

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: P246053

Luminaire Tested: **LD8B50D010 ER8B50840 8LBDW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B50D010 ER8B50840 8LBDW0GPH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5420.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

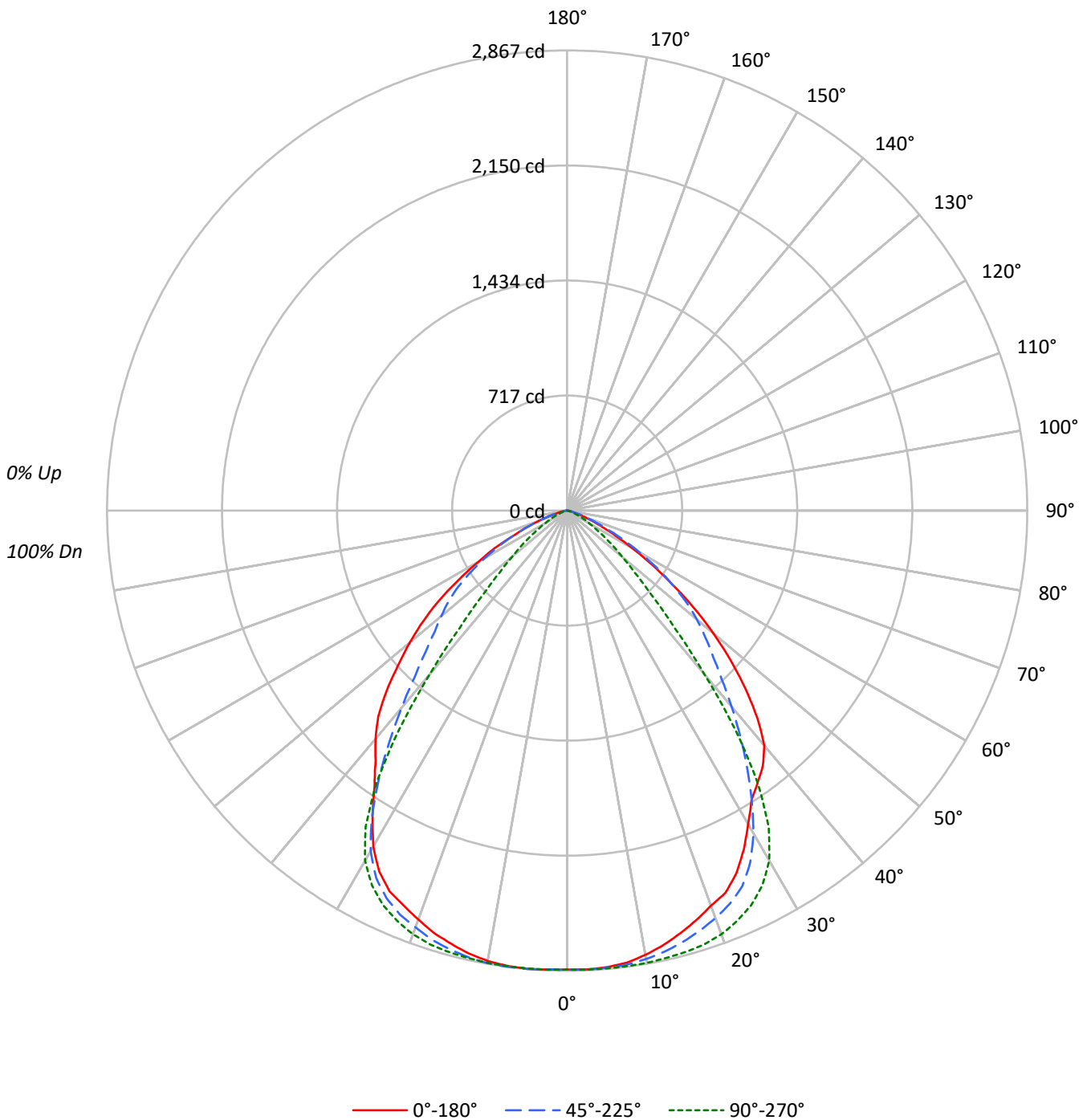
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P246053

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBDW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P246053

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBDW0GPH

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 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 | | | | | 90 | | | |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | 79 | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 | | | | | 62 | | | |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 | | | | | 55 | | | |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | | | | | 50 | | | |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 | | | | | 37 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 88183 | 88183 | 88183 |
| 5° | 88377 | 88615 | 88711 |
| 10° | 88006 | 89590 | 89208 |
| 15° | 87028 | 90901 | 89186 |
| 20° | 85986 | 92178 | 88956 |
| 25° | 84870 | 92287 | 89048 |
| 30° | 80290 | 89690 | 86029 |
| 35° | 77893 | 77950 | 78759 |
| 40° | 76929 | 53634 | 74768 |
| 45° | 68545 | 32197 | 69482 |
| 50° | 56996 | 21429 | 61415 |
| 55° | 42746 | 14774 | 52073 |
| 60° | 28968 | 9843 | 39285 |
| 65° | 17475 | 6384 | 26990 |
| 70° | 9692 | 3462 | 16607 |
| 75° | 4384 | 1465 | 8602 |
| 80° | 3818 | 1634 | 6002 |
| 85° | 4352 | 2158 | 5979 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 272.9 | 5.0 |
| 10°-20° | 792.6 | 14.6 |
| 20°-30° | 1203.0 | 22.2 |
| 30°-40° | 1263.5 | 23.3 |
| 40°-50° | 947.3 | 17.5 |
| 50°-60° | 607.8 | 11.2 |
| 60°-70° | 260.0 | 4.8 |
| 70°-80° | 61.4 | 1.1 |
| 80°-90° | 11.4 | 0.2 |
| 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° | 2268.5 | 41.9 |
| 0°-40° | 3532.0 | 65.2 |
| 0°-60° | 5087.1 | 93.9 |
| 0°-90° | 5420.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5420.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2860 | 2860 | 2860 | 2860 | 2860 | |
| 5° | 2855 | 2860 | 2863 | 2867 | 2866 | 271 |
| 15° | 2726 | 2783 | 2847 | 2829 | 2794 | 769 |
| 25° | 2494 | 2582 | 2712 | 2663 | 2617 | 1140 |
| 35° | 2069 | 1954 | 2071 | 2046 | 2092 | 1299 |
| 45° | 1572 | 1285 | 738 | 1248 | 1593 | 1204 |
| 55° | 795 | 795 | 275 | 829 | 969 | 721 |
| 65° | 240 | 282 | 88 | 364 | 370 | 256 |
| 75° | 37 | 43 | 12 | 74 | 72 | 54 |
| 85° | 12 | 8 | 6 | 12 | 17 | 13 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P246053

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBDW0GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 |
| 2.5° | 2861.2 | 2864.3 | 2862.8 | 2862.8 | 2861.2 | 2862.8 | 2862.8 | 2865.9 | 2865.9 | 2862.8 | 2861.2 |
| 5° | 2855.1 | 2858.2 | 2858.2 | 2855.1 | 2855.1 | 2862.8 | 2858.2 | 2861.2 | 2861.2 | 2859.7 | 2859.7 |
| 7.5° | 2841.3 | 2841.3 | 2847.4 | 2842.8 | 2842.8 | 2847.4 | 2845.9 | 2849.0 | 2852.0 | 2853.6 | 2853.6 |
| 10° | 2810.6 | 2813.7 | 2815.2 | 2815.2 | 2816.7 | 2821.3 | 2824.4 | 2830.6 | 2833.6 | 2836.7 | 2838.2 |
| 12.5° | 2772.2 | 2776.8 | 2778.3 | 2776.8 | 2781.4 | 2787.5 | 2795.2 | 2802.9 | 2807.5 | 2813.7 | 2818.3 |
| 15° | 2726.1 | 2726.1 | 2729.2 | 2733.8 | 2736.9 | 2746.1 | 2753.8 | 2763.0 | 2775.3 | 2783.0 | 2790.6 |
| 17.5° | 2675.5 | 2678.6 | 2683.2 | 2683.2 | 2689.3 | 2704.7 | 2709.3 | 2723.1 | 2736.9 | 2744.6 | 2759.9 |
| 20° | 2620.3 | 2623.3 | 2627.9 | 2631.0 | 2638.7 | 2650.9 | 2660.1 | 2672.4 | 2687.8 | 2701.6 | 2716.9 |
| 22.5° | 2577.3 | 2571.1 | 2574.2 | 2577.3 | 2585.0 | 2595.7 | 2606.4 | 2621.8 | 2637.1 | 2650.9 | 2666.3 |
| 25° | 2494.4 | 2495.9 | 2500.5 | 2503.6 | 2512.8 | 2522.0 | 2534.3 | 2552.7 | 2566.5 | 2581.9 | 2598.7 |
| 27.5° | 2382.3 | 2383.9 | 2391.5 | 2391.5 | 2399.2 | 2414.6 | 2422.2 | 2437.6 | 2456.0 | 2471.3 | 2491.3 |
| 30° | 2254.9 | 2258.0 | 2258.0 | 2264.1 | 2268.7 | 2276.4 | 2284.1 | 2299.4 | 2308.6 | 2322.5 | 2350.1 |
| 32.5° | 2138.3 | 2141.3 | 2139.8 | 2138.3 | 2133.6 | 2132.1 | 2130.6 | 2133.6 | 2136.7 | 2141.3 | 2152.1 |
| 35° | 2069.2 | 2061.5 | 2055.4 | 2044.6 | 2032.4 | 2017.0 | 2003.2 | 1984.8 | 1967.9 | 1954.0 | 1938.7 |
| 37.5° | 2003.2 | 2001.6 | 1992.4 | 1977.1 | 1952.5 | 1924.9 | 1892.7 | 1852.7 | 1812.8 | 1769.9 | 1728.4 |
| 40° | 1911.1 | 1906.5 | 1898.8 | 1877.3 | 1849.7 | 1815.9 | 1772.9 | 1723.8 | 1659.3 | 1593.3 | 1525.8 |
| 42.5° | 1754.5 | 1756.0 | 1746.8 | 1729.9 | 1703.9 | 1671.6 | 1627.1 | 1573.4 | 1504.3 | 1426.0 | 1338.5 |
| 45° | 1571.8 | 1571.8 | 1568.8 | 1554.9 | 1536.5 | 1510.4 | 1476.7 | 1432.2 | 1364.6 | 1284.8 | 1191.1 |
| 47.5° | 1381.5 | 1383.0 | 1378.4 | 1375.4 | 1367.7 | 1350.8 | 1326.2 | 1292.5 | 1244.9 | 1168.1 | 1074.5 |
| 50° | 1188.1 | 1188.1 | 1195.8 | 1194.2 | 1194.2 | 1188.1 | 1177.4 | 1157.4 | 1116.0 | 1054.5 | 967.1 |
| 52.5° | 994.7 | 997.8 | 1002.4 | 1008.5 | 1016.2 | 1028.4 | 1016.2 | 1007.0 | 980.9 | 933.3 | 858.1 |
| 55° | 795.1 | 798.2 | 805.9 | 816.6 | 825.8 | 838.1 | 841.2 | 841.2 | 827.3 | 795.1 | 738.3 |
| 57.5° | 624.8 | 620.1 | 626.3 | 635.5 | 647.8 | 660.1 | 669.3 | 680.0 | 678.5 | 657.0 | 610.9 |
| 60° | 469.7 | 471.3 | 475.8 | 485.1 | 494.3 | 505.0 | 517.3 | 526.5 | 531.1 | 520.4 | 491.2 |
| 62.5° | 342.3 | 342.3 | 348.4 | 357.6 | 362.3 | 377.6 | 385.3 | 389.9 | 394.5 | 392.9 | 374.5 |
| 65° | 239.5 | 242.5 | 245.6 | 250.2 | 254.8 | 264.0 | 268.6 | 277.8 | 280.9 | 282.4 | 268.6 |
| 67.5° | 168.9 | 164.2 | 167.3 | 170.4 | 175.0 | 181.1 | 190.3 | 190.3 | 194.9 | 194.9 | 185.7 |
| 70° | 107.5 | 107.5 | 109.0 | 113.6 | 116.7 | 118.2 | 121.3 | 124.3 | 128.9 | 127.4 | 127.4 |
| 72.5° | 72.2 | 70.6 | 72.2 | 73.7 | 75.2 | 79.8 | 79.8 | 81.4 | 84.4 | 86.0 | 79.8 |
| 75° | 36.8 | 38.4 | 41.4 | 39.9 | 44.5 | 41.4 | 43.0 | 47.6 | 46.0 | 43.0 | 43.0 |
| 77.5° | 30.7 | 30.7 | 30.7 | 29.2 | 32.2 | 32.2 | 30.7 | 33.8 | 32.2 | 32.2 | 30.7 |
| 80° | 21.5 | 23.0 | 21.5 | 19.9 | 21.5 | 19.9 | 19.9 | 19.9 | 19.9 | 19.9 | 18.4 |
| 82.5° | 16.9 | 13.8 | 15.4 | 13.8 | 15.4 | 15.4 | 13.8 | 12.3 | 12.3 | 13.8 | 12.3 |
| 85° | 12.3 | 9.2 | 10.7 | 10.7 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 7.7 | 7.7 |
| 87.5° | 7.7 | 4.6 | 4.6 | 4.6 | 6.1 | 6.1 | 6.1 | 4.6 | 6.1 | 6.1 | 3.1 |
| 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: P246053

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 |
| 2.5° | 2864.3 | 2862.8 | 2865.9 | 2864.3 | 2864.3 | 2862.8 | 2864.3 | 2862.8 | 2865.9 | 2859.7 | 2861.2 |
| 5° | 2864.3 | 2861.2 | 2862.8 | 2864.3 | 2865.9 | 2862.8 | 2862.8 | 2862.8 | 2865.9 | 2862.8 | 2864.3 |
| 7.5° | 2858.2 | 2856.6 | 2861.2 | 2864.3 | 2862.8 | 2861.2 | 2864.3 | 2862.8 | 2865.9 | 2864.3 | 2867.4 |
| 10° | 2845.9 | 2847.4 | 2850.5 | 2855.1 | 2856.6 | 2858.2 | 2861.2 | 2861.2 | 2865.9 | 2859.7 | 2862.8 |
| 12.5° | 2827.5 | 2833.6 | 2841.3 | 2844.3 | 2850.5 | 2850.5 | 2853.6 | 2855.1 | 2858.2 | 2856.6 | 2861.2 |
| 15° | 2804.4 | 2812.1 | 2821.3 | 2829.0 | 2836.7 | 2841.3 | 2845.9 | 2847.4 | 2852.0 | 2847.4 | 2849.0 |
| 17.5° | 2776.8 | 2786.0 | 2799.8 | 2809.0 | 2821.3 | 2825.9 | 2832.1 | 2835.1 | 2839.8 | 2836.7 | 2838.2 |
| 20° | 2738.4 | 2749.2 | 2764.5 | 2778.3 | 2786.0 | 2796.8 | 2804.4 | 2809.0 | 2812.1 | 2809.0 | 2810.6 |
| 22.5° | 2684.7 | 2700.1 | 2720.0 | 2730.8 | 2746.1 | 2755.3 | 2756.9 | 2767.6 | 2775.3 | 2767.6 | 2770.7 |
| 25° | 2621.8 | 2637.1 | 2652.5 | 2675.5 | 2689.3 | 2700.1 | 2710.8 | 2712.4 | 2720.0 | 2718.5 | 2716.9 |
| 27.5° | 2517.4 | 2537.4 | 2563.4 | 2581.9 | 2600.3 | 2617.2 | 2629.5 | 2632.5 | 2640.2 | 2637.1 | 2638.7 |
| 30° | 2374.6 | 2396.1 | 2420.7 | 2449.9 | 2476.0 | 2492.8 | 2508.2 | 2518.9 | 2526.6 | 2522.0 | 2520.5 |
| 32.5° | 2172.0 | 2193.5 | 2219.6 | 2248.8 | 2279.5 | 2304.0 | 2322.5 | 2336.3 | 2345.5 | 2342.4 | 2334.7 |
| 35° | 1940.3 | 1946.4 | 1963.3 | 1986.3 | 2012.4 | 2038.5 | 2055.4 | 2070.7 | 2081.4 | 2084.5 | 2084.5 |
| 37.5° | 1702.3 | 1682.4 | 1670.1 | 1670.1 | 1685.4 | 1696.2 | 1711.5 | 1720.7 | 1737.6 | 1743.7 | 1748.4 |
| 40° | 1472.0 | 1426.0 | 1383.0 | 1350.8 | 1329.3 | 1327.8 | 1327.8 | 1332.4 | 1347.7 | 1367.7 | 1386.1 |
| 42.5° | 1266.4 | 1192.7 | 1126.7 | 1066.8 | 1023.9 | 999.3 | 988.6 | 990.1 | 1002.4 | 1020.8 | 1051.5 |
| 45° | 1102.1 | 1010.0 | 927.1 | 855.0 | 796.7 | 758.3 | 739.9 | 738.3 | 747.5 | 769.0 | 802.8 |
| 47.5° | 974.7 | 876.5 | 782.8 | 699.9 | 637.0 | 595.6 | 574.1 | 568.0 | 574.1 | 594.0 | 634.0 |
| 50° | 868.8 | 767.5 | 670.8 | 584.8 | 517.3 | 474.3 | 454.4 | 446.7 | 454.4 | 471.3 | 511.1 |
| 52.5° | 770.6 | 666.2 | 575.6 | 492.7 | 420.6 | 383.7 | 362.3 | 357.6 | 362.3 | 382.2 | 414.5 |
| 55° | 657.0 | 568.0 | 478.9 | 396.0 | 333.1 | 296.3 | 279.4 | 274.8 | 279.4 | 297.8 | 331.6 |
| 57.5° | 544.9 | 468.2 | 389.9 | 314.7 | 261.0 | 228.7 | 213.4 | 207.2 | 218.0 | 230.2 | 270.2 |
| 60° | 440.5 | 379.2 | 313.1 | 247.1 | 202.6 | 173.4 | 161.2 | 159.6 | 162.7 | 178.1 | 205.7 |
| 62.5° | 345.4 | 294.7 | 242.5 | 188.8 | 152.0 | 139.7 | 124.3 | 122.8 | 125.9 | 135.1 | 156.6 |
| 65° | 248.7 | 216.5 | 176.5 | 138.1 | 109.0 | 92.1 | 86.0 | 87.5 | 90.6 | 96.7 | 116.7 |
| 67.5° | 173.4 | 150.4 | 122.8 | 96.7 | 75.2 | 67.5 | 61.4 | 59.9 | 61.4 | 72.2 | 82.9 |
| 70° | 116.7 | 102.8 | 82.9 | 73.7 | 52.2 | 41.4 | 43.0 | 38.4 | 44.5 | 44.5 | 53.7 |
| 72.5° | 76.7 | 67.5 | 55.2 | 43.0 | 36.8 | 29.2 | 29.2 | 27.6 | 30.7 | 32.2 | 39.9 |
| 75° | 39.9 | 30.7 | 30.7 | 21.5 | 15.4 | 7.7 | 13.8 | 12.3 | 10.7 | 12.3 | 15.4 |
| 77.5° | 27.6 | 23.0 | 21.5 | 16.9 | 15.4 | 12.3 | 12.3 | 12.3 | 12.3 | 13.8 | 15.4 |
| 80° | 16.9 | 16.9 | 12.3 | 10.7 | 9.2 | 7.7 | 9.2 | 9.2 | 9.2 | 9.2 | 10.7 |
| 82.5° | 10.7 | 9.2 | 9.2 | 7.7 | 7.7 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 9.2 |
| 85° | 9.2 | 6.1 | 6.1 | 4.6 | 6.1 | 10.7 | 4.6 | 6.1 | 6.1 | 6.1 | 4.6 |
| 87.5° | 3.1 | 4.6 | 4.6 | 4.6 | 3.1 | 1.5 | 3.1 | 4.6 | 4.6 | 7.7 | 6.1 |
| 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: P246053

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 | 2859.7 |
| 2.5° | 2864.3 | 2865.9 | 2865.9 | 2864.3 | 2864.3 | 2861.2 | 2867.4 | 2862.8 | 2864.3 | 2870.4 | 2865.9 |
| 5° | 2867.4 | 2868.9 | 2868.9 | 2867.4 | 2867.4 | 2867.4 | 2868.9 | 2868.9 | 2867.4 | 2865.9 | 2868.9 |
| 7.5° | 2873.5 | 2872.0 | 2872.0 | 2868.9 | 2868.9 | 2865.9 | 2868.9 | 2864.3 | 2867.4 | 2864.3 | 2868.9 |
| 10° | 2865.9 | 2867.4 | 2865.9 | 2864.3 | 2864.3 | 2862.8 | 2862.8 | 2858.2 | 2859.7 | 2855.1 | 2858.2 |
| 12.5° | 2861.2 | 2859.7 | 2859.7 | 2856.6 | 2853.6 | 2850.5 | 2849.0 | 2844.3 | 2844.3 | 2833.6 | 2838.2 |
| 15° | 2849.0 | 2850.5 | 2845.9 | 2839.8 | 2836.7 | 2829.0 | 2825.9 | 2819.8 | 2813.7 | 2806.0 | 2807.5 |
| 17.5° | 2838.2 | 2833.6 | 2827.5 | 2821.3 | 2809.0 | 2802.9 | 2796.8 | 2787.5 | 2784.5 | 2775.3 | 2772.2 |
| 20° | 2806.0 | 2802.9 | 2795.2 | 2784.5 | 2776.8 | 2763.0 | 2756.9 | 2747.7 | 2740.0 | 2730.8 | 2726.1 |
| 22.5° | 2764.5 | 2761.4 | 2752.2 | 2741.5 | 2729.2 | 2723.1 | 2716.9 | 2700.1 | 2692.4 | 2683.2 | 2681.6 |
| 25° | 2712.4 | 2707.7 | 2698.5 | 2686.3 | 2680.1 | 2663.2 | 2657.1 | 2644.8 | 2641.7 | 2632.5 | 2631.0 |
| 27.5° | 2632.5 | 2626.4 | 2615.6 | 2600.3 | 2589.5 | 2578.8 | 2572.7 | 2563.4 | 2560.4 | 2551.2 | 2549.6 |
| 30° | 2512.8 | 2505.1 | 2483.6 | 2477.5 | 2459.1 | 2448.3 | 2448.3 | 2436.0 | 2437.6 | 2431.5 | 2431.5 |
| 32.5° | 2324.0 | 2311.7 | 2294.8 | 2282.5 | 2270.2 | 2264.1 | 2264.1 | 2259.5 | 2262.6 | 2262.6 | 2265.7 |
| 35° | 2073.8 | 2056.9 | 2047.7 | 2040.0 | 2040.0 | 2046.1 | 2064.6 | 2069.2 | 2078.4 | 2086.1 | 2092.2 |
| 37.5° | 1753.0 | 1751.4 | 1762.2 | 1771.4 | 1794.4 | 1820.5 | 1852.7 | 1880.4 | 1906.5 | 1924.9 | 1943.3 |
| 40° | 1406.1 | 1444.4 | 1475.1 | 1518.1 | 1553.4 | 1604.1 | 1662.4 | 1710.0 | 1754.5 | 1786.8 | 1820.5 |
| 42.5° | 1097.5 | 1146.6 | 1211.1 | 1274.0 | 1337.0 | 1406.1 | 1482.8 | 1548.8 | 1607.1 | 1651.7 | 1687.0 |
| 45° | 855.0 | 922.5 | 1000.8 | 1080.6 | 1162.0 | 1248.0 | 1327.8 | 1395.3 | 1456.7 | 1502.8 | 1538.1 |
| 47.5° | 689.2 | 762.9 | 851.9 | 939.4 | 1031.5 | 1122.1 | 1211.1 | 1269.5 | 1320.1 | 1356.9 | 1389.2 |
| 50° | 569.5 | 647.8 | 741.4 | 841.2 | 933.3 | 1023.9 | 1100.6 | 1157.4 | 1198.8 | 1231.1 | 1251.0 |
| 52.5° | 475.8 | 558.7 | 658.5 | 758.3 | 850.4 | 933.3 | 1002.4 | 1045.3 | 1079.1 | 1102.1 | 1120.5 |
| 55° | 392.9 | 472.8 | 566.4 | 660.1 | 750.6 | 828.9 | 885.7 | 917.9 | 944.0 | 957.8 | 968.6 |
| 57.5° | 320.8 | 394.5 | 480.5 | 566.4 | 644.7 | 709.2 | 753.7 | 785.9 | 798.2 | 808.9 | 807.4 |
| 60° | 251.8 | 320.8 | 399.1 | 472.8 | 540.3 | 592.5 | 624.8 | 643.2 | 652.4 | 657.0 | 653.9 |
| 62.5° | 198.0 | 261.0 | 320.8 | 385.3 | 434.4 | 478.9 | 509.6 | 509.6 | 514.2 | 515.8 | 520.4 |
| 65° | 147.3 | 194.9 | 247.1 | 294.7 | 334.6 | 363.8 | 380.7 | 385.3 | 391.4 | 389.9 | 386.8 |
| 67.5° | 109.0 | 144.3 | 182.6 | 218.0 | 245.6 | 264.0 | 276.3 | 287.1 | 285.5 | 282.4 | 280.9 |
| 70° | 75.2 | 98.3 | 132.0 | 153.5 | 173.4 | 191.9 | 194.9 | 196.5 | 198.0 | 199.6 | 196.5 |
| 72.5° | 52.2 | 69.1 | 87.5 | 105.9 | 118.2 | 125.9 | 133.6 | 135.1 | 135.1 | 135.1 | 133.6 |
| 75° | 26.1 | 35.3 | 52.2 | 59.9 | 70.6 | 73.7 | 79.8 | 79.8 | 84.4 | 78.3 | 76.7 |
| 77.5° | 23.0 | 27.6 | 36.8 | 43.0 | 47.6 | 52.2 | 53.7 | 58.3 | 56.8 | 53.7 | 55.2 |
| 80° | 13.8 | 16.9 | 23.0 | 26.1 | 32.2 | 33.8 | 35.3 | 36.8 | 35.3 | 36.8 | 36.8 |
| 82.5° | 10.7 | 12.3 | 15.4 | 15.4 | 19.9 | 19.9 | 21.5 | 21.5 | 23.0 | 23.0 | 23.0 |
| 85° | 6.1 | 10.7 | 9.2 | 18.4 | 12.3 | 12.3 | 15.4 | 18.4 | 15.4 | 15.4 | 18.4 |
| 87.5° | 6.1 | 6.1 | 4.6 | 6.1 | 6.1 | 6.1 | 7.7 | 9.2 | 9.2 | 10.7 | 9.2 |
| 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: P246053

CATALOG NUMBER: LD8B50D010 ER8B50840 8LBDW0GPH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 2859.7 | 2859.7 | 2859.7 | 2859.7 |
| 2.5° | 2864.3 | 2867.4 | 2862.8 | 2861.2 |
| 5° | 2868.9 | 2868.9 | 2865.9 | 2865.9 |
| 7.5° | 2868.9 | 2868.9 | 2864.3 | 2861.2 |
| 10° | 2856.6 | 2856.6 | 2852.0 | 2849.0 |
| 12.5° | 2833.6 | 2833.6 | 2832.1 | 2827.5 |
| 15° | 2804.4 | 2804.4 | 2798.3 | 2793.7 |
| 17.5° | 2764.5 | 2767.6 | 2759.9 | 2759.9 |
| 20° | 2721.6 | 2720.0 | 2713.9 | 2710.8 |
| 22.5° | 2677.0 | 2674.0 | 2672.4 | 2663.2 |
| 25° | 2629.5 | 2626.4 | 2621.8 | 2617.2 |
| 27.5° | 2548.1 | 2546.6 | 2542.0 | 2535.8 |
| 30° | 2423.8 | 2422.2 | 2416.1 | 2416.1 |
| 32.5° | 2262.6 | 2261.0 | 2254.9 | 2256.5 |
| 35° | 2095.3 | 2101.4 | 2098.3 | 2092.2 |
| 37.5° | 1955.6 | 1960.2 | 1963.3 | 1960.2 |
| 40° | 1838.9 | 1852.7 | 1854.3 | 1857.4 |
| 42.5° | 1714.6 | 1733.0 | 1739.2 | 1742.2 |
| 45° | 1565.7 | 1582.6 | 1596.4 | 1593.3 |
| 47.5° | 1413.7 | 1426.0 | 1438.3 | 1429.1 |
| 50° | 1267.9 | 1275.6 | 1280.2 | 1280.2 |
| 52.5° | 1129.8 | 1129.8 | 1128.2 | 1129.8 |
| 55° | 971.6 | 971.6 | 965.5 | 968.6 |
| 57.5° | 805.9 | 808.9 | 804.3 | 796.7 |
| 60° | 652.4 | 644.7 | 641.6 | 637.0 |
| 62.5° | 508.1 | 508.1 | 497.4 | 511.1 |
| 65° | 380.7 | 376.1 | 371.5 | 369.9 |
| 67.5° | 276.3 | 274.8 | 270.2 | 268.6 |
| 70° | 194.9 | 188.8 | 187.3 | 184.2 |
| 72.5° | 130.5 | 130.5 | 127.4 | 127.4 |
| 75° | 79.8 | 72.2 | 70.6 | 72.2 |
| 77.5° | 55.2 | 53.7 | 53.7 | 52.2 |
| 80° | 36.8 | 35.3 | 38.4 | 33.8 |
| 82.5° | 23.0 | 24.6 | 23.0 | 24.6 |
| 85° | 15.4 | 18.4 | 16.9 | 16.9 |
| 87.5° | 9.2 | 9.2 | 9.2 | 9.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)