

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: **4SNLED-LD5-54SL-RM-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 (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

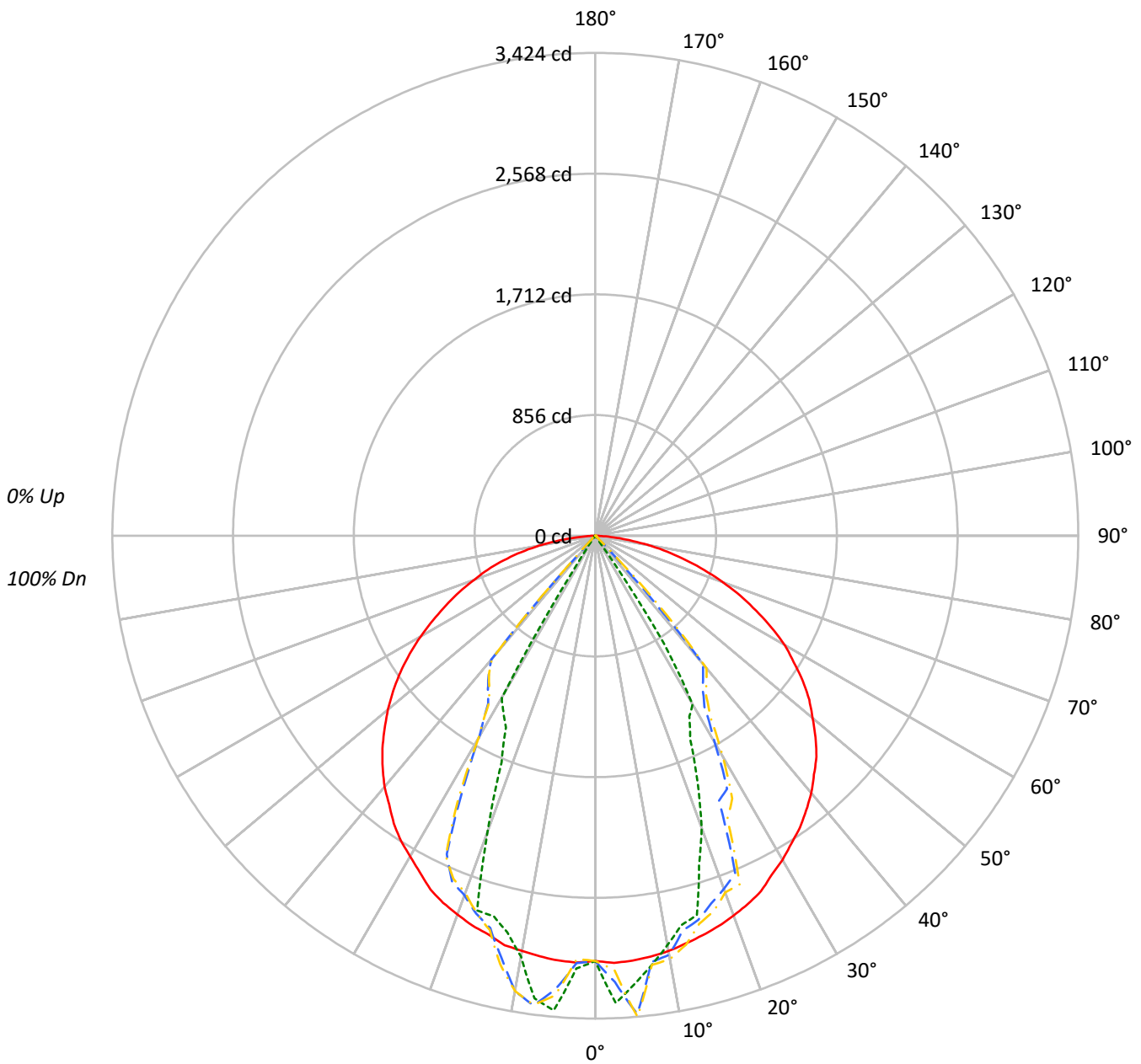
Lumens per Lamp: N/A
Luminaire Lumens: 4287.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 41
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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|---|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 112 | 108 | 105 | 103 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | | | 90 | | | |
| 2 | 105 | 98 | 93 | 89 | 102 | 97 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 85 | 82 | 81 | | | | | 81 | | | |
| 3 | 98 | 90 | 83 | 78 | 95 | 88 | 82 | 78 | 85 | 80 | 76 | 83 | 79 | 75 | 80 | 77 | 74 | 72 | | | | | 72 | | | |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 69 | 78 | 73 | 69 | 76 | 72 | 68 | 74 | 70 | 67 | 65 | | | | | 65 | | | |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 68 | 63 | 72 | 66 | 62 | 71 | 65 | 61 | 69 | 64 | 61 | 59 | | | | | 59 | | | |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 | | | | | 54 | | | |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | | | 49 | | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 | | | | | 42 | | | |
| 10 | 63 | 52 | 45 | 41 | 62 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 44 | 41 | 49 | 44 | 40 | 39 | | | | | 39 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 24363 | 24363 | 24363 | 24363 |
| 5° | 24463 | 25058 | 24456 | 26536 |
| 10° | 24405 | 22675 | 24390 | 23329 |
| 15° | 24338 | 21164 | 24278 | 21219 |
| 20° | 24366 | 16670 | 24297 | 16875 |
| 25° | 24437 | 12064 | 24317 | 11384 |
| 30° | 24325 | 10583 | 24068 | 10173 |
| 35° | 24397 | 234 | 24039 | 283 |
| 40° | 24481 | 51 | 23895 | 51 |
| 45° | 24568 | 30 | 23644 | 22 |
| 50° | 24380 | 23 | 23262 | 23 |
| 55° | 24236 | 17 | 22747 | 17 |
| 60° | 23779 | 18 | 21920 | 18 |
| 65° | 22538 | 29 | 20935 | 19 |
| 70° | 20908 | 31 | 19905 | 31 |
| 75° | 18494 | 35 | 18799 | 35 |
| 80° | 15022 | 40 | 15883 | 40 |
| 85° | 8840 | 47 | 9025 | 47 |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 302.5 | 7.1 |
| 10°-20° | 825.1 | 19.2 |
| 20°-30° | 1049.9 | 24.5 |
| 30°-40° | 886.9 | 20.7 |
| 40°-50° | 579.8 | 13.5 |
| 50°-60° | 365.3 | 8.5 |
| 60°-70° | 194.5 | 4.5 |
| 70°-80° | 70.9 | 1.7 |
| 80°-90° | 12.2 | 0.3 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 2177.4 | 50.8 |
| 0°-40° | 3064.3 | 71.5 |
| 0°-60° | 4009.4 | 93.5 |
| 0°-90° | 4287.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4287.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3015 | 3015 | 3015 | 3015 | 3015 | |
| 5° | 3024 | 3190 | 3023 | 3379 | 3024 | 288 |
| 15° | 2934 | 2784 | 2926 | 2791 | 2934 | 829 |
| 25° | 2781 | 1590 | 2767 | 1500 | 2781 | 1279 |
| 35° | 2527 | 30 | 2490 | 36 | 2527 | 1581 |
| 45° | 2217 | 4 | 2134 | 3 | 2217 | 1705 |
| 55° | 1797 | 2 | 1687 | 2 | 1797 | 1601 |
| 65° | 1258 | 3 | 1168 | 2 | 1258 | 1246 |
| 75° | 661 | 3 | 672 | 3 | 661 | 702 |
| 85° | 129 | 3 | 132 | 3 | 129 | 164 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3032.1 | 3033.9 | 3034.8 | 3036.7 | 3039.4 | 3040.3 | 3042.1 | 3040.3 | 3040.3 | 3040.3 | 3040.3 |
| 5° | 3024.0 | 3027.6 | 3030.3 | 3033.9 | 3040.3 | 3041.2 | 3048.4 | 3049.3 | 3052.9 | 3060.2 | 3065.6 |
| 7.5° | 3010.4 | 3014.0 | 3019.5 | 3028.5 | 3037.6 | 3047.5 | 3060.2 | 3073.8 | 3092.8 | 3110.9 | 3133.5 |
| 10° | 2990.5 | 2995.0 | 3001.4 | 3009.5 | 3053.8 | 3060.2 | 3088.2 | 3127.1 | 3138.0 | 3195.0 | 3237.5 |
| 12.5° | 2961.6 | 2976.9 | 2993.2 | 3000.5 | 3043.0 | 3109.9 | 3204.1 | 3185.0 | 3164.2 | 3350.6 | 3347.9 |
| 15° | 2933.5 | 2954.3 | 2946.2 | 3005.0 | 3043.9 | 3160.6 | 3120.8 | 3205.9 | 3361.5 | 3323.5 | 3325.3 |
| 17.5° | 2903.6 | 2908.2 | 2953.4 | 3002.3 | 3071.9 | 3131.7 | 3180.5 | 3297.3 | 3328.0 | 3330.7 | 3297.3 |
| 20° | 2865.6 | 2887.4 | 2953.4 | 2997.7 | 3115.4 | 3143.4 | 3249.3 | 3309.0 | 3296.3 | 3265.6 | 3208.6 |
| 22.5° | 2826.7 | 2892.8 | 2959.7 | 3022.2 | 3104.5 | 3179.6 | 3232.1 | 3260.2 | 3194.1 | 3072.8 | 3007.7 |
| 25° | 2780.6 | 2819.5 | 2907.3 | 2998.7 | 3101.8 | 3145.2 | 3176.0 | 3130.8 | 3044.8 | 2936.2 | 2826.7 |
| 27.5° | 2709.1 | 2771.5 | 2883.7 | 2986.9 | 3080.1 | 3132.6 | 3082.8 | 2974.2 | 2835.8 | 2764.3 | 2714.5 |
| 30° | 2653.9 | 2735.3 | 2827.6 | 2927.2 | 3024.0 | 3054.8 | 2928.1 | 2804.1 | 2709.1 | 2637.6 | 2626.8 |
| 32.5° | 2586.9 | 2702.8 | 2790.5 | 2885.5 | 2967.0 | 2926.3 | 2803.2 | 2643.0 | 2564.3 | 2537.2 | 2548.0 |
| 35° | 2527.2 | 2615.0 | 2729.9 | 2823.1 | 2881.9 | 2790.5 | 2596.0 | 2496.5 | 2458.5 | 2473.8 | 2453.9 |
| 37.5° | 2455.7 | 2571.6 | 2677.4 | 2758.0 | 2738.1 | 2600.5 | 2435.8 | 2372.5 | 2377.0 | 2364.4 | 2326.4 |
| 40° | 2381.5 | 2491.9 | 2602.3 | 2678.3 | 2608.7 | 2398.7 | 2289.3 | 2275.7 | 2278.4 | 2237.7 | 2183.4 |
| 42.5° | 2294.7 | 2395.1 | 2505.5 | 2574.3 | 2424.1 | 2260.3 | 2186.1 | 2187.9 | 2164.4 | 2107.4 | 2078.4 |
| 45° | 2216.9 | 2309.2 | 2424.1 | 2430.4 | 2245.8 | 2109.2 | 2087.5 | 2063.9 | 2011.5 | 1992.5 | 1970.7 |
| 47.5° | 2117.3 | 2219.6 | 2314.6 | 2280.2 | 2071.2 | 1986.1 | 1969.8 | 1918.3 | 1892.0 | 1877.6 | 1859.5 |
| 50° | 2011.5 | 2114.6 | 2201.5 | 2103.8 | 1906.5 | 1886.6 | 1833.2 | 1792.5 | 1774.4 | 1759.0 | 1742.7 |
| 52.5° | 1911.0 | 1996.1 | 2084.8 | 1916.5 | 1779.8 | 1760.8 | 1700.2 | 1676.7 | 1658.6 | 1641.4 | 1637.8 |
| 55° | 1797.0 | 1872.1 | 1932.7 | 1738.2 | 1658.6 | 1614.2 | 1570.8 | 1554.5 | 1537.3 | 1529.2 | 1542.8 |
| 57.5° | 1667.6 | 1752.7 | 1743.6 | 1562.7 | 1527.4 | 1463.1 | 1446.8 | 1436.0 | 1423.3 | 1428.7 | 1315.6 |
| 60° | 1550.9 | 1616.1 | 1571.7 | 1434.2 | 1374.5 | 1331.0 | 1316.5 | 1309.3 | 1316.5 | 1206.2 | 1060.5 |
| 62.5° | 1407.0 | 1480.3 | 1390.7 | 1284.0 | 1220.6 | 1199.8 | 1187.2 | 1197.1 | 1091.2 | 970.0 | 934.7 |
| 65° | 1257.7 | 1337.4 | 1205.3 | 1122.9 | 1083.1 | 1065.0 | 1064.1 | 979.9 | 875.9 | 828.8 | 828.8 |
| 67.5° | 1113.9 | 1196.2 | 1026.1 | 957.3 | 941.9 | 943.8 | 891.3 | 763.7 | 734.7 | 703.1 | 611.7 |
| 70° | 960.9 | 1033.3 | 847.8 | 806.2 | 797.2 | 790.8 | 663.3 | 628.9 | 594.5 | 510.3 | 503.1 |
| 72.5° | 808.9 | 844.2 | 681.3 | 671.4 | 669.6 | 556.5 | 531.1 | 472.3 | 432.5 | 422.6 | 418.0 |
| 75° | 661.4 | 650.6 | 538.4 | 547.4 | 461.5 | 421.7 | 380.9 | 346.6 | 341.1 | 337.5 | 84.2 |
| 77.5° | 522.1 | 467.8 | 424.4 | 369.2 | 330.3 | 280.5 | 272.4 | 266.9 | 175.5 | 63.3 | 51.6 |
| 80° | 380.0 | 303.1 | 282.3 | 239.8 | 204.5 | 196.4 | 200.9 | 61.5 | 48.9 | 40.7 | 35.3 |
| 82.5° | 241.6 | 193.6 | 158.3 | 138.4 | 134.8 | 58.8 | 43.4 | 35.3 | 30.8 | 26.2 | 21.7 |
| 85° | 129.4 | 86.0 | 79.6 | 67.0 | 39.8 | 27.1 | 22.6 | 17.2 | 14.5 | 11.8 | 10.9 |
| 87.5° | 40.7 | 34.4 | 28.1 | 22.6 | 13.6 | 9.0 | 7.2 | 6.3 | 5.4 | 4.5 | 4.5 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° | 20° | 25° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3038.5 | 3040.3 | 3039.4 | 3042.1 | 3042.1 | 3045.7 | 3048.4 | 3051.1 | 3056.6 | 3059.3 | 3080.1 |
| 5° | 3077.4 | 3081.9 | 3095.5 | 3108.1 | 3123.5 | 3128.0 | 3154.3 | 3160.6 | 3191.4 | 3195.0 | 3296.3 |
| 7.5° | 3164.2 | 3181.4 | 3214.0 | 3246.6 | 3279.2 | 3300.0 | 3336.2 | 3358.8 | 3383.2 | 3404.9 | 3485.5 |
| 10° | 3269.2 | 3298.2 | 3329.8 | 3362.4 | 3381.4 | 3421.2 | 3442.9 | 3446.5 | 3440.2 | 3404.9 | 3274.6 |
| 12.5° | 3372.4 | 3401.3 | 3387.7 | 3394.1 | 3416.7 | 3346.1 | 3356.1 | 3305.4 | 3340.7 | 3166.0 | 3036.7 |
| 15° | 3357.9 | 3356.1 | 3322.6 | 3214.0 | 3232.1 | 3097.3 | 3043.0 | 3001.4 | 3034.8 | 3016.7 | 2996.8 |
| 17.5° | 3314.4 | 3232.1 | 3174.2 | 3043.9 | 2988.7 | 2950.7 | 2951.6 | 2952.5 | 2936.2 | 2953.4 | 2902.7 |
| 20° | 3130.8 | 3038.5 | 2952.5 | 2906.4 | 2890.1 | 2862.9 | 2876.5 | 2862.9 | 2863.8 | 2869.3 | 2791.4 |
| 22.5° | 2886.5 | 2858.4 | 2808.6 | 2823.1 | 2817.7 | 2842.1 | 2824.0 | 2796.0 | 2805.0 | 2764.3 | 2705.5 |
| 25° | 2787.8 | 2755.2 | 2753.4 | 2758.9 | 2750.7 | 2739.9 | 2723.6 | 2681.1 | 2678.3 | 2665.7 | 2638.5 |
| 27.5° | 2688.3 | 2690.1 | 2695.5 | 2679.2 | 2650.3 | 2628.6 | 2604.1 | 2583.3 | 2591.5 | 2577.0 | 2539.9 |
| 30° | 2619.5 | 2618.6 | 2586.0 | 2571.6 | 2518.2 | 2519.1 | 2512.8 | 2500.1 | 2491.9 | 2492.8 | 2469.3 |
| 32.5° | 2521.8 | 2493.7 | 2456.7 | 2438.6 | 2434.0 | 2417.7 | 2405.1 | 2407.8 | 2414.1 | 2391.5 | 2415.9 |
| 35° | 2421.4 | 2363.5 | 2358.0 | 2342.6 | 2328.2 | 2317.3 | 2321.8 | 2303.7 | 2302.8 | 2300.1 | 2101.0 |
| 37.5° | 2286.5 | 2258.5 | 2255.8 | 2239.5 | 2229.5 | 2226.8 | 2209.6 | 2212.3 | 2220.5 | 2235.0 | 1791.6 |
| 40° | 2175.2 | 2149.9 | 2143.6 | 2142.7 | 2121.0 | 2119.1 | 2123.7 | 2140.9 | 2152.6 | 2062.1 | 1707.4 |
| 42.5° | 2055.8 | 2057.6 | 2037.7 | 2025.0 | 2027.8 | 2035.9 | 2057.6 | 1997.9 | 1731.0 | 1649.5 | 1560.9 |
| 45° | 1953.6 | 1944.5 | 1933.7 | 1930.0 | 1953.6 | 1937.3 | 1698.4 | 1567.2 | 1535.5 | 1531.9 | 1283.1 |
| 47.5° | 1846.8 | 1844.1 | 1839.5 | 1842.3 | 1708.3 | 1522.9 | 1468.6 | 1451.4 | 1456.8 | 1453.2 | 1102.1 |
| 50° | 1739.1 | 1742.7 | 1742.7 | 1521.9 | 1397.1 | 1366.3 | 1370.8 | 1386.2 | 1290.3 | 1204.3 | 1027.0 |
| 52.5° | 1645.9 | 1617.9 | 1386.2 | 1306.6 | 1278.5 | 1292.1 | 1259.5 | 1139.2 | 1052.3 | 1001.7 | 950.1 |
| 55° | 1473.1 | 1266.8 | 1215.2 | 1202.5 | 1212.5 | 1092.1 | 1017.9 | 940.1 | 917.5 | 912.1 | 882.2 |
| 57.5° | 1159.1 | 1117.5 | 1122.0 | 1071.3 | 956.4 | 888.6 | 858.7 | 847.8 | 837.9 | 830.6 | 72.4 |
| 60° | 1025.2 | 1037.0 | 949.2 | 840.6 | 794.5 | 785.4 | 778.2 | 768.2 | 766.4 | 753.7 | 46.1 |
| 62.5° | 938.3 | 825.2 | 749.2 | 722.1 | 711.2 | 708.5 | 694.9 | 690.4 | 586.3 | 80.5 | 34.4 |
| 65° | 707.6 | 661.4 | 647.0 | 640.6 | 628.9 | 628.9 | 522.1 | 82.3 | 67.0 | 57.9 | 30.8 |
| 67.5° | 577.3 | 573.7 | 566.4 | 558.3 | 380.0 | 79.6 | 69.7 | 60.6 | 52.5 | 46.1 | 27.1 |
| 70° | 488.6 | 486.8 | 443.4 | 81.4 | 67.9 | 59.7 | 52.5 | 47.1 | 43.4 | 38.9 | 24.4 |
| 72.5° | 400.8 | 81.4 | 68.8 | 59.7 | 51.6 | 47.1 | 42.5 | 38.0 | 34.4 | 31.7 | 19.9 |
| 75° | 62.4 | 55.2 | 48.9 | 44.3 | 40.7 | 36.2 | 32.6 | 29.9 | 29.0 | 25.3 | 13.6 |
| 77.5° | 45.2 | 38.9 | 35.3 | 31.7 | 28.1 | 25.3 | 21.7 | 19.0 | 17.2 | 14.5 | 10.0 |
| 80° | 31.7 | 28.1 | 25.3 | 20.8 | 18.1 | 15.4 | 13.6 | 11.8 | 10.9 | 9.0 | 4.5 |
| 82.5° | 18.1 | 15.4 | 13.6 | 10.9 | 10.0 | 8.1 | 7.2 | 6.3 | 6.3 | 4.5 | 4.5 |
| 85° | 8.1 | 8.1 | 6.3 | 5.4 | 4.5 | 4.5 | 4.5 | 3.6 | 3.6 | 2.7 | 2.7 |
| 87.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3109.0 | 3120.8 | 3143.4 | 3167.0 | 3140.7 | 3234.8 | 3227.6 | 3259.2 | 3276.4 | 3284.6 | 3303.6 |
| 5° | 3385.9 | 3438.4 | 3455.6 | 3404.0 | 3374.2 | 3343.4 | 3273.7 | 3221.2 | 3227.6 | 3210.4 | 3148.0 |
| 7.5° | 3380.5 | 3268.3 | 3117.2 | 3048.4 | 3043.0 | 3034.8 | 3056.6 | 3069.2 | 3071.0 | 3070.1 | 3068.3 |
| 10° | 3094.6 | 3036.7 | 3026.7 | 3017.7 | 3021.3 | 2987.8 | 2972.4 | 2929.0 | 2952.5 | 2939.8 | 2944.4 |
| 12.5° | 3007.7 | 2994.1 | 2940.7 | 2866.5 | 2910.9 | 2877.4 | 2858.4 | 2871.1 | 2856.6 | 2843.0 | 2838.5 |
| 15° | 2956.1 | 2868.4 | 2838.5 | 2820.4 | 2807.7 | 2800.5 | 2806.8 | 2792.3 | 2787.8 | 2785.1 | 2791.4 |
| 17.5° | 2849.4 | 2814.1 | 2781.5 | 2733.5 | 2734.4 | 2731.7 | 2749.8 | 2777.0 | 2778.8 | 2639.4 | 2513.7 |
| 20° | 2765.2 | 2736.2 | 2694.6 | 2664.8 | 2705.5 | 2633.1 | 2353.5 | 2220.5 | 2199.7 | 2199.7 | 2203.3 |
| 22.5° | 2698.2 | 2634.0 | 2636.7 | 2589.7 | 2208.7 | 2130.9 | 2132.7 | 2140.9 | 2103.8 | 1977.1 | 1963.5 |
| 25° | 2606.9 | 2596.9 | 2398.7 | 2073.0 | 2075.7 | 2015.1 | 1921.9 | 1790.7 | 1648.6 | 1648.6 | 1625.1 |
| 27.5° | 2538.1 | 2327.3 | 2037.7 | 2024.1 | 1820.5 | 1692.1 | 1612.4 | 1492.1 | 1475.8 | 1460.4 | 1462.2 |
| 30° | 2479.3 | 1968.9 | 1976.2 | 1692.1 | 1541.9 | 1435.1 | 1428.7 | 1408.8 | 1398.9 | 1396.2 | 1386.2 |
| 32.5° | 1959.9 | 1917.4 | 1654.1 | 1440.5 | 1381.7 | 1364.5 | 1356.4 | 1333.7 | 1332.8 | 1315.6 | 1196.2 |
| 35° | 1837.7 | 1683.0 | 1384.4 | 1326.5 | 1309.3 | 1293.0 | 1279.4 | 858.7 | 101.3 | 40.7 | 35.3 |
| 37.5° | 1698.4 | 1406.1 | 1280.4 | 1254.1 | 1237.8 | 914.8 | 91.4 | 31.7 | 22.6 | 16.3 | 14.5 |
| 40° | 1439.6 | 1255.9 | 1216.1 | 1187.2 | 489.5 | 31.7 | 19.9 | 15.4 | 9.0 | 8.1 | 7.2 |
| 42.5° | 1214.3 | 1183.5 | 1141.0 | 347.5 | 36.2 | 15.4 | 10.0 | 7.2 | 6.3 | 6.3 | 5.4 |
| 45° | 1136.5 | 1109.3 | 459.7 | 34.4 | 22.6 | 7.2 | 6.3 | 6.3 | 5.4 | 3.6 | 3.6 |
| 47.5° | 1064.1 | 936.5 | 41.6 | 21.7 | 14.5 | 6.3 | 5.4 | 3.6 | 3.6 | 3.6 | 2.7 |
| 50° | 987.2 | 51.6 | 29.0 | 16.3 | 9.0 | 3.6 | 3.6 | 3.6 | 3.6 | 2.7 | 2.7 |
| 52.5° | 184.6 | 36.2 | 23.5 | 14.5 | 4.5 | 3.6 | 3.6 | 3.6 | 2.7 | 2.7 | 2.7 |
| 55° | 43.4 | 29.0 | 21.7 | 12.7 | 3.6 | 3.6 | 3.6 | 2.7 | 2.7 | 2.7 | 1.8 |
| 57.5° | 32.6 | 21.7 | 17.2 | 11.8 | 3.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 |
| 60° | 27.1 | 15.4 | 13.6 | 10.9 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 |
| 62.5° | 19.0 | 12.7 | 10.0 | 8.1 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 65° | 15.4 | 10.0 | 8.1 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 67.5° | 13.6 | 8.1 | 5.4 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 70° | 10.9 | 2.7 | 2.7 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 72.5° | 9.0 | 2.7 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 75° | 9.0 | 4.5 | 1.8 | 1.8 | 2.7 | 2.7 | 3.6 | 3.6 | 2.7 | 2.7 | 2.7 |
| 77.5° | 6.3 | 4.5 | 1.8 | 1.8 | 2.7 | 2.7 | 3.6 | 3.6 | 2.7 | 2.7 | 2.7 |
| 80° | 3.6 | 4.5 | 1.8 | 2.7 | 2.7 | 5.4 | 6.3 | 3.6 | 2.7 | 2.7 | 2.7 |
| 82.5° | 3.6 | 4.5 | 5.4 | 5.4 | 2.7 | 4.5 | 5.4 | 4.5 | 3.6 | 2.7 | 2.7 |
| 85° | 3.6 | 2.7 | 3.6 | 4.5 | 2.7 | 4.5 | 4.5 | 3.6 | 3.6 | 2.7 | 2.7 |
| 87.5° | 1.8 | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 | 4.5 | 3.6 | 3.6 | 3.6 | 2.7 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 85° | 90° | 95° | 100° | 105° | 110° | 115° | 120° | 125° | 130° | 135° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3312.6 | 3316.3 | 3259.2 | 3239.3 | 3256.5 | 3252.9 | 3237.5 | 3180.5 | 3174.2 | 3136.2 | 3081.0 |
| 5° | 3166.0 | 3190.5 | 3160.6 | 3212.2 | 3187.8 | 3212.2 | 3286.4 | 3320.8 | 3376.9 | 3411.3 | 3423.9 |
| 7.5° | 3063.8 | 3069.2 | 3069.2 | 3073.8 | 3078.3 | 3079.2 | 3073.8 | 3070.1 | 3054.8 | 3035.8 | 3070.1 |
| 10° | 2939.8 | 2946.2 | 2957.0 | 2955.2 | 2954.3 | 2973.3 | 2977.8 | 3016.7 | 3014.9 | 3022.2 | 3048.4 |
| 12.5° | 2875.6 | 2826.7 | 2871.1 | 2859.3 | 2875.6 | 2850.3 | 2897.3 | 2889.2 | 2891.9 | 2913.6 | 2969.7 |
| 15° | 2768.8 | 2784.2 | 2795.1 | 2795.1 | 2801.4 | 2796.0 | 2790.5 | 2827.6 | 2850.3 | 2851.2 | 2847.5 |
| 17.5° | 2563.4 | 2446.7 | 2566.1 | 2535.4 | 2780.6 | 2786.9 | 2766.1 | 2748.9 | 2748.9 | 2762.5 | 2791.4 |
| 20° | 2200.6 | 2203.3 | 2204.2 | 2216.0 | 2230.4 | 2229.5 | 2230.4 | 2586.9 | 2756.2 | 2717.2 | 2691.0 |
| 22.5° | 1929.1 | 1895.6 | 1958.1 | 1953.6 | 2031.4 | 2117.3 | 2199.7 | 2191.5 | 2197.0 | 2448.5 | 2674.7 |
| 25° | 1546.4 | 1589.8 | 1554.5 | 1569.9 | 1657.7 | 1759.9 | 1823.3 | 1988.8 | 2168.9 | 2156.2 | 2215.1 |
| 27.5° | 1455.9 | 1444.1 | 1460.4 | 1460.4 | 1472.2 | 1485.8 | 1521.0 | 1614.2 | 1774.4 | 1942.7 | 2102.0 |
| 30° | 1369.9 | 1379.9 | 1381.7 | 1398.0 | 1407.0 | 1416.1 | 1421.5 | 1456.8 | 1493.0 | 1609.7 | 1806.1 |
| 32.5° | 1028.8 | 902.1 | 1187.2 | 1264.1 | 1329.2 | 1344.6 | 1355.5 | 1369.9 | 1396.2 | 1413.4 | 1512.0 |
| 35° | 29.9 | 29.9 | 31.7 | 36.2 | 46.1 | 311.3 | 1185.3 | 1306.6 | 1323.8 | 1345.5 | 1363.6 |
| 37.5° | 14.5 | 10.9 | 12.7 | 13.6 | 16.3 | 22.6 | 32.6 | 101.3 | 1128.3 | 1275.8 | 1295.7 |
| 40° | 6.3 | 6.3 | 6.3 | 6.3 | 7.2 | 9.0 | 13.6 | 22.6 | 34.4 | 907.6 | 1224.3 |
| 42.5° | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 6.3 | 8.1 | 16.3 | 38.9 | 642.4 |
| 45° | 3.6 | 3.6 | 2.7 | 3.6 | 3.6 | 4.5 | 5.4 | 5.4 | 7.2 | 24.4 | 44.3 |
| 47.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 4.5 | 5.4 | 16.3 | 23.5 |
| 50° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 12.7 | 16.3 |
| 52.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 14.5 |
| 55° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 3.6 | 12.7 |
| 57.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 1.8 | 1.8 | 2.7 | 2.7 | 11.8 |
| 60° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 10.9 |
| 62.5° | 2.7 | 2.7 | 1.8 | 2.7 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 7.2 |
| 65° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 2.7 |
| 67.5° | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 2.7 | 1.8 | 2.7 | 2.7 | 1.8 | 1.8 |
| 70° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 1.8 | 1.8 |
| 72.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 1.8 | 1.8 |
| 75° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 1.8 | 1.8 | 1.8 |
| 77.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 4.5 | 5.4 | 4.5 | 4.5 | 1.8 |
| 80° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 4.5 | 4.5 | 4.5 | 4.5 | 6.3 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 | 3.6 | 4.5 |
| 85° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 | 2.7 | 3.6 |
| 87.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 2.7 | 2.7 | 2.7 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 140° | 145° | 150° | 155° | 160° | 161° | 162° | 163° | 164° | 165° | 166° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3085.5 | 3054.8 | 3044.8 | 3024.0 | 3022.2 | 3024.0 | 3019.5 | 3013.1 | 3016.7 | 3010.4 | 3005.0 |
| 5° | 3431.2 | 3348.8 | 3295.4 | 3224.0 | 3125.3 | 3103.6 | 3098.2 | 3067.4 | 3056.6 | 3052.9 | 3038.5 |
| 7.5° | 3151.6 | 3301.8 | 3392.3 | 3423.0 | 3307.2 | 3280.1 | 3248.4 | 3223.1 | 3198.6 | 3152.5 | 3124.4 |
| 10° | 3027.6 | 3034.8 | 3121.7 | 3223.1 | 3387.7 | 3410.4 | 3427.5 | 3372.4 | 3357.0 | 3239.3 | 3214.0 |
| 12.5° | 2998.7 | 2999.6 | 3009.5 | 3071.0 | 3200.4 | 3214.9 | 3275.5 | 3308.1 | 3347.9 | 3370.5 | 3352.4 |
| 15° | 2866.5 | 2939.8 | 2994.1 | 2999.6 | 3011.3 | 3036.7 | 3054.8 | 3167.9 | 3215.8 | 3344.3 | 3337.1 |
| 17.5° | 2805.0 | 2828.5 | 2907.3 | 2971.5 | 2960.6 | 2951.6 | 2966.1 | 2981.5 | 3027.6 | 3156.1 | 3154.3 |
| 20° | 2702.8 | 2777.9 | 2820.4 | 2887.4 | 2948.0 | 2950.7 | 2934.4 | 2925.4 | 2907.3 | 2928.1 | 2947.1 |
| 22.5° | 2659.3 | 2671.1 | 2750.7 | 2797.8 | 2866.5 | 2891.0 | 2894.6 | 2895.5 | 2885.5 | 2874.7 | 2869.3 |
| 25° | 2654.8 | 2617.7 | 2658.4 | 2717.2 | 2767.9 | 2794.2 | 2824.0 | 2834.0 | 2830.4 | 2830.4 | 2824.9 |
| 27.5° | 2172.5 | 2605.9 | 2584.2 | 2623.1 | 2684.7 | 2702.8 | 2718.2 | 2748.9 | 2767.9 | 2781.5 | 2787.8 |
| 30° | 2069.4 | 2147.2 | 2526.3 | 2531.8 | 2594.2 | 2592.4 | 2609.6 | 2634.9 | 2659.3 | 2691.0 | 2699.1 |
| 32.5° | 1830.5 | 2021.4 | 2312.8 | 2440.4 | 2505.5 | 2511.8 | 2520.9 | 2528.1 | 2550.8 | 2586.0 | 2616.8 |
| 35° | 1466.8 | 1841.4 | 1981.6 | 2396.9 | 2408.7 | 2421.4 | 2426.8 | 2444.0 | 2451.2 | 2465.7 | 2492.8 |
| 37.5° | 1327.4 | 1521.9 | 1901.1 | 2073.0 | 2297.4 | 2308.3 | 2337.2 | 2344.4 | 2356.2 | 2368.0 | 2388.8 |
| 40° | 1246.9 | 1300.3 | 1582.6 | 1851.3 | 2207.8 | 2215.1 | 2225.0 | 2243.1 | 2244.0 | 2257.6 | 2276.6 |
| 42.5° | 1182.6 | 1217.0 | 1299.4 | 1768.1 | 2144.5 | 2143.6 | 2120.0 | 2131.8 | 2137.2 | 2151.7 | 2178.0 |
| 45° | 944.7 | 1141.9 | 1194.4 | 1444.1 | 1707.4 | 1830.5 | 2066.7 | 2027.8 | 2026.8 | 2032.3 | 2060.3 |
| 47.5° | 48.0 | 1074.0 | 1111.1 | 1191.7 | 1612.4 | 1617.0 | 1647.7 | 1906.5 | 1946.3 | 1933.7 | 1936.4 |
| 50° | 32.6 | 74.2 | 1035.1 | 1072.2 | 1389.8 | 1502.0 | 1524.7 | 1536.4 | 1685.7 | 1852.2 | 1825.1 |
| 52.5° | 25.3 | 42.5 | 634.3 | 995.3 | 1129.2 | 1211.6 | 1357.3 | 1440.5 | 1449.6 | 1516.5 | 1743.6 |
| 55° | 22.6 | 32.6 | 68.8 | 918.4 | 960.0 | 978.1 | 1063.2 | 1208.9 | 1326.5 | 1361.8 | 1364.5 |
| 57.5° | 19.9 | 29.9 | 47.1 | 415.3 | 873.2 | 876.8 | 891.3 | 941.9 | 1047.8 | 1144.6 | 1254.1 |
| 60° | 18.1 | 26.2 | 37.1 | 71.5 | 793.5 | 802.6 | 805.3 | 818.9 | 831.6 | 897.6 | 1023.4 |
| 62.5° | 10.9 | 20.8 | 32.6 | 51.6 | 628.0 | 721.2 | 720.3 | 729.3 | 741.1 | 748.3 | 773.6 |
| 65° | 9.0 | 16.3 | 28.1 | 43.4 | 76.9 | 95.9 | 582.7 | 647.9 | 655.1 | 665.1 | 669.6 |
| 67.5° | 8.1 | 14.5 | 20.8 | 34.4 | 57.9 | 66.1 | 76.0 | 94.1 | 514.0 | 579.1 | 588.1 |
| 70° | 7.2 | 10.0 | 17.2 | 29.0 | 47.1 | 50.7 | 57.0 | 65.1 | 76.9 | 95.0 | 465.1 |
| 72.5° | 4.5 | 7.2 | 11.8 | 20.8 | 36.2 | 40.7 | 44.3 | 49.8 | 55.2 | 66.1 | 76.0 |
| 75° | 1.8 | 5.4 | 10.0 | 15.4 | 28.1 | 30.8 | 33.5 | 37.1 | 41.6 | 48.9 | 54.3 |
| 77.5° | 1.8 | 4.5 | 8.1 | 10.9 | 18.1 | 20.8 | 24.4 | 27.1 | 30.8 | 34.4 | 39.8 |
| 80° | 6.3 | 3.6 | 5.4 | 8.1 | 12.7 | 13.6 | 15.4 | 17.2 | 19.9 | 22.6 | 26.2 |
| 82.5° | 4.5 | 5.4 | 6.3 | 5.4 | 6.3 | 8.1 | 9.0 | 10.9 | 11.8 | 13.6 | 14.5 |
| 85° | 3.6 | 3.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 5.4 | 6.3 | 8.1 |
| 87.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 167° | 168° | 169° | 170° | 171° | 172° | 173° | 174° | 175° | 176° | 177° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3005.0 | 3003.2 | 2997.7 | 2997.7 | 2996.8 | 3000.5 | 3003.2 | 3005.9 | 3005.0 | 3010.4 | 3005.0 |
| 5° | 3027.6 | 3023.1 | 3014.9 | 3007.7 | 3005.0 | 3006.8 | 3004.1 | 3006.8 | 3003.2 | 3007.7 | 2999.6 |
| 7.5° | 3090.0 | 3074.7 | 3043.0 | 3030.3 | 3014.0 | 3013.1 | 3005.0 | 3003.2 | 2997.7 | 2997.7 | 2987.8 |
| 10° | 3200.4 | 3126.2 | 3117.2 | 3079.2 | 3065.6 | 2999.6 | 3014.0 | 2989.6 | 2986.9 | 2975.1 | 2970.6 |
| 12.5° | 3290.9 | 3233.0 | 3215.8 | 3182.3 | 3144.3 | 3010.4 | 3040.3 | 2987.8 | 2985.1 | 2961.6 | 2937.1 |
| 15° | 3292.7 | 3326.2 | 3279.2 | 3186.9 | 3178.7 | 3086.4 | 3025.8 | 3007.7 | 2984.2 | 2913.6 | 2925.4 |
| 17.5° | 3186.9 | 3263.8 | 3286.4 | 3266.5 | 3208.6 | 3146.1 | 3061.1 | 3024.9 | 2954.3 | 2922.6 | 2900.9 |
| 20° | 3014.9 | 3092.8 | 3189.6 | 3195.9 | 3232.1 | 3187.8 | 3076.5 | 3017.7 | 2932.6 | 2877.4 | 2859.3 |
| 22.5° | 2878.3 | 2935.3 | 3046.6 | 3098.2 | 3142.5 | 3157.9 | 3087.3 | 3000.5 | 2894.6 | 2841.2 | 2830.4 |
| 25° | 2805.9 | 2818.6 | 2852.1 | 2912.7 | 3010.4 | 3081.0 | 3090.9 | 2998.7 | 2943.5 | 2826.7 | 2765.2 |
| 27.5° | 2779.7 | 2768.8 | 2755.2 | 2786.0 | 2859.3 | 2945.3 | 3002.3 | 3017.7 | 2880.1 | 2768.8 | 2707.3 |
| 30° | 2712.7 | 2719.1 | 2698.2 | 2687.4 | 2735.3 | 2824.0 | 2925.4 | 2950.7 | 2844.8 | 2729.9 | 2659.3 |
| 32.5° | 2630.4 | 2641.2 | 2644.9 | 2625.9 | 2615.9 | 2677.4 | 2786.9 | 2847.5 | 2842.1 | 2674.7 | 2596.0 |
| 35° | 2527.2 | 2558.0 | 2566.1 | 2567.0 | 2550.8 | 2540.8 | 2604.1 | 2729.9 | 2777.9 | 2649.4 | 2535.4 |
| 37.5° | 2418.6 | 2427.7 | 2472.0 | 2483.8 | 2483.8 | 2453.9 | 2501.0 | 2601.4 | 2668.4 | 2592.4 | 2461.2 |
| 40° | 2282.9 | 2311.9 | 2353.5 | 2374.3 | 2395.1 | 2397.8 | 2371.6 | 2442.2 | 2552.6 | 2533.6 | 2391.5 |
| 42.5° | 2184.3 | 2203.3 | 2228.6 | 2256.7 | 2299.2 | 2310.1 | 2282.9 | 2295.6 | 2410.5 | 2460.3 | 2301.0 |
| 45° | 2069.4 | 2094.7 | 2102.0 | 2132.7 | 2177.1 | 2208.7 | 2207.8 | 2181.6 | 2273.9 | 2335.4 | 2235.0 |
| 47.5° | 1951.7 | 1976.2 | 1988.8 | 2004.2 | 2036.8 | 2077.5 | 2100.1 | 2088.4 | 2106.5 | 2226.8 | 2147.2 |
| 50° | 1830.5 | 1844.1 | 1869.4 | 1886.6 | 1908.3 | 1931.8 | 1986.1 | 1997.0 | 1971.7 | 2067.6 | 2050.4 |
| 52.5° | 1715.6 | 1720.1 | 1737.3 | 1754.5 | 1783.4 | 1800.6 | 1844.1 | 1876.6 | 1874.8 | 1902.9 | 1942.7 |
| 55° | 1626.0 | 1606.1 | 1609.7 | 1623.3 | 1642.3 | 1668.5 | 1693.0 | 1743.6 | 1760.8 | 1766.3 | 1829.6 |
| 57.5° | 1270.4 | 1474.9 | 1493.0 | 1492.1 | 1514.7 | 1526.5 | 1549.1 | 1582.6 | 1644.1 | 1630.5 | 1701.1 |
| 60° | 1154.6 | 1177.2 | 1348.2 | 1368.1 | 1376.3 | 1387.1 | 1414.3 | 1445.0 | 1490.3 | 1519.2 | 1550.0 |
| 62.5° | 880.4 | 1017.9 | 1069.5 | 1220.6 | 1244.2 | 1250.5 | 1268.6 | 1283.1 | 1330.1 | 1396.2 | 1383.5 |
| 65° | 681.3 | 740.2 | 897.6 | 959.1 | 1087.6 | 1103.9 | 1129.2 | 1144.6 | 1158.2 | 1234.2 | 1237.8 |
| 67.5° | 589.1 | 598.1 | 640.6 | 759.2 | 840.6 | 966.4 | 981.8 | 995.3 | 1016.1 | 1070.4 | 1103.9 |
| 70° | 503.1 | 514.0 | 525.7 | 535.7 | 641.5 | 724.8 | 841.5 | 846.0 | 859.6 | 895.8 | 971.8 |
| 72.5° | 95.0 | 429.8 | 437.0 | 443.4 | 455.1 | 510.3 | 621.6 | 712.1 | 717.5 | 734.7 | 804.4 |
| 75° | 64.2 | 75.1 | 103.2 | 354.7 | 366.5 | 370.1 | 389.1 | 502.2 | 585.4 | 589.1 | 619.8 |
| 77.5° | 46.1 | 51.6 | 62.4 | 74.2 | 189.1 | 284.1 | 288.6 | 309.5 | 395.4 | 457.9 | 463.3 |
| 80° | 31.7 | 35.3 | 41.6 | 47.1 | 57.9 | 76.0 | 209.9 | 216.3 | 227.1 | 313.1 | 329.4 |
| 82.5° | 18.1 | 20.8 | 24.4 | 29.9 | 34.4 | 43.4 | 56.1 | 72.4 | 147.5 | 157.4 | 209.0 |
| 85° | 9.0 | 10.0 | 11.8 | 14.5 | 17.2 | 20.8 | 28.1 | 34.4 | 47.1 | 85.1 | 87.8 |
| 87.5° | 4.5 | 4.5 | 4.5 | 4.5 | 7.2 | 8.1 | 10.0 | 12.7 | 16.3 | 24.4 | 31.7 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 178° | 179° | 180° | 181° | 182° | 183° | 184° | 185° | 186° | 187° | 188° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3005.9 | 3018.6 | 3029.4 | 3032.1 | 3032.1 | 3033.9 | 3036.7 | 3038.5 | 3040.3 | 3042.1 | 3040.3 |
| 5° | 3000.5 | 3014.0 | 3023.1 | 3025.8 | 3025.8 | 3031.2 | 3035.8 | 3041.2 | 3043.9 | 3043.9 | 3042.1 |
| 7.5° | 2986.9 | 2996.8 | 3008.6 | 3015.8 | 3016.7 | 3025.8 | 3033.9 | 3033.0 | 3036.7 | 3038.5 | 3043.0 |
| 10° | 2968.8 | 2968.8 | 2988.7 | 2994.1 | 2998.7 | 3008.6 | 3011.3 | 3016.7 | 3029.4 | 3031.2 | 3043.0 |
| 12.5° | 2959.7 | 2950.7 | 2974.2 | 2976.9 | 2992.3 | 2979.7 | 2995.9 | 3001.4 | 2988.7 | 3005.9 | 2983.3 |
| 15° | 2919.0 | 2929.9 | 2926.3 | 2934.4 | 2961.6 | 2947.1 | 2991.4 | 2976.9 | 3009.5 | 2970.6 | 3039.4 |
| 17.5° | 2885.5 | 2883.7 | 2898.2 | 2905.5 | 2910.9 | 2941.6 | 2953.4 | 2969.7 | 2982.4 | 2971.5 | 2998.7 |
| 20° | 2861.1 | 2846.6 | 2857.5 | 2865.6 | 2884.6 | 2908.2 | 2915.4 | 2891.0 | 2933.5 | 3005.9 | 3023.1 |
| 22.5° | 2815.0 | 2805.0 | 2817.7 | 2817.7 | 2846.6 | 2843.0 | 2870.2 | 2854.8 | 2894.6 | 2978.7 | 3066.5 |
| 25° | 2752.5 | 2753.4 | 2767.0 | 2783.3 | 2788.7 | 2829.4 | 2843.9 | 2863.8 | 2913.6 | 3014.0 | 3067.4 |
| 27.5° | 2689.2 | 2683.8 | 2691.9 | 2725.4 | 2753.4 | 2783.3 | 2787.8 | 2855.7 | 2923.5 | 2992.3 | 3039.4 |
| 30° | 2625.9 | 2620.4 | 2625.9 | 2650.3 | 2683.8 | 2703.7 | 2753.4 | 2843.9 | 2907.3 | 2954.3 | 2998.7 |
| 32.5° | 2558.0 | 2552.6 | 2565.2 | 2583.3 | 2642.1 | 2644.9 | 2743.5 | 2828.5 | 2878.3 | 2912.7 | 2904.5 |
| 35° | 2485.6 | 2478.4 | 2490.1 | 2518.2 | 2572.5 | 2592.4 | 2695.5 | 2758.9 | 2815.0 | 2831.3 | 2793.3 |
| 37.5° | 2398.7 | 2386.1 | 2400.6 | 2439.5 | 2496.5 | 2554.4 | 2640.3 | 2713.6 | 2743.5 | 2700.1 | 2654.8 |
| 40° | 2308.3 | 2299.2 | 2324.5 | 2344.4 | 2411.4 | 2491.9 | 2590.6 | 2642.1 | 2623.1 | 2573.4 | 2523.6 |
| 42.5° | 2227.7 | 2208.7 | 2231.3 | 2269.3 | 2345.4 | 2436.7 | 2516.4 | 2545.3 | 2500.1 | 2426.8 | 2368.9 |
| 45° | 2129.1 | 2106.5 | 2133.6 | 2184.3 | 2265.7 | 2369.8 | 2432.2 | 2422.3 | 2345.4 | 2282.0 | 2202.4 |
| 47.5° | 2025.9 | 1998.8 | 2025.9 | 2086.6 | 2178.0 | 2288.3 | 2333.6 | 2288.3 | 2191.5 | 2111.9 | 2047.7 |
| 50° | 1924.6 | 1892.9 | 1919.2 | 2010.6 | 2100.1 | 2185.2 | 2184.3 | 2096.5 | 2038.6 | 1951.7 | 1895.6 |
| 52.5° | 1824.2 | 1778.9 | 1805.2 | 1904.7 | 1994.3 | 2091.1 | 2019.6 | 1938.2 | 1868.5 | 1792.5 | 1774.4 |
| 55° | 1700.2 | 1651.3 | 1686.6 | 1831.4 | 1900.2 | 1957.2 | 1843.2 | 1771.7 | 1702.9 | 1664.9 | 1642.3 |
| 57.5° | 1582.6 | 1529.2 | 1560.0 | 1731.0 | 1781.6 | 1796.1 | 1691.2 | 1589.8 | 1549.1 | 1536.4 | 1503.9 |
| 60° | 1461.3 | 1400.7 | 1429.7 | 1626.9 | 1662.2 | 1603.4 | 1500.2 | 1421.5 | 1413.4 | 1388.0 | 1362.7 |
| 62.5° | 1345.5 | 1278.5 | 1296.6 | 1497.5 | 1513.8 | 1407.0 | 1312.0 | 1291.2 | 1271.3 | 1246.0 | 1232.4 |
| 65° | 1212.5 | 1142.8 | 1168.2 | 1360.0 | 1344.6 | 1207.1 | 1153.7 | 1149.2 | 1122.9 | 1102.1 | 1122.0 |
| 67.5° | 1090.3 | 1008.0 | 1043.3 | 1209.8 | 1140.1 | 1027.9 | 1006.2 | 995.3 | 974.5 | 986.3 | 777.3 |
| 70° | 956.4 | 866.8 | 914.8 | 1047.8 | 944.7 | 870.5 | 862.3 | 846.0 | 846.9 | 673.2 | 567.3 |
| 72.5° | 807.1 | 729.3 | 799.0 | 870.5 | 747.4 | 725.7 | 713.9 | 712.1 | 574.6 | 466.9 | 440.7 |
| 75° | 675.9 | 597.2 | 672.3 | 699.4 | 595.4 | 580.9 | 580.0 | 479.6 | 377.3 | 360.1 | 352.0 |
| 77.5° | 527.5 | 466.9 | 538.4 | 497.7 | 456.9 | 440.7 | 395.4 | 296.8 | 284.1 | 272.4 | 102.2 |
| 80° | 355.6 | 360.1 | 401.8 | 342.9 | 325.7 | 277.8 | 219.0 | 209.9 | 181.0 | 72.4 | 57.0 |
| 82.5° | 216.3 | 271.5 | 256.1 | 214.4 | 209.9 | 151.1 | 138.4 | 70.6 | 52.5 | 41.6 | 36.2 |
| 85° | 112.2 | 137.5 | 132.1 | 116.7 | 86.9 | 77.8 | 43.4 | 33.5 | 27.1 | 20.8 | 17.2 |
| 87.5° | 38.0 | 50.7 | 48.9 | 38.9 | 29.9 | 23.5 | 15.4 | 12.7 | 9.0 | 7.2 | 6.3 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 189° | 190° | 191° | 192° | 193° | 194° | 195° | 196° | 197° | 198° | 199° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3038.5 | 3038.5 | 3036.7 | 3038.5 | 3039.4 | 3037.6 | 3037.6 | 3039.4 | 3040.3 | 3041.2 | 3045.7 |
| 5° | 3043.0 | 3044.8 | 3047.5 | 3052.9 | 3053.8 | 3064.7 | 3069.2 | 3071.9 | 3074.7 | 3075.6 | 3069.2 |
| 7.5° | 3052.9 | 3059.3 | 3064.7 | 3063.8 | 3057.5 | 3040.3 | 3034.8 | 3030.3 | 3038.5 | 3059.3 | 3083.7 |
| 10° | 3062.0 | 3033.0 | 2978.7 | 3052.9 | 3030.3 | 3051.1 | 3112.7 | 3126.2 | 3167.9 | 3226.7 | 3243.9 |
| 12.5° | 2999.6 | 3079.2 | 3096.4 | 3013.1 | 3167.0 | 3109.9 | 3177.8 | 3237.5 | 3254.7 | 3314.4 | 3278.2 |
| 15° | 3066.5 | 3105.4 | 3131.7 | 3214.9 | 3205.9 | 3254.7 | 3273.7 | 3262.0 | 3264.7 | 3280.1 | 3320.8 |
| 17.5° | 3065.6 | 3143.4 | 3160.6 | 3216.7 | 3254.7 | 3255.6 | 3250.2 | 3244.8 | 3259.2 | 3271.0 | 3246.6 |
| 20° | 3118.1 | 3143.4 | 3176.9 | 3199.5 | 3206.8 | 3215.8 | 3233.0 | 3219.4 | 3192.3 | 3166.0 | 3155.2 |
| 22.5° | 3091.9 | 3148.9 | 3177.8 | 3181.4 | 3176.9 | 3148.9 | 3123.5 | 3085.5 | 3072.8 | 3059.3 | 3063.8 |
| 25° | 3097.3 | 3123.5 | 3119.9 | 3105.4 | 3086.4 | 3033.9 | 3021.3 | 3005.0 | 2980.6 | 2921.7 | 2868.4 |
| 27.5° | 3058.4 | 3044.8 | 3028.5 | 2993.2 | 2958.8 | 2930.8 | 2899.1 | 2846.6 | 2803.2 | 2739.9 | 2716.3 |
| 30° | 2993.2 | 2938.9 | 2899.1 | 2878.3 | 2844.8 | 2797.8 | 2749.8 | 2685.6 | 2630.4 | 2617.7 | 2605.9 |
| 32.5° | 2868.4 | 2815.0 | 2782.4 | 2731.7 | 2674.7 | 2618.6 | 2563.4 | 2538.1 | 2526.3 | 2528.1 | 2517.3 |
| 35° | 2740.8 | 2693.7 | 2644.9 | 2568.9 | 2526.3 | 2470.2 | 2450.3 | 2444.9 | 2434.0 | 2422.3 | 2409.6 |
| 37.5° | 2605.0 | 2549.8 | 2476.6 | 2431.3 | 2388.8 | 2366.2 | 2356.2 | 2348.1 | 2329.1 | 2308.3 | 2293.8 |
| 40° | 2473.8 | 2374.3 | 2333.6 | 2289.3 | 2276.6 | 2266.6 | 2252.2 | 2232.2 | 2206.0 | 2202.4 | 2196.1 |
| 42.5° | 2298.3 | 2226.8 | 2191.5 | 2182.5 | 2167.1 | 2149.9 | 2137.2 | 2115.5 | 2104.7 | 2111.9 | 2117.3 |
| 45° | 2131.8 | 2095.6 | 2083.9 | 2073.0 | 2044.0 | 2019.6 | 2011.5 | 2004.2 | 2013.3 | 2053.1 | 1958.1 |
| 47.5° | 1997.0 | 1982.5 | 1968.0 | 1949.9 | 1922.8 | 1904.7 | 1912.8 | 1920.1 | 1928.2 | 1636.0 | 1493.0 |
| 50° | 1880.3 | 1860.4 | 1837.7 | 1817.8 | 1801.5 | 1799.7 | 1842.3 | 1714.7 | 1436.0 | 1428.7 | 1284.0 |
| 52.5° | 1752.7 | 1722.8 | 1709.2 | 1697.5 | 1704.7 | 1731.9 | 1433.3 | 1330.1 | 1275.8 | 1108.4 | 1034.2 |
| 55° | 1615.1 | 1588.9 | 1588.9 | 1599.8 | 1560.9 | 1265.0 | 1249.6 | 1080.4 | 978.1 | 949.2 | 937.4 |
| 57.5° | 1477.6 | 1474.9 | 1490.3 | 1362.7 | 1148.2 | 1101.2 | 925.7 | 888.6 | 872.3 | 868.6 | 849.6 |
| 60° | 1351.8 | 1377.2 | 1152.8 | 1060.5 | 922.0 | 831.6 | 806.2 | 801.7 | 784.5 | 778.2 | 761.0 |
| 62.5° | 1251.4 | 1037.9 | 966.4 | 789.0 | 742.9 | 731.1 | 717.5 | 711.2 | 695.8 | 614.4 | 180.1 |
| 65° | 903.9 | 854.2 | 693.1 | 663.3 | 659.6 | 642.4 | 637.0 | 572.8 | 134.8 | 90.5 | 76.9 |
| 67.5° | 682.3 | 605.3 | 584.5 | 579.1 | 561.9 | 527.5 | 156.5 | 89.6 | 76.9 | 67.0 | 58.8 |
| 70° | 523.9 | 510.3 | 494.9 | 482.3 | 142.1 | 88.7 | 76.9 | 65.1 | 56.1 | 49.8 | 45.2 |
| 72.5° | 428.9 | 419.8 | 244.3 | 93.2 | 76.0 | 64.2 | 57.0 | 49.8 | 43.4 | 39.8 | 36.2 |
| 75° | 335.7 | 93.2 | 76.9 | 64.2 | 55.2 | 47.1 | 41.6 | 37.1 | 33.5 | 30.8 | 28.1 |
| 77.5° | 76.0 | 61.5 | 52.5 | 44.3 | 39.8 | 35.3 | 31.7 | 27.1 | 24.4 | 21.7 | 18.1 |
| 80° | 47.1 | 40.7 | 34.4 | 31.7 | 27.1 | 22.6 | 19.9 | 18.1 | 14.5 | 13.6 | 11.8 |
| 82.5° | 30.8 | 24.4 | 21.7 | 18.1 | 14.5 | 13.6 | 11.8 | 9.0 | 8.1 | 7.2 | 6.3 |
| 85° | 13.6 | 11.8 | 10.0 | 8.1 | 6.3 | 5.4 | 4.5 | 3.6 | 3.6 | 3.6 | 3.6 |
| 87.5° | 4.5 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 200° | 205° | 210° | 215° | 220° | 225° | 230° | 235° | 240° | 245° | 250° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3047.5 | 3063.8 | 3079.2 | 3074.7 | 3058.4 | 3033.0 | 3025.8 | 3015.8 | 3023.1 | 3038.5 | 3044.8 |
| 5° | 3069.2 | 3060.2 | 3092.8 | 3140.7 | 3218.5 | 3225.8 | 3280.1 | 3292.7 | 3336.2 | 3363.3 | 3362.4 |
| 7.5° | 3100.0 | 3228.5 | 3281.9 | 3339.8 | 3366.0 | 3359.7 | 3367.8 | 3361.5 | 3351.5 | 3347.0 | 3341.6 |
| 10° | 3256.5 | 3354.3 | 3374.2 | 3374.2 | 3333.4 | 3278.2 | 3254.7 | 3214.0 | 3132.6 | 3134.4 | 3120.8 |
| 12.5° | 3347.9 | 3382.3 | 3335.3 | 3295.4 | 3131.7 | 3068.3 | 2999.6 | 2967.0 | 2948.0 | 2919.0 | 2929.9 |
| 15° | 3300.0 | 3251.1 | 3223.1 | 3094.6 | 2994.1 | 2880.1 | 2881.9 | 2862.0 | 2841.2 | 2843.0 | 2829.4 |
| 17.5° | 3229.4 | 3190.5 | 2991.4 | 2902.7 | 2853.9 | 2809.5 | 2801.4 | 2775.2 | 2761.6 | 2757.1 | 2756.2 |
| 20° | 3132.6 | 2992.3 | 2843.9 | 2822.2 | 2763.4 | 2712.7 | 2704.6 | 2712.7 | 2754.3 | 2680.1 | 2428.6 |
| 22.5° | 3019.5 | 2817.7 | 2774.3 | 2712.7 | 2672.9 | 2653.0 | 2702.8 | 2476.6 | 2134.5 | 2176.1 | 2131.8 |
| 25° | 2827.6 | 2739.9 | 2665.7 | 2618.6 | 2614.1 | 2491.9 | 2076.6 | 2033.2 | 1813.3 | 1695.7 | 1563.6 |
| 27.5° | 2687.4 | 2649.4 | 2571.6 | 2563.4 | 2504.6 | 2037.7 | 1821.5 | 1582.6 | 1494.8 | 1481.2 | 1452.3 |
| 30° | 2602.3 | 2548.0 | 2501.0 | 2295.6 | 1998.8 | 1640.5 | 1461.3 | 1427.8 | 1412.5 | 1396.2 | 1370.8 |
| 32.5° | 2500.1 | 2448.5 | 2471.1 | 1930.0 | 1593.4 | 1412.5 | 1376.3 | 1351.8 | 1323.8 | 1312.9 | 1221.5 |
| 35° | 2396.0 | 2372.5 | 1930.9 | 1622.4 | 1369.9 | 1326.5 | 1299.4 | 1274.0 | 1013.4 | 245.2 | 83.2 |
| 37.5° | 2284.7 | 2279.3 | 1735.5 | 1346.4 | 1283.1 | 1242.4 | 1165.4 | 240.7 | 57.0 | 38.9 | 29.0 |
| 40° | 2197.9 | 1736.4 | 1371.7 | 1262.3 | 1210.7 | 1146.4 | 161.1 | 39.8 | 25.3 | 15.4 | 10.0 |
| 42.5° | 2140.0 | 1561.8 | 1227.9 | 1184.4 | 1072.2 | 118.5 | 40.7 | 17.2 | 10.0 | 8.1 | 6.3 |
| 45° | 1649.5 | 1233.3 | 1147.3 | 1102.1 | 135.7 | 40.7 | 23.5 | 8.1 | 6.3 | 5.4 | 3.6 |
| 47.5° | 1521.9 | 1120.2 | 1069.5 | 240.7 | 45.2 | 21.7 | 16.3 | 5.4 | 3.6 | 3.6 | 3.6 |
| 50° | 1152.8 | 1035.1 | 851.5 | 58.8 | 29.0 | 15.4 | 11.8 | 3.6 | 3.6 | 3.6 | 2.7 |
| 52.5° | 1010.7 | 955.5 | 91.4 | 38.9 | 22.6 | 11.8 | 7.2 | 2.7 | 2.7 | 2.7 | 2.7 |
| 55° | 923.8 | 606.2 | 54.3 | 29.9 | 19.0 | 10.9 | 4.5 | 2.7 | 2.7 | 2.7 | 1.8 |
| 57.5° | 845.1 | 81.4 | 39.8 | 25.3 | 17.2 | 10.0 | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 |
| 60° | 716.6 | 58.8 | 32.6 | 22.6 | 16.3 | 9.0 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62.5° | 93.2 | 46.1 | 28.1 | 19.9 | 11.8 | 7.2 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 65° | 67.9 | 36.2 | 25.3 | 13.6 | 7.2 | 2.7 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 67.5° | 52.5 | 29.9 | 19.0 | 11.8 | 6.3 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 70° | 41.6 | 25.3 | 15.4 | 10.0 | 5.4 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 72.5° | 32.6 | 18.1 | 10.9 | 5.4 | 3.6 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 75° | 24.4 | 14.5 | 8.1 | 4.5 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 77.5° | 16.3 | 9.0 | 6.3 | 3.6 | 3.6 | 3.6 | 4.5 | 4.5 | 2.7 | 2.7 | 2.7 |
| 80° | 10.9 | 6.3 | 4.5 | 4.5 | 4.5 | 3.6 | 4.5 | 4.5 | 2.7 | 4.5 | 2.7 |
| 82.5° | 5.4 | 4.5 | 4.5 | 3.6 | 3.6 | 2.7 | 3.6 | 3.6 | 3.6 | 3.6 | 2.7 |
| 85° | 3.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 2.7 |
| 87.5° | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 2.7 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 255° | 260° | 265° | 270° | 275° | 280° | 285° | 290° | 295° | 300° | 305° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3036.7 | 3039.4 | 3032.1 | 3071.0 | 3051.1 | 3052.9 | 3061.1 | 3040.3 | 3044.8 | 3030.3 | 3020.4 |
| 5° | 3366.0 | 3371.4 | 3376.9 | 3378.7 | 3382.3 | 3386.8 | 3381.4 | 3378.7 | 3373.3 | 3355.2 | 3336.2 |
| 7.5° | 3314.4 | 3308.1 | 3305.4 | 3309.0 | 3315.3 | 3318.1 | 3313.5 | 3319.9 | 3343.4 | 3353.4 | 3359.7 |
| 10° | 3043.0 | 3014.0 | 3033.9 | 3031.2 | 3008.6 | 3084.6 | 3063.8 | 3075.6 | 3083.7 | 3167.0 | 3217.6 |
| 12.5° | 2913.6 | 2931.7 | 2897.3 | 2880.1 | 2902.7 | 2918.1 | 2933.5 | 2900.9 | 2946.2 | 2925.4 | 2992.3 |
| 15° | 2805.0 | 2794.2 | 2790.5 | 2791.4 | 2786.9 | 2808.6 | 2814.1 | 2821.3 | 2827.6 | 2855.7 | 2866.5 |
| 17.5° | 2756.2 | 2774.3 | 2781.5 | 2786.9 | 2777.9 | 2767.9 | 2758.0 | 2743.5 | 2748.0 | 2740.8 | 2761.6 |
| 20° | 2259.4 | 2198.8 | 2195.2 | 2230.4 | 2191.5 | 2213.2 | 2265.7 | 2616.8 | 2605.0 | 2741.7 | 2695.5 |
| 22.5° | 1885.7 | 1828.7 | 1779.8 | 1737.3 | 1797.9 | 1823.3 | 1921.0 | 2031.4 | 2210.5 | 2182.5 | 2377.0 |
| 25° | 1540.0 | 1519.2 | 1506.6 | 1500.2 | 1504.8 | 1502.9 | 1524.7 | 1576.2 | 1657.7 | 1849.5 | 2097.4 |
| 27.5° | 1440.5 | 1430.6 | 1426.0 | 1411.6 | 1422.4 | 1418.8 | 1436.0 | 1446.8 | 1471.3 | 1490.3 | 1570.8 |
| 30° | 1361.8 | 1350.0 | 1341.9 | 1326.5 | 1337.4 | 1338.3 | 1343.7 | 1371.7 | 1381.7 | 1398.0 | 1423.3 |
| 32.5° | 497.7 | 293.2 | 275.1 | 261.5 | 285.9 | 372.8 | 654.2 | 1143.7 | 1304.8 | 1317.5 | 1346.4 |
| 35° | 48.9 | 40.7 | 36.2 | 36.2 | 37.1 | 40.7 | 54.3 | 143.0 | 261.5 | 1010.7 | 1265.0 |
| 37.5° | 19.0 | 16.3 | 13.6 | 12.7 | 13.6 | 15.4 | 20.8 | 27.1 | 37.1 | 76.9 | 342.9 |
| 40° | 8.1 | 7.2 | 6.3 | 6.3 | 6.3 | 6.3 | 7.2 | 9.0 | 13.6 | 25.3 | 39.8 |
| 42.5° | 5.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 6.3 | 8.1 | 16.3 |
| 45° | 3.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 4.5 | 7.2 |
| 47.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 |
| 50° | 2.7 | 2.7 | 2.7 | 2.7 | 1.8 | 2.7 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 52.5° | 2.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 |
| 55° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 |
| 57.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 60° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 | 1.8 |
| 65° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 1.8 |
| 67.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 70° | 2.7 | 2.7 | 1.8 | 2.7 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 |
| 72.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 5.4 | 5.4 | 3.6 |
| 75° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 4.5 | 5.4 | 4.5 |
| 77.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 4.5 | 4.5 | 4.5 |
| 80° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 |
| 82.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 |
| 85° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 87.5° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 310° | 315° | 320° | 325° | 330° | 335° | 340° | 341° | 342° | 343° | 344° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3003.2 | 3002.3 | 3021.3 | 3035.8 | 3030.3 | 3035.8 | 3042.1 | 3043.0 | 3044.8 | 3037.6 | 3034.8 |
| 5° | 3300.0 | 3271.9 | 3217.6 | 3178.7 | 3133.5 | 3051.1 | 3010.4 | 3014.9 | 3015.8 | 3013.1 | 3016.7 |
| 7.5° | 3357.0 | 3354.3 | 3335.3 | 3327.1 | 3296.3 | 3237.5 | 3143.4 | 3127.1 | 3087.3 | 3062.0 | 3041.2 |
| 10° | 3214.0 | 3279.2 | 3296.3 | 3325.3 | 3343.4 | 3332.5 | 3252.9 | 3241.1 | 3215.8 | 3186.9 | 3193.2 |
| 12.5° | 3059.3 | 3112.7 | 3115.4 | 3272.8 | 3308.1 | 3311.7 | 3281.0 | 3297.3 | 3300.9 | 3235.7 | 3197.7 |
| 15° | 2869.3 | 2894.6 | 2948.0 | 3094.6 | 3201.3 | 3268.3 | 3288.2 | 3297.3 | 3252.9 | 3250.2 | 3234.8 |
| 17.5° | 2786.0 | 2802.3 | 2826.7 | 2909.1 | 3071.0 | 3169.7 | 3253.8 | 3247.5 | 3264.7 | 3252.0 | 3213.1 |
| 20° | 2681.1 | 2694.6 | 2738.1 | 2779.7 | 2859.3 | 2990.5 | 3148.0 | 3159.7 | 3182.3 | 3179.6 | 3190.5 |
| 22.5° | 2679.2 | 2631.3 | 2638.5 | 2671.1 | 2754.3 | 2872.0 | 3039.4 | 3078.3 | 3092.8 | 3102.7 | 3114.5 |
| 25° | 2125.5 | 2506.4 | 2576.1 | 2596.9 | 2651.2 | 2720.0 | 2917.2 | 2931.7 | 2958.8 | 3003.2 | 3035.8 |
| 27.5° | 1841.4 | 2100.1 | 2378.8 | 2523.6 | 2558.0 | 2615.0 | 2732.6 | 2754.3 | 2846.6 | 2857.5 | 2908.2 |
| 30° | 1453.2 | 1653.1 | 2069.4 | 2417.7 | 2474.7 | 2514.6 | 2597.8 | 2641.2 | 2681.1 | 2724.5 | 2777.9 |
| 32.5° | 1367.2 | 1398.9 | 1629.6 | 2000.6 | 2444.0 | 2414.1 | 2475.7 | 2501.9 | 2545.3 | 2583.3 | 2622.2 |
| 35° | 1288.5 | 1310.2 | 1359.1 | 1638.7 | 1990.7 | 2331.8 | 2373.4 | 2390.6 | 2415.0 | 2444.0 | 2472.0 |
| 37.5° | 1206.2 | 1238.7 | 1272.2 | 1347.3 | 1841.4 | 2266.6 | 2265.7 | 2285.6 | 2300.1 | 2324.5 | 2348.1 |
| 40° | 219.0 | 1137.4 | 1191.7 | 1240.5 | 1427.8 | 1807.9 | 2164.4 | 2173.4 | 2183.4 | 2198.8 | 2223.2 |
| 42.5° | 35.3 | 190.0 | 1116.6 | 1163.6 | 1217.0 | 1618.8 | 2118.2 | 2081.1 | 2074.8 | 2085.7 | 2107.4 |
| 45° | 18.1 | 46.1 | 224.4 | 1086.7 | 1134.7 | 1291.2 | 1731.9 | 2016.9 | 2010.6 | 1989.8 | 1994.3 |
| 47.5° | 13.6 | 29.0 | 55.2 | 375.5 | 1062.3 | 1108.4 | 1598.0 | 1580.8 | 1701.1 | 1931.8 | 1896.6 |
| 50° | 11.8 | 19.9 | 32.6 | 76.9 | 938.3 | 1020.7 | 1230.6 | 1437.8 | 1501.1 | 1509.3 | 1786.2 |
| 52.5° | 10.9 | 13.6 | 23.5 | 49.8 | 197.3 | 943.8 | 1000.8 | 1073.1 | 1179.9 | 1408.8 | 1403.4 |
| 55° | 10.0 | 12.7 | 19.9 | 33.5 | 68.8 | 850.6 | 909.4 | 922.9 | 945.6 | 1055.0 | 1199.8 |
| 57.5° | 5.4 | 11.8 | 19.0 | 29.0 | 51.6 | 155.6 | 825.2 | 836.1 | 854.2 | 858.7 | 910.3 |
| 60° | 2.7 | 10.9 | 17.2 | 25.3 | 38.0 | 72.4 | 742.0 | 754.6 | 765.5 | 767.3 | 783.6 |
| 62.5° | 1.8 | 10.0 | 14.5 | 23.5 | 31.7 | 51.6 | 175.5 | 358.3 | 681.3 | 681.3 | 700.3 |
| 65° | 1.8 | 7.2 | 9.0 | 15.4 | 29.0 | 42.5 | 74.2 | 86.0 | 167.4 | 411.7 | 614.4 |
| 67.5° | 1.8 | 2.7 | 8.1 | 12.7 | 21.7 | 32.6 | 54.3 | 63.3 | 76.0 | 86.9 | 161.1 |
| 70° | 1.8 | 1.8 | 7.2 | 8.1 | 13.6 | 24.4 | 38.9 | 44.3 | 51.6 | 58.8 | 67.9 |
| 72.5° | 1.8 | 1.8 | 6.3 | 6.3 | 9.0 | 16.3 | 29.9 | 32.6 | 37.1 | 41.6 | 48.0 |
| 75° | 4.5 | 3.6 | 5.4 | 5.4 | 6.3 | 12.7 | 22.6 | 25.3 | 27.1 | 30.8 | 35.3 |
| 77.5° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 8.1 | 14.5 | 16.3 | 19.0 | 20.8 | 24.4 |
| 80° | 3.6 | 3.6 | 3.6 | 4.5 | 4.5 | 5.4 | 9.0 | 10.0 | 10.9 | 13.6 | 14.5 |
| 82.5° | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 5.4 | 6.3 | 8.1 |
| 85° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 | 3.6 |
| 87.5° | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 345° | 346° | 347° | 348° | 349° | 350° | 351° | 352° | 353° | 354° | 355° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3033.9 | 3028.5 | 3024.0 | 3026.7 | 3018.6 | 3014.9 | 3017.7 | 3018.6 | 3020.4 | 3024.9 | 3025.8 |
| 5° | 3025.8 | 3024.0 | 3032.1 | 3036.7 | 3034.8 | 3036.7 | 3036.7 | 3033.0 | 3027.6 | 3031.2 | 3023.1 |
| 7.5° | 3020.4 | 3008.6 | 2999.6 | 3001.4 | 2992.3 | 3003.2 | 3013.1 | 3027.6 | 3032.1 | 3032.1 | 3023.1 |
| 10° | 3113.6 | 3100.9 | 3050.2 | 3015.8 | 2993.2 | 2973.3 | 3020.4 | 2972.4 | 2995.0 | 2909.1 | 3007.7 |
| 12.5° | 3190.5 | 3207.7 | 3185.0 | 3090.9 | 3074.7 | 3014.9 | 3049.3 | 2990.5 | 2973.3 | 2874.7 | 2906.4 |
| 15° | 3221.2 | 3188.7 | 3181.4 | 3155.2 | 3119.9 | 3102.7 | 3010.4 | 3000.5 | 2972.4 | 2983.3 | 2941.6 |
| 17.5° | 3194.1 | 3210.4 | 3188.7 | 3171.5 | 3135.3 | 3094.6 | 3039.4 | 2990.5 | 2951.6 | 2864.7 | 2938.0 |
| 20° | 3167.9 | 3189.6 | 3124.4 | 3135.3 | 3138.9 | 3091.9 | 3062.9 | 3022.2 | 2973.3 | 2891.9 | 2828.5 |
| 22.5° | 3124.4 | 3109.0 | 3114.5 | 3098.2 | 3084.6 | 3090.9 | 3051.1 | 3023.1 | 2940.7 | 2903.6 | 2817.7 |
| 25° | 3053.8 | 3048.4 | 3062.9 | 3061.1 | 3028.5 | 3017.7 | 2997.7 | 2967.9 | 2935.3 | 2875.6 | 2805.0 |
| 27.5° | 2938.9 | 2967.0 | 2992.3 | 3004.1 | 2986.9 | 2957.9 | 2947.1 | 2929.9 | 2907.3 | 2846.6 | 2794.2 |
| 30° | 2817.7 | 2849.4 | 2878.3 | 2903.6 | 2919.0 | 2906.4 | 2896.4 | 2886.5 | 2852.1 | 2812.3 | 2753.4 |
| 32.5° | 2679.2 | 2720.9 | 2760.7 | 2791.4 | 2824.9 | 2834.9 | 2827.6 | 2819.5 | 2790.5 | 2754.3 | 2707.3 |
| 35° | 2519.1 | 2576.1 | 2634.0 | 2689.2 | 2703.7 | 2727.2 | 2750.7 | 2737.2 | 2721.8 | 2685.6 | 2642.1 |
| 37.5° | 2383.4 | 2424.1 | 2465.7 | 2535.4 | 2586.0 | 2615.9 | 2657.5 | 2663.0 | 2636.7 | 2619.5 | 2562.5 |
| 40° | 2243.1 | 2280.2 | 2340.8 | 2381.5 | 2451.2 | 2485.6 | 2529.9 | 2549.8 | 2543.5 | 2533.6 | 2483.8 |
| 42.5° | 2132.7 | 2150.8 | 2190.6 | 2226.8 | 2295.6 | 2366.2 | 2405.1 | 2426.8 | 2449.4 | 2441.3 | 2415.9 |
| 45° | 2015.1 | 2031.4 | 2044.9 | 2076.6 | 2143.6 | 2206.0 | 2254.0 | 2286.5 | 2327.3 | 2346.3 | 2315.5 |
| 47.5° | 1898.4 | 1902.9 | 1919.2 | 1945.4 | 1985.2 | 2033.2 | 2113.7 | 2162.6 | 2200.6 | 2237.7 | 2217.8 |
| 50° | 1808.8 | 1792.5 | 1795.2 | 1811.5 | 1844.1 | 1891.1 | 1949.0 | 2017.8 | 2061.2 | 2106.5 | 2111.0 |
| 52.5° | 1580.8 | 1712.9 | 1681.2 | 1690.2 | 1707.4 | 1730.1 | 1790.7 | 1858.5 | 1911.9 | 1950.8 | 1989.8 |
| 55° | 1326.5 | 1352.7 | 1607.0 | 1570.8 | 1581.7 | 1601.6 | 1629.6 | 1697.5 | 1749.1 | 1803.4 | 1857.6 |
| 57.5° | 1028.8 | 1224.3 | 1234.2 | 1469.5 | 1464.0 | 1465.8 | 1489.4 | 1528.3 | 1579.9 | 1647.7 | 1693.9 |
| 60° | 799.9 | 882.2 | 1042.4 | 1123.8 | 1330.1 | 1337.4 | 1350.9 | 1373.6 | 1417.9 | 1482.1 | 1555.4 |
| 62.5° | 705.8 | 716.6 | 773.6 | 895.8 | 1029.7 | 1191.7 | 1220.6 | 1224.3 | 1244.2 | 1308.4 | 1393.5 |
| 65° | 619.8 | 627.1 | 644.2 | 656.9 | 769.1 | 925.7 | 1065.0 | 1087.6 | 1100.3 | 1138.3 | 1210.7 |
| 67.5° | 427.1 | 540.2 | 555.6 | 564.6 | 575.5 | 647.9 | 820.7 | 935.6 | 950.1 | 983.6 | 1046.9 |
| 70° | 82.3 | 171.0 | 467.8 | 477.8 | 483.2 | 499.5 | 527.5 | 710.3 | 806.2 | 837.9 | 866.8 |
| 72.5° | 56.1 | 66.1 | 79.6 | 188.2 | 398.1 | 407.2 | 413.5 | 437.0 | 599.0 | 691.3 | 706.7 |
| 75° | 40.7 | 45.2 | 53.4 | 66.1 | 81.4 | 265.1 | 328.5 | 340.2 | 352.0 | 485.9 | 563.7 |
| 77.5° | 29.0 | 32.6 | 36.2 | 42.5 | 49.8 | 64.2 | 92.3 | 254.3 | 266.0 | 272.4 | 384.6 |
| 80° | 16.3 | 19.9 | 24.4 | 28.1 | 31.7 | 36.2 | 47.1 | 58.8 | 131.2 | 191.8 | 201.8 |
| 82.5° | 9.0 | 10.9 | 12.7 | 15.4 | 17.2 | 21.7 | 26.2 | 31.7 | 41.6 | 61.5 | 130.3 |
| 85° | 4.5 | 4.5 | 4.5 | 6.3 | 7.2 | 10.0 | 11.8 | 13.6 | 19.0 | 26.2 | 36.2 |
| 87.5° | 2.7 | 2.7 | 3.6 | 3.6 | 3.6 | 4.5 | 4.5 | 4.5 | 5.4 | 8.1 | 11.8 |
| 90° | 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: 4SNLED-LD5-54SL-RM-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

| | 356° | 357° | 358° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|
| 0° | 3014.9 | 3014.9 | 3014.9 | 3014.9 | 3014.9 |
| 2.5° | 3026.7 | 3024.0 | 3024.0 | 3034.8 | 3032.1 |
| 5° | 3021.3 | 3018.6 | 3017.7 | 3029.4 | 3024.0 |
| 7.5° | 3016.7 | 3006.8 | 3004.1 | 3014.9 | 3010.4 |
| 10° | 2998.7 | 2991.4 | 2995.9 | 2992.3 | 2990.5 |
| 12.5° | 2967.9 | 2963.4 | 2944.4 | 2946.2 | 2961.6 |
| 15° | 2912.7 | 2930.8 | 2898.2 | 2927.2 | 2933.5 |
| 17.5° | 2811.3 | 2852.1 | 2883.7 | 2900.9 | 2903.6 |
| 20° | 2856.6 | 2870.2 | 2853.9 | 2854.8 | 2865.6 |
| 22.5° | 2797.8 | 2804.1 | 2808.6 | 2803.2 | 2826.7 |
| 25° | 2703.7 | 2679.2 | 2731.7 | 2742.6 | 2780.6 |
| 27.5° | 2674.7 | 2654.8 | 2679.2 | 2677.4 | 2709.1 |
| 30° | 2651.2 | 2586.9 | 2597.8 | 2615.0 | 2653.9 |
| 32.5° | 2617.7 | 2516.4 | 2505.5 | 2543.5 | 2586.9 |
| 35° | 2558.9 | 2463.0 | 2437.6 | 2462.1 | 2527.2 |
| 37.5° | 2509.1 | 2388.8 | 2338.1 | 2370.7 | 2455.7 |
| 40° | 2434.9 | 2330.9 | 2252.2 | 2281.1 | 2381.5 |
| 42.5° | 2346.3 | 2281.1 | 2159.9 | 2179.8 | 2294.7 |
| 45° | 2256.7 | 2198.8 | 2070.3 | 2080.2 | 2216.9 |
| 47.5° | 2165.3 | 2111.9 | 1977.1 | 1978.9 | 2117.3 |
| 50° | 2075.7 | 2005.1 | 1893.8 | 1862.2 | 2011.5 |
| 52.5° | 1959.0 | 1893.8 | 1809.7 | 1758.1 | 1911.0 |
| 55° | 1848.6 | 1775.3 | 1713.8 | 1634.1 | 1797.0 |
| 57.5° | 1740.9 | 1659.5 | 1617.9 | 1515.6 | 1667.6 |
| 60° | 1593.4 | 1554.5 | 1493.0 | 1395.3 | 1550.9 |
| 62.5° | 1442.3 | 1429.7 | 1367.2 | 1265.9 | 1407.0 |
| 65° | 1265.9 | 1295.7 | 1231.5 | 1144.6 | 1257.7 |
| 67.5° | 1099.4 | 1152.8 | 1082.2 | 1028.8 | 1113.9 |
| 70° | 922.0 | 983.6 | 943.8 | 924.8 | 960.9 |
| 72.5° | 747.4 | 807.1 | 810.7 | 797.2 | 808.9 |
| 75° | 577.3 | 643.3 | 679.5 | 658.7 | 661.4 |
| 77.5° | 437.9 | 469.6 | 509.4 | 525.7 | 522.1 |
| 80° | 270.5 | 325.7 | 358.3 | 391.8 | 380.0 |
| 82.5° | 136.6 | 182.8 | 222.6 | 258.8 | 241.6 |
| 85° | 57.0 | 73.3 | 102.2 | 134.8 | 129.4 |
| 87.5° | 17.2 | 29.0 | 30.8 | 43.4 | 40.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)