

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: P248426

Luminaire Tested: **LD8B70D010 ER8B709730 8LBDW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248426
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: LD8B70D010 ER8B709730 8LBDW0LI
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5827.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.33 / 1.2
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

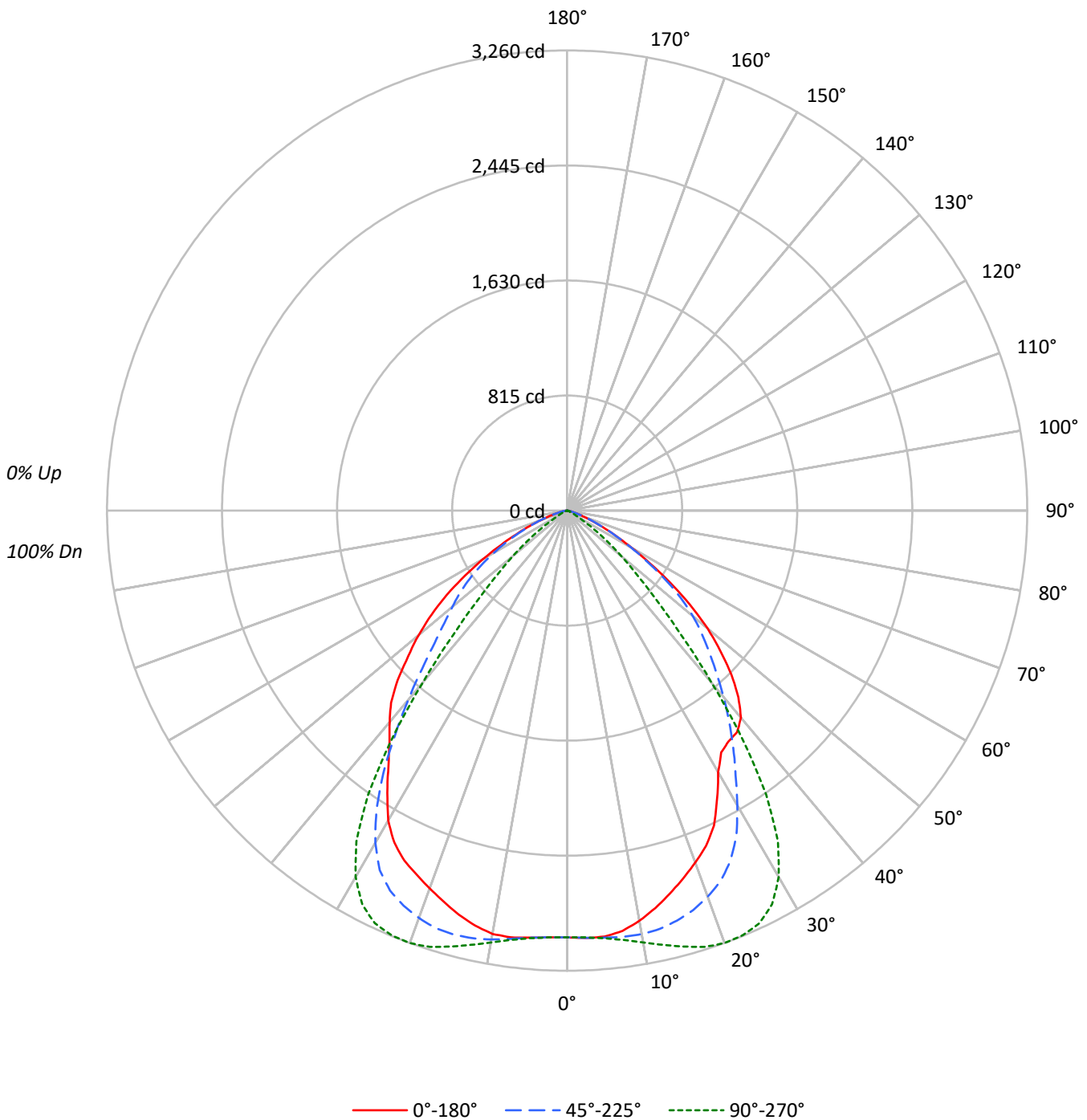
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248426

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Luminous Intensity Polar Plot





TEST NUMBER: P248426

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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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 92 | 90 |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 |
| 6 | 78 | 66 | 59 | 53 | 76 | 66 | 58 | 53 | 64 | 57 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--|-----|------|
| 0° | Luminaire represents a point source (luminous area is zero). | | |
| 5° | No luminance values can be calculated. | | |
| 10° | | | |
| 15° | | | |
| 20° | | | |
| 25° | | | |
| 30° | | | |
| 35° | | | |
| 40° | | | |
| 45° | | | |
| 50° | | | |
| 55° | | | |
| 60° | | | |
| 65° | | | |
| 70° | | | |
| 75° | | | |
| 80° | | | |
| 85° | | | |



TEST NUMBER: P248426

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBDW0LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 290.7 | 5.0 |
| 10°-20° | 861.2 | 14.8 |
| 20°-30° | 1313.8 | 22.5 |
| 30°-40° | 1371.0 | 23.5 |
| 40°-50° | 1029.8 | 17.7 |
| 50°-60° | 633.6 | 10.9 |
| 60°-70° | 257.9 | 4.4 |
| 70°-80° | 60.7 | 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° | 2465.7 | 42.3 |
| 0°-40° | 3836.7 | 65.8 |
| 0°-60° | 5500.0 | 94.4 |
| 0°-90° | 5827.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5827.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3023 | 3023 | 3023 | 3023 | 3023 | |
| 5° | 3029 | 3037 | 3040 | 3037 | 3037 | 287 |
| 15° | 2810 | 3007 | 3198 | 3110 | 2964 | 791 |
| 25° | 2461 | 2737 | 3225 | 2970 | 2734 | 1119 |
| 35° | 1994 | 2050 | 2456 | 2270 | 2206 | 1259 |
| 45° | 1646 | 1425 | 889 | 1327 | 1698 | 1256 |
| 55° | 889 | 844 | 233 | 844 | 1041 | 799 |
| 65° | 278 | 281 | 35 | 377 | 400 | 289 |
| 75° | 48 | 48 | 6 | 85 | 88 | 58 |
| 85° | 5 | 5 | 2 | 11 | 14 | 7 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248426

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 |
| 2.5° | 3030.9 | 3026.1 | 3030.9 | 3030.9 | 3032.5 | 3029.3 | 3030.9 | 3032.5 | 3029.3 | 3029.3 | 3029.3 |
| 5° | 3029.3 | 3026.1 | 3029.3 | 3027.7 | 3030.9 | 3030.9 | 3034.1 | 3034.1 | 3037.3 | 3037.3 | 3042.1 |
| 7.5° | 3003.6 | 2997.2 | 3003.6 | 3008.4 | 3011.6 | 3018.1 | 3026.1 | 3032.5 | 3038.9 | 3045.3 | 3053.3 |
| 10° | 2950.6 | 2950.6 | 2955.5 | 2965.1 | 2974.7 | 2985.9 | 3000.4 | 3016.4 | 3032.5 | 3046.9 | 3061.4 |
| 12.5° | 2884.9 | 2880.1 | 2889.7 | 2902.5 | 2917.0 | 2934.6 | 2957.1 | 2981.1 | 3006.8 | 3035.7 | 3058.2 |
| 15° | 2809.5 | 2804.6 | 2815.9 | 2828.7 | 2846.4 | 2872.0 | 2899.3 | 2931.4 | 2968.3 | 3006.8 | 3043.7 |
| 17.5° | 2732.4 | 2730.8 | 2742.1 | 2759.7 | 2774.2 | 2801.4 | 2836.8 | 2875.2 | 2917.0 | 2968.3 | 3016.4 |
| 20° | 2653.8 | 2652.2 | 2663.5 | 2677.9 | 2697.1 | 2722.8 | 2758.1 | 2803.0 | 2852.8 | 2910.6 | 2966.7 |
| 22.5° | 2572.0 | 2573.6 | 2583.2 | 2599.3 | 2615.3 | 2642.6 | 2679.5 | 2724.4 | 2779.0 | 2841.5 | 2904.1 |
| 25° | 2461.3 | 2453.3 | 2466.1 | 2482.2 | 2509.4 | 2531.9 | 2567.2 | 2615.3 | 2671.5 | 2737.3 | 2811.1 |
| 27.5° | 2300.8 | 2299.2 | 2310.5 | 2324.9 | 2349.0 | 2376.2 | 2414.8 | 2464.5 | 2523.9 | 2596.1 | 2668.3 |
| 30° | 2140.4 | 2143.6 | 2148.4 | 2162.9 | 2178.9 | 2206.2 | 2244.7 | 2286.4 | 2342.6 | 2411.5 | 2488.6 |
| 32.5° | 2031.3 | 2031.3 | 2037.7 | 2047.3 | 2058.6 | 2073.0 | 2100.3 | 2130.8 | 2174.1 | 2222.2 | 2278.4 |
| 35° | 1994.4 | 1988.0 | 1994.4 | 1996.0 | 1997.6 | 2000.8 | 2005.6 | 2015.3 | 2029.7 | 2050.5 | 2071.4 |
| 37.5° | 1978.3 | 1973.5 | 1973.5 | 1967.1 | 1959.1 | 1949.5 | 1936.6 | 1922.2 | 1906.2 | 1885.3 | 1869.2 |
| 40° | 1915.8 | 1912.6 | 1909.3 | 1902.9 | 1885.3 | 1866.0 | 1845.1 | 1811.5 | 1774.6 | 1723.2 | 1671.9 |
| 42.5° | 1795.4 | 1792.2 | 1790.6 | 1777.8 | 1761.7 | 1739.3 | 1715.2 | 1679.9 | 1633.4 | 1567.6 | 1493.8 |
| 45° | 1646.2 | 1639.8 | 1635.0 | 1623.8 | 1612.5 | 1593.3 | 1570.8 | 1538.7 | 1492.2 | 1424.8 | 1336.5 |
| 47.5° | 1472.9 | 1469.7 | 1468.1 | 1463.3 | 1452.1 | 1440.8 | 1426.4 | 1400.7 | 1359.0 | 1294.8 | 1203.4 |
| 50° | 1298.0 | 1291.6 | 1294.8 | 1293.2 | 1288.4 | 1280.4 | 1270.7 | 1253.1 | 1221.0 | 1163.3 | 1079.8 |
| 52.5° | 1097.5 | 1097.5 | 1095.9 | 1100.7 | 1102.3 | 1100.7 | 1102.3 | 1083.0 | 1055.8 | 1012.4 | 941.8 |
| 55° | 888.9 | 888.9 | 893.7 | 900.1 | 906.5 | 908.1 | 906.5 | 898.5 | 879.2 | 844.0 | 781.4 |
| 57.5° | 693.1 | 689.9 | 699.6 | 709.2 | 715.6 | 722.0 | 717.2 | 710.8 | 699.6 | 670.7 | 622.5 |
| 60° | 527.9 | 527.9 | 534.3 | 540.7 | 547.1 | 553.6 | 551.9 | 550.3 | 540.7 | 521.4 | 483.0 |
| 62.5° | 388.3 | 389.9 | 389.9 | 394.7 | 401.1 | 407.5 | 412.3 | 407.5 | 402.7 | 389.9 | 364.2 |
| 65° | 277.6 | 276.0 | 277.6 | 282.4 | 287.2 | 293.6 | 296.8 | 295.2 | 290.4 | 280.8 | 261.5 |
| 67.5° | 186.1 | 184.5 | 190.9 | 192.5 | 195.7 | 202.2 | 200.6 | 202.2 | 200.6 | 192.5 | 176.5 |
| 70° | 121.9 | 118.7 | 121.9 | 120.3 | 125.2 | 126.8 | 129.9 | 131.6 | 129.9 | 125.2 | 120.3 |
| 72.5° | 75.4 | 73.8 | 75.4 | 77.0 | 78.6 | 80.2 | 83.4 | 83.4 | 81.8 | 78.6 | 72.2 |
| 75° | 48.1 | 43.3 | 44.9 | 41.7 | 44.9 | 44.9 | 48.1 | 49.7 | 48.1 | 48.1 | 44.9 |
| 77.5° | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 30.5 | 32.1 | 28.9 | 27.3 |
| 80° | 14.4 | 14.4 | 16.1 | 16.1 | 16.1 | 17.7 | 16.1 | 16.1 | 16.1 | 17.7 | 12.8 |
| 82.5° | 11.2 | 9.6 | 9.6 | 9.6 | 11.2 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 85° | 4.8 | 6.4 | 4.8 | 3.2 | 4.8 | 4.8 | 6.4 | 4.8 | 4.8 | 4.8 | 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: P248426

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 |
| 2.5° | 3030.9 | 3027.7 | 3027.7 | 3026.1 | 3029.3 | 3026.1 | 3027.7 | 3026.1 | 3026.1 | 3029.3 | 3026.1 |
| 5° | 3042.1 | 3043.7 | 3040.5 | 3038.9 | 3043.7 | 3043.7 | 3043.7 | 3040.5 | 3040.5 | 3042.1 | 3040.5 |
| 7.5° | 3058.2 | 3061.4 | 3063.0 | 3064.6 | 3067.8 | 3069.4 | 3069.4 | 3067.8 | 3066.2 | 3071.0 | 3064.6 |
| 10° | 3075.8 | 3080.6 | 3090.2 | 3095.1 | 3103.1 | 3103.1 | 3106.3 | 3106.3 | 3103.1 | 3106.3 | 3104.7 |
| 12.5° | 3069.4 | 3098.3 | 3114.3 | 3125.5 | 3136.8 | 3146.4 | 3149.6 | 3151.2 | 3149.6 | 3156.0 | 3149.6 |
| 15° | 3080.6 | 3104.7 | 3130.4 | 3149.6 | 3170.5 | 3181.7 | 3184.9 | 3197.7 | 3201.0 | 3202.6 | 3193.0 |
| 17.5° | 3063.0 | 3106.3 | 3133.6 | 3162.4 | 3193.0 | 3213.8 | 3233.0 | 3241.1 | 3242.7 | 3245.9 | 3233.0 |
| 20° | 3022.8 | 3071.0 | 3112.7 | 3154.4 | 3189.7 | 3221.8 | 3237.9 | 3260.3 | 3253.9 | 3266.8 | 3249.1 |
| 22.5° | 2968.3 | 3022.8 | 3075.8 | 3130.4 | 3167.3 | 3205.8 | 3239.5 | 3255.5 | 3263.5 | 3263.5 | 3244.3 |
| 25° | 2881.7 | 2945.9 | 3003.6 | 3059.7 | 3115.9 | 3162.4 | 3201.0 | 3225.0 | 3229.9 | 3228.2 | 3205.8 |
| 27.5° | 2746.9 | 2815.9 | 2883.3 | 2947.5 | 3016.4 | 3071.0 | 3115.9 | 3144.8 | 3152.8 | 3152.8 | 3128.8 |
| 30° | 2560.8 | 2634.6 | 2700.4 | 2777.4 | 2848.0 | 2909.0 | 2971.5 | 2997.2 | 3011.6 | 3011.6 | 2984.4 |
| 32.5° | 2339.3 | 2401.9 | 2462.9 | 2538.3 | 2615.3 | 2684.3 | 2743.7 | 2779.0 | 2796.6 | 2795.0 | 2771.0 |
| 35° | 2098.7 | 2129.1 | 2175.7 | 2231.8 | 2300.8 | 2365.0 | 2422.8 | 2456.5 | 2487.0 | 2485.3 | 2462.9 |
| 37.5° | 1858.0 | 1850.0 | 1854.8 | 1875.6 | 1919.0 | 1963.9 | 2008.8 | 2040.9 | 2066.6 | 2077.8 | 2073.0 |
| 40° | 1622.2 | 1580.4 | 1540.3 | 1525.9 | 1529.1 | 1545.1 | 1569.2 | 1593.3 | 1622.2 | 1636.6 | 1643.0 |
| 42.5° | 1410.3 | 1339.8 | 1269.1 | 1216.2 | 1185.7 | 1176.1 | 1187.3 | 1195.3 | 1213.0 | 1233.8 | 1254.7 |
| 45° | 1240.3 | 1145.6 | 1052.5 | 970.7 | 919.4 | 888.9 | 882.5 | 888.9 | 898.5 | 919.4 | 946.7 |
| 47.5° | 1100.7 | 990.0 | 885.7 | 794.2 | 718.8 | 678.7 | 667.5 | 664.3 | 673.9 | 693.1 | 730.0 |
| 50° | 977.1 | 866.4 | 750.9 | 645.0 | 566.4 | 521.4 | 505.4 | 499.0 | 510.2 | 524.7 | 558.3 |
| 52.5° | 842.3 | 733.2 | 614.5 | 511.8 | 430.0 | 383.5 | 365.8 | 356.2 | 362.6 | 381.9 | 415.6 |
| 55° | 696.3 | 595.2 | 487.8 | 381.9 | 303.2 | 259.9 | 239.1 | 232.7 | 239.1 | 259.9 | 293.6 |
| 57.5° | 550.3 | 465.3 | 375.4 | 276.0 | 205.4 | 162.1 | 141.2 | 134.8 | 152.4 | 160.5 | 195.7 |
| 60° | 430.0 | 361.0 | 284.0 | 202.2 | 141.2 | 107.5 | 86.6 | 81.8 | 89.9 | 104.3 | 133.2 |
| 62.5° | 322.5 | 279.2 | 218.2 | 144.4 | 104.3 | 69.0 | 57.8 | 53.0 | 57.8 | 69.0 | 91.5 |
| 65° | 234.3 | 200.6 | 152.4 | 105.9 | 70.6 | 51.4 | 38.5 | 35.3 | 40.1 | 48.1 | 67.4 |
| 67.5° | 160.5 | 134.8 | 105.9 | 73.8 | 48.1 | 32.1 | 27.3 | 27.3 | 28.9 | 35.3 | 49.7 |
| 70° | 104.3 | 88.3 | 67.4 | 48.1 | 32.1 | 24.1 | 20.8 | 17.7 | 20.8 | 25.7 | 33.7 |
| 72.5° | 65.8 | 56.1 | 43.3 | 33.7 | 24.1 | 17.7 | 14.4 | 12.8 | 16.1 | 19.2 | 25.7 |
| 75° | 40.1 | 30.5 | 22.5 | 17.7 | 12.8 | 12.8 | 12.8 | 6.4 | 8.0 | 12.8 | 16.1 |
| 77.5° | 24.1 | 20.8 | 17.7 | 14.4 | 11.2 | 6.4 | 6.4 | 6.4 | 8.0 | 9.6 | 14.4 |
| 80° | 12.8 | 11.2 | 8.0 | 8.0 | 6.4 | 4.8 | 6.4 | 4.8 | 3.2 | 8.0 | 9.6 |
| 82.5° | 8.0 | 6.4 | 6.4 | 6.4 | 8.0 | 3.2 | 4.8 | 3.2 | 4.8 | 6.4 | 4.8 |
| 85° | 4.8 | 4.8 | 4.8 | 3.2 | 8.0 | 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: P248426

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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 | 3022.8 |
| 2.5° | 3027.7 | 3026.1 | 3027.7 | 3026.1 | 3026.1 | 3026.1 | 3027.7 | 3027.7 | 3026.1 | 3026.1 | 3029.3 |
| 5° | 3040.5 | 3040.5 | 3040.5 | 3038.9 | 3037.3 | 3037.3 | 3040.5 | 3040.5 | 3035.7 | 3040.5 | 3040.5 |
| 7.5° | 3067.8 | 3063.0 | 3067.8 | 3061.4 | 3058.2 | 3059.7 | 3061.4 | 3058.2 | 3055.0 | 3056.6 | 3056.6 |
| 10° | 3103.1 | 3098.3 | 3098.3 | 3093.5 | 3088.6 | 3085.4 | 3082.2 | 3074.2 | 3066.2 | 3064.6 | 3058.2 |
| 12.5° | 3144.8 | 3136.8 | 3132.0 | 3122.3 | 3114.3 | 3103.1 | 3093.5 | 3080.6 | 3064.6 | 3053.3 | 3042.1 |
| 15° | 3186.5 | 3173.7 | 3162.4 | 3146.4 | 3128.8 | 3109.5 | 3088.6 | 3067.8 | 3042.1 | 3019.7 | 3000.4 |
| 17.5° | 3220.2 | 3202.6 | 3181.7 | 3156.0 | 3130.4 | 3101.5 | 3071.0 | 3040.5 | 3003.6 | 2974.7 | 2952.3 |
| 20° | 3231.4 | 3205.8 | 3178.5 | 3144.8 | 3111.1 | 3071.0 | 3032.5 | 2992.4 | 2950.6 | 2920.2 | 2894.5 |
| 22.5° | 3217.0 | 3186.5 | 3152.8 | 3117.5 | 3072.6 | 3029.3 | 2984.4 | 2937.8 | 2900.9 | 2859.2 | 2835.1 |
| 25° | 3176.9 | 3140.0 | 3103.1 | 3061.4 | 3018.1 | 2969.9 | 2921.8 | 2873.7 | 2828.7 | 2806.2 | 2775.8 |
| 27.5° | 3095.1 | 3055.0 | 3014.8 | 2971.5 | 2921.8 | 2873.7 | 2823.9 | 2777.4 | 2738.9 | 2708.4 | 2690.7 |
| 30° | 2950.6 | 2904.1 | 2857.6 | 2811.1 | 2767.7 | 2718.0 | 2671.5 | 2633.0 | 2594.4 | 2570.4 | 2552.8 |
| 32.5° | 2729.2 | 2687.5 | 2641.0 | 2596.1 | 2556.0 | 2514.2 | 2475.7 | 2442.0 | 2414.8 | 2398.7 | 2385.9 |
| 35° | 2430.8 | 2389.1 | 2353.8 | 2321.7 | 2288.0 | 2270.4 | 2246.3 | 2227.0 | 2215.8 | 2209.4 | 2207.8 |
| 37.5° | 2055.3 | 2031.3 | 2020.0 | 2013.6 | 2007.2 | 2002.4 | 2005.6 | 2013.6 | 2020.0 | 2031.3 | 2044.1 |
| 40° | 1654.2 | 1675.1 | 1681.5 | 1704.0 | 1724.8 | 1752.1 | 1782.6 | 1817.9 | 1846.8 | 1883.7 | 1909.3 |
| 42.5° | 1288.4 | 1326.9 | 1371.8 | 1420.0 | 1471.3 | 1521.1 | 1582.0 | 1638.2 | 1689.5 | 1736.0 | 1776.2 |
| 45° | 990.0 | 1049.3 | 1116.7 | 1185.7 | 1254.7 | 1326.9 | 1400.7 | 1469.7 | 1530.7 | 1580.4 | 1622.2 |
| 47.5° | 771.8 | 837.6 | 924.2 | 1009.2 | 1092.7 | 1177.7 | 1259.5 | 1331.7 | 1383.1 | 1431.2 | 1468.1 |
| 50° | 611.3 | 686.7 | 781.4 | 879.2 | 970.7 | 1060.5 | 1147.2 | 1214.6 | 1266.0 | 1304.5 | 1331.7 |
| 52.5° | 473.3 | 563.2 | 659.4 | 762.1 | 860.0 | 957.9 | 1038.1 | 1100.7 | 1142.4 | 1176.1 | 1196.9 |
| 55° | 353.0 | 441.2 | 543.9 | 649.8 | 749.3 | 844.0 | 919.4 | 973.9 | 1010.8 | 1030.1 | 1041.3 |
| 57.5° | 255.1 | 335.4 | 438.0 | 543.9 | 633.8 | 723.6 | 784.6 | 834.3 | 855.2 | 866.4 | 871.2 |
| 60° | 186.1 | 259.9 | 351.4 | 442.8 | 527.9 | 600.1 | 653.0 | 686.7 | 702.8 | 709.2 | 707.6 |
| 62.5° | 136.4 | 200.6 | 279.2 | 356.2 | 425.2 | 484.5 | 526.3 | 548.7 | 556.8 | 560.0 | 555.2 |
| 65° | 104.3 | 154.0 | 221.4 | 280.8 | 333.7 | 377.0 | 407.5 | 422.0 | 426.8 | 425.2 | 422.0 |
| 67.5° | 77.0 | 115.5 | 165.3 | 210.2 | 248.7 | 282.4 | 298.4 | 311.3 | 314.5 | 309.7 | 304.8 |
| 70° | 54.6 | 85.0 | 120.3 | 150.8 | 179.7 | 199.0 | 216.6 | 218.2 | 218.2 | 216.6 | 213.4 |
| 72.5° | 38.5 | 59.4 | 81.8 | 102.7 | 120.3 | 134.8 | 141.2 | 146.0 | 144.4 | 142.8 | 139.6 |
| 75° | 25.7 | 36.9 | 59.4 | 64.2 | 80.2 | 85.0 | 91.5 | 91.5 | 93.0 | 88.3 | 88.3 |
| 77.5° | 16.1 | 25.7 | 35.3 | 41.7 | 48.1 | 54.6 | 57.8 | 57.8 | 59.4 | 57.8 | 57.8 |
| 80° | 9.6 | 16.1 | 19.2 | 28.9 | 28.9 | 33.7 | 35.3 | 36.9 | 33.7 | 38.5 | 33.7 |
| 82.5° | 6.4 | 9.6 | 14.4 | 14.4 | 17.7 | 20.8 | 20.8 | 22.5 | 22.5 | 20.8 | 20.8 |
| 85° | 4.8 | 6.4 | 8.0 | 9.6 | 9.6 | 11.2 | 9.6 | 9.6 | 11.2 | 12.8 | 11.2 |
| 87.5° | 1.6 | 3.2 | 1.6 | 3.2 | 3.2 | 6.4 | 4.8 | 4.8 | 4.8 | 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: P248426

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBDW0LI

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3022.8 | 3022.8 | 3022.8 | 3022.8 |
| 2.5° | 3026.1 | 3027.7 | 3026.1 | 3026.1 |
| 5° | 3040.5 | 3038.9 | 3040.5 | 3037.3 |
| 7.5° | 3051.7 | 3051.7 | 3050.1 | 3050.1 |
| 10° | 3051.7 | 3045.3 | 3045.3 | 3045.3 |
| 12.5° | 3027.7 | 3019.7 | 3014.8 | 3011.6 |
| 15° | 2985.9 | 2971.5 | 2965.1 | 2963.5 |
| 17.5° | 2931.4 | 2918.6 | 2910.6 | 2905.7 |
| 20° | 2868.8 | 2856.0 | 2846.4 | 2848.0 |
| 22.5° | 2814.3 | 2799.8 | 2793.4 | 2790.2 |
| 25° | 2759.7 | 2742.1 | 2737.3 | 2734.1 |
| 27.5° | 2671.5 | 2661.9 | 2657.0 | 2652.2 |
| 30° | 2536.7 | 2531.9 | 2523.9 | 2535.1 |
| 32.5° | 2381.1 | 2373.0 | 2366.6 | 2371.5 |
| 35° | 2209.4 | 2204.6 | 2209.4 | 2206.2 |
| 37.5° | 2052.2 | 2056.9 | 2063.4 | 2066.6 |
| 40° | 1928.6 | 1946.2 | 1952.7 | 1955.9 |
| 42.5° | 1805.1 | 1825.9 | 1838.7 | 1846.8 |
| 45° | 1652.6 | 1673.5 | 1687.9 | 1697.6 |
| 47.5° | 1495.4 | 1513.0 | 1527.5 | 1525.9 |
| 50° | 1352.6 | 1362.2 | 1368.6 | 1375.1 |
| 52.5° | 1208.2 | 1208.2 | 1209.8 | 1209.8 |
| 55° | 1044.5 | 1041.3 | 1039.7 | 1041.3 |
| 57.5° | 864.8 | 861.6 | 860.0 | 855.2 |
| 60° | 701.2 | 691.6 | 685.1 | 685.1 |
| 62.5° | 548.7 | 537.5 | 532.7 | 531.1 |
| 65° | 412.3 | 410.7 | 401.1 | 399.5 |
| 67.5° | 298.4 | 292.0 | 285.6 | 287.2 |
| 70° | 210.2 | 200.6 | 200.6 | 197.4 |
| 72.5° | 136.4 | 131.6 | 129.9 | 129.9 |
| 75° | 85.0 | 85.0 | 81.8 | 88.3 |
| 77.5° | 56.1 | 56.1 | 54.6 | 56.1 |
| 80° | 33.7 | 33.7 | 33.7 | 32.1 |
| 82.5° | 20.8 | 22.5 | 20.8 | 20.8 |
| 85° | 11.2 | 12.8 | 9.6 | 14.4 |
| 87.5° | 6.4 | 8.0 | 6.4 | 8.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)