

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: P249479

Luminaire Tested: **LD8B70D010 ER8B70940 8LBDW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249479
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: LD8B70D010 ER8B70940 8LBDW0B
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6016.0 lumens
Efficiency: N/A
Efficacy: 79.3 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

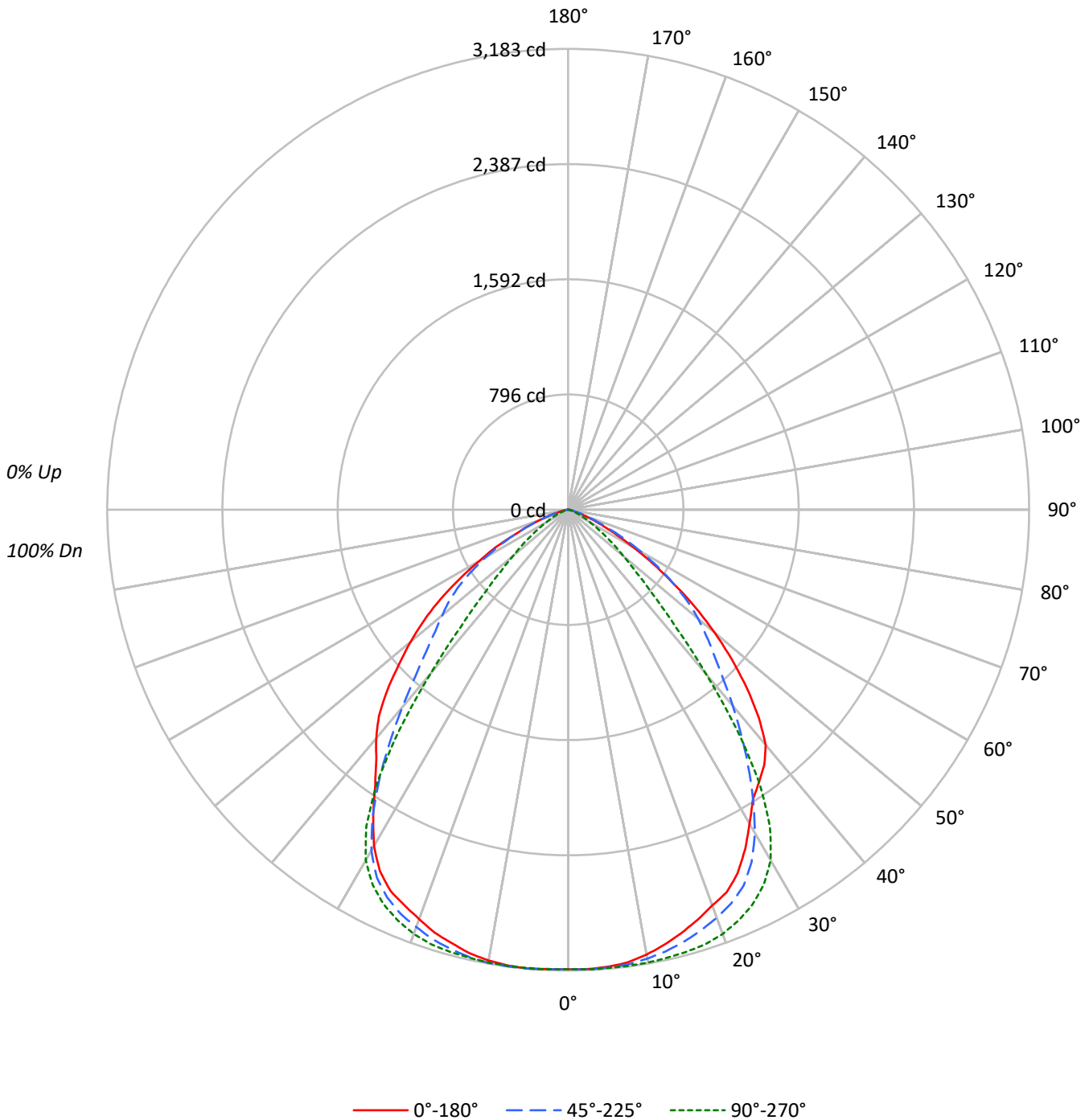
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249479

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBDW0B

Luminous Intensity Polar Plot





TEST NUMBER: P249479

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBDW0B

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|--------|-------|
| 0° | 97881 | 97881 | 97881 |
| 5° | 98094 | 98360 | 98465 |
| 10° | 97681 | 99444 | 99015 |
| 15° | 96599 | 100896 | 98993 |
| 20° | 95440 | 102315 | 98738 |
| 25° | 94203 | 102433 | 98840 |
| 30° | 89120 | 99553 | 95490 |
| 35° | 86457 | 86521 | 87421 |
| 40° | 85387 | 59532 | 82988 |
| 45° | 76085 | 35738 | 77123 |
| 50° | 63262 | 23785 | 68169 |
| 55° | 47450 | 16397 | 57799 |
| 60° | 32156 | 10928 | 43609 |
| 65° | 19394 | 7085 | 29959 |
| 70° | 10756 | 3841 | 18429 |
| 75° | 4873 | 1620 | 9543 |
| 80° | 4226 | 1811 | 6659 |
| 85° | 4812 | 2406 | 6652 |



TEST NUMBER: P249479

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBDW0B

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 302.9 | 5.0 |
| 10°-20° | 879.7 | 14.6 |
| 20°-30° | 1335.3 | 22.2 |
| 30°-40° | 1402.5 | 23.3 |
| 40°-50° | 1051.5 | 17.5 |
| 50°-60° | 674.6 | 11.2 |
| 60°-70° | 288.6 | 4.8 |
| 70°-80° | 68.2 | 1.1 |
| 80°-90° | 12.7 | 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° | 2518.0 | 41.9 |
| 0°-40° | 3920.4 | 65.2 |
| 0°-60° | 5646.5 | 93.9 |
| 0°-90° | 6016.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6016.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3174 | 3174 | 3174 | 3174 | 3174 | |
| 5° | 3169 | 3174 | 3178 | 3183 | 3181 | 301 |
| 15° | 3026 | 3089 | 3160 | 3140 | 3101 | 853 |
| 25° | 2769 | 2866 | 3011 | 2956 | 2905 | 1265 |
| 35° | 2297 | 2169 | 2298 | 2271 | 2322 | 1441 |
| 45° | 1745 | 1426 | 820 | 1385 | 1768 | 1336 |
| 55° | 883 | 883 | 305 | 920 | 1075 | 801 |
| 65° | 266 | 314 | 97 | 404 | 411 | 284 |
| 75° | 41 | 48 | 14 | 82 | 80 | 60 |
| 85° | 14 | 8 | 7 | 14 | 19 | 14 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249479

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 |
| 2.5° | 3175.9 | 3179.3 | 3177.6 | 3177.6 | 3175.9 | 3177.6 | 3177.6 | 3181.0 | 3181.0 | 3177.6 | 3175.9 |
| 5° | 3169.0 | 3172.5 | 3172.5 | 3169.0 | 3169.0 | 3177.6 | 3172.5 | 3175.9 | 3175.9 | 3174.2 | 3174.2 |
| 7.5° | 3153.7 | 3153.7 | 3160.5 | 3155.4 | 3155.4 | 3160.5 | 3158.8 | 3162.2 | 3165.7 | 3167.4 | 3167.4 |
| 10° | 3119.6 | 3123.0 | 3124.8 | 3124.8 | 3126.5 | 3131.6 | 3135.0 | 3141.8 | 3145.2 | 3148.6 | 3150.3 |
| 12.5° | 3077.1 | 3082.2 | 3083.9 | 3082.2 | 3087.3 | 3094.1 | 3102.6 | 3111.1 | 3116.3 | 3123.0 | 3128.2 |
| 15° | 3025.9 | 3025.9 | 3029.3 | 3034.5 | 3037.9 | 3048.1 | 3056.6 | 3066.8 | 3080.4 | 3089.0 | 3097.5 |
| 17.5° | 2969.7 | 2973.1 | 2978.2 | 2978.2 | 2985.1 | 3002.1 | 3007.2 | 3022.5 | 3037.9 | 3046.4 | 3063.4 |
| 20° | 2908.4 | 2911.8 | 2916.9 | 2920.3 | 2928.8 | 2942.5 | 2952.7 | 2966.3 | 2983.3 | 2998.7 | 3015.7 |
| 22.5° | 2860.7 | 2853.9 | 2857.2 | 2860.7 | 2869.2 | 2881.1 | 2893.1 | 2910.1 | 2927.1 | 2942.5 | 2959.5 |
| 25° | 2768.7 | 2770.4 | 2775.5 | 2778.9 | 2789.1 | 2799.3 | 2813.0 | 2833.4 | 2848.7 | 2865.8 | 2884.5 |
| 27.5° | 2644.3 | 2646.0 | 2654.5 | 2654.5 | 2663.0 | 2680.1 | 2688.6 | 2705.6 | 2726.1 | 2743.1 | 2765.3 |
| 30° | 2502.9 | 2506.3 | 2506.3 | 2513.1 | 2518.2 | 2526.7 | 2535.2 | 2552.3 | 2562.5 | 2577.8 | 2608.5 |
| 32.5° | 2373.4 | 2376.8 | 2375.1 | 2373.4 | 2368.3 | 2366.6 | 2364.9 | 2368.3 | 2371.7 | 2376.8 | 2388.7 |
| 35° | 2296.7 | 2288.2 | 2281.4 | 2269.5 | 2255.8 | 2238.8 | 2223.4 | 2203.0 | 2184.3 | 2168.9 | 2151.9 |
| 37.5° | 2223.4 | 2221.7 | 2211.5 | 2194.5 | 2167.2 | 2136.6 | 2100.8 | 2056.5 | 2012.2 | 1964.5 | 1918.5 |
| 40° | 2121.2 | 2116.1 | 2107.6 | 2083.7 | 2053.1 | 2015.6 | 1967.9 | 1913.4 | 1841.8 | 1768.5 | 1693.6 |
| 42.5° | 1947.4 | 1949.1 | 1938.9 | 1920.2 | 1891.2 | 1855.4 | 1806.0 | 1746.4 | 1669.7 | 1582.8 | 1485.7 |
| 45° | 1744.7 | 1744.7 | 1741.3 | 1725.9 | 1705.5 | 1676.5 | 1639.0 | 1589.6 | 1514.7 | 1426.1 | 1322.1 |
| 47.5° | 1533.4 | 1535.1 | 1530.0 | 1526.6 | 1518.1 | 1499.3 | 1472.1 | 1434.6 | 1381.8 | 1296.6 | 1192.6 |
| 50° | 1318.7 | 1318.7 | 1327.3 | 1325.5 | 1325.5 | 1318.7 | 1306.8 | 1284.6 | 1238.7 | 1170.5 | 1073.4 |
| 52.5° | 1104.1 | 1107.5 | 1112.6 | 1119.4 | 1127.9 | 1141.5 | 1127.9 | 1117.7 | 1088.7 | 1035.9 | 952.4 |
| 55° | 882.6 | 886.0 | 894.5 | 906.4 | 916.7 | 930.3 | 933.7 | 933.7 | 918.3 | 882.6 | 819.5 |
| 57.5° | 693.5 | 688.3 | 695.2 | 705.4 | 719.0 | 732.6 | 742.9 | 754.8 | 753.1 | 729.2 | 678.1 |
| 60° | 521.4 | 523.1 | 528.2 | 538.4 | 548.6 | 560.6 | 574.2 | 584.4 | 589.5 | 577.6 | 545.2 |
| 62.5° | 380.0 | 380.0 | 386.7 | 397.0 | 402.1 | 419.1 | 427.6 | 432.8 | 437.9 | 436.2 | 415.7 |
| 65° | 265.8 | 269.2 | 272.6 | 277.7 | 282.8 | 293.0 | 298.2 | 308.4 | 311.8 | 313.5 | 298.2 |
| 67.5° | 187.4 | 182.3 | 185.7 | 189.1 | 194.2 | 201.1 | 211.3 | 211.3 | 216.4 | 216.4 | 206.2 |
| 70° | 119.3 | 119.3 | 121.0 | 126.1 | 129.5 | 131.2 | 134.6 | 138.0 | 143.1 | 141.4 | 141.4 |
| 72.5° | 80.1 | 78.4 | 80.1 | 81.8 | 83.5 | 88.6 | 88.6 | 90.3 | 93.7 | 95.4 | 88.6 |
| 75° | 40.9 | 42.6 | 46.0 | 44.3 | 49.4 | 46.0 | 47.7 | 52.8 | 51.1 | 47.7 | 47.7 |
| 77.5° | 34.1 | 34.1 | 34.1 | 32.4 | 35.8 | 35.8 | 34.1 | 37.5 | 35.8 | 35.8 | 34.1 |
| 80° | 23.8 | 25.6 | 23.8 | 22.1 | 23.8 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 20.4 |
| 82.5° | 18.8 | 15.3 | 17.1 | 15.3 | 17.1 | 17.1 | 15.3 | 13.6 | 13.6 | 15.3 | 13.6 |
| 85° | 13.6 | 10.2 | 11.9 | 11.9 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 8.5 | 8.5 |
| 87.5° | 8.5 | 5.1 | 5.1 | 5.1 | 6.8 | 6.8 | 6.8 | 5.1 | 6.8 | 6.8 | 3.4 |
| 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: P249479

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 |
| 2.5° | 3179.3 | 3177.6 | 3181.0 | 3179.3 | 3179.3 | 3177.6 | 3179.3 | 3177.6 | 3181.0 | 3174.2 | 3175.9 |
| 5° | 3179.3 | 3175.9 | 3177.6 | 3179.3 | 3181.0 | 3177.6 | 3177.6 | 3177.6 | 3181.0 | 3177.6 | 3179.3 |
| 7.5° | 3172.5 | 3170.7 | 3175.9 | 3179.3 | 3177.6 | 3175.9 | 3179.3 | 3177.6 | 3181.0 | 3179.3 | 3182.7 |
| 10° | 3158.8 | 3160.5 | 3163.9 | 3169.0 | 3170.7 | 3172.5 | 3175.9 | 3175.9 | 3181.0 | 3174.2 | 3177.6 |
| 12.5° | 3138.4 | 3145.2 | 3153.7 | 3157.1 | 3163.9 | 3163.9 | 3167.4 | 3169.0 | 3172.5 | 3170.7 | 3175.9 |
| 15° | 3112.8 | 3121.3 | 3131.6 | 3140.1 | 3148.6 | 3153.7 | 3158.8 | 3160.5 | 3165.7 | 3160.5 | 3162.2 |
| 17.5° | 3082.2 | 3092.4 | 3107.7 | 3117.9 | 3131.6 | 3136.7 | 3143.5 | 3146.9 | 3152.0 | 3148.6 | 3150.3 |
| 20° | 3039.5 | 3051.5 | 3068.5 | 3083.9 | 3092.4 | 3104.3 | 3112.8 | 3117.9 | 3121.3 | 3117.9 | 3119.6 |
| 22.5° | 2979.9 | 2997.0 | 3019.1 | 3031.0 | 3048.1 | 3058.3 | 3060.0 | 3071.9 | 3080.4 | 3071.9 | 3075.4 |
| 25° | 2910.1 | 2927.1 | 2944.2 | 2969.7 | 2985.1 | 2997.0 | 3008.9 | 3010.6 | 3019.1 | 3017.4 | 3015.7 |
| 27.5° | 2794.2 | 2816.4 | 2845.3 | 2865.8 | 2886.2 | 2905.0 | 2918.6 | 2922.0 | 2930.5 | 2927.1 | 2928.8 |
| 30° | 2635.7 | 2659.6 | 2686.9 | 2719.2 | 2748.2 | 2766.9 | 2784.0 | 2795.9 | 2804.4 | 2799.3 | 2797.6 |
| 32.5° | 2410.9 | 2434.7 | 2463.7 | 2496.0 | 2530.1 | 2557.4 | 2577.8 | 2593.2 | 2603.4 | 2600.0 | 2591.5 |
| 35° | 2153.6 | 2160.4 | 2179.2 | 2204.7 | 2233.7 | 2262.6 | 2281.4 | 2298.4 | 2310.3 | 2313.7 | 2313.7 |
| 37.5° | 1889.5 | 1867.4 | 1853.7 | 1853.7 | 1870.8 | 1882.7 | 1899.7 | 1909.9 | 1928.7 | 1935.5 | 1940.6 |
| 40° | 1633.9 | 1582.8 | 1535.1 | 1499.3 | 1475.5 | 1473.8 | 1473.8 | 1478.9 | 1495.9 | 1518.1 | 1538.5 |
| 42.5° | 1405.6 | 1323.8 | 1250.6 | 1184.1 | 1136.4 | 1109.2 | 1097.3 | 1099.0 | 1112.6 | 1133.0 | 1167.1 |
| 45° | 1223.3 | 1121.1 | 1029.1 | 949.0 | 884.3 | 841.7 | 821.2 | 819.5 | 829.7 | 853.6 | 891.1 |
| 47.5° | 1081.9 | 972.9 | 868.9 | 776.9 | 707.1 | 661.1 | 637.2 | 630.4 | 637.2 | 659.4 | 703.7 |
| 50° | 964.4 | 851.9 | 744.6 | 649.1 | 574.2 | 526.5 | 504.3 | 495.8 | 504.3 | 523.1 | 567.3 |
| 52.5° | 855.3 | 739.4 | 638.9 | 546.9 | 466.8 | 425.9 | 402.1 | 397.0 | 402.1 | 424.2 | 460.0 |
| 55° | 729.2 | 630.4 | 531.6 | 439.6 | 369.7 | 328.8 | 310.1 | 305.0 | 310.1 | 330.6 | 368.0 |
| 57.5° | 604.9 | 519.7 | 432.8 | 349.3 | 289.7 | 253.8 | 236.8 | 230.0 | 241.9 | 255.6 | 299.9 |
| 60° | 489.0 | 420.8 | 347.6 | 274.3 | 224.9 | 192.5 | 178.9 | 177.2 | 180.6 | 197.6 | 228.3 |
| 62.5° | 383.4 | 327.1 | 269.2 | 209.6 | 168.7 | 155.0 | 138.0 | 136.3 | 139.7 | 149.9 | 173.8 |
| 65° | 276.0 | 240.3 | 195.9 | 153.3 | 121.0 | 102.2 | 95.4 | 97.1 | 100.5 | 107.3 | 129.5 |
| 67.5° | 192.5 | 167.0 | 136.3 | 107.3 | 83.5 | 75.0 | 68.2 | 66.5 | 68.2 | 80.1 | 92.0 |
| 70° | 129.5 | 114.1 | 92.0 | 81.8 | 57.9 | 46.0 | 47.7 | 42.6 | 49.4 | 49.4 | 59.6 |
| 72.5° | 85.2 | 75.0 | 61.3 | 47.7 | 40.9 | 32.4 | 32.4 | 30.7 | 34.1 | 35.8 | 44.3 |
| 75° | 44.3 | 34.1 | 34.1 | 23.8 | 17.1 | 8.5 | 15.3 | 13.6 | 11.9 | 13.6 | 17.1 |
| 77.5° | 30.7 | 25.6 | 23.8 | 18.8 | 17.1 | 13.6 | 13.6 | 13.6 | 13.6 | 15.3 | 17.1 |
| 80° | 18.8 | 18.8 | 13.6 | 11.9 | 10.2 | 8.5 | 10.2 | 10.2 | 10.2 | 10.2 | 11.9 |
| 82.5° | 11.9 | 10.2 | 10.2 | 8.5 | 8.5 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 10.2 |
| 85° | 10.2 | 6.8 | 6.8 | 5.1 | 6.8 | 11.9 | 5.1 | 6.8 | 6.8 | 6.8 | 5.1 |
| 87.5° | 3.4 | 5.1 | 5.1 | 5.1 | 3.4 | 1.7 | 3.4 | 5.1 | 5.1 | 8.5 | 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: P249479

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 | 3174.2 |
| 2.5° | 3179.3 | 3181.0 | 3181.0 | 3179.3 | 3179.3 | 3175.9 | 3182.7 | 3177.6 | 3179.3 | 3186.1 | 3181.0 |
| 5° | 3182.7 | 3184.4 | 3184.4 | 3182.7 | 3182.7 | 3182.7 | 3184.4 | 3184.4 | 3182.7 | 3181.0 | 3184.4 |
| 7.5° | 3189.5 | 3187.8 | 3187.8 | 3184.4 | 3184.4 | 3181.0 | 3184.4 | 3179.3 | 3182.7 | 3179.3 | 3184.4 |
| 10° | 3181.0 | 3182.7 | 3181.0 | 3179.3 | 3179.3 | 3177.6 | 3177.6 | 3172.5 | 3174.2 | 3169.0 | 3172.5 |
| 12.5° | 3175.9 | 3174.2 | 3174.2 | 3170.7 | 3167.4 | 3163.9 | 3162.2 | 3157.1 | 3157.1 | 3145.2 | 3150.3 |
| 15° | 3162.2 | 3163.9 | 3158.8 | 3152.0 | 3148.6 | 3140.1 | 3136.7 | 3129.8 | 3123.0 | 3114.5 | 3116.3 |
| 17.5° | 3150.3 | 3145.2 | 3138.4 | 3131.6 | 3117.9 | 3111.1 | 3104.3 | 3094.1 | 3090.7 | 3080.4 | 3077.1 |
| 20° | 3114.5 | 3111.1 | 3102.6 | 3090.7 | 3082.2 | 3066.8 | 3060.0 | 3049.8 | 3041.3 | 3031.0 | 3025.9 |
| 22.5° | 3068.5 | 3065.1 | 3054.9 | 3043.0 | 3029.3 | 3022.5 | 3015.7 | 2997.0 | 2988.4 | 2978.2 | 2976.5 |
| 25° | 3010.6 | 3005.5 | 2995.3 | 2981.6 | 2974.8 | 2956.1 | 2949.2 | 2935.6 | 2932.2 | 2922.0 | 2920.3 |
| 27.5° | 2922.0 | 2915.2 | 2903.3 | 2886.2 | 2874.3 | 2862.4 | 2855.6 | 2845.3 | 2841.9 | 2831.7 | 2830.0 |
| 30° | 2789.1 | 2780.6 | 2756.7 | 2749.9 | 2729.5 | 2717.5 | 2717.5 | 2703.9 | 2705.6 | 2698.8 | 2698.8 |
| 32.5° | 2579.5 | 2565.9 | 2547.2 | 2533.5 | 2519.9 | 2513.1 | 2513.1 | 2508.0 | 2511.4 | 2511.4 | 2514.8 |
| 35° | 2301.8 | 2283.1 | 2272.8 | 2264.3 | 2264.3 | 2271.1 | 2291.6 | 2296.7 | 2306.9 | 2315.4 | 2322.3 |
| 37.5° | 1945.7 | 1944.0 | 1956.0 | 1966.2 | 1991.7 | 2020.7 | 2056.5 | 2087.2 | 2116.1 | 2136.6 | 2157.0 |
| 40° | 1560.7 | 1603.3 | 1637.3 | 1685.1 | 1724.2 | 1780.5 | 1845.2 | 1898.0 | 1947.4 | 1983.2 | 2020.7 |
| 42.5° | 1218.2 | 1272.7 | 1344.3 | 1414.1 | 1484.0 | 1560.7 | 1645.9 | 1719.1 | 1783.9 | 1833.3 | 1872.5 |
| 45° | 949.0 | 1024.0 | 1110.9 | 1199.5 | 1289.8 | 1385.2 | 1473.8 | 1548.7 | 1616.9 | 1668.0 | 1707.2 |
| 47.5° | 765.0 | 846.8 | 945.6 | 1042.7 | 1144.9 | 1245.5 | 1344.3 | 1409.0 | 1465.2 | 1506.1 | 1542.0 |
| 50° | 632.1 | 719.0 | 822.9 | 933.7 | 1035.9 | 1136.4 | 1221.6 | 1284.6 | 1330.7 | 1366.4 | 1388.6 |
| 52.5° | 528.2 | 620.2 | 730.9 | 841.7 | 943.9 | 1035.9 | 1112.6 | 1160.3 | 1197.8 | 1223.3 | 1243.8 |
| 55° | 436.2 | 524.8 | 628.7 | 732.6 | 833.2 | 920.0 | 983.1 | 1018.9 | 1047.8 | 1063.2 | 1075.1 |
| 57.5° | 356.1 | 437.9 | 533.3 | 628.7 | 715.6 | 787.2 | 836.6 | 872.3 | 886.0 | 897.9 | 896.2 |
| 60° | 279.4 | 356.1 | 443.0 | 524.8 | 599.7 | 657.6 | 693.5 | 713.9 | 724.1 | 729.2 | 725.8 |
| 62.5° | 219.8 | 289.7 | 356.1 | 427.6 | 482.2 | 531.6 | 565.7 | 565.7 | 570.8 | 572.5 | 577.6 |
| 65° | 163.5 | 216.4 | 274.3 | 327.1 | 371.4 | 403.8 | 422.6 | 427.6 | 434.5 | 432.8 | 429.4 |
| 67.5° | 121.0 | 160.2 | 202.7 | 241.9 | 272.6 | 293.0 | 306.7 | 318.6 | 316.9 | 313.5 | 311.8 |
| 70° | 83.5 | 109.1 | 146.5 | 170.4 | 192.5 | 213.0 | 216.4 | 218.1 | 219.8 | 221.5 | 218.1 |
| 72.5° | 57.9 | 76.7 | 97.1 | 117.6 | 131.2 | 139.7 | 148.2 | 149.9 | 149.9 | 149.9 | 148.2 |
| 75° | 29.0 | 39.2 | 57.9 | 66.5 | 78.4 | 81.8 | 88.6 | 88.6 | 93.7 | 86.9 | 85.2 |
| 77.5° | 25.6 | 30.7 | 40.9 | 47.7 | 52.8 | 57.9 | 59.6 | 64.7 | 63.0 | 59.6 | 61.3 |
| 80° | 15.3 | 18.8 | 25.6 | 29.0 | 35.8 | 37.5 | 39.2 | 40.9 | 39.2 | 40.9 | 40.9 |
| 82.5° | 11.9 | 13.6 | 17.1 | 17.1 | 22.1 | 22.1 | 23.8 | 23.8 | 25.6 | 25.6 | 25.6 |
| 85° | 6.8 | 11.9 | 10.2 | 20.4 | 13.6 | 13.6 | 17.1 | 20.4 | 17.1 | 17.1 | 20.4 |
| 87.5° | 6.8 | 6.8 | 5.1 | 6.8 | 6.8 | 6.8 | 8.5 | 10.2 | 10.2 | 11.9 | 10.2 |
| 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: P249479

CATALOG NUMBER: LD8B70D010 ER8B70940 8LBDW0B

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3174.2 | 3174.2 | 3174.2 | 3174.2 |
| 2.5° | 3179.3 | 3182.7 | 3177.6 | 3175.9 |
| 5° | 3184.4 | 3184.4 | 3181.0 | 3181.0 |
| 7.5° | 3184.4 | 3184.4 | 3179.3 | 3175.9 |
| 10° | 3170.7 | 3170.7 | 3165.7 | 3162.2 |
| 12.5° | 3145.2 | 3145.2 | 3143.5 | 3138.4 |
| 15° | 3112.8 | 3112.8 | 3106.0 | 3100.9 |
| 17.5° | 3068.5 | 3071.9 | 3063.4 | 3063.4 |
| 20° | 3020.8 | 3019.1 | 3012.3 | 3008.9 |
| 22.5° | 2971.4 | 2968.0 | 2966.3 | 2956.1 |
| 25° | 2918.6 | 2915.2 | 2910.1 | 2905.0 |
| 27.5° | 2828.3 | 2826.6 | 2821.5 | 2814.7 |
| 30° | 2690.3 | 2688.6 | 2681.8 | 2681.8 |
| 32.5° | 2511.4 | 2509.7 | 2502.9 | 2504.6 |
| 35° | 2325.7 | 2332.5 | 2329.1 | 2322.3 |
| 37.5° | 2170.6 | 2175.7 | 2179.2 | 2175.7 |
| 40° | 2041.1 | 2056.5 | 2058.2 | 2061.6 |
| 42.5° | 1903.1 | 1923.6 | 1930.4 | 1933.8 |
| 45° | 1737.8 | 1756.6 | 1771.9 | 1768.5 |
| 47.5° | 1569.2 | 1582.8 | 1596.4 | 1586.2 |
| 50° | 1407.3 | 1415.8 | 1421.0 | 1421.0 |
| 52.5° | 1254.0 | 1254.0 | 1252.3 | 1254.0 |
| 55° | 1078.5 | 1078.5 | 1071.7 | 1075.1 |
| 57.5° | 894.5 | 897.9 | 892.8 | 884.3 |
| 60° | 724.1 | 715.6 | 712.2 | 707.1 |
| 62.5° | 564.0 | 564.0 | 552.0 | 567.3 |
| 65° | 422.6 | 417.4 | 412.3 | 410.6 |
| 67.5° | 306.7 | 305.0 | 299.9 | 298.2 |
| 70° | 216.4 | 209.6 | 207.9 | 204.4 |
| 72.5° | 144.8 | 144.8 | 141.4 | 141.4 |
| 75° | 88.6 | 80.1 | 78.4 | 80.1 |
| 77.5° | 61.3 | 59.6 | 59.6 | 57.9 |
| 80° | 40.9 | 39.2 | 42.6 | 37.5 |
| 82.5° | 25.6 | 27.3 | 25.6 | 27.3 |
| 85° | 17.1 | 20.4 | 18.8 | 18.8 |
| 87.5° | 10.2 | 10.2 | 10.2 | 10.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)