

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: P244187

Luminaire Tested: **LSR8B50D010 EC8B50850 8LBDW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13956)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B50D010 EC8B50850 8LBDW0LI
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5859.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.33 / 1.2
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

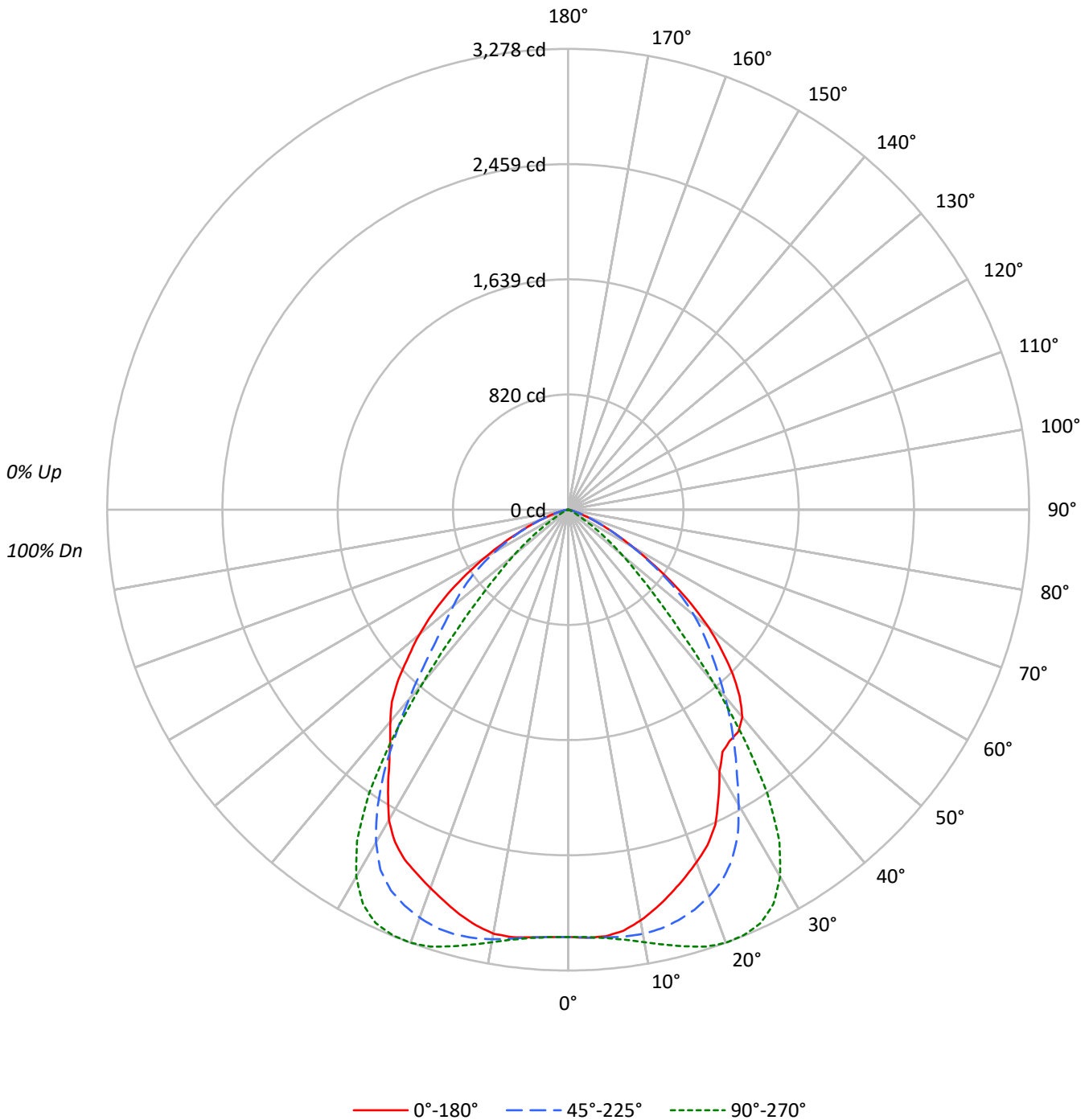
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244187

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBDW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P244187

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBDW0LI

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 | 92 | 90 | | | | | 90 | | | |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 | | | | | 79 | | | |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 | | | | | 62 | | | |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 | | | | | 56 | | | |
| 6 | 78 | 66 | 59 | 53 | 76 | 66 | 58 | 53 | 64 | 57 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 | | | | | 50 | | | |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 | | | | | 38 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|--------|-------|
| 0° | 93724 | 93724 | 93724 |
| 5° | 94283 | 94633 | 94534 |
| 10° | 92896 | 97800 | 95881 |
| 15° | 90182 | 102646 | 95127 |
| 20° | 87564 | 107575 | 93970 |
| 25° | 84203 | 110330 | 93536 |
| 30° | 76629 | 107308 | 90762 |
| 35° | 75488 | 92981 | 83506 |
| 40° | 77541 | 64487 | 79163 |
| 45° | 72186 | 38978 | 74436 |
| 50° | 62614 | 24068 | 66327 |
| 55° | 48052 | 12575 | 56288 |
| 60° | 32736 | 5076 | 42486 |
| 65° | 20365 | 2590 | 29310 |
| 70° | 11054 | 1605 | 17888 |
| 75° | 5766 | 763 | 10568 |
| 80° | 2575 | 870 | 5736 |
| 85° | 1734 | 566 | 5130 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 292.3 | 5.0 |
| 10°-20° | 865.9 | 14.8 |
| 20°-30° | 1321.0 | 22.5 |
| 30°-40° | 1378.5 | 23.5 |
| 40°-50° | 1035.4 | 17.7 |
| 50°-60° | 637.1 | 10.9 |
| 60°-70° | 259.3 | 4.4 |
| 70°-80° | 61.1 | 1.0 |
| 80°-90° | 8.4 | 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° | 2479.2 | 42.3 |
| 0°-40° | 3857.7 | 65.8 |
| 0°-60° | 5530.2 | 94.4 |
| 0°-90° | 5859.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5859.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3039 | 3039 | 3039 | 3039 | 3039 | |
| 5° | 3046 | 3054 | 3057 | 3054 | 3054 | 288 |
| 15° | 2825 | 3023 | 3215 | 3127 | 2980 | 796 |
| 25° | 2475 | 2752 | 3243 | 2986 | 2749 | 1125 |
| 35° | 2005 | 2062 | 2470 | 2283 | 2218 | 1266 |
| 45° | 1655 | 1433 | 894 | 1334 | 1707 | 1263 |
| 55° | 894 | 849 | 234 | 849 | 1047 | 803 |
| 65° | 279 | 282 | 36 | 379 | 402 | 291 |
| 75° | 48 | 48 | 6 | 86 | 89 | 58 |
| 85° | 5 | 5 | 2 | 11 | 14 | 7 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P244187

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBDW0LI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 |
| 2.5° | 3047.5 | 3042.7 | 3047.5 | 3047.5 | 3049.2 | 3045.9 | 3047.5 | 3049.2 | 3045.9 | 3045.9 | 3045.9 |
| 5° | 3045.9 | 3042.7 | 3045.9 | 3044.3 | 3047.5 | 3047.5 | 3050.8 | 3050.8 | 3054.0 | 3054.0 | 3058.8 |
| 7.5° | 3020.1 | 3013.7 | 3020.1 | 3025.0 | 3028.2 | 3034.6 | 3042.7 | 3049.2 | 3055.6 | 3062.1 | 3070.1 |
| 10° | 2966.8 | 2966.8 | 2971.7 | 2981.4 | 2991.0 | 3002.3 | 3016.9 | 3033.0 | 3049.2 | 3063.6 | 3078.2 |
| 12.5° | 2900.7 | 2895.9 | 2905.5 | 2918.5 | 2933.0 | 2950.7 | 2973.3 | 2997.5 | 3023.3 | 3052.4 | 3075.0 |
| 15° | 2824.9 | 2820.0 | 2831.3 | 2844.2 | 2862.0 | 2887.8 | 2915.3 | 2947.5 | 2984.6 | 3023.3 | 3060.4 |
| 17.5° | 2747.4 | 2745.8 | 2757.1 | 2774.9 | 2789.4 | 2816.8 | 2852.3 | 2891.0 | 2933.0 | 2984.6 | 3033.0 |
| 20° | 2668.4 | 2666.8 | 2678.1 | 2692.6 | 2712.0 | 2737.8 | 2773.3 | 2818.4 | 2868.4 | 2926.5 | 2983.0 |
| 22.5° | 2586.1 | 2587.7 | 2597.4 | 2613.5 | 2629.7 | 2657.1 | 2694.2 | 2739.4 | 2794.2 | 2857.1 | 2920.1 |
| 25° | 2474.8 | 2466.7 | 2479.6 | 2495.8 | 2523.2 | 2545.8 | 2581.3 | 2629.7 | 2686.1 | 2752.3 | 2826.5 |
| 27.5° | 2313.5 | 2311.8 | 2323.2 | 2337.7 | 2361.9 | 2389.3 | 2428.0 | 2478.0 | 2537.7 | 2610.3 | 2682.9 |
| 30° | 2152.1 | 2155.4 | 2160.2 | 2174.7 | 2190.9 | 2218.3 | 2257.0 | 2299.0 | 2355.4 | 2424.8 | 2502.2 |
| 32.5° | 2042.4 | 2042.4 | 2048.9 | 2058.6 | 2069.9 | 2084.4 | 2111.8 | 2142.5 | 2186.0 | 2234.4 | 2290.9 |
| 35° | 2005.3 | 1998.9 | 2005.3 | 2006.9 | 2008.6 | 2011.8 | 2016.6 | 2026.3 | 2040.8 | 2061.8 | 2082.8 |
| 37.5° | 1989.2 | 1984.4 | 1984.4 | 1977.9 | 1969.8 | 1960.2 | 1947.3 | 1932.7 | 1916.6 | 1895.6 | 1879.5 |
| 40° | 1926.3 | 1923.1 | 1919.8 | 1913.4 | 1895.6 | 1876.3 | 1855.3 | 1821.4 | 1784.3 | 1732.7 | 1681.1 |
| 42.5° | 1805.3 | 1802.1 | 1800.4 | 1787.5 | 1771.4 | 1748.8 | 1724.6 | 1689.1 | 1642.3 | 1576.2 | 1502.0 |
| 45° | 1655.3 | 1648.8 | 1644.0 | 1632.7 | 1621.3 | 1602.0 | 1579.4 | 1547.1 | 1500.4 | 1432.6 | 1343.9 |
| 47.5° | 1481.0 | 1477.8 | 1476.2 | 1471.3 | 1460.1 | 1448.7 | 1434.2 | 1408.4 | 1366.5 | 1301.9 | 1210.0 |
| 50° | 1305.2 | 1298.7 | 1301.9 | 1300.3 | 1295.5 | 1287.4 | 1277.7 | 1260.0 | 1227.7 | 1169.6 | 1085.8 |
| 52.5° | 1103.5 | 1103.5 | 1101.9 | 1106.7 | 1108.3 | 1106.7 | 1108.3 | 1089.0 | 1061.6 | 1018.0 | 947.0 |
| 55° | 893.8 | 893.8 | 898.6 | 905.1 | 911.5 | 913.1 | 911.5 | 903.5 | 884.1 | 848.6 | 785.7 |
| 57.5° | 696.9 | 693.7 | 703.4 | 713.1 | 719.5 | 726.0 | 721.1 | 714.7 | 703.4 | 674.3 | 626.0 |
| 60° | 530.8 | 530.8 | 537.2 | 543.7 | 550.1 | 556.6 | 555.0 | 553.4 | 543.7 | 524.3 | 485.6 |
| 62.5° | 390.4 | 392.0 | 392.0 | 396.9 | 403.3 | 409.8 | 414.6 | 409.8 | 404.9 | 392.0 | 366.2 |
| 65° | 279.1 | 277.5 | 279.1 | 283.9 | 288.8 | 295.2 | 298.5 | 296.9 | 292.0 | 282.3 | 263.0 |
| 67.5° | 187.1 | 185.5 | 192.0 | 193.6 | 196.8 | 203.3 | 201.7 | 203.3 | 201.7 | 193.6 | 177.5 |
| 70° | 122.6 | 119.4 | 122.6 | 121.0 | 125.8 | 127.5 | 130.7 | 132.3 | 130.7 | 125.8 | 121.0 |
| 72.5° | 75.8 | 74.2 | 75.8 | 77.4 | 79.1 | 80.6 | 83.9 | 83.9 | 82.3 | 79.1 | 72.6 |
| 75° | 48.4 | 43.5 | 45.2 | 42.0 | 45.2 | 45.2 | 48.4 | 50.0 | 48.4 | 48.4 | 45.2 |
| 77.5° | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 30.7 | 32.3 | 29.1 | 27.4 |
| 80° | 14.5 | 14.5 | 16.1 | 16.1 | 16.1 | 17.8 | 16.1 | 16.1 | 16.1 | 17.8 | 12.9 |
| 82.5° | 11.3 | 9.7 | 9.7 | 9.7 | 11.3 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 |
| 85° | 4.9 | 6.4 | 4.9 | 3.2 | 4.9 | 4.9 | 6.4 | 4.9 | 4.9 | 4.9 | 6.4 |
| 87.5° | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 1.6 | 1.6 | 3.2 | 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: P244187

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 |
| 2.5° | 3047.5 | 3044.3 | 3044.3 | 3042.7 | 3045.9 | 3042.7 | 3044.3 | 3042.7 | 3042.7 | 3045.9 | 3042.7 |
| 5° | 3058.8 | 3060.4 | 3057.2 | 3055.6 | 3060.4 | 3060.4 | 3060.4 | 3057.2 | 3057.2 | 3058.8 | 3057.2 |
| 7.5° | 3075.0 | 3078.2 | 3079.8 | 3081.4 | 3084.6 | 3086.3 | 3086.3 | 3084.6 | 3083.0 | 3087.9 | 3081.4 |
| 10° | 3092.7 | 3097.5 | 3107.2 | 3112.1 | 3120.1 | 3120.1 | 3123.4 | 3123.4 | 3120.1 | 3123.4 | 3121.7 |
| 12.5° | 3086.3 | 3115.3 | 3131.4 | 3142.7 | 3154.0 | 3163.7 | 3166.9 | 3168.5 | 3166.9 | 3173.4 | 3166.9 |
| 15° | 3097.5 | 3121.7 | 3147.6 | 3166.9 | 3187.9 | 3199.2 | 3202.4 | 3215.3 | 3218.5 | 3220.2 | 3210.5 |
| 17.5° | 3079.8 | 3123.4 | 3150.8 | 3179.8 | 3210.5 | 3231.4 | 3250.8 | 3258.9 | 3260.5 | 3263.7 | 3250.8 |
| 20° | 3039.4 | 3087.9 | 3129.8 | 3171.8 | 3207.2 | 3239.5 | 3255.6 | 3278.2 | 3271.8 | 3284.7 | 3266.9 |
| 22.5° | 2984.6 | 3039.4 | 3092.7 | 3147.6 | 3184.7 | 3223.4 | 3257.3 | 3273.4 | 3281.5 | 3281.5 | 3262.1 |
| 25° | 2897.5 | 2962.0 | 3020.1 | 3076.5 | 3133.0 | 3179.8 | 3218.5 | 3242.7 | 3247.6 | 3246.0 | 3223.4 |
| 27.5° | 2762.0 | 2831.3 | 2899.1 | 2963.6 | 3033.0 | 3087.9 | 3133.0 | 3162.1 | 3170.1 | 3170.1 | 3145.9 |
| 30° | 2574.8 | 2649.0 | 2715.2 | 2792.6 | 2863.6 | 2924.9 | 2987.8 | 3013.7 | 3028.2 | 3028.2 | 3000.8 |
| 32.5° | 2352.2 | 2415.1 | 2476.4 | 2552.2 | 2629.7 | 2699.1 | 2758.7 | 2794.2 | 2812.0 | 2810.4 | 2786.2 |
| 35° | 2110.2 | 2140.8 | 2187.7 | 2244.1 | 2313.5 | 2378.0 | 2436.1 | 2470.0 | 2500.6 | 2499.0 | 2476.4 |
| 37.5° | 1868.2 | 1860.1 | 1865.0 | 1885.9 | 1929.5 | 1974.7 | 2019.8 | 2052.1 | 2077.9 | 2089.2 | 2084.4 |
| 40° | 1631.1 | 1589.1 | 1548.8 | 1534.3 | 1537.5 | 1553.6 | 1577.8 | 1602.0 | 1631.1 | 1645.6 | 1652.0 |
| 42.5° | 1418.1 | 1347.1 | 1276.1 | 1222.9 | 1192.2 | 1182.5 | 1193.8 | 1201.9 | 1219.7 | 1240.6 | 1261.6 |
| 45° | 1247.1 | 1151.9 | 1058.3 | 976.1 | 924.4 | 893.8 | 887.3 | 893.8 | 903.5 | 924.4 | 951.9 |
| 47.5° | 1106.7 | 995.4 | 890.6 | 798.6 | 722.7 | 682.4 | 671.1 | 667.9 | 677.6 | 696.9 | 734.0 |
| 50° | 982.5 | 871.2 | 755.0 | 648.5 | 569.5 | 524.3 | 508.2 | 501.7 | 513.0 | 527.5 | 561.4 |
| 52.5° | 847.0 | 737.3 | 617.9 | 514.6 | 432.4 | 385.6 | 367.8 | 358.2 | 364.6 | 384.0 | 417.8 |
| 55° | 700.2 | 598.5 | 490.4 | 384.0 | 304.9 | 261.4 | 240.4 | 233.9 | 240.4 | 261.4 | 295.2 |
| 57.5° | 553.4 | 467.9 | 377.5 | 277.5 | 206.5 | 163.0 | 142.0 | 135.5 | 153.3 | 161.3 | 196.8 |
| 60° | 432.4 | 363.0 | 285.6 | 203.3 | 142.0 | 108.1 | 87.1 | 82.3 | 90.4 | 104.8 | 133.9 |
| 62.5° | 324.3 | 280.7 | 219.4 | 145.2 | 104.8 | 69.4 | 58.1 | 53.3 | 58.1 | 69.4 | 92.0 |
| 65° | 235.5 | 201.7 | 153.3 | 106.5 | 71.0 | 51.6 | 38.7 | 35.5 | 40.3 | 48.4 | 67.8 |
| 67.5° | 161.3 | 135.5 | 106.5 | 74.2 | 48.4 | 32.3 | 27.4 | 27.4 | 29.1 | 35.5 | 50.0 |
| 70° | 104.8 | 88.7 | 67.8 | 48.4 | 32.3 | 24.2 | 21.0 | 17.8 | 21.0 | 25.8 | 33.9 |
| 72.5° | 66.2 | 56.4 | 43.5 | 33.9 | 24.2 | 17.8 | 14.5 | 12.9 | 16.1 | 19.3 | 25.8 |
| 75° | 40.3 | 30.7 | 22.6 | 17.8 | 12.9 | 12.9 | 12.9 | 6.4 | 8.1 | 12.9 | 16.1 |
| 77.5° | 24.2 | 21.0 | 17.8 | 14.5 | 11.3 | 6.4 | 6.4 | 6.4 | 8.1 | 9.7 | 14.5 |
| 80° | 12.9 | 11.3 | 8.1 | 8.1 | 6.4 | 4.9 | 6.4 | 4.9 | 3.2 | 8.1 | 9.7 |
| 82.5° | 8.1 | 6.4 | 6.4 | 6.4 | 8.1 | 3.2 | 4.9 | 3.2 | 4.9 | 6.4 | 4.9 |
| 85° | 4.9 | 4.9 | 4.9 | 3.2 | 8.1 | 3.2 | 3.2 | 1.6 | 1.6 | 3.2 | 3.2 |
| 87.5° | 0.0 | 1.6 | 1.6 | 0.0 | 1.6 | 0.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 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: P244187

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 | 3039.4 |
| 2.5° | 3044.3 | 3042.7 | 3044.3 | 3042.7 | 3042.7 | 3042.7 | 3044.3 | 3044.3 | 3042.7 | 3042.7 | 3045.9 |
| 5° | 3057.2 | 3057.2 | 3057.2 | 3055.6 | 3054.0 | 3054.0 | 3057.2 | 3057.2 | 3052.4 | 3057.2 | 3057.2 |
| 7.5° | 3084.6 | 3079.8 | 3084.6 | 3078.2 | 3075.0 | 3076.5 | 3078.2 | 3075.0 | 3071.7 | 3073.4 | 3073.4 |
| 10° | 3120.1 | 3115.3 | 3115.3 | 3110.5 | 3105.6 | 3102.4 | 3099.2 | 3091.1 | 3083.0 | 3081.4 | 3075.0 |
| 12.5° | 3162.1 | 3154.0 | 3149.2 | 3139.5 | 3131.4 | 3120.1 | 3110.5 | 3097.5 | 3081.4 | 3070.1 | 3058.8 |
| 15° | 3204.0 | 3191.1 | 3179.8 | 3163.7 | 3145.9 | 3126.6 | 3105.6 | 3084.6 | 3058.8 | 3036.2 | 3016.9 |
| 17.5° | 3237.9 | 3220.2 | 3199.2 | 3173.4 | 3147.6 | 3118.5 | 3087.9 | 3057.2 | 3020.1 | 2991.0 | 2968.5 |
| 20° | 3249.2 | 3223.4 | 3196.0 | 3162.1 | 3128.2 | 3087.9 | 3049.2 | 3008.8 | 2966.8 | 2936.2 | 2910.4 |
| 22.5° | 3234.7 | 3204.0 | 3170.1 | 3134.7 | 3089.5 | 3045.9 | 3000.8 | 2953.9 | 2916.8 | 2874.9 | 2850.7 |
| 25° | 3194.3 | 3157.2 | 3120.1 | 3078.2 | 3034.6 | 2986.2 | 2937.8 | 2889.4 | 2844.2 | 2821.7 | 2791.0 |
| 27.5° | 3112.1 | 3071.7 | 3031.4 | 2987.8 | 2937.8 | 2889.4 | 2839.4 | 2792.6 | 2753.9 | 2723.2 | 2705.5 |
| 30° | 2966.8 | 2920.1 | 2873.3 | 2826.5 | 2782.9 | 2732.9 | 2686.1 | 2647.4 | 2608.7 | 2584.5 | 2566.8 |
| 32.5° | 2744.2 | 2702.3 | 2655.5 | 2610.3 | 2570.0 | 2528.0 | 2489.3 | 2455.5 | 2428.0 | 2411.9 | 2399.0 |
| 35° | 2444.2 | 2402.2 | 2366.7 | 2334.5 | 2300.6 | 2282.8 | 2258.6 | 2239.2 | 2228.0 | 2221.5 | 2219.9 |
| 37.5° | 2066.6 | 2042.4 | 2031.1 | 2024.7 | 2018.2 | 2013.4 | 2016.6 | 2024.7 | 2031.1 | 2042.4 | 2055.3 |
| 40° | 1663.3 | 1684.3 | 1690.7 | 1713.3 | 1734.3 | 1761.7 | 1792.4 | 1827.9 | 1856.9 | 1894.0 | 1919.8 |
| 42.5° | 1295.5 | 1334.2 | 1379.4 | 1427.8 | 1479.4 | 1529.4 | 1590.7 | 1647.2 | 1698.8 | 1745.6 | 1785.9 |
| 45° | 995.4 | 1055.1 | 1122.9 | 1192.2 | 1261.6 | 1334.2 | 1408.4 | 1477.8 | 1539.1 | 1589.1 | 1631.1 |
| 47.5° | 776.0 | 842.2 | 929.3 | 1014.8 | 1098.7 | 1184.2 | 1266.4 | 1339.0 | 1390.7 | 1439.1 | 1476.2 |
| 50° | 614.7 | 690.5 | 785.7 | 884.1 | 976.1 | 1066.4 | 1153.5 | 1221.3 | 1272.9 | 1311.6 | 1339.0 |
| 52.5° | 475.9 | 566.3 | 663.1 | 766.3 | 864.7 | 963.1 | 1043.8 | 1106.7 | 1148.7 | 1182.5 | 1203.5 |
| 55° | 354.9 | 443.7 | 546.9 | 653.4 | 753.4 | 848.6 | 924.4 | 979.3 | 1016.4 | 1035.7 | 1047.0 |
| 57.5° | 256.5 | 337.2 | 440.4 | 546.9 | 637.2 | 727.6 | 788.9 | 838.9 | 859.9 | 871.2 | 876.0 |
| 60° | 187.1 | 261.4 | 353.3 | 445.3 | 530.8 | 603.4 | 656.6 | 690.5 | 706.6 | 713.1 | 711.5 |
| 62.5° | 137.1 | 201.7 | 280.7 | 358.2 | 427.5 | 487.2 | 529.2 | 551.7 | 559.8 | 563.0 | 558.2 |
| 65° | 104.8 | 154.9 | 222.6 | 282.3 | 335.6 | 379.1 | 409.8 | 424.3 | 429.1 | 427.5 | 424.3 |
| 67.5° | 77.4 | 116.2 | 166.2 | 211.3 | 250.1 | 283.9 | 300.1 | 313.0 | 316.2 | 311.4 | 306.5 |
| 70° | 54.9 | 85.5 | 121.0 | 151.7 | 180.7 | 200.1 | 217.8 | 219.4 | 219.4 | 217.8 | 214.6 |
| 72.5° | 38.7 | 59.7 | 82.3 | 103.3 | 121.0 | 135.5 | 142.0 | 146.8 | 145.2 | 143.6 | 140.4 |
| 75° | 25.8 | 37.1 | 59.7 | 64.5 | 80.6 | 85.5 | 92.0 | 92.0 | 93.6 | 88.7 | 88.7 |
| 77.5° | 16.1 | 25.8 | 35.5 | 42.0 | 48.4 | 54.9 | 58.1 | 58.1 | 59.7 | 58.1 | 58.1 |
| 80° | 9.7 | 16.1 | 19.3 | 29.1 | 29.1 | 33.9 | 35.5 | 37.1 | 33.9 | 38.7 | 33.9 |
| 82.5° | 6.4 | 9.7 | 14.5 | 14.5 | 17.8 | 21.0 | 21.0 | 22.6 | 22.6 | 21.0 | 21.0 |
| 85° | 4.9 | 6.4 | 8.1 | 9.7 | 9.7 | 11.3 | 9.7 | 9.7 | 11.3 | 12.9 | 11.3 |
| 87.5° | 1.6 | 3.2 | 1.6 | 3.2 | 3.2 | 6.4 | 4.9 | 4.9 | 4.9 | 6.4 | 6.4 |
| 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: P244187

CATALOG NUMBER: LSR8B50D010 EC8B50850 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3039.4 | 3039.4 | 3039.4 | 3039.4 |
| 2.5° | 3042.7 | 3044.3 | 3042.7 | 3042.7 |
| 5° | 3057.2 | 3055.6 | 3057.2 | 3054.0 |
| 7.5° | 3068.5 | 3068.5 | 3066.9 | 3066.9 |
| 10° | 3068.5 | 3062.1 | 3062.1 | 3062.1 |
| 12.5° | 3044.3 | 3036.2 | 3031.4 | 3028.2 |
| 15° | 3002.3 | 2987.8 | 2981.4 | 2979.8 |
| 17.5° | 2947.5 | 2934.6 | 2926.5 | 2921.7 |
| 20° | 2884.6 | 2871.7 | 2862.0 | 2863.6 |
| 22.5° | 2829.7 | 2815.2 | 2808.8 | 2805.5 |
| 25° | 2774.9 | 2757.1 | 2752.3 | 2749.1 |
| 27.5° | 2686.1 | 2676.5 | 2671.6 | 2666.8 |
| 30° | 2550.6 | 2545.8 | 2537.7 | 2549.0 |
| 32.5° | 2394.1 | 2386.1 | 2379.6 | 2384.5 |
| 35° | 2221.5 | 2216.7 | 2221.5 | 2218.3 |
| 37.5° | 2063.4 | 2068.2 | 2074.7 | 2077.9 |
| 40° | 1939.2 | 1956.9 | 1963.4 | 1966.6 |
| 42.5° | 1815.0 | 1835.9 | 1848.8 | 1856.9 |
| 45° | 1661.7 | 1682.7 | 1697.2 | 1706.9 |
| 47.5° | 1503.6 | 1521.4 | 1535.8 | 1534.3 |
| 50° | 1360.0 | 1369.7 | 1376.1 | 1382.6 |
| 52.5° | 1214.8 | 1214.8 | 1216.4 | 1216.4 |
| 55° | 1050.3 | 1047.0 | 1045.4 | 1047.0 |
| 57.5° | 869.6 | 866.4 | 864.7 | 859.9 |
| 60° | 705.0 | 695.3 | 688.9 | 688.9 |
| 62.5° | 551.7 | 540.4 | 535.6 | 534.0 |
| 65° | 414.6 | 413.0 | 403.3 | 401.7 |
| 67.5° | 300.1 | 293.6 | 287.2 | 288.8 |
| 70° | 211.3 | 201.7 | 201.7 | 198.4 |
| 72.5° | 137.1 | 132.3 | 130.7 | 130.7 |
| 75° | 85.5 | 85.5 | 82.3 | 88.7 |
| 77.5° | 56.4 | 56.4 | 54.9 | 56.4 |
| 80° | 33.9 | 33.9 | 33.9 | 32.3 |
| 82.5° | 21.0 | 22.6 | 21.0 | 21.0 |
| 85° | 11.3 | 12.9 | 9.7 | 14.5 |
| 87.5° | 6.4 | 8.1 | 6.4 | 8.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)