | 900.8  | 918.3  | 935.9  | 949.3  | 956.0  | 958.7  | 958.7  |
| 55°    | 771.6  | 798.5  | 828.1  | 851.0  | 871.2  | 891.4  | 908.9  | 922.4  | 929.1  | 933.2  | 935.9  |
| 57.5°  | 736.6  | 764.8  | 795.8  | 820.0  | 844.3  | 863.1  | 879.3  | 896.8  | 902.2  | 907.6  | 908.9  |
| 60°    | 702.9  | 731.2  | 760.8  | 787.7  | 812.0  | 832.2  | 851.0  | 865.8  | 875.3  | 877.9  | 880.6  |
| 62.5°  | 667.9  | 697.5  | 728.5  | 755.4  | 781.0  | 805.2  | 822.7  | 836.2  | 847.0  | 851.0  | 853.7  |
| 65°    | 634.2  | 665.2  | 696.2  | 724.4  | 751.4  | 775.6  | 793.1  | 806.6  | 817.4  | 824.1  | 825.4  |
| 67.5°  | 597.9  | 631.5  | 663.8  | 693.5  | 720.4  | 746.0  | 763.5  | 777.0  | 787.7  | 795.8  | 797.2  |
| 70°    | 564.2  | 599.2  | 631.5  | 663.8  | 690.8  | 716.4  | 735.2  | 748.7  | 760.8  | 766.2  | 768.9  |
| 72.5°  | 531.9  | 568.2  | 601.9  | 634.2  | 661.2  | 686.7  | 706.9  | 720.4  | 732.5  | 739.3  | 740.6  |
| 75°    | 500.9  | 537.3  | 573.6  | 604.6  | 632.9  | 658.5  | 678.7  | 693.5  | 704.2  | 711.0  | 713.7  |
| 77.5°  | 469.9  | 507.6  | 544.0  | 575.0  | 604.6  | 630.2  | 647.7  | 665.2  | 676.0  | 684.0  | 684.0  |
| 80°    | 439.0  | 478.0  | 515.7  | 546.7  | 576.3  | 599.2  | 619.4  | 636.9  | 647.7  | 655.8  | 655.8  |
| 82.5°  | 412.0  | 449.7  | 486.1  | 517.1  | 546.7  | 572.3  | 592.5  | 608.6  | 620.8  | 626.1  | 627.5  |
| 85°    | 381.1  | 422.8  | 456.5  | 490.1  | 518.4  | 542.7  | 562.9  | 580.4  | 591.1  | 596.5  | 599.2  |
| 87.5°  | 355.5  | 395.9  | 432.2  | 461.9  | 490.1  | 514.4  | 537.3  | 552.1  | 562.9  | 569.6  | 572.3  |
| 90°    | 331.3  | 370.3  | 406.7  | 436.3  | 465.9  | 488.8  | 510.3  | 525.2  | 537.3  | 542.7  | 545.4  |
| 92.5°  | 309.7  | 348.8  | 383.8  | 413.4  | 441.7  | 467.3  | 487.4  | 502.3  | 513.0  | 518.4  | 522.5  |
| 95°    | 289.5  | 327.2  | 360.9  | 393.2  | 420.1  | 443.0  | 464.6  | 479.4  | 491.5  | 495.5  | 499.6  |
| 97.5°  | 269.3  | 305.7  | 339.3  | 370.3  | 398.6  | 420.1  | 440.3  | 455.1  | 464.6  | 471.3  | 475.3  |
| 100°   | 251.8  | 286.8  | 319.1  | 348.8  | 375.7  | 395.9  | 417.4  | 430.9  | 440.3  | 445.7  | 451.1  |
| 102.5° | 233.0  | 268.0  | 298.9  | 327.2  | 355.5  | 374.3  | 394.5  | 408.0  | 416.1  | 425.5  | 425.5  |
| 105°   | 216.8  | 249.1  | 280.1  | 307.0  | 331.3  | 354.1  | 371.6  | 385.1  | 394.5  | 401.3  | 401.3  |
| 107.5° | 199.3  | 231.6  | 261.2  | 289.5  | 312.4  | 333.9  | 350.1  | 362.2  | 373.0  | 377.0  | 381.1  |
| 110°   | 185.8  | 214.1  | 243.7  | 270.7  | 292.2  | 312.4  | 328.6  | 342.0  | 351.4  | 355.5  | 358.2  |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°  | 260°  | 265°  | 270°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 169.7 | 199.3 | 226.2 | 251.8 | 273.3 | 292.2 | 308.4 | 319.1 | 328.6 | 333.9 | 335.3 |
| 115°   | 156.2 | 184.5 | 208.7 | 233.0 | 255.8 | 272.0 | 286.8 | 297.6 | 307.0 | 311.1 | 313.7 |
| 117.5° | 144.1 | 169.7 | 193.9 | 214.1 | 235.6 | 253.2 | 268.0 | 277.4 | 285.5 | 290.9 | 293.5 |
| 120°   | 132.0 | 156.2 | 177.7 | 197.9 | 218.1 | 234.3 | 247.8 | 257.2 | 266.6 | 270.7 | 270.7 |
| 122.5° | 119.8 | 142.7 | 162.9 | 181.8 | 200.6 | 215.4 | 230.3 | 238.3 | 246.4 | 250.5 | 250.5 |
| 125°   | 109.1 | 130.6 | 149.5 | 167.0 | 184.5 | 197.9 | 210.1 | 219.5 | 227.6 | 230.3 | 230.3 |
| 127.5° | 98.3  | 118.5 | 136.0 | 152.2 | 167.0 | 180.4 | 192.6 | 202.0 | 208.7 | 211.4 | 211.4 |
| 130°   | 88.9  | 106.4 | 122.5 | 138.7 | 153.5 | 164.3 | 176.4 | 184.5 | 188.5 | 192.6 | 193.9 |
| 132.5° | 79.4  | 95.6  | 110.4 | 123.9 | 138.7 | 149.5 | 158.9 | 167.0 | 171.0 | 175.1 | 176.4 |
| 135°   | 70.0  | 84.8  | 98.3  | 111.8 | 123.9 | 134.7 | 142.7 | 149.5 | 154.9 | 157.5 | 158.9 |
| 137.5° | 59.2  | 75.4  | 87.5  | 98.3  | 111.8 | 119.8 | 129.3 | 133.3 | 138.7 | 141.4 | 141.4 |
| 140°   | 49.8  | 61.9  | 75.4  | 86.2  | 97.0  | 105.0 | 113.1 | 119.8 | 123.9 | 125.2 | 125.2 |
| 142.5° | 40.4  | 51.2  | 61.9  | 75.4  | 84.8  | 91.6  | 99.6  | 105.0 | 107.7 | 109.1 | 110.4 |
| 145°   | 32.3  | 40.4  | 49.8  | 61.9  | 72.7  | 80.8  | 84.8  | 90.2  | 92.9  | 94.3  | 95.6  |
| 147.5° | 24.2  | 32.3  | 40.4  | 48.5  | 59.2  | 67.3  | 71.4  | 76.8  | 79.4  | 80.8  | 80.8  |
| 150°   | 18.9  | 24.2  | 29.6  | 37.7  | 45.8  | 55.2  | 60.6  | 64.6  | 66.0  | 67.3  | 67.3  |
| 152.5° | 13.5  | 18.9  | 22.9  | 28.3  | 33.7  | 41.7  | 49.8  | 52.5  | 53.9  | 55.2  | 55.2  |
| 155°   | 9.4   | 13.5  | 16.2  | 20.2  | 24.2  | 31.0  | 37.7  | 41.7  | 43.1  | 44.4  | 44.4  |
| 157.5° | 6.7   | 9.4   | 10.8  | 14.8  | 17.5  | 20.2  | 25.6  | 32.3  | 33.7  | 33.7  | 33.7  |
| 160°   | 4.0   | 5.4   | 6.7   | 9.4   | 10.8  | 13.5  | 16.2  | 20.2  | 24.2  | 24.2  | 24.2  |
| 162.5° | 2.7   | 4.0   | 4.0   | 5.4   | 5.4   | 8.1   | 9.4   | 10.8  | 14.8  | 16.2  | 16.2  |
| 165°   | 1.3   | 2.7   | 2.7   | 2.7   | 2.7   | 2.7   | 4.0   | 4.0   | 6.7   | 8.1   | 8.1   |
| 167.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 172.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°   | 1273.8 | 1276.5 | 1275.2 | 1275.2 | 1275.2 | 1277.9 | 1275.2 | 1263.1 | 1265.8 | 1268.4 | 1271.1 |
| 5°     | 1272.5 | 1273.8 | 1273.8 | 1272.5 | 1272.5 | 1275.2 | 1272.5 | 1260.4 | 1263.1 | 1265.8 | 1267.1 |
| 7.5°   | 1267.1 | 1268.4 | 1268.4 | 1268.4 | 1267.1 | 1269.8 | 1265.8 | 1255.0 | 1255.0 | 1257.7 | 1259.0 |
| 10°    | 1260.4 | 1263.1 | 1261.7 | 1260.4 | 1260.4 | 1260.4 | 1257.7 | 1245.6 | 1245.6 | 1246.9 | 1248.2 |
| 12.5°  | 1252.3 | 1252.3 | 1252.3 | 1250.9 | 1249.6 | 1249.6 | 1246.9 | 1234.8 | 1233.4 | 1236.1 | 1234.8 |
| 15°    | 1241.5 | 1244.2 | 1241.5 | 1240.2 | 1237.5 | 1237.5 | 1233.4 | 1221.3 | 1218.6 | 1220.0 | 1218.6 |
| 17.5°  | 1232.1 | 1233.4 | 1230.7 | 1228.1 | 1225.4 | 1224.0 | 1220.0 | 1206.5 | 1202.5 | 1203.8 | 1201.1 |
| 20°    | 1222.7 | 1222.7 | 1220.0 | 1217.3 | 1213.2 | 1209.2 | 1203.8 | 1190.3 | 1183.6 | 1183.6 | 1178.2 |
| 22.5°  | 1210.5 | 1210.5 | 1207.9 | 1203.8 | 1199.8 | 1194.4 | 1189.0 | 1175.5 | 1164.8 | 1162.1 | 1158.0 |
| 25°    | 1197.1 | 1195.7 | 1194.4 | 1190.3 | 1182.3 | 1176.9 | 1171.5 | 1156.7 | 1144.6 | 1139.2 | 1132.4 |
| 27.5°  | 1180.9 | 1180.9 | 1176.9 | 1172.8 | 1164.8 | 1158.0 | 1151.3 | 1137.8 | 1121.7 | 1114.9 | 1105.5 |
| 30°    | 1163.4 | 1163.4 | 1159.4 | 1154.0 | 1145.9 | 1137.8 | 1129.8 | 1113.6 | 1097.4 | 1088.0 | 1077.2 |
| 32.5°  | 1145.9 | 1144.6 | 1140.5 | 1135.1 | 1127.1 | 1114.9 | 1108.2 | 1092.0 | 1073.2 | 1062.4 | 1047.6 |
| 35°    | 1124.4 | 1123.0 | 1119.0 | 1112.2 | 1101.5 | 1092.0 | 1081.3 | 1066.5 | 1044.9 | 1031.5 | 1015.3 |
| 37.5°  | 1102.8 | 1101.5 | 1098.8 | 1089.4 | 1078.6 | 1067.8 | 1054.3 | 1039.5 | 1019.3 | 1001.8 | 985.7  |
| 40°    | 1081.3 | 1079.9 | 1074.5 | 1067.8 | 1054.3 | 1040.9 | 1027.4 | 1012.6 | 991.1  | 970.9  | 953.4  |
| 42.5°  | 1058.4 | 1057.0 | 1050.3 | 1042.2 | 1027.4 | 1013.9 | 997.8  | 981.6  | 960.1  | 935.9  | 918.3  |
| 45°    | 1035.5 | 1032.8 | 1026.1 | 1016.6 | 1000.5 | 985.7  | 969.5  | 950.7  | 929.1  | 906.2  | 883.3  |
| 47.5°  | 1011.3 | 1007.2 | 1000.5 | 987.0  | 973.6  | 957.4  | 938.5  | 918.3  | 896.8  | 871.2  | 847.0  |
| 50°    | 984.3  | 981.6  | 973.6  | 961.4  | 945.3  | 929.1  | 907.6  | 887.4  | 861.8  | 837.6  | 807.9  |
| 52.5°  | 958.7  | 953.4  | 946.6  | 933.2  | 917.0  | 899.5  | 876.6  | 852.4  | 826.8  | 803.9  | 772.9  |
| 55°    | 931.8  | 929.1  | 919.7  | 908.9  | 888.7  | 868.5  | 847.0  | 821.4  | 793.1  | 766.2  | 736.6  |
| 57.5°  | 906.2  | 900.8  | 892.8  | 877.9  | 860.4  | 840.2  | 817.4  | 790.4  | 759.5  | 731.2  | 698.9  |
| 60°    | 880.6  | 872.6  | 863.1  | 849.7  | 830.8  | 809.3  | 785.0  | 756.8  | 725.8  | 694.8  | 661.2  |
| 62.5°  | 852.4  | 845.6  | 834.9  | 821.4  | 802.5  | 779.7  | 754.1  | 724.4  | 694.8  | 662.5  | 626.1  |
| 65°    | 824.1  | 817.4  | 806.6  | 793.1  | 774.3  | 748.7  | 721.7  | 692.1  | 658.5  | 627.5  | 588.4  |
| 67.5°  | 795.8  | 789.1  | 777.0  | 762.1  | 743.3  | 719.1  | 690.8  | 659.8  | 626.1  | 592.5  | 552.1  |
| 70°    | 767.5  | 759.5  | 748.7  | 732.5  | 713.7  | 688.1  | 659.8  | 627.5  | 593.8  | 557.5  | 517.1  |
| 72.5°  | 739.3  | 732.5  | 719.1  | 704.2  | 684.0  | 658.5  | 630.2  | 597.9  | 562.9  | 525.2  | 484.8  |
| 75°    | 711.0  | 702.9  | 693.5  | 676.0  | 654.4  | 630.2  | 600.6  | 568.2  | 530.5  | 494.2  | 452.4  |
| 77.5°  | 682.7  | 676.0  | 663.8  | 646.3  | 626.1  | 600.6  | 570.9  | 538.6  | 500.9  | 463.2  | 418.8  |
| 80°    | 654.4  | 646.3  | 636.9  | 620.8  | 597.9  | 572.3  | 541.3  | 509.0  | 471.3  | 432.2  | 387.8  |
| 82.5°  | 626.1  | 618.1  | 607.3  | 591.1  | 569.6  | 544.0  | 514.4  | 479.4  | 441.7  | 401.3  | 359.5  |
| 85°    | 597.9  | 591.1  | 579.0  | 562.9  | 540.0  | 514.4  | 484.8  | 453.8  | 413.4  | 373.0  | 331.3  |
| 87.5°  | 569.6  | 562.9  | 550.7  | 534.6  | 513.0  | 487.4  | 457.8  | 425.5  | 386.5  | 348.8  | 303.0  |
| 90°    | 542.7  | 537.3  | 525.2  | 509.0  | 487.4  | 461.9  | 434.9  | 399.9  | 362.2  | 324.5  | 281.4  |
| 92.5°  | 518.4  | 513.0  | 502.3  | 486.1  | 467.3  | 439.0  | 412.0  | 378.4  | 340.7  | 301.6  | 259.9  |
| 95°    | 496.9  | 490.1  | 479.4  | 464.6  | 441.7  | 417.4  | 390.5  | 356.8  | 320.5  | 281.4  | 241.0  |
| 97.5°  | 472.6  | 465.9  | 455.1  | 439.0  | 420.1  | 394.5  | 367.6  | 335.3  | 298.9  | 262.6  | 222.2  |
| 100°   | 448.4  | 441.7  | 429.5  | 416.1  | 397.2  | 371.6  | 346.1  | 313.7  | 280.1  | 245.1  | 206.0  |
| 102.5° | 424.2  | 417.4  | 406.7  | 393.2  | 374.3  | 351.4  | 325.9  | 294.9  | 261.2  | 226.2  | 189.9  |
| 105°   | 401.3  | 394.5  | 383.8  | 370.3  | 352.8  | 329.9  | 303.0  | 276.0  | 243.7  | 210.1  | 175.1  |
| 107.5° | 378.4  | 371.6  | 362.2  | 348.8  | 331.3  | 309.7  | 284.1  | 255.8  | 226.2  | 193.9  | 160.2  |
| 110°   | 355.5  | 350.1  | 339.3  | 327.2  | 309.7  | 288.2  | 265.3  | 238.3  | 208.7  | 179.1  | 146.8  |





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 275°  | 280°  | 285°  | 290°  | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 333.9 | 328.6 | 317.8 | 304.3 | 289.5 | 269.3 | 246.4 | 220.8 | 192.6 | 164.3 | 133.3 |
| 115°   | 312.4 | 305.7 | 296.2 | 284.1 | 269.3 | 250.5 | 228.9 | 206.0 | 177.7 | 150.8 | 122.5 |
| 117.5° | 290.9 | 285.5 | 276.0 | 263.9 | 250.5 | 231.6 | 211.4 | 189.9 | 162.9 | 137.3 | 111.8 |
| 120°   | 269.3 | 265.3 | 255.8 | 245.1 | 231.6 | 214.1 | 195.2 | 173.7 | 149.5 | 125.2 | 101.0 |
| 122.5° | 249.1 | 245.1 | 235.6 | 226.2 | 212.8 | 196.6 | 179.1 | 158.9 | 137.3 | 114.5 | 92.9  |
| 125°   | 230.3 | 224.9 | 216.8 | 207.4 | 195.2 | 180.4 | 162.9 | 144.1 | 123.9 | 103.7 | 83.5  |
| 127.5° | 210.1 | 206.0 | 200.6 | 189.9 | 177.7 | 164.3 | 148.1 | 132.0 | 113.1 | 94.3  | 75.4  |
| 130°   | 193.9 | 188.5 | 181.8 | 173.7 | 162.9 | 149.5 | 134.7 | 118.5 | 102.3 | 84.8  | 66.0  |
| 132.5° | 175.1 | 169.7 | 164.3 | 156.2 | 146.8 | 134.7 | 121.2 | 106.4 | 91.6  | 75.4  | 59.2  |
| 135°   | 157.5 | 153.5 | 148.1 | 140.0 | 130.6 | 121.2 | 107.7 | 94.3  | 80.8  | 66.0  | 52.5  |
| 137.5° | 141.4 | 137.3 | 132.0 | 126.6 | 117.1 | 107.7 | 95.6  | 83.5  | 71.4  | 57.9  | 45.8  |
| 140°   | 125.2 | 122.5 | 117.1 | 111.8 | 103.7 | 94.3  | 83.5  | 72.7  | 61.9  | 49.8  | 39.0  |
| 142.5° | 109.1 | 106.4 | 102.3 | 97.0  | 90.2  | 82.1  | 72.7  | 63.3  | 52.5  | 43.1  | 33.7  |
| 145°   | 94.3  | 92.9  | 88.9  | 83.5  | 78.1  | 70.0  | 61.9  | 53.9  | 44.4  | 36.4  | 26.9  |
| 147.5° | 79.4  | 78.1  | 75.4  | 71.4  | 66.0  | 59.2  | 52.5  | 44.4  | 37.7  | 29.6  | 21.5  |
| 150°   | 66.0  | 64.6  | 63.3  | 57.9  | 55.2  | 48.5  | 43.1  | 36.4  | 31.0  | 22.9  | 17.5  |
| 152.5° | 53.9  | 53.9  | 51.2  | 47.1  | 44.4  | 39.0  | 35.0  | 29.6  | 24.2  | 18.9  | 13.5  |
| 155°   | 43.1  | 41.7  | 40.4  | 37.7  | 35.0  | 31.0  | 26.9  | 22.9  | 18.9  | 13.5  | 9.4   |
| 157.5° | 33.7  | 32.3  | 31.0  | 28.3  | 25.6  | 24.2  | 20.2  | 16.2  | 12.1  | 9.4   | 6.7   |
| 160°   | 24.2  | 22.9  | 21.5  | 20.2  | 18.9  | 16.2  | 13.5  | 10.8  | 8.1   | 5.4   | 4.0   |
| 162.5° | 16.2  | 14.8  | 14.8  | 13.5  | 12.1  | 9.4   | 8.1   | 6.7   | 5.4   | 4.0   | 2.7   |
| 165°   | 8.1   | 8.1   | 6.7   | 6.7   | 5.4   | 4.0   | 4.0   | 4.0   | 2.7   | 2.7   | 1.3   |
| 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-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 | 1276.5 |
| 2.5°   | 1269.8 | 1269.8 | 1275.2 | 1273.8 | 1269.8 | 1277.9 | 1287.3 |
| 5°     | 1265.8 | 1265.8 | 1269.8 | 1269.8 | 1265.8 | 1273.8 | 1281.9 |
| 7.5°   | 1259.0 | 1257.7 | 1261.7 | 1261.7 | 1256.3 | 1263.1 | 1272.5 |
| 10°    | 1246.9 | 1245.6 | 1249.6 | 1249.6 | 1244.2 | 1250.9 | 1259.0 |
| 12.5°  | 1233.4 | 1230.7 | 1234.8 | 1233.4 | 1228.1 | 1234.8 | 1242.9 |
| 15°    | 1215.9 | 1214.6 | 1217.3 | 1214.6 | 1209.2 | 1215.9 | 1224.0 |
| 17.5°  | 1198.4 | 1194.4 | 1195.7 | 1195.7 | 1186.3 | 1193.0 | 1199.8 |
| 20°    | 1175.5 | 1170.1 | 1171.5 | 1170.1 | 1163.4 | 1167.5 | 1175.5 |
| 22.5°  | 1152.6 | 1144.6 | 1144.6 | 1143.2 | 1135.1 | 1140.5 | 1147.3 |
| 25°    | 1124.4 | 1114.9 | 1114.9 | 1113.6 | 1104.2 | 1108.2 | 1114.9 |
| 27.5°  | 1096.1 | 1086.7 | 1082.6 | 1081.3 | 1071.9 | 1071.9 | 1081.3 |
| 30°    | 1066.5 | 1053.0 | 1050.3 | 1046.3 | 1036.8 | 1036.8 | 1044.9 |
| 32.5°  | 1038.2 | 1019.3 | 1013.9 | 1008.6 | 999.1  | 997.8  | 1007.2 |
| 35°    | 1000.5 | 985.7  | 976.2  | 970.9  | 960.1  | 957.4  | 965.5  |
| 37.5°  | 969.5  | 950.7  | 937.2  | 930.5  | 919.7  | 915.7  | 926.4  |
| 40°    | 935.9  | 915.7  | 898.1  | 894.1  | 877.9  | 872.6  | 882.0  |
| 42.5°  | 898.1  | 876.6  | 859.1  | 851.0  | 838.9  | 833.5  | 834.9  |
| 45°    | 860.4  | 837.6  | 818.7  | 807.9  | 795.8  | 786.4  | 791.8  |
| 47.5°  | 821.4  | 801.2  | 778.3  | 762.1  | 747.3  | 740.6  | 743.3  |
| 50°    | 782.3  | 758.1  | 736.6  | 719.1  | 701.6  | 693.5  | 698.9  |
| 52.5°  | 743.3  | 717.7  | 693.5  | 674.6  | 654.4  | 646.3  | 647.7  |
| 55°    | 705.6  | 678.7  | 650.4  | 630.2  | 611.3  | 599.2  | 596.5  |
| 57.5°  | 667.9  | 638.3  | 608.6  | 585.7  | 561.5  | 550.7  | 546.7  |
| 60°    | 627.5  | 596.5  | 565.5  | 538.6  | 513.0  | 500.9  | 495.5  |
| 62.5°  | 589.8  | 556.1  | 521.1  | 492.8  | 467.3  | 451.1  | 447.1  |
| 65°    | 553.4  | 514.4  | 479.4  | 447.1  | 418.8  | 401.3  | 395.9  |
| 67.5°  | 514.4  | 474.0  | 436.3  | 401.3  | 374.3  | 351.4  | 348.8  |
| 70°    | 478.0  | 434.9  | 393.2  | 356.8  | 327.2  | 304.3  | 293.5  |
| 72.5°  | 441.7  | 397.2  | 354.1  | 315.1  | 277.4  | 255.8  | 247.8  |
| 75°    | 406.7  | 360.9  | 315.1  | 274.7  | 233.0  | 207.4  | 199.3  |
| 77.5°  | 374.3  | 327.2  | 278.7  | 234.3  | 195.2  | 162.9  | 152.2  |
| 80°    | 343.4  | 294.9  | 243.7  | 197.9  | 156.2  | 121.2  | 109.1  |
| 82.5°  | 311.1  | 265.3  | 212.8  | 164.3  | 121.2  | 84.8   | 70.0   |
| 85°    | 282.8  | 237.0  | 184.5  | 136.0  | 92.9   | 53.9   | 37.7   |
| 87.5°  | 259.9  | 210.1  | 162.9  | 114.5  | 70.0   | 31.0   | 10.8   |
| 90°    | 237.0  | 188.5  | 141.4  | 94.3   | 52.5   | 17.5   | 1.3    |
| 92.5°  | 216.8  | 171.0  | 123.9  | 80.8   | 40.4   | 12.1   | 1.3    |
| 95°    | 197.9  | 153.5  | 109.1  | 67.3   | 32.3   | 8.1    | 1.3    |
| 97.5°  | 180.4  | 138.7  | 97.0   | 57.9   | 26.9   | 6.7    | 1.3    |
| 100°   | 165.6  | 125.2  | 86.2   | 51.2   | 22.9   | 5.4    | 1.3    |
| 102.5° | 150.8  | 113.1  | 76.8   | 44.4   | 20.2   | 4.0    | 1.3    |
| 105°   | 138.7  | 102.3  | 68.7   | 40.4   | 17.5   | 4.0    | 1.3    |
| 107.5° | 126.6  | 92.9   | 61.9   | 35.0   | 14.8   | 2.7    | 1.3    |
| 110°   | 114.5  | 84.8   | 55.2   | 31.0   | 13.5   | 2.7    | 1.3    |



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-67SL-LW-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 330°  | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|-------|------|------|------|------|------|------|
| 112.5° | 105.0 | 76.8 | 49.8 | 28.3 | 10.8 | 2.7  | 1.3  |
| 115°   | 95.6  | 68.7 | 44.4 | 24.2 | 9.4  | 1.3  | 1.3  |
| 117.5° | 86.2  | 61.9 | 39.0 | 21.5 | 8.1  | 1.3  | 1.3  |
| 120°   | 78.1  | 55.2 | 35.0 | 18.9 | 6.7  | 1.3  | 1.3  |
| 122.5° | 70.0  | 49.8 | 31.0 | 16.2 | 5.4  | 1.3  | 1.3  |
| 125°   | 63.3  | 44.4 | 26.9 | 13.5 | 4.0  | 1.3  | 1.3  |
| 127.5° | 56.6  | 39.0 | 24.2 | 12.1 | 4.0  | 1.3  | 1.3  |
| 130°   | 49.8  | 35.0 | 20.2 | 9.4  | 2.7  | 1.3  | 1.3  |
| 132.5° | 44.4  | 29.6 | 17.5 | 8.1  | 2.7  | 1.3  | 1.3  |
| 135°   | 39.0  | 25.6 | 14.8 | 5.4  | 2.7  | 1.3  | 1.3  |
| 137.5° | 33.7  | 21.5 | 12.1 | 4.0  | 1.3  | 1.3  | 1.3  |
| 140°   | 28.3  | 18.9 | 9.4  | 4.0  | 1.3  | 1.3  | 1.3  |
| 142.5° | 24.2  | 14.8 | 6.7  | 2.7  | 1.3  | 1.3  | 1.3  |
| 145°   | 18.9  | 12.1 | 5.4  | 2.7  | 1.3  | 1.3  | 1.3  |
| 147.5° | 14.8  | 9.4  | 4.0  | 2.7  | 1.3  | 1.3  | 1.3  |
| 150°   | 10.8  | 6.7  | 4.0  | 1.3  | 1.3  | 1.3  | 1.3  |
| 152.5° | 8.1   | 5.4  | 2.7  | 1.3  | 1.3  | 1.3  | 1.3  |
| 155°   | 5.4   | 4.0  | 2.7  | 1.3  | 1.3  | 1.3  | 1.3  |
| 157.5° | 4.0   | 2.7  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 160°   | 2.7   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 162.5° | 1.3   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 165°   | 1.3   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 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)