

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: PORTFOLIO

Report Number: P244103

Luminaire Tested: **LD8B50D010 ER8B50835 8LBSW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244103  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B50D010 ER8B50835 8LBSW0LI  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5820.0 lumens  
Efficiency: N/A  
Efficacy: 109.8 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

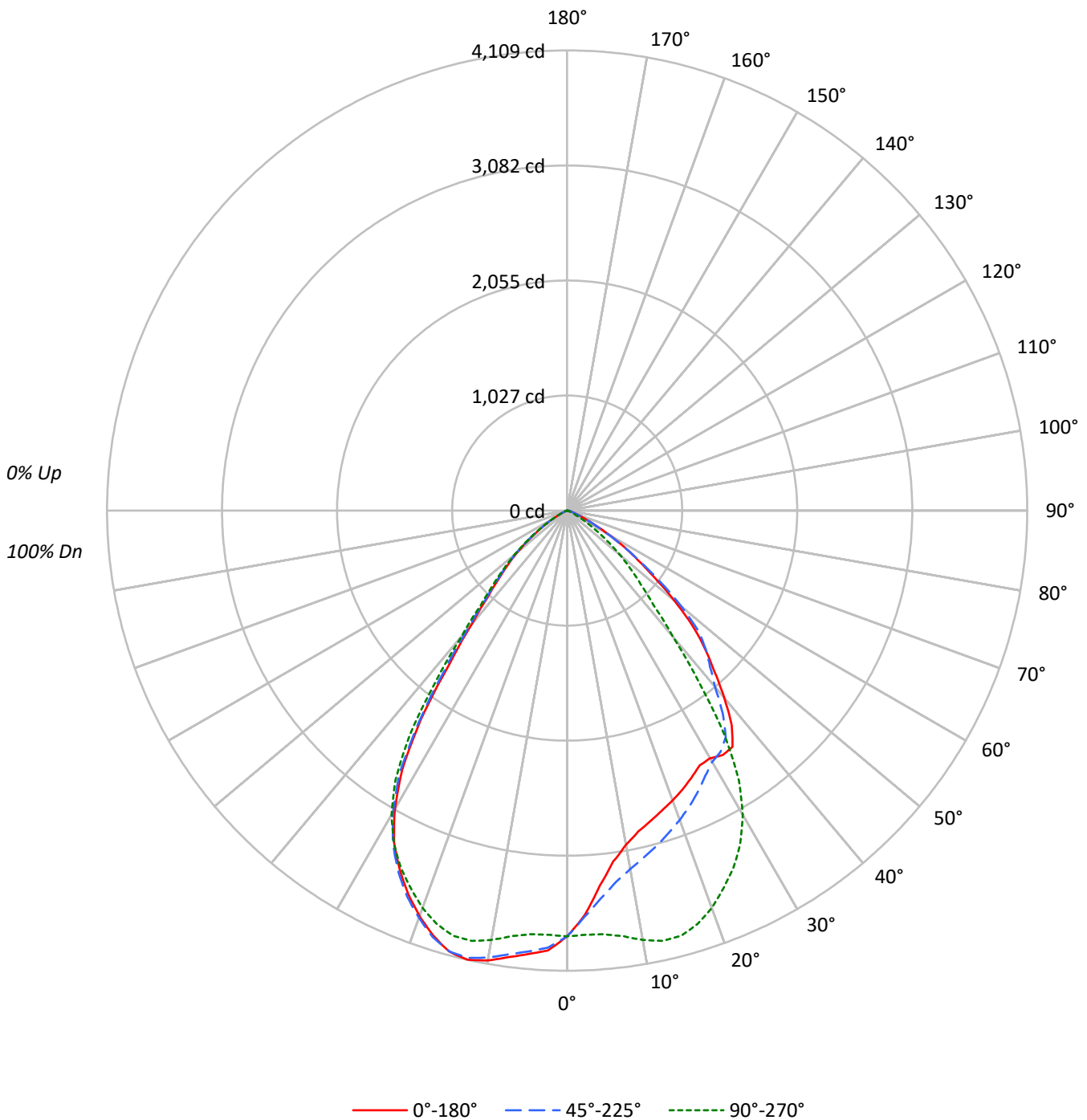
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P244103

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0LI

### Luminous Intensity Polar Plot





TEST NUMBER: P244103

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0LI

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

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |     |     |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  | 0   |     |     |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 | 100 |
| 1   | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 96  | 94  | 93  | 91  |
| 2   | 105 | 99  | 95  | 91  | 103 | 98  | 93  | 90  | 94  | 91  | 88  |  | 91  | 88  | 86  |  | 88  | 86  | 84  | 82  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 79  | 87  | 82  | 78  |  | 84  | 80  | 77  |  | 82  | 78  | 76  | 74  |
| 4   | 92  | 83  | 76  | 71  | 90  | 82  | 76  | 71  | 80  | 74  | 70  |  | 77  | 73  | 69  |  | 76  | 72  | 68  | 67  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 68  | 63  |  | 72  | 66  | 63  |  | 70  | 65  | 62  | 60  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 63  | 58  | 68  | 62  | 57  |  | 66  | 61  | 57  |  | 65  | 60  | 56  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  |  | 61  | 56  | 52  |  | 60  | 55  | 52  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 53  | 48  | 58  | 52  | 48  |  | 57  | 52  | 48  |  | 56  | 51  | 47  | 46  |
| 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  | 40  |  | 49  | 44  | 40  | 39  |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 117243 | 117243 | 117243 |
| 5°  | 104021 | 117536 | 123039 |
| 10° | 94841  | 121898 | 127715 |
| 15° | 91654  | 125462 | 130148 |
| 20° | 90347  | 123914 | 126470 |
| 25° | 89460  | 119642 | 120391 |
| 30° | 90918  | 111656 | 109590 |
| 35° | 96911  | 92398  | 85705  |
| 40° | 87826  | 59153  | 53562  |
| 45° | 75801  | 40469  | 37683  |
| 50° | 59808  | 29522  | 27795  |
| 55° | 41515  | 18155  | 17080  |
| 60° | 26433  | 9177   | 8196   |
| 65° | 13192  | 3641   | 2773   |
| 70° | 7294   | 1803   | 992    |
| 75° | 5242   | 1311   | 477    |
| 80° | 4262   | 888    | 178    |
| 85° | 4599   | 708    | 0      |



TEST NUMBER: P244103

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0LI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 354.4  | 6.1       |
| 10°-20°   | 1023.5 | 17.6      |
| 20°-30°   | 1485.6 | 25.5      |
| 30°-40°   | 1463.1 | 25.1      |
| 40°-50°   | 917.2  | 15.8      |
| 50°-60°   | 442.6  | 7.6       |
| 60°-70°   | 107.1  | 1.8       |
| 70°-80°   | 21.6   | 0.4       |
| 80°-90°   | 5.0    | 0.1       |
| 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°    | 2863.4 | 49.2      |
| 0°-40°    | 4326.6 | 74.3      |
| 0°-60°    | 5686.3 | 97.7      |
| 0°-90°    | 5820.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5820.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3802 | 3802 | 3802 | 3802 | 3802 |      |
| 5°  | 3360 | 3474 | 3797 | 3951 | 3975 | 311  |
| 15° | 2871 | 3097 | 3930 | 4074 | 4077 | 812  |
| 25° | 2629 | 2766 | 3516 | 3564 | 3538 | 1217 |
| 35° | 2574 | 2470 | 2454 | 2315 | 2277 | 1558 |
| 45° | 1738 | 1750 | 928  | 889  | 864  | 1329 |
| 55° | 772  | 797  | 338  | 334  | 318  | 710  |
| 65° | 181  | 179  | 50   | 43   | 38   | 206  |
| 75° | 44   | 38   | 11   | 5    | 4    | 49   |
| 85° | 13   | 10   | 2    | 0    | 0    | 13   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P244103

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0LI

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 |
| 2.5°  | 3614.3 | 3591.3 | 3548.3 | 3600.3 | 3600.3 | 3571.3 | 3629.3 | 3594.3 | 3622.3 | 3666.2 | 3627.3 |
| 5°    | 3360.5 | 3341.6 | 3305.6 | 3360.5 | 3367.5 | 3340.6 | 3410.5 | 3384.5 | 3425.5 | 3479.4 | 3474.4 |
| 7.5°  | 3159.7 | 3135.8 | 3102.8 | 3159.7 | 3170.7 | 3152.8 | 3219.7 | 3207.7 | 3261.6 | 3331.6 | 3343.6 |
| 10°   | 3028.9 | 3003.9 | 2974.9 | 3026.9 | 3034.9 | 3022.9 | 3090.8 | 3083.8 | 3136.8 | 3217.7 | 3249.7 |
| 12.5° | 2936.0 | 2915.0 | 2883.0 | 2938.0 | 2947.0 | 2930.0 | 2993.9 | 2990.9 | 3045.9 | 3130.8 | 3170.7 |
| 15°   | 2871.0 | 2846.1 | 2817.1 | 2864.1 | 2876.0 | 2857.1 | 2918.0 | 2912.0 | 2967.9 | 3051.9 | 3096.8 |
| 17.5° | 2810.1 | 2787.1 | 2757.2 | 2801.1 | 2813.1 | 2793.1 | 2853.1 | 2843.1 | 2891.0 | 2970.9 | 3016.9 |
| 20°   | 2753.2 | 2728.2 | 2701.2 | 2746.2 | 2753.2 | 2730.2 | 2790.1 | 2777.1 | 2820.1 | 2894.0 | 2939.0 |
| 22.5° | 2694.2 | 2668.3 | 2640.3 | 2684.2 | 2691.2 | 2668.3 | 2723.2 | 2708.2 | 2748.2 | 2815.1 | 2856.1 |
| 25°   | 2629.3 | 2605.3 | 2577.3 | 2618.3 | 2624.3 | 2599.3 | 2657.3 | 2638.3 | 2673.2 | 2732.2 | 2766.2 |
| 27.5° | 2564.4 | 2541.4 | 2510.4 | 2552.4 | 2555.4 | 2531.4 | 2584.3 | 2558.4 | 2587.3 | 2641.3 | 2670.3 |
| 30°   | 2553.4 | 2527.4 | 2495.4 | 2529.4 | 2530.4 | 2499.4 | 2549.4 | 2518.4 | 2534.4 | 2574.4 | 2591.3 |
| 32.5° | 2588.3 | 2562.4 | 2529.4 | 2557.4 | 2554.4 | 2520.4 | 2568.4 | 2530.4 | 2535.4 | 2556.4 | 2552.4 |
| 35°   | 2574.4 | 2543.4 | 2504.4 | 2534.4 | 2534.4 | 2493.4 | 2541.4 | 2496.4 | 2491.4 | 2494.4 | 2469.5 |
| 37.5° | 2415.5 | 2391.5 | 2354.6 | 2383.5 | 2380.6 | 2349.6 | 2386.5 | 2349.6 | 2332.6 | 2325.6 | 2280.7 |
| 40°   | 2181.8 | 2152.8 | 2124.8 | 2155.8 | 2158.8 | 2125.8 | 2173.8 | 2131.8 | 2126.8 | 2106.8 | 2053.9 |
| 42.5° | 1945.0 | 1935.0 | 1908.0 | 1934.0 | 1948.0 | 1920.0 | 1960.0 | 1940.0 | 1943.0 | 1938.0 | 1888.1 |
| 45°   | 1738.2 | 1721.2 | 1701.2 | 1731.2 | 1740.2 | 1726.2 | 1766.2 | 1754.2 | 1766.2 | 1791.2 | 1750.2 |
| 47.5° | 1515.4 | 1498.5 | 1476.5 | 1508.4 | 1524.4 | 1498.5 | 1532.4 | 1528.4 | 1546.4 | 1589.4 | 1585.4 |
| 50°   | 1246.7 | 1234.7 | 1230.7 | 1234.7 | 1244.7 | 1232.7 | 1256.7 | 1257.7 | 1269.7 | 1328.6 | 1332.6 |
| 52.5° | 987.0  | 984.0  | 970.0  | 983.0  | 983.0  | 964.0  | 988.0  | 977.0  | 989.0  | 1028.9 | 1054.9 |
| 55°   | 772.2  | 769.2  | 760.2  | 772.2  | 759.2  | 752.2  | 759.2  | 748.2  | 739.2  | 770.2  | 797.2  |
| 57.5° | 601.4  | 591.4  | 580.4  | 585.4  | 584.4  | 569.4  | 577.4  | 564.4  | 557.4  | 568.4  | 592.4  |
| 60°   | 428.6  | 425.6  | 415.6  | 420.6  | 424.6  | 413.6  | 421.6  | 415.6  | 403.6  | 412.6  | 413.6  |
| 62.5° | 284.7  | 286.7  | 280.7  | 281.7  | 278.7  | 276.7  | 281.7  | 284.7  | 281.7  | 277.7  | 278.7  |
| 65°   | 180.8  | 179.8  | 178.8  | 179.8  | 181.8  | 177.8  | 180.8  | 182.8  | 179.8  | 179.8  | 178.8  |
| 67.5° | 119.9  | 116.9  | 113.9  | 115.9  | 117.9  | 114.9  | 117.9  | 116.9  | 117.9  | 116.9  | 113.9  |
| 70°   | 80.9   | 79.9   | 78.9   | 79.9   | 79.9   | 77.9   | 79.9   | 78.9   | 79.9   | 78.9   | 75.9   |
| 72.5° | 58.9   | 58.9   | 57.9   | 58.9   | 58.9   | 56.9   | 57.9   | 55.9   | 56.9   | 55.9   | 53.9   |
| 75°   | 44.0   | 44.0   | 43.0   | 44.0   | 43.0   | 42.0   | 43.0   | 42.0   | 40.0   | 40.0   | 38.0   |
| 77.5° | 32.0   | 32.0   | 32.0   | 32.0   | 32.0   | 31.0   | 31.0   | 30.0   | 29.0   | 28.0   | 28.0   |
| 80°   | 24.0   | 23.0   | 23.0   | 23.0   | 23.0   | 22.0   | 23.0   | 22.0   | 21.0   | 20.0   | 19.0   |
| 82.5° | 17.0   | 18.0   | 17.0   | 17.0   | 17.0   | 16.0   | 17.0   | 16.0   | 16.0   | 15.0   | 13.0   |
| 85°   | 13.0   | 13.0   | 13.0   | 13.0   | 13.0   | 12.0   | 12.0   | 12.0   | 11.0   | 11.0   | 10.0   |
| 87.5° | 7.0    | 7.0    | 7.0    | 8.0    | 7.0    | 7.0    | 7.0    | 6.0    | 6.0    | 5.0    | 5.0    |
| 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: P244103

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0LI

**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 |
| 2.5°  | 3679.2 | 3684.2 | 3673.2 | 3690.2 | 3756.1 | 3703.2 | 3725.2 | 3732.2 | 3782.1 | 3791.1 | 3785.1 |
| 5°    | 3539.4 | 3561.3 | 3575.3 | 3613.3 | 3686.2 | 3648.2 | 3687.2 | 3712.2 | 3776.1 | 3797.1 | 3802.1 |
| 7.5°  | 3429.5 | 3475.4 | 3509.4 | 3571.3 | 3657.2 | 3628.3 | 3687.2 | 3728.2 | 3806.1 | 3833.1 | 3846.0 |
| 10°   | 3347.6 | 3417.5 | 3476.4 | 3561.3 | 3658.2 | 3639.3 | 3716.2 | 3774.1 | 3861.0 | 3893.0 | 3909.0 |
| 12.5° | 3285.6 | 3370.5 | 3449.5 | 3557.3 | 3662.2 | 3653.2 | 3746.1 | 3812.1 | 3904.0 | 3936.0 | 3954.9 |
| 15°   | 3217.7 | 3315.6 | 3407.5 | 3528.4 | 3641.3 | 3639.3 | 3739.2 | 3809.1 | 3903.0 | 3930.0 | 3947.9 |
| 17.5° | 3136.8 | 3241.7 | 3342.6 | 3473.4 | 3585.3 | 3587.3 | 3688.2 | 3757.1 | 3849.0 | 3871.0 | 3883.0 |
| 20°   | 3054.9 | 3158.7 | 3259.6 | 3394.5 | 3504.4 | 3507.4 | 3606.3 | 3670.2 | 3758.1 | 3776.1 | 3779.1 |
| 22.5° | 2967.9 | 3064.8 | 3165.7 | 3299.6 | 3405.5 | 3407.5 | 3505.4 | 3565.3 | 3640.3 | 3649.2 | 3657.2 |
| 25°   | 2869.0 | 2964.0 | 3058.9 | 3191.7 | 3292.6 | 3298.6 | 3387.5 | 3440.5 | 3509.4 | 3516.4 | 3519.4 |
| 27.5° | 2766.2 | 2844.1 | 2935.0 | 3048.9 | 3150.8 | 3146.8 | 3230.7 | 3290.6 | 3352.6 | 3348.6 | 3347.6 |
| 30°   | 2662.3 | 2727.2 | 2783.1 | 2893.0 | 2967.9 | 2970.9 | 3049.9 | 3078.8 | 3143.8 | 3135.8 | 3134.8 |
| 32.5° | 2589.3 | 2606.3 | 2621.3 | 2677.2 | 2748.2 | 2723.2 | 2777.1 | 2813.1 | 2858.1 | 2855.1 | 2856.1 |
| 35°   | 2455.5 | 2424.5 | 2379.6 | 2387.5 | 2430.5 | 2391.5 | 2420.5 | 2419.5 | 2465.5 | 2454.5 | 2467.5 |
| 37.5° | 2226.7 | 2138.8 | 2038.9 | 1982.0 | 1990.0 | 1941.0 | 1931.0 | 1955.0 | 1971.0 | 1940.0 | 1951.0 |
| 40°   | 1983.0 | 1853.1 | 1697.3 | 1567.4 | 1560.4 | 1499.5 | 1488.5 | 1464.5 | 1495.5 | 1469.5 | 1477.5 |
| 42.5° | 1803.1 | 1631.3 | 1426.5 | 1268.7 | 1234.7 | 1183.8 | 1153.8 | 1149.8 | 1158.8 | 1140.8 | 1135.8 |
| 45°   | 1665.3 | 1482.5 | 1247.7 | 1066.9 | 1028.9 | 974.0  | 944.0  | 933.0  | 934.0  | 928.0  | 923.1  |
| 47.5° | 1503.5 | 1319.6 | 1081.9 | 897.1  | 854.1  | 802.2  | 772.2  | 765.2  | 769.2  | 761.2  | 755.2  |
| 50°   | 1279.7 | 1114.9 | 898.1  | 729.2  | 691.3  | 653.3  | 629.4  | 622.4  | 621.4  | 615.4  | 611.4  |
| 52.5° | 1038.9 | 902.1  | 714.3  | 573.4  | 539.4  | 502.5  | 485.5  | 476.5  | 477.5  | 471.5  | 465.5  |
| 55°   | 804.2  | 719.3  | 553.4  | 433.6  | 402.6  | 373.6  | 357.6  | 346.6  | 343.6  | 337.7  | 334.7  |
| 57.5° | 598.4  | 541.4  | 414.6  | 312.7  | 294.7  | 266.7  | 250.7  | 237.8  | 235.8  | 232.8  | 231.8  |
| 60°   | 419.6  | 378.6  | 291.7  | 222.8  | 201.8  | 184.8  | 168.8  | 155.8  | 149.8  | 148.8  | 145.8  |
| 62.5° | 271.7  | 246.7  | 191.8  | 148.8  | 132.9  | 120.9  | 104.9  | 95.9   | 91.9   | 87.9   | 88.9   |
| 65°   | 168.8  | 149.8  | 119.9  | 95.9   | 86.9   | 77.9   | 65.9   | 57.9   | 53.9   | 49.9   | 50.9   |
| 67.5° | 104.9  | 93.9   | 75.9   | 61.9   | 55.9   | 48.9   | 40.0   | 34.0   | 31.0   | 28.0   | 26.0   |
| 70°   | 70.9   | 60.9   | 51.9   | 44.0   | 40.0   | 35.0   | 29.0   | 24.0   | 22.0   | 20.0   | 18.0   |
| 72.5° | 49.9   | 45.0   | 38.0   | 33.0   | 30.0   | 26.0   | 22.0   | 19.0   | 17.0   | 15.0   | 13.0   |
| 75°   | 36.0   | 32.0   | 28.0   | 24.0   | 22.0   | 20.0   | 17.0   | 15.0   | 13.0   | 11.0   | 9.0    |
| 77.5° | 26.0   | 23.0   | 20.0   | 18.0   | 17.0   | 14.0   | 12.0   | 11.0   | 10.0   | 8.0    | 6.0    |
| 80°   | 18.0   | 16.0   | 13.0   | 12.0   | 12.0   | 10.0   | 9.0    | 8.0    | 7.0    | 5.0    | 4.0    |
| 82.5° | 12.0   | 11.0   | 10.0   | 9.0    | 8.0    | 7.0    | 7.0    | 5.0    | 4.0    | 3.0    | 2.0    |
| 85°   | 9.0    | 8.0    | 7.0    | 6.0    | 6.0    | 5.0    | 4.0    | 3.0    | 3.0    | 2.0    | 1.0    |
| 87.5° | 5.0    | 5.0    | 4.0    | 3.0    | 3.0    | 2.0    | 2.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 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: P244103

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW0LI

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 |
| 2.5°  | 3836.1 | 3839.0 | 3856.0 | 3843.0 | 3876.0 | 3900.0 | 3888.0 | 3915.0 | 3906.0 | 3904.0 | 3935.0 |
| 5°    | 3862.0 | 3869.0 | 3892.0 | 3880.0 | 3916.0 | 3941.9 | 3930.0 | 3959.9 | 3950.9 | 3948.9 | 3980.9 |
| 7.5°  | 3912.0 | 3919.0 | 3938.9 | 3929.0 | 3966.9 | 3989.9 | 3974.9 | 4007.9 | 3995.9 | 3994.9 | 4025.9 |
| 10°   | 3974.9 | 3984.9 | 4001.9 | 3991.9 | 4026.9 | 4046.8 | 4031.9 | 4063.8 | 4052.8 | 4047.8 | 4081.8 |
| 12.5° | 4021.9 | 4028.9 | 4045.8 | 4037.8 | 4071.8 | 4086.8 | 4073.8 | 4104.8 | 4090.8 | 4086.8 | 4116.8 |
| 15°   | 4010.9 | 4017.9 | 4031.9 | 4024.9 | 4056.8 | 4070.8 | 4053.8 | 4087.8 | 4073.8 | 4065.8 | 4092.8 |
| 17.5° | 3940.9 | 3944.9 | 3954.9 | 3947.9 | 3981.9 | 3990.9 | 3971.9 | 4005.9 | 3992.9 | 3978.9 | 4004.9 |
| 20°   | 3838.1 | 3836.1 | 3842.0 | 3839.0 | 3867.0 | 3872.0 | 3860.0 | 3885.0 | 3870.0 | 3862.0 | 3877.0 |
| 22.5° | 3710.2 | 3708.2 | 3712.2 | 3704.2 | 3732.2 | 3735.2 | 3717.2 | 3747.1 | 3732.2 | 3717.2 | 3742.1 |
| 25°   | 3568.3 | 3557.3 | 3555.3 | 3558.3 | 3577.3 | 3580.3 | 3561.3 | 3583.3 | 3564.3 | 3552.3 | 3576.3 |
| 27.5° | 3393.5 | 3379.5 | 3376.5 | 3379.5 | 3398.5 | 3384.5 | 3368.5 | 3384.5 | 3365.5 | 3354.5 | 3369.5 |
| 30°   | 3177.7 | 3157.8 | 3148.8 | 3142.8 | 3162.7 | 3157.8 | 3120.8 | 3138.8 | 3108.8 | 3092.8 | 3103.8 |
| 32.5° | 2887.0 | 2876.0 | 2852.1 | 2838.1 | 2857.1 | 2819.1 | 2796.1 | 2796.1 | 2784.1 | 2757.2 | 2763.2 |
| 35°   | 2483.4 | 2466.5 | 2444.5 | 2432.5 | 2435.5 | 2384.5 | 2346.6 | 2354.6 | 2314.6 | 2307.6 | 2310.6 |
| 37.5° | 1973.0 | 1945.0 | 1937.0 | 1912.0 | 1918.0 | 1873.1 | 1821.1 | 1822.1 | 1801.1 | 1779.2 | 1772.2 |
| 40°   | 1482.5 | 1477.5 | 1469.5 | 1448.5 | 1456.5 | 1407.6 | 1387.6 | 1388.6 | 1374.6 | 1358.6 | 1366.6 |
| 42.5° | 1145.8 | 1129.8 | 1124.8 | 1117.8 | 1119.8 | 1111.9 | 1085.9 | 1088.9 | 1076.9 | 1072.9 | 1068.9 |
| 45°   | 931.0  | 914.1  | 902.1  | 908.1  | 908.1  | 899.1  | 889.1  | 895.1  | 889.1  | 881.1  | 885.1  |
| 47.5° | 767.2  | 751.2  | 745.2  | 744.2  | 751.2  | 745.2  | 735.2  | 737.2  | 736.2  | 733.2  | 731.2  |
| 50°   | 612.4  | 608.4  | 603.4  | 600.4  | 603.4  | 601.4  | 592.4  | 597.4  | 600.4  | 590.4  | 593.4  |
| 52.5° | 466.5  | 466.5  | 465.5  | 458.5  | 464.5  | 458.5  | 457.5  | 459.5  | 456.5  | 452.5  | 451.5  |
| 55°   | 341.6  | 338.7  | 333.7  | 332.7  | 334.7  | 332.7  | 330.7  | 331.7  | 333.7  | 323.7  | 323.7  |
| 57.5° | 233.8  | 231.8  | 228.8  | 228.8  | 232.8  | 227.8  | 224.8  | 228.8  | 224.8  | 220.8  | 220.8  |
| 60°   | 149.8  | 148.8  | 145.8  | 145.8  | 145.8  | 144.9  | 141.9  | 142.9  | 144.9  | 138.9  | 139.9  |
| 62.5° | 89.9   | 86.9   | 85.9   | 84.9   | 85.9   | 84.9   | 84.9   | 83.9   | 82.9   | 82.9   | 79.9   |
| 65°   | 48.9   | 47.0   | 45.0   | 46.0   | 46.0   | 45.0   | 45.0   | 45.0   | 43.0   | 42.0   | 41.0   |
| 67.5° | 25.0   | 23.0   | 23.0   | 22.0   | 22.0   | 22.0   | 22.0   | 21.0   | 21.0   | 21.0   | 20.0   |
| 70°   | 16.0   | 15.0   | 14.0   | 14.0   | 14.0   | 13.0   | 13.0   | 13.0   | 13.0   | 13.0   | 12.0   |
| 72.5° | 11.0   | 10.0   | 9.0    | 9.0    | 9.0    | 8.0    | 8.0    | 8.0    | 8.0    | 7.0    | 7.0    |
| 75°   | 8.0    | 7.0    | 6.0    | 6.0    | 6.0    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    | 5.0    |
| 77.5° | 5.0    | 4.0    | 4.0    | 4.0    | 4.0    | 3.0    | 3.0    | 3.0    | 3.0    | 3.0    | 2.0    |
| 80°   | 3.0    | 3.0    | 2.0    | 2.0    | 2.0    | 2.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 82.5° | 2.0    | 2.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    |
| 85°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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: P244103

CATALOG NUMBER: LD8B50D010 ER8B50835 8LBSW01

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 | 3802.1 |
| 2.5°  | 3924.0 | 3916.0 | 3921.0 | 3957.9 | 3941.9 | 3936.9 | 3895.0 | 3932.0 |
| 5°    | 3970.9 | 3964.9 | 3964.9 | 4006.9 | 3987.9 | 3983.9 | 3942.9 | 3974.9 |
| 7.5°  | 4014.9 | 4008.9 | 4009.9 | 4052.8 | 4037.8 | 4031.9 | 3990.9 | 4022.9 |
| 10°   | 4071.8 | 4067.8 | 4068.8 | 4109.8 | 4093.8 | 4087.8 | 4045.8 | 4078.8 |
| 12.5° | 4105.8 | 4099.8 | 4099.8 | 4143.7 | 4125.8 | 4116.8 | 4076.8 | 4108.8 |
| 15°   | 4079.8 | 4070.8 | 4070.8 | 4114.8 | 4094.8 | 4081.8 | 4046.8 | 4076.8 |
| 17.5° | 3990.9 | 3981.9 | 3981.9 | 4019.9 | 4004.9 | 3985.9 | 3949.9 | 3977.9 |
| 20°   | 3867.0 | 3856.0 | 3853.0 | 3897.0 | 3876.0 | 3859.0 | 3827.1 | 3854.0 |
| 22.5° | 3727.2 | 3722.2 | 3713.2 | 3757.1 | 3738.2 | 3720.2 | 3686.2 | 3707.2 |
| 25°   | 3559.3 | 3551.3 | 3542.4 | 3585.3 | 3566.3 | 3548.3 | 3521.4 | 3538.4 |
| 27.5° | 3350.6 | 3351.6 | 3346.6 | 3380.5 | 3361.5 | 3351.6 | 3318.6 | 3346.6 |
| 30°   | 3097.8 | 3086.8 | 3082.8 | 3122.8 | 3104.8 | 3091.8 | 3050.9 | 3077.8 |
| 32.5° | 2768.2 | 2752.2 | 2731.2 | 2776.1 | 2745.2 | 2734.2 | 2699.2 | 2738.2 |
| 35°   | 2288.6 | 2283.7 | 2264.7 | 2302.6 | 2285.6 | 2265.7 | 2243.7 | 2276.7 |
| 37.5° | 1769.2 | 1773.2 | 1771.2 | 1781.2 | 1771.2 | 1758.2 | 1734.2 | 1722.2 |
| 40°   | 1350.6 | 1340.6 | 1332.6 | 1350.6 | 1329.6 | 1329.6 | 1315.6 | 1330.6 |
| 42.5° | 1058.9 | 1054.9 | 1064.9 | 1068.9 | 1056.9 | 1054.9 | 1052.9 | 1051.9 |
| 45°   | 874.1  | 874.1  | 876.1  | 880.1  | 876.1  | 874.1  | 868.1  | 864.1  |
| 47.5° | 720.3  | 724.3  | 720.3  | 733.2  | 726.3  | 724.3  | 712.3  | 717.3  |
| 50°   | 583.4  | 578.4  | 583.4  | 587.4  | 588.4  | 582.4  | 576.4  | 579.4  |
| 52.5° | 452.5  | 444.5  | 442.5  | 448.5  | 444.5  | 444.5  | 440.5  | 439.5  |
| 55°   | 318.7  | 321.7  | 316.7  | 321.7  | 319.7  | 316.7  | 313.7  | 317.7  |
| 57.5° | 215.8  | 216.8  | 214.8  | 217.8  | 212.8  | 213.8  | 212.8  | 211.8  |
| 60°   | 139.9  | 135.9  | 135.9  | 138.9  | 133.9  | 133.9  | 132.9  | 132.9  |
| 62.5° | 79.9   | 78.9   | 78.9   | 77.9   | 76.9   | 76.9   | 76.9   | 74.9   |
| 65°   | 41.0   | 40.0   | 39.0   | 39.0   | 39.0   | 39.0   | 38.0   | 38.0   |
| 67.5° | 20.0   | 19.0   | 19.0   | 20.0   | 19.0   | 19.0   | 19.0   | 19.0   |
| 70°   | 12.0   | 12.0   | 11.0   | 12.0   | 11.0   | 11.0   | 11.0   | 11.0   |
| 72.5° | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    |
| 75°   | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 77.5° | 3.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    |
| 80°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)