

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213132

Luminaire Tested: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

Issue Date: 3/29/2018

**Test Information**

Test Method: LM-79-2019  
Report Number: P1213132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)  
Test Lab: INNOVATIONS CENTER-P3  
Issue Date: 3/29/2018  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
METALIC FINISH REFLECTOR  
Light Source: -  
Ballast/Driver: -

**Summary**

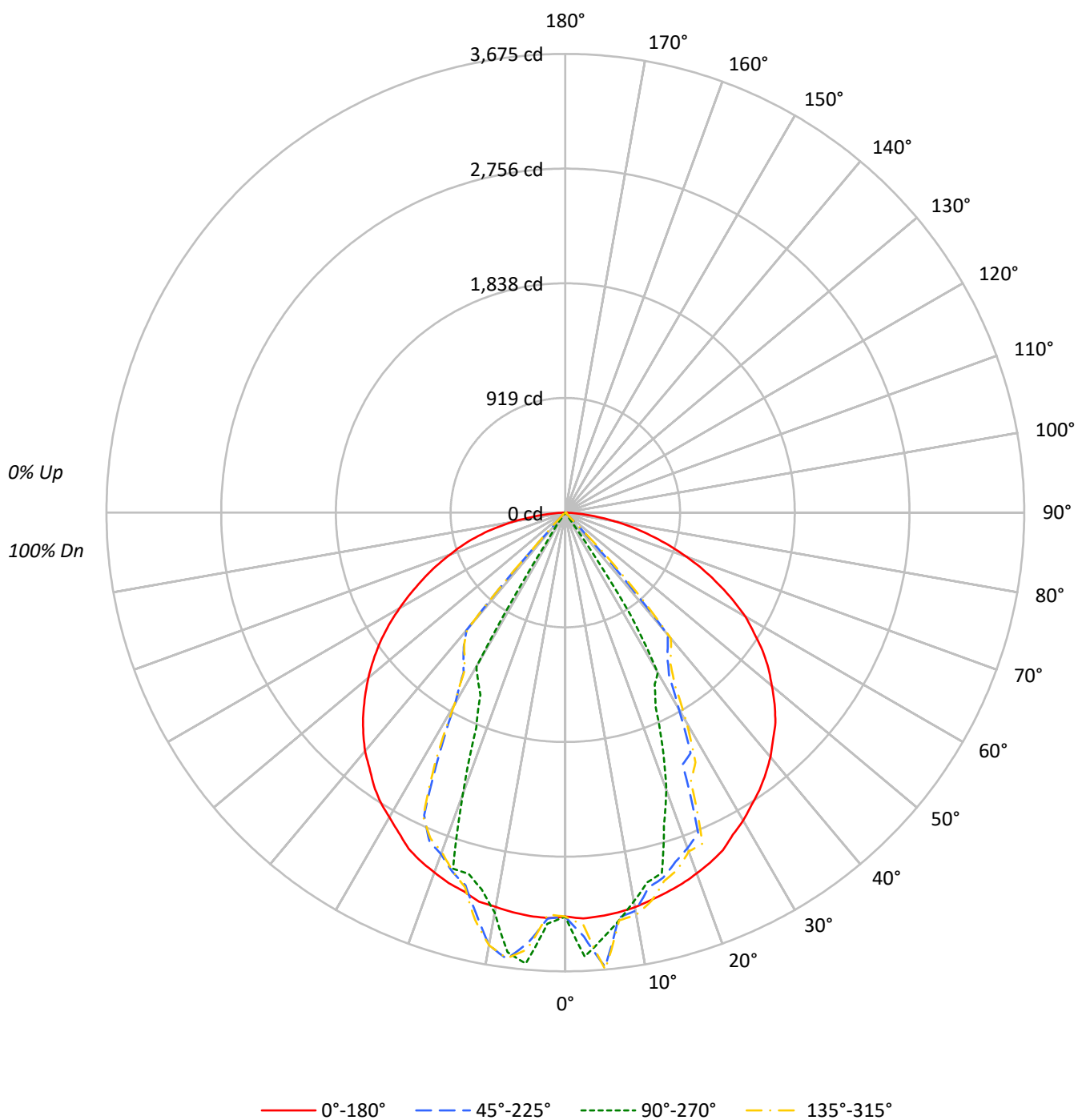
Lumens per Lamp: N/A  
Luminaire Lumens: 4601.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 46  
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: 24 FT

TEST NUMBER: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

### Luminous Intensity Polar Plot



TEST NUMBER: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

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

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

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 26149 | 26149 | 26149 | 26149 |
| 5°  | 26255 | 26894 | 26247 | 28480 |
| 10° | 26192 | 24336 | 26176 | 25038 |
| 15° | 26121 | 22714 | 26056 | 22773 |
| 20° | 26151 | 17891 | 26077 | 18111 |
| 25° | 26226 | 12948 | 26099 | 12218 |
| 30° | 26107 | 11358 | 25831 | 10918 |
| 35° | 26184 | 250   | 25800 | 303   |
| 40° | 26274 | 55    | 25645 | 55    |
| 45° | 26366 | 32    | 25377 | 24    |
| 50° | 26166 | 25    | 24964 | 25    |
| 55° | 26011 | 17    | 24414 | 17    |
| 60° | 25520 | 19    | 23526 | 19    |
| 65° | 24191 | 31    | 22467 | 20    |
| 70° | 22440 | 34    | 21363 | 34    |
| 75° | 19850 | 38    | 20174 | 38    |
| 80° | 16125 | 43    | 17046 | 43    |
| 85° | 9489  | 51    | 9687  | 51    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 28470 cd/sqm

TEST NUMBER: P1213132

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 324.6  | 7.1       |
| 10°-20°   | 885.5  | 19.2      |
| 20°-30°   | 1126.8 | 24.5      |
| 30°-40°   | 951.8  | 20.7      |
| 40°-50°   | 622.3  | 13.5      |
| 50°-60°   | 392.1  | 8.5       |
| 60°-70°   | 208.7  | 4.5       |
| 70°-80°   | 76.1   | 1.7       |
| 80°-90°   | 13.1   | 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°    | 2336.9 | 50.8      |
| 0°-40°    | 3288.7 | 71.5      |
| 0°-60°    | 4303.1 | 93.5      |
| 0°-90°    | 4601.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4601.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3236 | 3236 | 3236 | 3236 | 3236 |      |
| 5°  | 3246 | 3424 | 3244 | 3626 | 3246 | 309  |
| 15° | 3148 | 2988 | 3141 | 2996 | 3148 | 890  |
| 25° | 2984 | 1706 | 2970 | 1610 | 2984 | 1372 |
| 35° | 2712 | 32   | 2672 | 39   | 2712 | 1697 |
| 45° | 2379 | 4    | 2290 | 3    | 2379 | 1830 |
| 55° | 1929 | 2    | 1810 | 2    | 1929 | 1718 |
| 65° | 1350 | 3    | 1254 | 2    | 1350 | 1337 |
| 75° | 710  | 3    | 722  | 3    | 710  | 753  |
| 85° | 139  | 3    | 142  | 3    | 139  | 176  |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

TEST NUMBER: P1213132

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 2°     | 3°     | 4°     | 5°     | 6°     | 7°     | 8°     | 9°     | 10°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3254.2 | 3256.2 | 3257.1 | 3259.1 | 3262.0 | 3263.0 | 3264.9 | 3263.0 | 3263.0 | 3263.0 | 3263.0 |
| 5°    | 3245.5 | 3249.4 | 3252.3 | 3256.2 | 3263.0 | 3263.9 | 3271.7 | 3272.7 | 3276.6 | 3284.3 | 3290.1 |
| 7.5°  | 3230.9 | 3234.8 | 3240.6 | 3250.3 | 3260.0 | 3270.7 | 3284.3 | 3298.9 | 3319.3 | 3338.7 | 3363.0 |
| 10°   | 3209.5 | 3214.4 | 3221.2 | 3229.9 | 3277.5 | 3284.3 | 3314.4 | 3356.2 | 3367.8 | 3429.0 | 3474.7 |
| 12.5° | 3178.5 | 3195.0 | 3212.5 | 3220.2 | 3265.9 | 3337.7 | 3438.7 | 3418.3 | 3396.0 | 3596.1 | 3593.1 |
| 15°   | 3148.4 | 3170.7 | 3162.0 | 3225.1 | 3266.8 | 3392.1 | 3349.4 | 3440.7 | 3607.7 | 3566.9 | 3568.9 |
| 17.5° | 3116.3 | 3121.2 | 3169.7 | 3222.2 | 3296.9 | 3361.0 | 3413.5 | 3538.8 | 3571.8 | 3574.7 | 3538.8 |
| 20°   | 3075.5 | 3098.8 | 3169.7 | 3217.3 | 3343.6 | 3373.7 | 3487.3 | 3551.4 | 3537.8 | 3504.8 | 3443.6 |
| 22.5° | 3033.8 | 3104.7 | 3176.5 | 3243.5 | 3331.9 | 3412.5 | 3468.8 | 3498.9 | 3428.0 | 3297.9 | 3228.0 |
| 25°   | 2984.2 | 3026.0 | 3120.2 | 3218.3 | 3329.0 | 3375.6 | 3408.6 | 3360.1 | 3267.8 | 3151.3 | 3033.8 |
| 27.5° | 2907.5 | 2974.5 | 3095.0 | 3205.7 | 3305.7 | 3362.0 | 3308.6 | 3192.1 | 3043.5 | 2966.8 | 2913.4 |
| 30°   | 2848.3 | 2935.7 | 3034.7 | 3141.6 | 3245.5 | 3278.5 | 3142.5 | 3009.5 | 2907.5 | 2830.8 | 2819.2 |
| 32.5° | 2776.4 | 2900.7 | 2994.9 | 3096.9 | 3184.3 | 3140.6 | 3008.5 | 2836.6 | 2752.2 | 2723.0 | 2734.7 |
| 35°   | 2712.3 | 2806.5 | 2929.9 | 3029.9 | 3093.0 | 2994.9 | 2786.1 | 2679.3 | 2638.5 | 2655.0 | 2633.7 |
| 37.5° | 2635.6 | 2759.9 | 2873.5 | 2960.0 | 2938.6 | 2791.0 | 2614.3 | 2546.3 | 2551.1 | 2537.5 | 2496.7 |
| 40°   | 2556.0 | 2674.5 | 2792.9 | 2874.5 | 2799.7 | 2574.4 | 2456.9 | 2442.4 | 2445.3 | 2401.6 | 2343.3 |
| 42.5° | 2462.8 | 2570.6 | 2689.0 | 2762.8 | 2601.6 | 2425.9 | 2346.2 | 2348.2 | 2322.9 | 2261.7 | 2230.7 |
| 45°   | 2379.2 | 2478.3 | 2601.6 | 2608.4 | 2410.3 | 2263.7 | 2240.4 | 2215.1 | 2158.8 | 2138.4 | 2115.1 |
| 47.5° | 2272.4 | 2382.2 | 2484.1 | 2447.2 | 2222.9 | 2131.6 | 2114.1 | 2058.8 | 2030.6 | 2015.1 | 1995.6 |
| 50°   | 2158.8 | 2269.5 | 2362.7 | 2257.9 | 2046.1 | 2024.8 | 1967.5 | 1923.8 | 1904.4 | 1887.9 | 1870.4 |
| 52.5° | 2051.0 | 2142.3 | 2237.5 | 2056.8 | 1910.2 | 1889.8 | 1824.7 | 1799.5 | 1780.1 | 1761.6 | 1757.7 |
| 55°   | 1928.6 | 2009.2 | 2074.3 | 1865.5 | 1780.1 | 1732.5 | 1685.9 | 1668.4 | 1649.9 | 1641.2 | 1655.8 |
| 57.5° | 1789.8 | 1881.1 | 1871.3 | 1677.1 | 1639.2 | 1570.3 | 1552.8 | 1541.2 | 1527.6 | 1533.4 | 1412.0 |
| 60°   | 1664.5 | 1734.4 | 1686.8 | 1539.2 | 1475.1 | 1428.5 | 1413.0 | 1405.2 | 1413.0 | 1294.5 | 1138.2 |
| 62.5° | 1510.1 | 1588.8 | 1492.6 | 1378.0 | 1310.0 | 1287.7 | 1274.1 | 1284.8 | 1171.2 | 1041.0 | 1003.2 |
| 65°   | 1349.9 | 1435.3 | 1293.5 | 1205.2 | 1162.4 | 1143.0 | 1142.0 | 1051.7 | 940.0  | 889.5  | 889.5  |
| 67.5° | 1195.4 | 1283.8 | 1101.2 | 1027.4 | 1010.9 | 1012.9 | 956.6  | 819.6  | 788.5  | 754.6  | 656.5  |
| 70°   | 1031.3 | 1109.0 | 909.9  | 865.3  | 855.6  | 848.8  | 711.8  | 674.9  | 638.0  | 547.7  | 539.9  |
| 72.5° | 868.2  | 906.1  | 731.3  | 720.6  | 718.6  | 597.2  | 570.0  | 506.9  | 464.2  | 453.5  | 448.7  |
| 75°   | 709.9  | 698.2  | 577.8  | 587.5  | 495.3  | 452.5  | 408.8  | 371.9  | 366.1  | 362.2  | 90.3   |
| 77.5° | 560.3  | 502.1  | 455.5  | 396.2  | 354.5  | 301.0  | 292.3  | 286.5  | 188.4  | 68.0   | 55.4   |
| 80°   | 407.9  | 325.3  | 303.0  | 257.3  | 219.5  | 210.7  | 215.6  | 66.0   | 52.4   | 43.7   | 37.9   |
| 82.5° | 259.3  | 207.8  | 169.9  | 148.6  | 144.7  | 63.1   | 46.6   | 37.9   | 33.0   | 28.2   | 23.3   |
| 85°   | 138.9  | 92.3   | 85.5   | 71.9   | 42.7   | 29.1   | 24.3   | 18.5   | 15.5   | 12.6   | 11.7   |
| 87.5° | 43.7   | 36.9   | 30.1   | 24.3   | 14.6   | 9.7    | 7.8    | 6.8    | 5.8    | 4.9    | 4.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 11°    | 12°    | 13°    | 14°    | 15°    | 16°    | 17°    | 18°    | 19°    | 20°    | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3261.0 | 3263.0 | 3262.0 | 3264.9 | 3264.9 | 3268.8 | 3271.7 | 3274.6 | 3280.4 | 3283.4 | 3305.7 |
| 5°    | 3302.8 | 3307.6 | 3322.2 | 3335.8 | 3352.3 | 3357.2 | 3385.3 | 3392.1 | 3425.1 | 3429.0 | 3537.8 |
| 7.5°  | 3396.0 | 3414.5 | 3449.4 | 3484.4 | 3519.3 | 3541.7 | 3580.5 | 3604.8 | 3631.0 | 3654.3 | 3740.7 |
| 10°   | 3508.7 | 3539.7 | 3573.7 | 3608.7 | 3629.1 | 3671.8 | 3695.1 | 3699.0 | 3692.2 | 3654.3 | 3514.5 |
| 12.5° | 3619.4 | 3650.4 | 3635.9 | 3642.7 | 3666.9 | 3591.2 | 3601.9 | 3547.5 | 3585.4 | 3397.9 | 3259.1 |
| 15°   | 3603.8 | 3601.9 | 3565.9 | 3449.4 | 3468.8 | 3324.1 | 3265.9 | 3221.2 | 3257.1 | 3237.7 | 3216.3 |
| 17.5° | 3557.2 | 3468.8 | 3406.7 | 3266.8 | 3207.6 | 3166.8 | 3167.8 | 3168.8 | 3151.3 | 3169.7 | 3115.3 |
| 20°   | 3360.1 | 3261.0 | 3168.8 | 3119.2 | 3101.8 | 3072.6 | 3087.2 | 3072.6 | 3073.6 | 3079.4 | 2995.9 |
| 22.5° | 3097.9 | 3067.8 | 3014.4 | 3029.9 | 3024.1 | 3050.3 | 3030.9 | 3000.8 | 3010.5 | 2966.8 | 2903.6 |
| 25°   | 2992.0 | 2957.1 | 2955.1 | 2960.9 | 2952.2 | 2940.5 | 2923.1 | 2877.4 | 2874.5 | 2860.9 | 2831.8 |
| 27.5° | 2885.2 | 2887.1 | 2893.0 | 2875.5 | 2844.4 | 2821.1 | 2794.9 | 2772.5 | 2781.3 | 2765.7 | 2725.9 |
| 30°   | 2811.4 | 2810.4 | 2775.5 | 2759.9 | 2702.6 | 2703.6 | 2696.8 | 2683.2 | 2674.5 | 2675.4 | 2650.2 |
| 32.5° | 2706.5 | 2676.4 | 2636.6 | 2617.2 | 2612.3 | 2594.8 | 2581.2 | 2584.1 | 2590.9 | 2566.7 | 2592.9 |
| 35°   | 2598.7 | 2536.6 | 2530.7 | 2514.2 | 2498.7 | 2487.0 | 2491.9 | 2472.5 | 2471.5 | 2468.6 | 2254.9 |
| 37.5° | 2454.0 | 2423.9 | 2421.0 | 2403.5 | 2392.8 | 2389.9 | 2371.5 | 2374.4 | 2383.1 | 2398.7 | 1922.8 |
| 40°   | 2334.6 | 2307.4 | 2300.6 | 2299.6 | 2276.3 | 2274.4 | 2279.2 | 2297.7 | 2310.3 | 2213.2 | 1832.5 |
| 42.5° | 2206.4 | 2208.3 | 2187.0 | 2173.4 | 2176.3 | 2185.0 | 2208.3 | 2144.2 | 1857.7 | 1770.3 | 1675.2 |
| 45°   | 2096.6 | 2086.9 | 2075.3 | 2071.4 | 2096.6 | 2079.2 | 1822.8 | 1682.0 | 1648.0 | 1644.1 | 1377.0 |
| 47.5° | 1982.1 | 1979.1 | 1974.3 | 1977.2 | 1833.5 | 1634.4 | 1576.1 | 1557.7 | 1563.5 | 1559.6 | 1182.8 |
| 50°   | 1866.5 | 1870.4 | 1870.4 | 1633.4 | 1499.4 | 1466.4 | 1471.2 | 1487.8 | 1384.8 | 1292.6 | 1102.2 |
| 52.5° | 1766.5 | 1736.4 | 1487.8 | 1402.3 | 1372.2 | 1386.8 | 1351.8 | 1222.6 | 1129.4 | 1075.0 | 1019.7 |
| 55°   | 1581.0 | 1359.6 | 1304.2 | 1290.6 | 1301.3 | 1172.1 | 1092.5 | 1009.0 | 984.7  | 978.9  | 946.8  |
| 57.5° | 1244.0 | 1199.3 | 1204.2 | 1149.8 | 1026.5 | 953.6  | 921.6  | 909.9  | 899.3  | 891.5  | 77.7   |
| 60°   | 1100.3 | 1112.9 | 1018.7 | 902.2  | 852.6  | 842.9  | 835.2  | 824.5  | 822.5  | 808.9  | 49.5   |
| 62.5° | 1007.1 | 885.7  | 804.1  | 775.0  | 763.3  | 760.4  | 745.8  | 741.0  | 629.3  | 86.4   | 36.9   |
| 65°   | 759.4  | 709.9  | 694.3  | 687.6  | 674.9  | 674.9  | 560.3  | 88.4   | 71.9   | 62.2   | 33.0   |
| 67.5° | 619.6  | 615.7  | 607.9  | 599.2  | 407.9  | 85.5   | 74.8   | 65.1   | 56.3   | 49.5   | 29.1   |
| 70°   | 524.4  | 522.5  | 475.8  | 87.4   | 72.8   | 64.1   | 56.3   | 50.5   | 46.6   | 41.8   | 26.2   |
| 72.5° | 430.2  | 87.4   | 73.8   | 64.1   | 55.4   | 50.5   | 45.6   | 40.8   | 36.9   | 34.0   | 21.4   |
| 75°   | 67.0   | 59.2   | 52.4   | 47.6   | 43.7   | 38.8   | 35.0   | 32.0   | 31.1   | 27.2   | 14.6   |
| 77.5° | 48.6   | 41.8   | 37.9   | 34.0   | 30.1   | 27.2   | 23.3   | 20.4   | 18.5   | 15.5   | 10.7   |
| 80°   | 34.0   | 30.1   | 27.2   | 22.3   | 19.4   | 16.5   | 14.6   | 12.6   | 11.7   | 9.7    | 4.9    |
| 82.5° | 19.4   | 16.5   | 14.6   | 11.7   | 10.7   | 8.7    | 7.8    | 6.8    | 6.8    | 4.9    | 4.9    |
| 85°   | 8.7    | 8.7    | 6.8    | 5.8    | 4.9    | 4.9    | 4.9    | 3.9    | 3.9    | 2.9    | 2.9    |
| 87.5° | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 30°    | 35°    | 40°    | 45°    | 50°    | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3336.8 | 3349.4 | 3373.7 | 3398.9 | 3370.8 | 3471.7 | 3464.0 | 3498.0 | 3516.4 | 3525.2 | 3545.6 |
| 5°    | 3633.9 | 3690.3 | 3708.7 | 3653.3 | 3621.3 | 3588.3 | 3513.5 | 3457.2 | 3464.0 | 3445.5 | 3378.5 |
| 7.5°  | 3628.1 | 3507.7 | 3345.5 | 3271.7 | 3265.9 | 3257.1 | 3280.4 | 3294.0 | 3296.0 | 3295.0 | 3293.1 |
| 10°   | 3321.2 | 3259.1 | 3248.4 | 3238.7 | 3242.6 | 3206.6 | 3190.1 | 3143.5 | 3168.8 | 3155.2 | 3160.0 |
| 12.5° | 3228.0 | 3213.4 | 3156.1 | 3076.5 | 3124.1 | 3088.2 | 3067.8 | 3081.4 | 3065.8 | 3051.3 | 3046.4 |
| 15°   | 3172.6 | 3078.4 | 3046.4 | 3027.0 | 3013.4 | 3005.6 | 3012.4 | 2996.9 | 2992.0 | 2989.1 | 2995.9 |
| 17.5° | 3058.1 | 3020.2 | 2985.2 | 2933.7 | 2934.7 | 2931.8 | 2951.2 | 2980.4 | 2982.3 | 2832.8 | 2697.8 |
| 20°   | 2967.7 | 2936.7 | 2892.0 | 2859.9 | 2903.6 | 2826.0 | 2525.9 | 2383.1 | 2360.8 | 2360.8 | 2364.7 |
| 22.5° | 2895.9 | 2826.9 | 2829.8 | 2779.3 | 2370.5 | 2287.0 | 2288.9 | 2297.7 | 2257.9 | 2121.9 | 2107.3 |
| 25°   | 2797.8 | 2787.1 | 2574.4 | 2224.8 | 2227.7 | 2162.7 | 2062.7 | 1921.8 | 1769.4 | 1769.4 | 1744.1 |
| 27.5° | 2724.0 | 2497.7 | 2187.0 | 2172.4 | 1953.9 | 1816.0 | 1730.5 | 1601.4 | 1583.9 | 1567.4 | 1569.3 |
| 30°   | 2660.9 | 2113.2 | 2120.9 | 1816.0 | 1654.8 | 1540.2 | 1533.4 | 1512.0 | 1501.3 | 1498.4 | 1487.8 |
| 32.5° | 2103.4 | 2057.8 | 1775.2 | 1546.0 | 1482.9 | 1464.4 | 1455.7 | 1431.4 | 1430.5 | 1412.0 | 1283.8 |
| 35°   | 1972.3 | 1806.3 | 1485.8 | 1423.7 | 1405.2 | 1387.7 | 1373.2 | 921.6  | 108.8  | 43.7   | 37.9   |
| 37.5° | 1822.8 | 1509.1 | 1374.1 | 1346.0 | 1328.5 | 981.8  | 98.1   | 34.0   | 24.3   | 17.5   | 15.5   |
| 40°   | 1545.0 | 1347.9 | 1305.2 | 1274.1 | 525.4  | 34.0   | 21.4   | 16.5   | 9.7    | 8.7    | 7.8    |
| 42.5° | 1303.2 | 1270.2 | 1224.6 | 372.9  | 38.8   | 16.5   | 10.7   | 7.8    | 6.8    | 6.8    | 5.8    |
| 45°   | 1219.7 | 1190.6 | 493.3  | 36.9   | 24.3   | 7.8    | 6.8    | 6.8    | 5.8    | 3.9    | 3.9    |
| 47.5° | 1142.0 | 1005.1 | 44.7   | 23.3   | 15.5   | 6.8    | 5.8    | 3.9    | 3.9    | 3.9    | 2.9    |
| 50°   | 1059.5 | 55.4   | 31.1   | 17.5   | 9.7    | 3.9    | 3.9    | 3.9    | 3.9    | 2.9    | 2.9    |
| 52.5° | 198.1  | 38.8   | 25.2   | 15.5   | 4.9    | 3.9    | 3.9    | 3.9    | 2.9    | 2.9    | 2.9    |
| 55°   | 46.6   | 31.1   | 23.3   | 13.6   | 3.9    | 3.9    | 3.9    | 2.9    | 2.9    | 2.9    | 1.9    |
| 57.5° | 35.0   | 23.3   | 18.5   | 12.6   | 3.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    |
| 60°   | 29.1   | 16.5   | 14.6   | 11.7   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    |
| 62.5° | 20.4   | 13.6   | 10.7   | 8.7    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 65°   | 16.5   | 10.7   | 8.7    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 67.5° | 14.6   | 8.7    | 5.8    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 70°   | 11.7   | 2.9    | 2.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 72.5° | 9.7    | 2.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 75°   | 9.7    | 4.9    | 1.9    | 1.9    | 2.9    | 2.9    | 3.9    | 3.9    | 2.9    | 2.9    | 2.9    |
| 77.5° | 6.8    | 4.9    | 1.9    | 1.9    | 2.9    | 2.9    | 3.9    | 3.9    | 2.9    | 2.9    | 2.9    |
| 80°   | 3.9    | 4.9    | 1.9    | 2.9    | 2.9    | 5.8    | 6.8    | 3.9    | 2.9    | 2.9    | 2.9    |
| 82.5° | 3.9    | 4.9    | 5.8    | 5.8    | 2.9    | 4.9    | 5.8    | 4.9    | 3.9    | 2.9    | 2.9    |
| 85°   | 3.9    | 2.9    | 3.9    | 4.9    | 2.9    | 4.9    | 4.9    | 3.9    | 3.9    | 2.9    | 2.9    |
| 87.5° | 1.9    | 2.9    | 2.9    | 3.9    | 3.9    | 3.9    | 4.9    | 3.9    | 3.9    | 3.9    | 2.9    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 85°    | 90°    | 95°    | 100°   | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3555.3 | 3559.1 | 3498.0 | 3476.6 | 3495.1 | 3491.2 | 3474.7 | 3413.5 | 3406.7 | 3365.9 | 3306.7 |
| 5°    | 3397.9 | 3424.2 | 3392.1 | 3447.5 | 3421.3 | 3447.5 | 3527.1 | 3564.0 | 3624.2 | 3661.1 | 3674.7 |
| 7.5°  | 3288.2 | 3294.0 | 3294.0 | 3298.9 | 3303.7 | 3304.7 | 3298.9 | 3295.0 | 3278.5 | 3258.1 | 3295.0 |
| 10°   | 3155.2 | 3162.0 | 3173.6 | 3171.7 | 3170.7 | 3191.1 | 3196.0 | 3237.7 | 3235.8 | 3243.5 | 3271.7 |
| 12.5° | 3086.2 | 3033.8 | 3081.4 | 3068.7 | 3086.2 | 3059.0 | 3109.5 | 3100.8 | 3103.7 | 3127.0 | 3187.2 |
| 15°   | 2971.6 | 2988.1 | 2999.8 | 2999.8 | 3006.6 | 3000.8 | 2994.9 | 3034.7 | 3059.0 | 3060.0 | 3056.1 |
| 17.5° | 2751.2 | 2625.9 | 2754.1 | 2721.1 | 2984.2 | 2991.0 | 2968.7 | 2950.3 | 2950.3 | 2964.8 | 2995.9 |
| 20°   | 2361.8 | 2364.7 | 2365.6 | 2378.3 | 2393.8 | 2392.8 | 2393.8 | 2776.4 | 2958.0 | 2916.3 | 2888.1 |
| 22.5° | 2070.4 | 2034.5 | 2101.5 | 2096.6 | 2180.2 | 2272.4 | 2360.8 | 2352.0 | 2357.9 | 2627.8 | 2870.6 |
| 25°   | 1659.6 | 1706.3 | 1668.4 | 1684.9 | 1779.1 | 1888.8 | 1956.8 | 2134.5 | 2327.8 | 2314.2 | 2377.3 |
| 27.5° | 1562.5 | 1549.9 | 1567.4 | 1567.4 | 1580.0 | 1594.6 | 1632.5 | 1732.5 | 1904.4 | 2085.0 | 2255.9 |
| 30°   | 1470.3 | 1481.0 | 1482.9 | 1500.4 | 1510.1 | 1519.8 | 1525.6 | 1563.5 | 1602.3 | 1727.6 | 1938.4 |
| 32.5° | 1104.2 | 968.2  | 1274.1 | 1356.7 | 1426.6 | 1443.1 | 1454.7 | 1470.3 | 1498.4 | 1516.9 | 1622.7 |
| 35°   | 32.0   | 32.0   | 34.0   | 38.8   | 49.5   | 334.1  | 1272.2 | 1402.3 | 1420.7 | 1444.1 | 1463.5 |
| 37.5° | 15.5   | 11.7   | 13.6   | 14.6   | 17.5   | 24.3   | 35.0   | 108.8  | 1211.0 | 1369.3 | 1390.6 |
| 40°   | 6.8    | 6.8    | 6.8    | 6.8    | 7.8    | 9.7    | 14.6   | 24.3   | 36.9   | 974.0  | 1313.9 |
| 42.5° | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 5.8    | 6.8    | 8.7    | 17.5   | 41.8   | 689.5  |
| 45°   | 3.9    | 3.9    | 2.9    | 3.9    | 3.9    | 4.9    | 5.8    | 5.8    | 7.8    | 26.2   | 47.6   |
| 47.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 4.9    | 5.8    | 17.5   | 25.2   |
| 50°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 13.6   | 17.5   |
| 52.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 5.8    | 15.5   |
| 55°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    | 2.9    | 3.9    | 13.6   |
| 57.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    | 1.9    | 1.9    | 2.9    | 2.9    | 12.6   |
| 60°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 11.7   |
| 62.5° | 2.9    | 2.9    | 1.9    | 2.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    | 7.8    |
| 65°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    | 2.9    |
| 67.5° | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    | 2.9    | 1.9    | 2.9    | 2.9    | 1.9    | 1.9    |
| 70°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 72.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 75°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 1.9    | 1.9    | 1.9    |
| 77.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 4.9    | 5.8    | 4.9    | 4.9    | 1.9    |
| 80°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 4.9    | 4.9    | 4.9    | 4.9    | 6.8    |
| 82.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 3.9    | 3.9    | 4.9    |
| 85°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 3.9    | 2.9    | 3.9    |
| 87.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 2.9    | 2.9    | 2.9    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 140°   | 145°   | 150°   | 155°   | 160°   | 161°   | 162°   | 163°   | 164°   | 165°   | 166°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3311.5 | 3278.5 | 3267.8 | 3245.5 | 3243.5 | 3245.5 | 3240.6 | 3233.8 | 3237.7 | 3230.9 | 3225.1 |
| 5°    | 3682.5 | 3594.1 | 3536.8 | 3460.1 | 3354.2 | 3330.9 | 3325.1 | 3292.1 | 3280.4 | 3276.6 | 3261.0 |
| 7.5°  | 3382.4 | 3543.6 | 3640.7 | 3673.7 | 3549.4 | 3520.3 | 3486.3 | 3459.1 | 3432.9 | 3383.4 | 3353.3 |
| 10°   | 3249.4 | 3257.1 | 3350.4 | 3459.1 | 3635.9 | 3660.1 | 3678.6 | 3619.4 | 3602.9 | 3476.6 | 3449.4 |
| 12.5° | 3218.3 | 3219.3 | 3229.9 | 3296.0 | 3434.8 | 3450.4 | 3515.4 | 3550.4 | 3593.1 | 3617.4 | 3598.0 |
| 15°   | 3076.5 | 3155.2 | 3213.4 | 3219.3 | 3231.9 | 3259.1 | 3278.5 | 3399.9 | 3451.4 | 3589.3 | 3581.5 |
| 17.5° | 3010.5 | 3035.7 | 3120.2 | 3189.2 | 3177.5 | 3167.8 | 3183.3 | 3199.8 | 3249.4 | 3387.3 | 3385.3 |
| 20°   | 2900.7 | 2981.3 | 3027.0 | 3098.8 | 3163.9 | 3166.8 | 3149.3 | 3139.6 | 3120.2 | 3142.5 | 3162.9 |
| 22.5° | 2854.1 | 2866.7 | 2952.2 | 3002.7 | 3076.5 | 3102.7 | 3106.6 | 3107.6 | 3096.9 | 3085.2 | 3079.4 |
| 25°   | 2849.3 | 2809.4 | 2853.1 | 2916.3 | 2970.7 | 2998.8 | 3030.9 | 3041.5 | 3037.7 | 3037.7 | 3031.8 |
| 27.5° | 2331.7 | 2796.8 | 2773.5 | 2815.3 | 2881.3 | 2900.7 | 2917.2 | 2950.3 | 2970.7 | 2985.2 | 2992.0 |
| 30°   | 2220.9 | 2304.5 | 2711.4 | 2717.2 | 2784.2 | 2782.3 | 2800.7 | 2827.9 | 2854.1 | 2888.1 | 2896.8 |
| 32.5° | 1964.6 | 2169.5 | 2482.2 | 2619.1 | 2689.0 | 2695.8 | 2705.5 | 2713.3 | 2737.6 | 2775.5 | 2808.5 |
| 35°   | 1574.2 | 1976.2 | 2126.7 | 2572.5 | 2585.1 | 2598.7 | 2604.5 | 2623.0 | 2630.8 | 2646.3 | 2675.4 |
| 37.5° | 1424.6 | 1633.4 | 2040.3 | 2224.8 | 2465.7 | 2477.3 | 2508.4 | 2516.2 | 2528.8 | 2541.4 | 2563.8 |
| 40°   | 1338.2 | 1395.5 | 1698.5 | 1986.9 | 2369.5 | 2377.3 | 2388.0 | 2407.4 | 2408.4 | 2422.9 | 2443.3 |
| 42.5° | 1269.3 | 1306.2 | 1394.5 | 1897.6 | 2301.6 | 2300.6 | 2275.3 | 2288.0 | 2293.8 | 2309.3 | 2337.5 |
| 45°   | 1013.8 | 1225.6 | 1281.9 | 1549.9 | 1832.5 | 1964.6 | 2218.0 | 2176.3 | 2175.3 | 2181.1 | 2211.2 |
| 47.5° | 51.5   | 1152.7 | 1192.5 | 1279.0 | 1730.5 | 1735.4 | 1768.4 | 2046.1 | 2088.9 | 2075.3 | 2078.2 |
| 50°   | 35.0   | 79.6   | 1111.0 | 1150.8 | 1491.6 | 1612.1 | 1636.3 | 1649.0 | 1809.2 | 1987.9 | 1958.7 |
| 52.5° | 27.2   | 45.6   | 680.8  | 1068.2 | 1212.0 | 1300.3 | 1456.7 | 1546.0 | 1555.7 | 1627.6 | 1871.3 |
| 55°   | 24.3   | 35.0   | 73.8   | 985.7  | 1030.4 | 1049.8 | 1141.1 | 1297.4 | 1423.7 | 1461.5 | 1464.4 |
| 57.5° | 21.4   | 32.0   | 50.5   | 445.7  | 937.1  | 941.0  | 956.6  | 1010.9 | 1124.6 | 1228.5 | 1346.0 |
| 60°   | 19.4   | 28.2   | 39.8   | 76.7   | 851.7  | 861.4  | 864.3  | 878.9  | 892.5  | 963.3  | 1098.3 |
| 62.5° | 11.7   | 22.3   | 35.0   | 55.4   | 674.0  | 774.0  | 773.0  | 782.7  | 795.3  | 803.1  | 830.3  |
| 65°   | 9.7    | 17.5   | 30.1   | 46.6   | 82.5   | 102.9  | 625.4  | 695.3  | 703.1  | 713.8  | 718.6  |
| 67.5° | 8.7    | 15.5   | 22.3   | 36.9   | 62.2   | 70.9   | 81.6   | 101.0  | 551.6  | 621.5  | 631.2  |
| 70°   | 7.8    | 10.7   | 18.5   | 31.1   | 50.5   | 54.4   | 61.2   | 69.9   | 82.5   | 102.0  | 499.2  |
| 72.5° | 4.9    | 7.8    | 12.6   | 22.3   | 38.8   | 43.7   | 47.6   | 53.4   | 59.2   | 70.9   | 81.6   |
| 75°   | 1.9    | 5.8    | 10.7   | 16.5   | 30.1   | 33.0   | 35.9   | 39.8   | 44.7   | 52.4   | 58.3   |
| 77.5° | 1.9    | 4.9    | 8.7    | 11.7   | 19.4   | 22.3   | 26.2   | 29.1   | 33.0   | 36.9   | 42.7   |
| 80°   | 6.8    | 3.9    | 5.8    | 8.7    | 13.6   | 14.6   | 16.5   | 18.5   | 21.4   | 24.3   | 28.2   |
| 82.5° | 4.9    | 5.8    | 6.8    | 5.8    | 6.8    | 8.7    | 9.7    | 11.7   | 12.6   | 14.6   | 15.5   |
| 85°   | 3.9    | 3.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 5.8    | 6.8    | 8.7    |
| 87.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 167°   | 168°   | 169°   | 170°   | 171°   | 172°   | 173°   | 174°   | 175°   | 176°   | 177°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3225.1 | 3223.1 | 3217.3 | 3217.3 | 3216.3 | 3220.2 | 3223.1 | 3226.1 | 3225.1 | 3230.9 | 3225.1 |
| 5°    | 3249.4 | 3244.5 | 3235.8 | 3228.0 | 3225.1 | 3227.0 | 3224.1 | 3227.0 | 3223.1 | 3228.0 | 3219.3 |
| 7.5°  | 3316.4 | 3299.9 | 3265.9 | 3252.3 | 3234.8 | 3233.8 | 3225.1 | 3223.1 | 3217.3 | 3217.3 | 3206.6 |
| 10°   | 3434.8 | 3355.2 | 3345.5 | 3304.7 | 3290.1 | 3219.3 | 3234.8 | 3208.6 | 3205.7 | 3193.0 | 3188.2 |
| 12.5° | 3532.0 | 3469.8 | 3451.4 | 3415.4 | 3374.6 | 3230.9 | 3263.0 | 3206.6 | 3203.7 | 3178.5 | 3152.3 |
| 15°   | 3533.9 | 3569.8 | 3519.3 | 3420.3 | 3411.5 | 3312.5 | 3247.4 | 3228.0 | 3202.7 | 3127.0 | 3139.6 |
| 17.5° | 3420.3 | 3502.8 | 3527.1 | 3505.7 | 3443.6 | 3376.6 | 3285.3 | 3246.4 | 3170.7 | 3136.7 | 3113.4 |
| 20°   | 3235.8 | 3319.3 | 3423.2 | 3430.0 | 3468.8 | 3421.3 | 3301.8 | 3238.7 | 3147.4 | 3088.2 | 3068.7 |
| 22.5° | 3089.1 | 3150.3 | 3269.8 | 3325.1 | 3372.7 | 3389.2 | 3313.5 | 3220.2 | 3106.6 | 3049.3 | 3037.7 |
| 25°   | 3011.4 | 3025.0 | 3061.0 | 3126.0 | 3230.9 | 3306.7 | 3317.3 | 3218.3 | 3159.0 | 3033.8 | 2967.7 |
| 27.5° | 2983.3 | 2971.6 | 2957.1 | 2990.1 | 3068.7 | 3161.0 | 3222.2 | 3238.7 | 3091.1 | 2971.6 | 2905.6 |
| 30°   | 2911.4 | 2918.2 | 2895.9 | 2884.2 | 2935.7 | 3030.9 | 3139.6 | 3166.8 | 3053.2 | 2929.9 | 2854.1 |
| 32.5° | 2823.0 | 2834.7 | 2838.6 | 2818.2 | 2807.5 | 2873.5 | 2991.0 | 3056.1 | 3050.3 | 2870.6 | 2786.1 |
| 35°   | 2712.3 | 2745.4 | 2754.1 | 2755.1 | 2737.6 | 2726.9 | 2794.9 | 2929.9 | 2981.3 | 2843.4 | 2721.1 |
| 37.5° | 2595.8 | 2605.5 | 2653.1 | 2665.7 | 2665.7 | 2633.7 | 2684.2 | 2792.0 | 2863.8 | 2782.3 | 2641.4 |
| 40°   | 2450.1 | 2481.2 | 2525.9 | 2548.2 | 2570.6 | 2573.5 | 2545.3 | 2621.0 | 2739.5 | 2719.1 | 2566.7 |
| 42.5° | 2344.3 | 2364.7 | 2391.9 | 2422.0 | 2467.6 | 2479.3 | 2450.1 | 2463.7 | 2587.1 | 2640.5 | 2469.6 |
| 45°   | 2220.9 | 2248.1 | 2255.9 | 2288.9 | 2336.5 | 2370.5 | 2369.5 | 2341.4 | 2440.4 | 2506.5 | 2398.7 |
| 47.5° | 2094.7 | 2120.9 | 2134.5 | 2151.0 | 2186.0 | 2229.7 | 2254.0 | 2241.3 | 2260.8 | 2389.9 | 2304.5 |
| 50°   | 1964.6 | 1979.1 | 2006.3 | 2024.8 | 2048.1 | 2073.3 | 2131.6 | 2143.3 | 2116.1 | 2219.0 | 2200.6 |
| 52.5° | 1841.2 | 1846.1 | 1864.5 | 1883.0 | 1914.1 | 1932.5 | 1979.1 | 2014.1 | 2012.2 | 2042.3 | 2085.0 |
| 55°   | 1745.1 | 1723.7 | 1727.6 | 1742.2 | 1762.6 | 1790.7 | 1817.0 | 1871.3 | 1889.8 | 1895.6 | 1963.6 |
| 57.5° | 1363.5 | 1582.9 | 1602.3 | 1601.4 | 1625.7 | 1638.3 | 1662.6 | 1698.5 | 1764.5 | 1750.0 | 1825.7 |
| 60°   | 1239.1 | 1263.4 | 1447.0 | 1468.3 | 1477.1 | 1488.7 | 1517.9 | 1550.9 | 1599.4 | 1630.5 | 1663.5 |
| 62.5° | 944.9  | 1092.5 | 1147.9 | 1310.0 | 1335.3 | 1342.1 | 1361.5 | 1377.0 | 1427.5 | 1498.4 | 1484.8 |
| 65°   | 731.3  | 794.4  | 963.3  | 1029.4 | 1167.3 | 1184.8 | 1212.0 | 1228.5 | 1243.0 | 1324.6 | 1328.5 |
| 67.5° | 632.2  | 641.9  | 687.6  | 814.8  | 902.2  | 1037.2 | 1053.7 | 1068.2 | 1090.6 | 1148.8 | 1184.8 |
| 70°   | 539.9  | 551.6  | 564.2  | 574.9  | 688.5  | 777.9  | 903.1  | 908.0  | 922.6  | 961.4  | 1043.0 |
| 72.5° | 102.0  | 461.3  | 469.1  | 475.8  | 488.5  | 547.7  | 667.2  | 764.3  | 770.1  | 788.5  | 863.3  |
| 75°   | 68.9   | 80.6   | 110.7  | 380.7  | 393.3  | 397.2  | 417.6  | 539.0  | 628.3  | 632.2  | 665.2  |
| 77.5° | 49.5   | 55.4   | 67.0   | 79.6   | 203.0  | 304.9  | 309.8  | 332.1  | 424.4  | 491.4  | 497.2  |
| 80°   | 34.0   | 37.9   | 44.7   | 50.5   | 62.2   | 81.6   | 225.3  | 232.1  | 243.8  | 336.0  | 353.5  |
| 82.5° | 19.4   | 22.3   | 26.2   | 32.0   | 36.9   | 46.6   | 60.2   | 77.7   | 158.3  | 169.0  | 224.3  |
| 85°   | 9.7    | 10.7   | 12.6   | 15.5   | 18.5   | 22.3   | 30.1   | 36.9   | 50.5   | 91.3   | 94.2   |
| 87.5° | 4.9    | 4.9    | 4.9    | 4.9    | 7.8    | 8.7    | 10.7   | 13.6   | 17.5   | 26.2   | 34.0   |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 178°   | 179°   | 180°   | 181°   | 182°   | 183°   | 184°   | 185°   | 186°   | 187°   | 188°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3226.1 | 3239.7 | 3251.3 | 3254.2 | 3254.2 | 3256.2 | 3259.1 | 3261.0 | 3263.0 | 3264.9 | 3263.0 |
| 5°    | 3220.2 | 3234.8 | 3244.5 | 3247.4 | 3247.4 | 3253.2 | 3258.1 | 3263.9 | 3266.8 | 3266.8 | 3264.9 |
| 7.5°  | 3205.7 | 3216.3 | 3229.0 | 3236.7 | 3237.7 | 3247.4 | 3256.2 | 3255.2 | 3259.1 | 3261.0 | 3265.9 |
| 10°   | 3186.2 | 3186.2 | 3207.6 | 3213.4 | 3218.3 | 3229.0 | 3231.9 | 3237.7 | 3251.3 | 3253.2 | 3265.9 |
| 12.5° | 3176.5 | 3166.8 | 3192.1 | 3195.0 | 3211.5 | 3197.9 | 3215.4 | 3221.2 | 3207.6 | 3226.1 | 3201.8 |
| 15°   | 3132.8 | 3144.5 | 3140.6 | 3149.3 | 3178.5 | 3162.9 | 3210.5 | 3195.0 | 3229.9 | 3188.2 | 3262.0 |
| 17.5° | 3096.9 | 3095.0 | 3110.5 | 3118.3 | 3124.1 | 3157.1 | 3169.7 | 3187.2 | 3200.8 | 3189.2 | 3218.3 |
| 20°   | 3070.7 | 3055.1 | 3066.8 | 3075.5 | 3095.9 | 3121.2 | 3128.9 | 3102.7 | 3148.4 | 3226.1 | 3244.5 |
| 22.5° | 3021.2 | 3010.5 | 3024.1 | 3024.1 | 3055.1 | 3051.3 | 3080.4 | 3063.9 | 3106.6 | 3196.9 | 3291.1 |
| 25°   | 2954.1 | 2955.1 | 2969.7 | 2987.2 | 2993.0 | 3036.7 | 3052.2 | 3073.6 | 3127.0 | 3234.8 | 3292.1 |
| 27.5° | 2886.2 | 2880.3 | 2889.1 | 2925.0 | 2955.1 | 2987.2 | 2992.0 | 3064.9 | 3137.7 | 3211.5 | 3262.0 |
| 30°   | 2818.2 | 2812.4 | 2818.2 | 2844.4 | 2880.3 | 2901.7 | 2955.1 | 3052.2 | 3120.2 | 3170.7 | 3218.3 |
| 32.5° | 2745.4 | 2739.5 | 2753.1 | 2772.5 | 2835.7 | 2838.6 | 2944.4 | 3035.7 | 3089.1 | 3126.0 | 3117.3 |
| 35°   | 2667.7 | 2659.9 | 2672.5 | 2702.6 | 2760.9 | 2782.3 | 2893.0 | 2960.9 | 3021.2 | 3038.6 | 2997.8 |
| 37.5° | 2574.4 | 2560.8 | 2576.4 | 2618.1 | 2679.3 | 2741.5 | 2833.7 | 2912.4 | 2944.4 | 2897.8 | 2849.3 |
| 40°   | 2477.3 | 2467.6 | 2494.8 | 2516.2 | 2588.0 | 2674.5 | 2780.3 | 2835.7 | 2815.3 | 2761.9 | 2708.4 |
| 42.5° | 2390.9 | 2370.5 | 2394.8 | 2435.6 | 2517.1 | 2615.2 | 2700.7 | 2731.8 | 2683.2 | 2604.5 | 2542.4 |
| 45°   | 2285.0 | 2260.8 | 2289.9 | 2344.3 | 2431.7 | 2543.4 | 2610.4 | 2599.7 | 2517.1 | 2449.2 | 2363.7 |
| 47.5° | 2174.3 | 2145.2 | 2174.3 | 2239.4 | 2337.5 | 2456.0 | 2504.5 | 2456.0 | 2352.0 | 2266.6 | 2197.6 |
| 50°   | 2065.6 | 2031.6 | 2059.7 | 2157.8 | 2254.0 | 2345.3 | 2344.3 | 2250.1 | 2187.9 | 2094.7 | 2034.5 |
| 52.5° | 1957.8 | 1909.2 | 1937.4 | 2044.2 | 2140.3 | 2244.3 | 2167.5 | 2080.1 | 2005.4 | 1923.8 | 1904.4 |
| 55°   | 1824.7 | 1772.3 | 1810.2 | 1965.5 | 2039.3 | 2100.5 | 1978.2 | 1901.5 | 1827.6 | 1786.9 | 1762.6 |
| 57.5° | 1698.5 | 1641.2 | 1674.2 | 1857.7 | 1912.1 | 1927.7 | 1815.0 | 1706.3 | 1662.6 | 1649.0 | 1614.0 |
| 60°   | 1568.4 | 1503.3 | 1534.4 | 1746.1 | 1783.9 | 1720.8 | 1610.1 | 1525.6 | 1516.9 | 1489.7 | 1462.5 |
| 62.5° | 1444.1 | 1372.2 | 1391.6 | 1607.2 | 1624.7 | 1510.1 | 1408.1 | 1385.8 | 1364.4 | 1337.2 | 1322.7 |
| 65°   | 1301.3 | 1226.5 | 1253.7 | 1459.6 | 1443.1 | 1295.5 | 1238.2 | 1233.3 | 1205.2 | 1182.8 | 1204.2 |
| 67.5° | 1170.2 | 1081.8 | 1119.7 | 1298.4 | 1223.6 | 1103.2 | 1079.9 | 1068.2 | 1045.9 | 1058.5 | 834.2  |
| 70°   | 1026.5 | 930.3  | 981.8  | 1124.6 | 1013.8 | 934.2  | 925.5  | 908.0  | 909.0  | 722.5  | 608.9  |
| 72.5° | 866.2  | 782.7  | 857.5  | 934.2  | 802.1  | 778.8  | 766.2  | 764.3  | 616.7  | 501.1  | 472.9  |
| 75°   | 725.4  | 640.9  | 721.5  | 750.7  | 639.0  | 623.5  | 622.5  | 514.7  | 405.0  | 386.5  | 377.8  |
| 77.5° | 566.2  | 501.1  | 577.8  | 534.1  | 490.4  | 472.9  | 424.4  | 318.5  | 304.9  | 292.3  | 109.7  |
| 80°   | 381.6  | 386.5  | 431.2  | 368.1  | 349.6  | 298.1  | 235.0  | 225.3  | 194.2  | 77.7   | 61.2   |
| 82.5° | 232.1  | 291.3  | 274.8  | 230.2  | 225.3  | 162.2  | 148.6  | 75.7   | 56.3   | 44.7   | 38.8   |
| 85°   | 120.4  | 147.6  | 141.8  | 125.3  | 93.2   | 83.5   | 46.6   | 35.9   | 29.1   | 22.3   | 18.5   |
| 87.5° | 40.8   | 54.4   | 52.4   | 41.8   | 32.0   | 25.2   | 16.5   | 13.6   | 9.7    | 7.8    | 6.8    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 189°   | 190°   | 191°   | 192°   | 193°   | 194°   | 195°   | 196°   | 197°   | 198°   | 199°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3261.0 | 3261.0 | 3259.1 | 3261.0 | 3262.0 | 3260.0 | 3260.0 | 3262.0 | 3263.0 | 3263.9 | 3268.8 |
| 5°    | 3265.9 | 3267.8 | 3270.7 | 3276.6 | 3277.5 | 3289.2 | 3294.0 | 3296.9 | 3299.9 | 3300.8 | 3294.0 |
| 7.5°  | 3276.6 | 3283.4 | 3289.2 | 3288.2 | 3281.4 | 3263.0 | 3257.1 | 3252.3 | 3261.0 | 3283.4 | 3309.6 |
| 10°   | 3286.3 | 3255.2 | 3196.9 | 3276.6 | 3252.3 | 3274.6 | 3340.6 | 3355.2 | 3399.9 | 3463.0 | 3481.5 |
| 12.5° | 3219.3 | 3304.7 | 3323.2 | 3233.8 | 3398.9 | 3337.7 | 3410.6 | 3474.7 | 3493.1 | 3557.2 | 3518.4 |
| 15°   | 3291.1 | 3332.9 | 3361.0 | 3450.4 | 3440.7 | 3493.1 | 3513.5 | 3500.9 | 3503.8 | 3520.3 | 3564.0 |
| 17.5° | 3290.1 | 3373.7 | 3392.1 | 3452.3 | 3493.1 | 3494.1 | 3488.3 | 3482.4 | 3498.0 | 3510.6 | 3484.4 |
| 20°   | 3346.5 | 3373.7 | 3409.6 | 3433.9 | 3441.6 | 3451.4 | 3469.8 | 3455.2 | 3426.1 | 3397.9 | 3386.3 |
| 22.5° | 3318.3 | 3379.5 | 3410.6 | 3414.5 | 3409.6 | 3379.5 | 3352.3 | 3311.5 | 3297.9 | 3283.4 | 3288.2 |
| 25°   | 3324.1 | 3352.3 | 3348.4 | 3332.9 | 3312.5 | 3256.2 | 3242.6 | 3225.1 | 3198.9 | 3135.7 | 3078.4 |
| 27.5° | 3282.4 | 3267.8 | 3250.3 | 3212.5 | 3175.6 | 3145.5 | 3111.5 | 3055.1 | 3008.5 | 2940.5 | 2915.3 |
| 30°   | 3212.5 | 3154.2 | 3111.5 | 3089.1 | 3053.2 | 3002.7 | 2951.2 | 2882.3 | 2823.0 | 2809.4 | 2796.8 |
| 32.5° | 3078.4 | 3021.2 | 2986.2 | 2931.8 | 2870.6 | 2810.4 | 2751.2 | 2724.0 | 2711.4 | 2713.3 | 2701.7 |
| 35°   | 2941.5 | 2891.0 | 2838.6 | 2757.0 | 2711.4 | 2651.2 | 2629.8 | 2624.0 | 2612.3 | 2599.7 | 2586.1 |
| 37.5° | 2795.9 | 2736.6 | 2658.0 | 2609.4 | 2563.8 | 2539.5 | 2528.8 | 2520.1 | 2499.7 | 2477.3 | 2461.8 |
| 40°   | 2655.0 | 2548.2 | 2504.5 | 2456.9 | 2443.3 | 2432.7 | 2417.1 | 2395.7 | 2367.6 | 2363.7 | 2356.9 |
| 42.5° | 2466.6 | 2389.9 | 2352.0 | 2342.3 | 2325.8 | 2307.4 | 2293.8 | 2270.5 | 2258.8 | 2266.6 | 2272.4 |
| 45°   | 2288.0 | 2249.1 | 2236.5 | 2224.8 | 2193.8 | 2167.5 | 2158.8 | 2151.0 | 2160.7 | 2203.5 | 2101.5 |
| 47.5° | 2143.3 | 2127.7 | 2112.2 | 2092.8 | 2063.6 | 2044.2 | 2052.9 | 2060.7 | 2069.5 | 1755.8 | 1602.3 |
| 50°   | 2018.0 | 1996.6 | 1972.3 | 1951.0 | 1933.5 | 1931.6 | 1977.2 | 1840.3 | 1541.2 | 1533.4 | 1378.0 |
| 52.5° | 1881.1 | 1849.0 | 1834.4 | 1821.8 | 1829.6 | 1858.7 | 1538.3 | 1427.5 | 1369.3 | 1189.6 | 1110.0 |
| 55°   | 1733.4 | 1705.3 | 1705.3 | 1716.9 | 1675.2 | 1357.6 | 1341.1 | 1159.5 | 1049.8 | 1018.7 | 1006.1 |
| 57.5° | 1585.8 | 1582.9 | 1599.4 | 1462.5 | 1232.3 | 1181.9 | 993.5  | 953.6  | 936.2  | 932.3  | 911.9  |
| 60°   | 1450.9 | 1478.0 | 1237.2 | 1138.2 | 989.6  | 892.5  | 865.3  | 860.4  | 842.0  | 835.2  | 816.7  |
| 62.5° | 1343.1 | 1113.9 | 1037.2 | 846.8  | 797.3  | 784.7  | 770.1  | 763.3  | 746.8  | 659.4  | 193.3  |
| 65°   | 970.1  | 916.7  | 743.9  | 711.8  | 707.9  | 689.5  | 683.7  | 614.7  | 144.7  | 97.1   | 82.5   |
| 67.5° | 732.2  | 649.7  | 627.3  | 621.5  | 603.1  | 566.2  | 168.0  | 96.1   | 82.5   | 71.9   | 63.1   |
| 70°   | 562.3  | 547.7  | 531.2  | 517.6  | 152.5  | 95.2   | 82.5   | 69.9   | 60.2   | 53.4   | 48.6   |
| 72.5° | 460.3  | 450.6  | 262.2  | 100.0  | 81.6   | 68.9   | 61.2   | 53.4   | 46.6   | 42.7   | 38.8   |
| 75°   | 360.3  | 100.0  | 82.5   | 68.9   | 59.2   | 50.5   | 44.7   | 39.8   | 35.9   | 33.0   | 30.1   |
| 77.5° | 81.6   | 66.0   | 56.3   | 47.6   | 42.7   | 37.9   | 34.0   | 29.1   | 26.2   | 23.3   | 19.4   |
| 80°   | 50.5   | 43.7   | 36.9   | 34.0   | 29.1   | 24.3   | 21.4   | 19.4   | 15.5   | 14.6   | 12.6   |
| 82.5° | 33.0   | 26.2   | 23.3   | 19.4   | 15.5   | 14.6   | 12.6   | 9.7    | 8.7    | 7.8    | 6.8    |
| 85°   | 14.6   | 12.6   | 10.7   | 8.7    | 6.8    | 5.8    | 4.9    | 3.9    | 3.9    | 3.9    | 3.9    |
| 87.5° | 4.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    | 1.9    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 200°   | 205°   | 210°   | 215°   | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3270.7 | 3288.2 | 3304.7 | 3299.9 | 3282.4 | 3255.2 | 3247.4 | 3236.7 | 3244.5 | 3261.0 | 3267.8 |
| 5°    | 3294.0 | 3284.3 | 3319.3 | 3370.8 | 3454.3 | 3462.0 | 3520.3 | 3533.9 | 3580.5 | 3609.6 | 3608.7 |
| 7.5°  | 3327.1 | 3465.0 | 3522.2 | 3584.4 | 3612.6 | 3605.8 | 3614.5 | 3607.7 | 3597.0 | 3592.2 | 3586.3 |
| 10°   | 3495.1 | 3599.9 | 3621.3 | 3621.3 | 3577.6 | 3518.4 | 3493.1 | 3449.4 | 3362.0 | 3364.0 | 3349.4 |
| 12.5° | 3593.1 | 3630.0 | 3579.5 | 3536.8 | 3361.0 | 3293.1 | 3219.3 | 3184.3 | 3163.9 | 3132.8 | 3144.5 |
| 15°   | 3541.7 | 3489.2 | 3459.1 | 3321.2 | 3213.4 | 3091.1 | 3093.0 | 3071.6 | 3049.3 | 3051.3 | 3036.7 |
| 17.5° | 3465.9 | 3424.2 | 3210.5 | 3115.3 | 3062.9 | 3015.3 | 3006.6 | 2978.4 | 2963.9 | 2959.0 | 2958.0 |
| 20°   | 3362.0 | 3211.5 | 3052.2 | 3028.9 | 2965.8 | 2911.4 | 2902.7 | 2911.4 | 2956.1 | 2876.5 | 2606.5 |
| 22.5° | 3240.6 | 3024.1 | 2977.4 | 2911.4 | 2868.7 | 2847.3 | 2900.7 | 2658.0 | 2290.9 | 2335.5 | 2288.0 |
| 25°   | 3034.7 | 2940.5 | 2860.9 | 2810.4 | 2805.6 | 2674.5 | 2228.7 | 2182.1 | 1946.1 | 1819.9 | 1678.1 |
| 27.5° | 2884.2 | 2843.4 | 2759.9 | 2751.2 | 2688.1 | 2187.0 | 1954.9 | 1698.5 | 1604.3 | 1589.7 | 1558.6 |
| 30°   | 2792.9 | 2734.7 | 2684.2 | 2463.7 | 2145.2 | 1760.6 | 1568.4 | 1532.4 | 1515.9 | 1498.4 | 1471.2 |
| 32.5° | 2683.2 | 2627.8 | 2652.1 | 2071.4 | 1710.1 | 1515.9 | 1477.1 | 1450.9 | 1420.7 | 1409.1 | 1311.0 |
| 35°   | 2571.5 | 2546.3 | 2072.4 | 1741.2 | 1470.3 | 1423.7 | 1394.5 | 1367.3 | 1087.7 | 263.2  | 89.3   |
| 37.5° | 2452.1 | 2446.2 | 1862.6 | 1445.0 | 1377.0 | 1333.3 | 1250.8 | 258.3  | 61.2   | 41.8   | 31.1   |
| 40°   | 2358.8 | 1863.6 | 1472.2 | 1354.7 | 1299.4 | 1230.4 | 172.9  | 42.7   | 27.2   | 16.5   | 10.7   |
| 42.5° | 2296.7 | 1676.2 | 1317.8 | 1271.2 | 1150.8 | 127.2  | 43.7   | 18.5   | 10.7   | 8.7    | 6.8    |
| 45°   | 1770.3 | 1323.6 | 1231.4 | 1182.8 | 145.7  | 43.7   | 25.2   | 8.7    | 6.8    | 5.8    | 3.9    |
| 47.5° | 1633.4 | 1202.2 | 1147.9 | 258.3  | 48.6   | 23.3   | 17.5   | 5.8    | 3.9    | 3.9    | 3.9    |
| 50°   | 1237.2 | 1111.0 | 913.8  | 63.1   | 31.1   | 16.5   | 12.6   | 3.9    | 3.9    | 3.9    | 2.9    |
| 52.5° | 1084.7 | 1025.5 | 98.1   | 41.8   | 24.3   | 12.6   | 7.8    | 2.9    | 2.9    | 2.9    | 2.9    |
| 55°   | 991.5  | 650.6  | 58.3   | 32.0   | 20.4   | 11.7   | 4.9    | 2.9    | 2.9    | 2.9    | 1.9    |
| 57.5° | 907.0  | 87.4   | 42.7   | 27.2   | 18.5   | 10.7   | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    |
| 60°   | 769.1  | 63.1   | 35.0   | 24.3   | 17.5   | 9.7    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 62.5° | 100.0  | 49.5   | 30.1   | 21.4   | 12.6   | 7.8    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 65°   | 72.8   | 38.8   | 27.2   | 14.6   | 7.8    | 2.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 67.5° | 56.3   | 32.0   | 20.4   | 12.6   | 6.8    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 70°   | 44.7   | 27.2   | 16.5   | 10.7   | 5.8    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 72.5° | 35.0   | 19.4   | 11.7   | 5.8    | 3.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 75°   | 26.2   | 15.5   | 8.7    | 4.9    | 1.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 77.5° | 17.5   | 9.7    | 6.8    | 3.9    | 3.9    | 3.9    | 4.9    | 4.9    | 2.9    | 2.9    | 2.9    |
| 80°   | 11.7   | 6.8    | 4.9    | 4.9    | 4.9    | 3.9    | 4.9    | 4.9    | 2.9    | 4.9    | 2.9    |
| 82.5° | 5.8    | 4.9    | 4.9    | 3.9    | 3.9    | 2.9    | 3.9    | 3.9    | 3.9    | 3.9    | 2.9    |
| 85°   | 3.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 2.9    |
| 87.5° | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 2.9    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 255°   | 260°   | 265°   | 270°   | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3259.1 | 3262.0 | 3254.2 | 3296.0 | 3274.6 | 3276.6 | 3285.3 | 3263.0 | 3267.8 | 3252.3 | 3241.6 |
| 5°    | 3612.6 | 3618.4 | 3624.2 | 3626.2 | 3630.0 | 3634.9 | 3629.1 | 3626.2 | 3620.3 | 3600.9 | 3580.5 |
| 7.5°  | 3557.2 | 3550.4 | 3547.5 | 3551.4 | 3558.2 | 3561.1 | 3556.2 | 3563.0 | 3588.3 | 3599.0 | 3605.8 |
| 10°   | 3265.9 | 3234.8 | 3256.2 | 3253.2 | 3229.0 | 3310.5 | 3288.2 | 3300.8 | 3309.6 | 3398.9 | 3453.3 |
| 12.5° | 3127.0 | 3146.4 | 3109.5 | 3091.1 | 3115.3 | 3131.9 | 3148.4 | 3113.4 | 3162.0 | 3139.6 | 3211.5 |
| 15°   | 3010.5 | 2998.8 | 2994.9 | 2995.9 | 2991.0 | 3014.4 | 3020.2 | 3027.9 | 3034.7 | 3064.9 | 3076.5 |
| 17.5° | 2958.0 | 2977.4 | 2985.2 | 2991.0 | 2981.3 | 2970.7 | 2960.0 | 2944.4 | 2949.3 | 2941.5 | 2963.9 |
| 20°   | 2424.9 | 2359.8 | 2355.9 | 2393.8 | 2352.0 | 2375.4 | 2431.7 | 2808.5 | 2795.9 | 2942.5 | 2893.0 |
| 22.5° | 2023.8 | 1962.6 | 1910.2 | 1864.5 | 1929.6 | 1956.8 | 2061.7 | 2180.2 | 2372.4 | 2342.3 | 2551.1 |
| 25°   | 1652.8 | 1630.5 | 1616.9 | 1610.1 | 1615.0 | 1613.0 | 1636.3 | 1691.7 | 1779.1 | 1985.0 | 2251.1 |
| 27.5° | 1546.0 | 1535.3 | 1530.5 | 1514.9 | 1526.6 | 1522.7 | 1541.2 | 1552.8 | 1579.0 | 1599.4 | 1685.9 |
| 30°   | 1461.5 | 1448.9 | 1440.2 | 1423.7 | 1435.3 | 1436.3 | 1442.1 | 1472.2 | 1482.9 | 1500.4 | 1527.6 |
| 32.5° | 534.1  | 314.6  | 295.2  | 280.7  | 306.9  | 400.1  | 702.1  | 1227.5 | 1400.4 | 1413.9 | 1445.0 |
| 35°   | 52.4   | 43.7   | 38.8   | 38.8   | 39.8   | 43.7   | 58.3   | 153.4  | 280.7  | 1084.7 | 1357.6 |
| 37.5° | 20.4   | 17.5   | 14.6   | 13.6   | 14.6   | 16.5   | 22.3   | 29.1   | 39.8   | 82.5   | 368.1  |
| 40°   | 8.7    | 7.8    | 6.8    | 6.8    | 6.8    | 6.8    | 7.8    | 9.7    | 14.6   | 27.2   | 42.7   |
| 42.5° | 5.8    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 6.8    | 8.7    | 17.5   |
| 45°   | 3.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 4.9    | 7.8    |
| 47.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    |
| 50°   | 2.9    | 2.9    | 2.9    | 2.9    | 1.9    | 2.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 52.5° | 2.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    | 2.9    |
| 55°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    |
| 57.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 60°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 62.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    | 2.9    | 1.9    |
| 65°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.9    | 1.9    |
| 67.5° | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 70°   | 2.9    | 2.9    | 1.9    | 2.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 1.9    | 1.9    |
| 72.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 5.8    | 5.8    | 3.9    |
| 75°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 4.9    | 5.8    | 4.9    |
| 77.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 4.9    | 4.9    | 4.9    |
| 80°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 3.9    |
| 82.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 3.9    |
| 85°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 87.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 310°   | 315°   | 320°   | 325°   | 330°   | 335°   | 340°   | 341°   | 342°   | 343°   | 344°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3223.1 | 3222.2 | 3242.6 | 3258.1 | 3252.3 | 3258.1 | 3264.9 | 3265.9 | 3267.8 | 3260.0 | 3257.1 |
| 5°    | 3541.7 | 3511.6 | 3453.3 | 3411.5 | 3363.0 | 3274.6 | 3230.9 | 3235.8 | 3236.7 | 3233.8 | 3237.7 |
| 7.5°  | 3602.9 | 3599.9 | 3579.5 | 3570.8 | 3537.8 | 3474.7 | 3373.7 | 3356.2 | 3313.5 | 3286.3 | 3263.9 |
| 10°   | 3449.4 | 3519.3 | 3537.8 | 3568.9 | 3588.3 | 3576.6 | 3491.2 | 3478.5 | 3451.4 | 3420.3 | 3427.1 |
| 12.5° | 3283.4 | 3340.6 | 3343.6 | 3512.5 | 3550.4 | 3554.3 | 3521.3 | 3538.8 | 3542.6 | 3472.7 | 3431.9 |
| 15°   | 3079.4 | 3106.6 | 3163.9 | 3321.2 | 3435.8 | 3507.7 | 3529.0 | 3538.8 | 3491.2 | 3488.3 | 3471.7 |
| 17.5° | 2990.1 | 3007.6 | 3033.8 | 3122.1 | 3296.0 | 3401.8 | 3492.1 | 3485.3 | 3503.8 | 3490.2 | 3448.4 |
| 20°   | 2877.4 | 2892.0 | 2938.6 | 2983.3 | 3068.7 | 3209.5 | 3378.5 | 3391.1 | 3415.4 | 3412.5 | 3424.2 |
| 22.5° | 2875.5 | 2824.0 | 2831.8 | 2866.7 | 2956.1 | 3082.3 | 3262.0 | 3303.7 | 3319.3 | 3330.0 | 3342.6 |
| 25°   | 2281.2 | 2690.0 | 2764.8 | 2787.1 | 2845.4 | 2919.2 | 3130.9 | 3146.4 | 3175.6 | 3223.1 | 3258.1 |
| 27.5° | 1976.2 | 2254.0 | 2553.1 | 2708.4 | 2745.4 | 2806.5 | 2932.8 | 2956.1 | 3055.1 | 3066.8 | 3121.2 |
| 30°   | 1559.6 | 1774.2 | 2220.9 | 2594.8 | 2656.0 | 2698.7 | 2788.1 | 2834.7 | 2877.4 | 2924.0 | 2981.3 |
| 32.5° | 1467.4 | 1501.3 | 1749.0 | 2147.1 | 2623.0 | 2590.9 | 2657.0 | 2685.1 | 2731.8 | 2772.5 | 2814.3 |
| 35°   | 1382.9 | 1406.2 | 1458.6 | 1758.7 | 2136.5 | 2502.6 | 2547.2 | 2565.7 | 2591.9 | 2623.0 | 2653.1 |
| 37.5° | 1294.5 | 1329.5 | 1365.4 | 1446.0 | 1976.2 | 2432.7 | 2431.7 | 2453.0 | 2468.6 | 2494.8 | 2520.1 |
| 40°   | 235.0  | 1220.7 | 1279.0 | 1331.4 | 1532.4 | 1940.3 | 2322.9 | 2332.6 | 2343.3 | 2359.8 | 2386.0 |
| 42.5° | 37.9   | 203.9  | 1198.4 | 1248.9 | 1306.2 | 1737.3 | 2273.4 | 2233.6 | 2226.8 | 2238.4 | 2261.7 |
| 45°   | 19.4   | 49.5   | 240.8  | 1166.3 | 1217.8 | 1385.8 | 1858.7 | 2164.6 | 2157.8 | 2135.5 | 2140.3 |
| 47.5° | 14.6   | 31.1   | 59.2   | 403.0  | 1140.1 | 1189.6 | 1715.0 | 1696.5 | 1825.7 | 2073.3 | 2035.5 |
| 50°   | 12.6   | 21.4   | 35.0   | 82.5   | 1007.1 | 1095.4 | 1320.7 | 1543.1 | 1611.1 | 1619.8 | 1917.0 |
| 52.5° | 11.7   | 14.6   | 25.2   | 53.4   | 211.7  | 1012.9 | 1074.1 | 1151.7 | 1266.3 | 1512.0 | 1506.2 |
| 55°   | 10.7   | 13.6   | 21.4   | 35.9   | 73.8   | 912.9  | 976.0  | 990.5  | 1014.8 | 1132.3 | 1287.7 |
| 57.5° | 5.8    | 12.6   | 20.4   | 31.1   | 55.4   | 167.0  | 885.7  | 897.3  | 916.7  | 921.6  | 976.9  |
| 60°   | 2.9    | 11.7   | 18.5   | 27.2   | 40.8   | 77.7   | 796.3  | 809.9  | 821.6  | 823.5  | 841.0  |
| 62.5° | 1.9    | 10.7   | 15.5   | 25.2   | 34.0   | 55.4   | 188.4  | 384.6  | 731.3  | 731.3  | 751.6  |
| 65°   | 1.9    | 7.8    | 9.7    | 16.5   | 31.1   | 45.6   | 79.6   | 92.3   | 179.7  | 441.9  | 659.4  |
| 67.5° | 1.9    | 2.9    | 8.7    | 13.6   | 23.3   | 35.0   | 58.3   | 68.0   | 81.6   | 93.2   | 172.9  |
| 70°   | 1.9    | 1.9    | 7.8    | 8.7    | 14.6   | 26.2   | 41.8   | 47.6   | 55.4   | 63.1   | 72.8   |
| 72.5° | 1.9    | 1.9    | 6.8    | 6.8    | 9.7    | 17.5   | 32.0   | 35.0   | 39.8   | 44.7   | 51.5   |
| 75°   | 4.9    | 3.9    | 5.8    | 5.8    | 6.8    | 13.6   | 24.3   | 27.2   | 29.1   | 33.0   | 37.9   |
| 77.5° | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 8.7    | 15.5   | 17.5   | 20.4   | 22.3   | 26.2   |
| 80°   | 3.9    | 3.9    | 3.9    | 4.9    | 4.9    | 5.8    | 9.7    | 10.7   | 11.7   | 14.6   | 15.5   |
| 82.5° | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    | 3.9    | 5.8    | 6.8    | 8.7    |
| 85°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 3.9    | 3.9    | 3.9    | 3.9    |
| 87.5° | 2.9    | 2.9    | 2.9    | 1.9    | 1.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 345°   | 346°   | 347°   | 348°   | 349°   | 350°   | 351°   | 352°   | 353°   | 354°   | 355°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3256.2 | 3250.3 | 3245.5 | 3248.4 | 3239.7 | 3235.8 | 3238.7 | 3239.7 | 3241.6 | 3246.4 | 3247.4 |
| 5°    | 3247.4 | 3245.5 | 3254.2 | 3259.1 | 3257.1 | 3259.1 | 3259.1 | 3255.2 | 3249.4 | 3253.2 | 3244.5 |
| 7.5°  | 3241.6 | 3229.0 | 3219.3 | 3221.2 | 3211.5 | 3223.1 | 3233.8 | 3249.4 | 3254.2 | 3254.2 | 3244.5 |
| 10°   | 3341.6 | 3328.0 | 3273.6 | 3236.7 | 3212.5 | 3191.1 | 3241.6 | 3190.1 | 3214.4 | 3122.1 | 3228.0 |
| 12.5° | 3424.2 | 3442.6 | 3418.3 | 3317.3 | 3299.9 | 3235.8 | 3272.7 | 3209.5 | 3191.1 | 3085.2 | 3119.2 |
| 15°   | 3457.2 | 3422.2 | 3414.5 | 3386.3 | 3348.4 | 3330.0 | 3230.9 | 3220.2 | 3190.1 | 3201.8 | 3157.1 |
| 17.5° | 3428.0 | 3445.5 | 3422.2 | 3403.8 | 3364.9 | 3321.2 | 3262.0 | 3209.5 | 3167.8 | 3074.6 | 3153.2 |
| 20°   | 3399.9 | 3423.2 | 3353.3 | 3364.9 | 3368.8 | 3318.3 | 3287.2 | 3243.5 | 3191.1 | 3103.7 | 3035.7 |
| 22.5° | 3353.3 | 3336.8 | 3342.6 | 3325.1 | 3310.5 | 3317.3 | 3274.6 | 3244.5 | 3156.1 | 3116.3 | 3024.1 |
| 25°   | 3277.5 | 3271.7 | 3287.2 | 3285.3 | 3250.3 | 3238.7 | 3217.3 | 3185.3 | 3150.3 | 3086.2 | 3010.5 |
| 27.5° | 3154.2 | 3184.3 | 3211.5 | 3224.1 | 3205.7 | 3174.6 | 3162.9 | 3144.5 | 3120.2 | 3055.1 | 2998.8 |
| 30°   | 3024.1 | 3058.1 | 3089.1 | 3116.3 | 3132.8 | 3119.2 | 3108.6 | 3097.9 | 3061.0 | 3018.2 | 2955.1 |
| 32.5° | 2875.5 | 2920.2 | 2962.9 | 2995.9 | 3031.8 | 3042.5 | 3034.7 | 3026.0 | 2994.9 | 2956.1 | 2905.6 |
| 35°   | 2703.6 | 2764.8 | 2826.9 | 2886.2 | 2901.7 | 2927.0 | 2952.2 | 2937.6 | 2921.1 | 2882.3 | 2835.7 |
| 37.5° | 2557.9 | 2601.6 | 2646.3 | 2721.1 | 2775.5 | 2807.5 | 2852.2 | 2858.0 | 2829.8 | 2811.4 | 2750.2 |
| 40°   | 2407.4 | 2447.2 | 2512.3 | 2556.0 | 2630.8 | 2667.7 | 2715.2 | 2736.6 | 2729.8 | 2719.1 | 2665.7 |
| 42.5° | 2288.9 | 2308.3 | 2351.1 | 2389.9 | 2463.7 | 2539.5 | 2581.2 | 2604.5 | 2628.8 | 2620.1 | 2592.9 |
| 45°   | 2162.7 | 2180.2 | 2194.7 | 2228.7 | 2300.6 | 2367.6 | 2419.1 | 2454.0 | 2497.7 | 2518.1 | 2485.1 |
| 47.5° | 2037.4 | 2042.3 | 2059.7 | 2087.9 | 2130.6 | 2182.1 | 2268.5 | 2321.0 | 2361.8 | 2401.6 | 2380.2 |
| 50°   | 1941.3 | 1923.8 | 1926.7 | 1944.2 | 1979.1 | 2029.6 | 2091.8 | 2165.6 | 2212.2 | 2260.8 | 2265.6 |
| 52.5° | 1696.5 | 1838.3 | 1804.3 | 1814.0 | 1832.5 | 1856.8 | 1921.8 | 1994.7 | 2052.0 | 2093.7 | 2135.5 |
| 55°   | 1423.7 | 1451.8 | 1724.7 | 1685.9 | 1697.5 | 1718.9 | 1749.0 | 1821.8 | 1877.2 | 1935.4 | 1993.7 |
| 57.5° | 1104.2 | 1313.9 | 1324.6 | 1577.1 | 1571.3 | 1573.2 | 1598.5 | 1640.2 | 1695.6 | 1768.4 | 1817.9 |
| 60°   | 858.5  | 946.8  | 1118.7 | 1206.1 | 1427.5 | 1435.3 | 1449.9 | 1474.2 | 1521.7 | 1590.7 | 1669.4 |
| 62.5° | 757.5  | 769.1  | 830.3  | 961.4  | 1105.1 | 1279.0 | 1310.0 | 1313.9 | 1335.3 | 1404.2 | 1495.5 |
| 65°   | 665.2  | 673.0  | 691.4  | 705.0  | 825.5  | 993.5  | 1143.0 | 1167.3 | 1180.9 | 1221.7 | 1299.4 |
| 67.5° | 458.4  | 579.8  | 596.3  | 606.0  | 617.6  | 695.3  | 880.8  | 1004.1 | 1019.7 | 1055.6 | 1123.6 |
| 70°   | 88.4   | 183.5  | 502.1  | 512.8  | 518.6  | 536.1  | 566.2  | 762.3  | 865.3  | 899.3  | 930.3  |
| 72.5° | 60.2   | 70.9   | 85.5   | 202.0  | 427.3  | 437.0  | 443.8  | 469.1  | 642.9  | 741.9  | 758.4  |
| 75°   | 43.7   | 48.6   | 57.3   | 70.9   | 87.4   | 284.5  | 352.5  | 365.1  | 377.8  | 521.5  | 605.0  |
| 77.5° | 31.1   | 35.0   | 38.8   | 45.6   | 53.4   | 68.9   | 99.1   | 272.9  | 285.5  | 292.3  | 412.7  |
| 80°   | 17.5   | 21.4   | 26.2   | 30.1   | 34.0   | 38.8   | 50.5   | 63.1   | 140.8  | 205.9  | 216.6  |
| 82.5° | 9.7    | 11.7   | 13.6   | 16.5   | 18.5   | 23.3   | 28.2   | 34.0   | 44.7   | 66.0   | 139.8  |
| 85°   | 4.9    | 4.9    | 4.9    | 6.8    | 7.8    | 10.7   | 12.6   | 14.6   | 20.4   | 28.2   | 38.8   |
| 87.5° | 2.9    | 2.9    | 3.9    | 3.9    | 3.9    | 4.9    | 4.9    | 4.9    | 5.8    | 8.7    | 12.6   |
| 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: P1213132

CATALOG NUMBER: 4SNLED-LD5-58SL-RM-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

|       | 356°   | 357°   | 358°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3235.8 | 3235.8 | 3235.8 | 3235.8 | 3235.8 |
| 2.5°  | 3248.4 | 3245.5 | 3245.5 | 3257.1 | 3254.2 |
| 5°    | 3242.6 | 3239.7 | 3238.7 | 3251.3 | 3245.5 |
| 7.5°  | 3237.7 | 3227.0 | 3224.1 | 3235.8 | 3230.9 |
| 10°   | 3218.3 | 3210.5 | 3215.4 | 3211.5 | 3209.5 |
| 12.5° | 3185.3 | 3180.4 | 3160.0 | 3162.0 | 3178.5 |
| 15°   | 3126.0 | 3145.5 | 3110.5 | 3141.6 | 3148.4 |
| 17.5° | 3017.3 | 3061.0 | 3095.0 | 3113.4 | 3116.3 |
| 20°   | 3065.8 | 3080.4 | 3062.9 | 3063.9 | 3075.5 |
| 22.5° | 3002.7 | 3009.5 | 3014.4 | 3008.5 | 3033.8 |
| 25°   | 2901.7 | 2875.5 | 2931.8 | 2943.5 | 2984.2 |
| 27.5° | 2870.6 | 2849.3 | 2875.5 | 2873.5 | 2907.5 |
| 30°   | 2845.4 | 2776.4 | 2788.1 | 2806.5 | 2848.3 |
| 32.5° | 2809.4 | 2700.7 | 2689.0 | 2729.8 | 2776.4 |
| 35°   | 2746.3 | 2643.4 | 2616.2 | 2642.4 | 2712.3 |
| 37.5° | 2692.9 | 2563.8 | 2509.4 | 2544.3 | 2635.6 |
| 40°   | 2613.3 | 2501.6 | 2417.1 | 2448.2 | 2556.0 |
| 42.5° | 2518.1 | 2448.2 | 2318.1 | 2339.4 | 2462.8 |
| 45°   | 2422.0 | 2359.8 | 2221.9 | 2232.6 | 2379.2 |
| 47.5° | 2323.9 | 2266.6 | 2121.9 | 2123.8 | 2272.4 |
| 50°   | 2227.7 | 2152.0 | 2032.6 | 1998.6 | 2158.8 |
| 52.5° | 2102.5 | 2032.6 | 1942.2 | 1886.9 | 2051.0 |
| 55°   | 1984.0 | 1905.3 | 1839.3 | 1753.8 | 1928.6 |
| 57.5° | 1868.4 | 1781.0 | 1736.4 | 1626.6 | 1789.8 |
| 60°   | 1710.1 | 1668.4 | 1602.3 | 1497.5 | 1664.5 |
| 62.5° | 1548.0 | 1534.4 | 1467.4 | 1358.6 | 1510.1 |
| 65°   | 1358.6 | 1390.6 | 1321.7 | 1228.5 | 1349.9 |
| 67.5° | 1179.9 | 1237.2 | 1161.5 | 1104.2 | 1195.4 |
| 70°   | 989.6  | 1055.6 | 1012.9 | 992.5  | 1031.3 |
| 72.5° | 802.1  | 866.2  | 870.1  | 855.6  | 868.2  |
| 75°   | 619.6  | 690.5  | 729.3  | 707.0  | 709.9  |
| 77.5° | 470.0  | 504.0  | 546.7  | 564.2  | 560.3  |
| 80°   | 290.4  | 349.6  | 384.6  | 420.5  | 407.9  |
| 82.5° | 146.6  | 196.2  | 238.9  | 277.7  | 259.3  |
| 85°   | 61.2   | 78.7   | 109.7  | 144.7  | 138.9  |
| 87.5° | 18.5   | 31.1   | 33.0   | 46.6   | 43.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)