

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: P250910

Luminaire Tested: **LD8B60D010 ER8B609730 8LBSWOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250910
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: LD8B60D010 ER8B609730 8LBSW0LI
Description: PORTFOLIO 8 INCH SINGLE 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: 4857.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

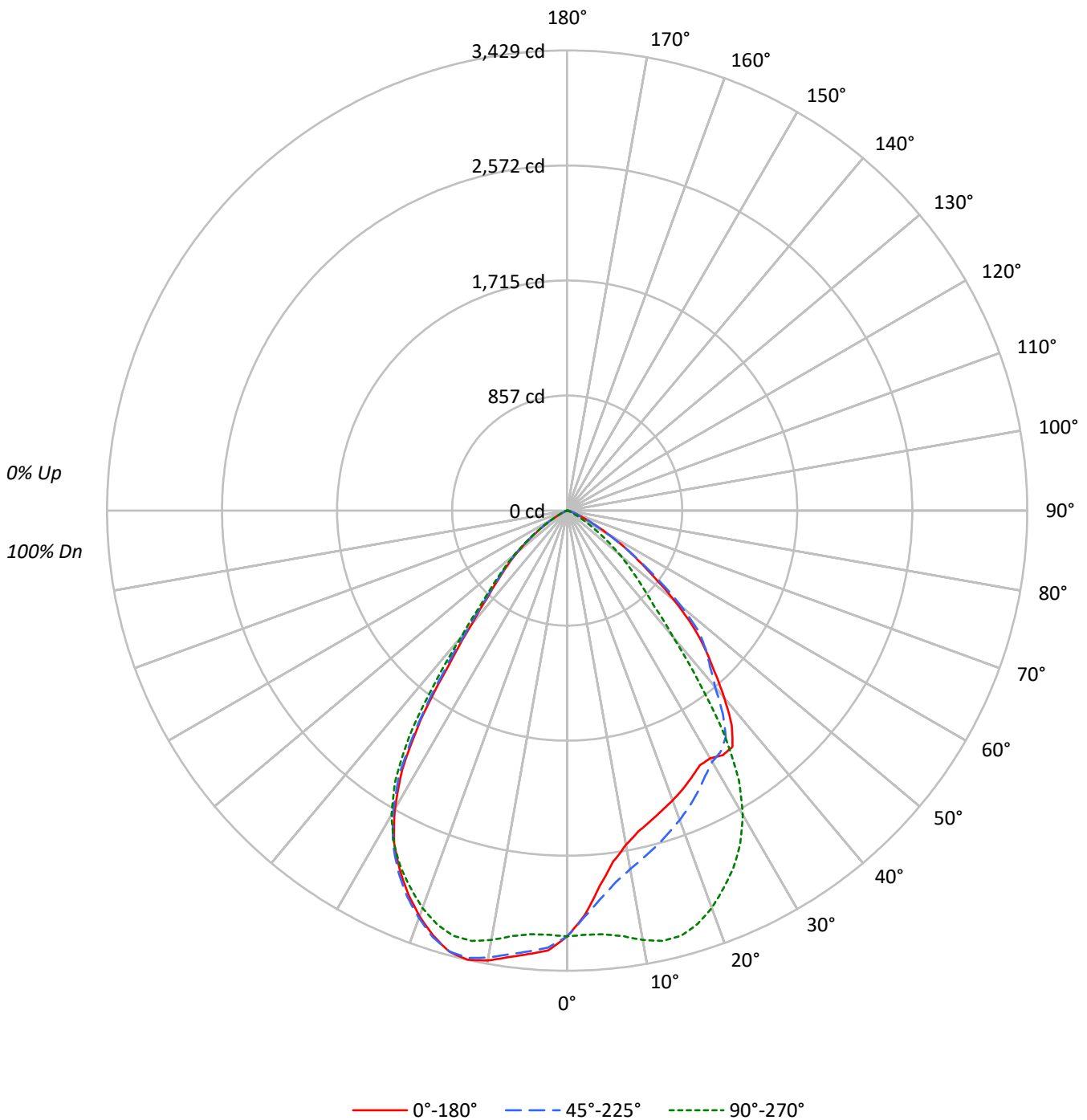
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P250910

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0LI

Luminous Intensity Polar Plot





TEST NUMBER: P250910

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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 | 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° | 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: P250910

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0LI

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 295.7 | 6.1 |
| 10°-20° | 854.2 | 17.6 |
| 20°-30° | 1239.7 | 25.5 |
| 30°-40° | 1221.0 | 25.1 |
| 40°-50° | 765.4 | 15.8 |
| 50°-60° | 369.3 | 7.6 |
| 60°-70° | 89.4 | 1.8 |
| 70°-80° | 18.1 | 0.4 |
| 80°-90° | 4.1 | 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° | 2389.6 | 49.2 |
| 0°-40° | 3610.7 | 74.3 |
| 0°-60° | 4745.4 | 97.7 |
| 0°-90° | 4857.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4857.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3173 | 3173 | 3173 | 3173 | 3173 | |
| 5° | 2804 | 2900 | 3169 | 3297 | 3317 | 260 |
| 15° | 2396 | 2584 | 3280 | 3400 | 3402 | 677 |
| 25° | 2194 | 2308 | 2934 | 2975 | 2953 | 1015 |
| 35° | 2148 | 2061 | 2048 | 1932 | 1900 | 1300 |
| 45° | 1451 | 1461 | 774 | 742 | 721 | 1109 |
| 55° | 644 | 665 | 282 | 278 | 265 | 593 |
| 65° | 151 | 149 | 42 | 36 | 32 | 172 |
| 75° | 37 | 32 | 9 | 4 | 3 | 41 |
| 85° | 11 | 8 | 2 | 0 | 0 | 11 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P250910

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 |
| 2.5° | 3016.2 | 2997.1 | 2961.2 | 3004.6 | 3004.6 | 2980.4 | 3028.8 | 2999.6 | 3022.9 | 3059.6 | 3027.1 |
| 5° | 2804.5 | 2788.7 | 2758.6 | 2804.5 | 2810.3 | 2787.8 | 2846.2 | 2824.5 | 2858.7 | 2903.7 | 2899.5 |
| 7.5° | 2636.9 | 2616.9 | 2589.4 | 2636.9 | 2646.1 | 2631.1 | 2686.9 | 2676.9 | 2722.0 | 2780.3 | 2790.3 |
| 10° | 2527.7 | 2506.9 | 2482.7 | 2526.0 | 2532.7 | 2522.7 | 2579.4 | 2573.6 | 2617.7 | 2685.3 | 2712.0 |
| 12.5° | 2450.2 | 2432.7 | 2406.0 | 2451.8 | 2459.4 | 2445.2 | 2498.5 | 2496.0 | 2541.9 | 2612.7 | 2646.1 |
| 15° | 2396.0 | 2375.1 | 2351.0 | 2390.2 | 2400.2 | 2384.3 | 2435.2 | 2430.2 | 2476.9 | 2546.9 | 2584.4 |
| 17.5° | 2345.1 | 2326.0 | 2301.0 | 2337.6 | 2347.6 | 2331.0 | 2381.0 | 2372.6 | 2412.7 | 2479.4 | 2517.7 |
| 20° | 2297.6 | 2276.8 | 2254.3 | 2291.8 | 2297.6 | 2278.4 | 2328.5 | 2317.6 | 2353.5 | 2415.2 | 2452.7 |
| 22.5° | 2248.4 | 2226.8 | 2203.4 | 2240.1 | 2245.9 | 2226.8 | 2272.6 | 2260.1 | 2293.4 | 2349.3 | 2383.5 |
| 25° | 2194.2 | 2174.2 | 2150.9 | 2185.1 | 2190.1 | 2169.2 | 2217.6 | 2201.7 | 2230.9 | 2280.1 | 2308.5 |
| 27.5° | 2140.1 | 2120.9 | 2095.0 | 2130.0 | 2132.5 | 2112.5 | 2156.7 | 2135.1 | 2159.2 | 2204.2 | 2228.4 |
| 30° | 2130.9 | 2109.2 | 2082.5 | 2110.9 | 2111.7 | 2085.9 | 2127.5 | 2101.7 | 2115.0 | 2148.4 | 2162.6 |
| 32.5° | 2160.1 | 2138.4 | 2110.9 | 2134.2 | 2131.7 | 2103.4 | 2143.4 | 2111.7 | 2115.9 | 2133.4 | 2130.0 |
| 35° | 2148.4 | 2122.5 | 2090.0 | 2115.0 | 2115.0 | 2080.9 | 2120.9 | 2083.4 | 2079.2 | 2081.7 | 2060.9 |
| 37.5° | 2015.8 | 1995.8 | 1965.0 | 1989.2 | 1986.7 | 1960.8 | 1991.7 | 1960.8 | 1946.6 | 1940.8 | 1903.3 |
| 40° | 1820.8 | 1796.6 | 1773.2 | 1799.1 | 1801.6 | 1774.1 | 1814.1 | 1779.1 | 1774.9 | 1758.2 | 1714.0 |
| 42.5° | 1623.2 | 1614.8 | 1592.3 | 1614.0 | 1625.7 | 1602.3 | 1635.7 | 1619.0 | 1621.5 | 1617.3 | 1575.7 |
| 45° | 1450.6 | 1436.4 | 1419.8 | 1444.8 | 1452.3 | 1440.6 | 1473.9 | 1463.9 | 1473.9 | 1494.8 | 1460.6 |
| 47.5° | 1264.7 | 1250.5 | 1232.2 | 1258.9 | 1272.2 | 1250.5 | 1278.9 | 1275.5 | 1290.5 | 1326.4 | 1323.0 |
| 50° | 1040.4 | 1030.4 | 1027.1 | 1030.4 | 1038.8 | 1028.8 | 1048.8 | 1049.6 | 1059.6 | 1108.8 | 1112.1 |
| 52.5° | 823.7 | 821.2 | 809.5 | 820.3 | 820.3 | 804.5 | 824.5 | 815.3 | 825.3 | 858.7 | 880.4 |
| 55° | 644.4 | 641.9 | 634.4 | 644.4 | 633.6 | 627.8 | 633.6 | 624.4 | 616.9 | 642.8 | 665.3 |
| 57.5° | 501.9 | 493.5 | 484.4 | 488.5 | 487.7 | 475.2 | 481.9 | 471.0 | 465.2 | 474.4 | 494.4 |
| 60° | 357.6 | 355.1 | 346.8 | 351.0 | 354.3 | 345.1 | 351.8 | 346.8 | 336.8 | 344.3 | 345.1 |
| 62.5° | 237.6 | 239.3 | 234.3 | 235.1 | 232.6 | 230.9 | 235.1 | 237.6 | 235.1 | 231.8 | 232.6 |
| 65° | 150.9 | 150.1 | 149.2 | 150.1 | 151.7 | 148.4 | 150.9 | 152.6 | 150.1 | 150.1 | 149.2 |
| 67.5° | 100.0 | 97.5 | 95.0 | 96.7 | 98.4 | 95.9 | 98.4 | 97.5 | 98.4 | 97.5 | 95.0 |
| 70° | 67.5 | 66.7 | 65.9 | 66.7 | 66.7 | 65.0 | 66.7 | 65.9 | 66.7 | 65.9 | 63.4 |
| 72.5° | 49.2 | 49.2 | 48.4 | 49.2 | 49.2 | 47.5 | 48.4 | 46.7 | 47.5 | 46.7 | 45.0 |
| 75° | 36.7 | 36.7 | 35.8 | 36.7 | 35.8 | 35.0 | 35.8 | 35.0 | 33.3 | 33.3 | 31.7 |
| 77.5° | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 25.8 | 25.8 | 25.0 | 24.2 | 23.3 | 23.3 |
| 80° | 20.0 | 19.2 | 19.2 | 19.2 | 19.2 | 18.3 | 19.2 | 18.3 | 17.5 | 16.7 | 15.8 |
| 82.5° | 14.2 | 15.0 | 14.2 | 14.2 | 14.2 | 13.3 | 14.2 | 13.3 | 13.3 | 12.5 | 10.8 |
| 85° | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.0 | 10.0 | 10.0 | 9.2 | 9.2 | 8.3 |
| 87.5° | 5.8 | 5.8 | 5.8 | 6.7 | 5.8 | 5.8 | 5.8 | 5.0 | 5.0 | 4.2 | 4.2 |
| 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: P250910

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 |
| 2.5° | 3070.4 | 3074.6 | 3065.4 | 3079.6 | 3134.6 | 3090.4 | 3108.8 | 3114.6 | 3156.3 | 3163.8 | 3158.8 |
| 5° | 2953.7 | 2972.1 | 2983.7 | 3015.4 | 3076.3 | 3044.6 | 3077.1 | 3097.9 | 3151.3 | 3168.8 | 3173.0 |
| 7.5° | 2862.0 | 2900.4 | 2928.7 | 2980.4 | 3052.1 | 3027.9 | 3077.1 | 3111.3 | 3176.3 | 3198.8 | 3209.7 |
| 10° | 2793.7 | 2852.0 | 2901.2 | 2972.1 | 3052.9 | 3037.1 | 3101.3 | 3149.6 | 3222.2 | 3248.8 | 3262.2 |
| 12.5° | 2742.0 | 2812.8 | 2878.7 | 2968.7 | 3056.3 | 3048.8 | 3126.3 | 3181.3 | 3258.0 | 3284.7 | 3300.5 |
| 15° | 2685.3 | 2767.0 | 2843.7 | 2944.6 | 3038.8 | 3037.1 | 3120.5 | 3178.8 | 3257.2 | 3279.7 | 3294.7 |
| 17.5° | 2617.7 | 2705.3 | 2789.5 | 2898.7 | 2992.1 | 2993.7 | 3077.9 | 3135.5 | 3212.2 | 3230.5 | 3240.5 |
| 20° | 2549.4 | 2636.1 | 2720.3 | 2832.8 | 2924.5 | 2927.0 | 3009.6 | 3062.9 | 3136.3 | 3151.3 | 3153.8 |
| 22.5° | 2476.9 | 2557.7 | 2641.9 | 2753.6 | 2842.0 | 2843.7 | 2925.4 | 2975.4 | 3037.9 | 3045.4 | 3052.1 |
| 25° | 2394.3 | 2473.5 | 2552.7 | 2663.6 | 2747.8 | 2752.8 | 2827.0 | 2871.2 | 2928.7 | 2934.5 | 2937.0 |
| 27.5° | 2308.5 | 2373.5 | 2449.3 | 2544.4 | 2629.4 | 2626.1 | 2696.1 | 2746.1 | 2797.8 | 2794.5 | 2793.7 |
| 30° | 2221.8 | 2275.9 | 2322.6 | 2414.3 | 2476.9 | 2479.4 | 2545.2 | 2569.4 | 2623.6 | 2616.9 | 2616.1 |
| 32.5° | 2160.9 | 2175.1 | 2187.6 | 2234.3 | 2293.4 | 2272.6 | 2317.6 | 2347.6 | 2385.2 | 2382.7 | 2383.5 |
| 35° | 2049.2 | 2023.3 | 1985.8 | 1992.5 | 2028.3 | 1995.8 | 2020.0 | 2019.2 | 2057.5 | 2048.3 | 2059.2 |
| 37.5° | 1858.3 | 1784.9 | 1701.5 | 1654.0 | 1660.7 | 1619.8 | 1611.5 | 1631.5 | 1644.8 | 1619.0 | 1628.2 |
| 40° | 1654.9 | 1546.5 | 1416.4 | 1308.0 | 1302.2 | 1251.4 | 1242.2 | 1222.2 | 1248.0 | 1226.3 | 1233.0 |
| 42.5° | 1504.8 | 1361.4 | 1190.5 | 1058.8 | 1030.4 | 987.9 | 962.9 | 959.6 | 967.1 | 952.1 | 947.9 |
| 45° | 1389.7 | 1237.2 | 1041.3 | 890.4 | 858.7 | 812.8 | 787.8 | 778.7 | 779.5 | 774.5 | 770.3 |
| 47.5° | 1254.7 | 1101.3 | 902.9 | 748.6 | 712.8 | 669.4 | 644.4 | 638.6 | 641.9 | 635.3 | 630.3 |
| 50° | 1067.9 | 930.4 | 749.5 | 608.6 | 576.9 | 545.2 | 525.2 | 519.4 | 518.5 | 513.5 | 510.2 |
| 52.5° | 867.0 | 752.8 | 596.1 | 478.5 | 450.2 | 419.3 | 405.2 | 397.7 | 398.5 | 393.5 | 388.5 |
| 55° | 671.1 | 600.2 | 461.9 | 361.8 | 336.0 | 311.8 | 298.5 | 289.3 | 286.8 | 281.8 | 279.3 |
| 57.5° | 499.4 | 451.9 | 346.0 | 260.9 | 245.9 | 222.6 | 209.3 | 198.4 | 196.7 | 194.2 | 193.4 |
| 60° | 350.1 | 316.0 | 243.4 | 185.9 | 168.4 | 154.2 | 140.9 | 130.1 | 125.1 | 124.2 | 121.7 |
| 62.5° | 226.8 | 205.9 | 160.1 | 124.2 | 110.9 | 100.9 | 87.5 | 80.0 | 76.7 | 73.4 | 74.2 |
| 65° | 140.9 | 125.1 | 100.0 | 80.0 | 72.5 | 65.0 | 55.0 | 48.4 | 45.0 | 41.7 | 42.5 |
| 67.5° | 87.5 | 78.4 | 63.4 | 51.7 | 46.7 | 40.9 | 33.3 | 28.3 | 25.8 | 23.3 | 21.7 |
| 70° | 59.2 | 50.9 | 43.4 | 36.7 | 33.3 | 29.2 | 24.2 | 20.0 | 18.3 | 16.7 | 15.0 |
| 72.5° | 41.7 | 37.5 | 31.7 | 27.5 | 25.0 | 21.7 | 18.3 | 15.8 | 14.2 | 12.5 | 10.8 |
| 75° | 30.0 | 26.7 | 23.3 | 20.0 | 18.3 | 16.7 | 14.2 | 12.5 | 10.8 | 9.2 | 7.5 |
| 77.5° | 21.7 | 19.2 | 16.7 | 15.0 | 14.2 | 11.7 | 10.0 | 9.2 | 8.3 | 6.7 | 5.0 |
| 80° | 15.0 | 13.3 | 10.8 | 10.0 | 10.0 | 8.3 | 7.5 | 6.7 | 5.8 | 4.2 | 3.3 |
| 82.5° | 10.0 | 9.2 | 8.3 | 7.5 | 6.7 | 5.8 | 5.8 | 4.2 | 3.3 | 2.5 | 1.7 |
| 85° | 7.5 | 6.7 | 5.8 | 5.0 | 5.0 | 4.2 | 3.3 | 2.5 | 2.5 | 1.7 | 0.8 |
| 87.5° | 4.2 | 4.2 | 3.3 | 2.5 | 2.5 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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: P250910

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSWOLI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 |
| 2.5° | 3201.3 | 3203.8 | 3218.0 | 3207.2 | 3234.7 | 3254.7 | 3244.7 | 3267.2 | 3259.7 | 3258.0 | 3283.9 |
| 5° | 3223.0 | 3228.8 | 3248.0 | 3238.0 | 3268.0 | 3289.7 | 3279.7 | 3304.7 | 3297.2 | 3295.5 | 3322.2 |
| 7.5° | 3264.7 | 3270.5 | 3287.2 | 3278.9 | 3310.5 | 3329.7 | 3317.2 | 3344.7 | 3334.7 | 3333.9 | 3359.7 |
| 10° | 3317.2 | 3325.5 | 3339.7 | 3331.4 | 3360.6 | 3377.2 | 3364.7 | 3391.4 | 3382.2 | 3378.1 | 3406.4 |
| 12.5° | 3356.4 | 3362.2 | 3376.4 | 3369.7 | 3398.1 | 3410.6 | 3399.7 | 3425.6 | 3413.9 | 3410.6 | 3435.6 |
| 15° | 3347.2 | 3353.1 | 3364.7 | 3358.9 | 3385.6 | 3397.2 | 3383.1 | 3411.4 | 3399.7 | 3393.1 | 3415.6 |
| 17.5° | 3288.9 | 3292.2 | 3300.5 | 3294.7 | 3323.0 | 3330.5 | 3314.7 | 3343.0 | 3332.2 | 3320.5 | 3342.2 |
| 20° | 3203.0 | 3201.3 | 3206.3 | 3203.8 | 3227.2 | 3231.3 | 3221.3 | 3242.2 | 3229.7 | 3223.0 | 3235.5 |
| 22.5° | 3096.3 | 3094.6 | 3097.9 | 3091.3 | 3114.6 | 3117.1 | 3102.1 | 3127.1 | 3114.6 | 3102.1 | 3123.0 |
| 25° | 2977.9 | 2968.7 | 2967.1 | 2969.6 | 2985.4 | 2987.9 | 2972.1 | 2990.4 | 2974.6 | 2964.6 | 2984.6 |
| 27.5° | 2832.0 | 2820.3 | 2817.8 | 2820.3 | 2836.2 | 2824.5 | 2811.2 | 2824.5 | 2808.7 | 2799.5 | 2812.0 |
| 30° | 2651.9 | 2635.3 | 2627.8 | 2622.8 | 2639.4 | 2635.3 | 2604.4 | 2619.4 | 2594.4 | 2581.1 | 2590.2 |
| 32.5° | 2409.3 | 2400.2 | 2380.2 | 2368.5 | 2384.3 | 2352.6 | 2333.5 | 2333.5 | 2323.5 | 2301.0 | 2306.0 |
| 35° | 2072.5 | 2058.4 | 2040.0 | 2030.0 | 2032.5 | 1990.0 | 1958.3 | 1965.0 | 1931.6 | 1925.8 | 1928.3 |
| 37.5° | 1646.5 | 1623.2 | 1616.5 | 1595.7 | 1600.7 | 1563.1 | 1519.8 | 1520.6 | 1503.1 | 1484.8 | 1478.9 |
| 40° | 1237.2 | 1233.0 | 1226.3 | 1208.8 | 1215.5 | 1174.7 | 1158.0 | 1158.8 | 1147.1 | 1133.8 | 1140.5 |
| 42.5° | 956.2 | 942.9 | 938.7 | 932.9 | 934.6 | 927.9 | 906.2 | 908.7 | 898.7 | 895.4 | 892.0 |
| 45° | 777.0 | 762.8 | 752.8 | 757.8 | 757.8 | 750.3 | 742.0 | 747.0 | 742.0 | 735.3 | 738.6 |
| 47.5° | 640.3 | 626.9 | 621.9 | 621.1 | 626.9 | 621.9 | 613.6 | 615.3 | 614.4 | 611.9 | 610.3 |
| 50° | 511.0 | 507.7 | 503.5 | 501.0 | 503.5 | 501.9 | 494.4 | 498.5 | 501.0 | 492.7 | 495.2 |
| 52.5° | 389.3 | 389.3 | 388.5 | 382.7 | 387.7 | 382.7 | 381.8 | 383.5 | 381.0 | 377.7 | 376.8 |
| 55° | 285.1 | 282.6 | 278.4 | 277.6 | 279.3 | 277.6 | 275.9 | 276.8 | 278.4 | 270.1 | 270.1 |
| 57.5° | 195.1 | 193.4 | 190.9 | 190.9 | 194.2 | 190.1 | 187.6 | 190.9 | 187.6 | 184.2 | 184.2 |
| 60° | 125.1 | 124.2 | 121.7 | 121.7 | 121.7 | 120.9 | 118.4 | 119.2 | 120.9 | 115.9 | 116.7 |
| 62.5° | 75.0 | 72.5 | 71.7 | 70.9 | 71.7 | 70.9 | 70.9 | 70.0 | 69.2 | 69.2 | 66.7 |
| 65° | 40.9 | 39.2 | 37.5 | 38.3 | 38.3 | 37.5 | 37.5 | 37.5 | 35.8 | 35.0 | 34.2 |
| 67.5° | 20.8 | 19.2 | 19.2 | 18.3 | 18.3 | 18.3 | 18.3 | 17.5 | 17.5 | 17.5 | 16.7 |
| 70° | 13.3 | 12.5 | 11.7 | 11.7 | 11.7 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.0 |
| 72.5° | 9.2 | 8.3 | 7.5 | 7.5 | 7.5 | 6.7 | 6.7 | 6.7 | 6.7 | 5.8 | 5.8 |
| 75° | 6.7 | 5.8 | 5.0 | 5.0 | 5.0 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 77.5° | 4.2 | 3.3 | 3.3 | 3.3 | 3.3 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.7 |
| 80° | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 82.5° | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 |
| 85° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.8 | 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: P250910

CATALOG NUMBER: LD8B60D010 ER8B609730 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 | 3173.0 |
| 2.5° | 3274.7 | 3268.0 | 3272.2 | 3303.0 | 3289.7 | 3285.5 | 3250.5 | 3281.4 |
| 5° | 3313.9 | 3308.9 | 3308.9 | 3343.9 | 3328.0 | 3324.7 | 3290.5 | 3317.2 |
| 7.5° | 3350.6 | 3345.6 | 3346.4 | 3382.2 | 3369.7 | 3364.7 | 3330.5 | 3357.2 |
| 10° | 3398.1 | 3394.7 | 3395.6 | 3429.8 | 3416.4 | 3411.4 | 3376.4 | 3403.9 |
| 12.5° | 3426.4 | 3421.4 | 3421.4 | 3458.1 | 3443.1 | 3435.6 | 3402.2 | 3428.9 |
| 15° | 3404.7 | 3397.2 | 3397.2 | 3433.9 | 3417.2 | 3406.4 | 3377.2 | 3402.2 |
| 17.5° | 3330.5 | 3323.0 | 3323.0 | 3354.7 | 3342.2 | 3326.4 | 3296.4 | 3319.7 |
| 20° | 3227.2 | 3218.0 | 3215.5 | 3252.2 | 3234.7 | 3220.5 | 3193.8 | 3216.3 |
| 22.5° | 3110.5 | 3106.3 | 3098.8 | 3135.5 | 3119.6 | 3104.6 | 3076.3 | 3093.8 |
| 25° | 2970.4 | 2963.7 | 2956.2 | 2992.1 | 2976.2 | 2961.2 | 2938.7 | 2952.9 |
| 27.5° | 2796.2 | 2797.0 | 2792.8 | 2821.2 | 2805.3 | 2797.0 | 2769.5 | 2792.8 |
| 30° | 2585.2 | 2576.1 | 2572.7 | 2606.1 | 2591.1 | 2580.2 | 2546.1 | 2568.6 |
| 32.5° | 2310.1 | 2296.8 | 2279.3 | 2316.8 | 2290.9 | 2281.8 | 2252.6 | 2285.1 |
| 35° | 1910.0 | 1905.8 | 1889.9 | 1921.6 | 1907.5 | 1890.8 | 1872.4 | 1900.0 |
| 37.5° | 1476.4 | 1479.8 | 1478.1 | 1486.4 | 1478.1 | 1467.3 | 1447.3 | 1437.3 |
| 40° | 1127.1 | 1118.8 | 1112.1 | 1127.1 | 1109.6 | 1109.6 | 1098.0 | 1110.5 |
| 42.5° | 883.7 | 880.4 | 888.7 | 892.0 | 882.0 | 880.4 | 878.7 | 877.9 |
| 45° | 729.5 | 729.5 | 731.1 | 734.5 | 731.1 | 729.5 | 724.5 | 721.1 |
| 47.5° | 601.1 | 604.4 | 601.1 | 611.9 | 606.1 | 604.4 | 594.4 | 598.6 |
| 50° | 486.9 | 482.7 | 486.9 | 490.2 | 491.0 | 486.0 | 481.0 | 483.5 |
| 52.5° | 377.7 | 371.0 | 369.3 | 374.3 | 371.0 | 371.0 | 367.7 | 366.8 |
| 55° | 265.9 | 268.4 | 264.3 | 268.4 | 266.8 | 264.3 | 261.8 | 265.1 |
| 57.5° | 180.1 | 180.9 | 179.2 | 181.7 | 177.6 | 178.4 | 177.6 | 176.7 |
| 60° | 116.7 | 113.4 | 113.4 | 115.9 | 111.7 | 111.7 | 110.9 | 110.9 |
| 62.5° | 66.7 | 65.9 | 65.9 | 65.0 | 64.2 | 64.2 | 64.2 | 62.5 |
| 65° | 34.2 | 33.3 | 32.5 | 32.5 | 32.5 | 32.5 | 31.7 | 31.7 |
| 67.5° | 16.7 | 15.8 | 15.8 | 16.7 | 15.8 | 15.8 | 15.8 | 15.8 |
| 70° | 10.0 | 10.0 | 9.2 | 10.0 | 9.2 | 9.2 | 9.2 | 9.2 |
| 72.5° | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 | 5.8 |
| 75° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 77.5° | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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)