

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: P244157

Luminaire Tested: **LD8B50D010 ER8B509730 8LBSWOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244157
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: LD8B50D010 ER8B509730 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: 4287.0 lumens
Efficiency: N/A
Efficacy: 80.9 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

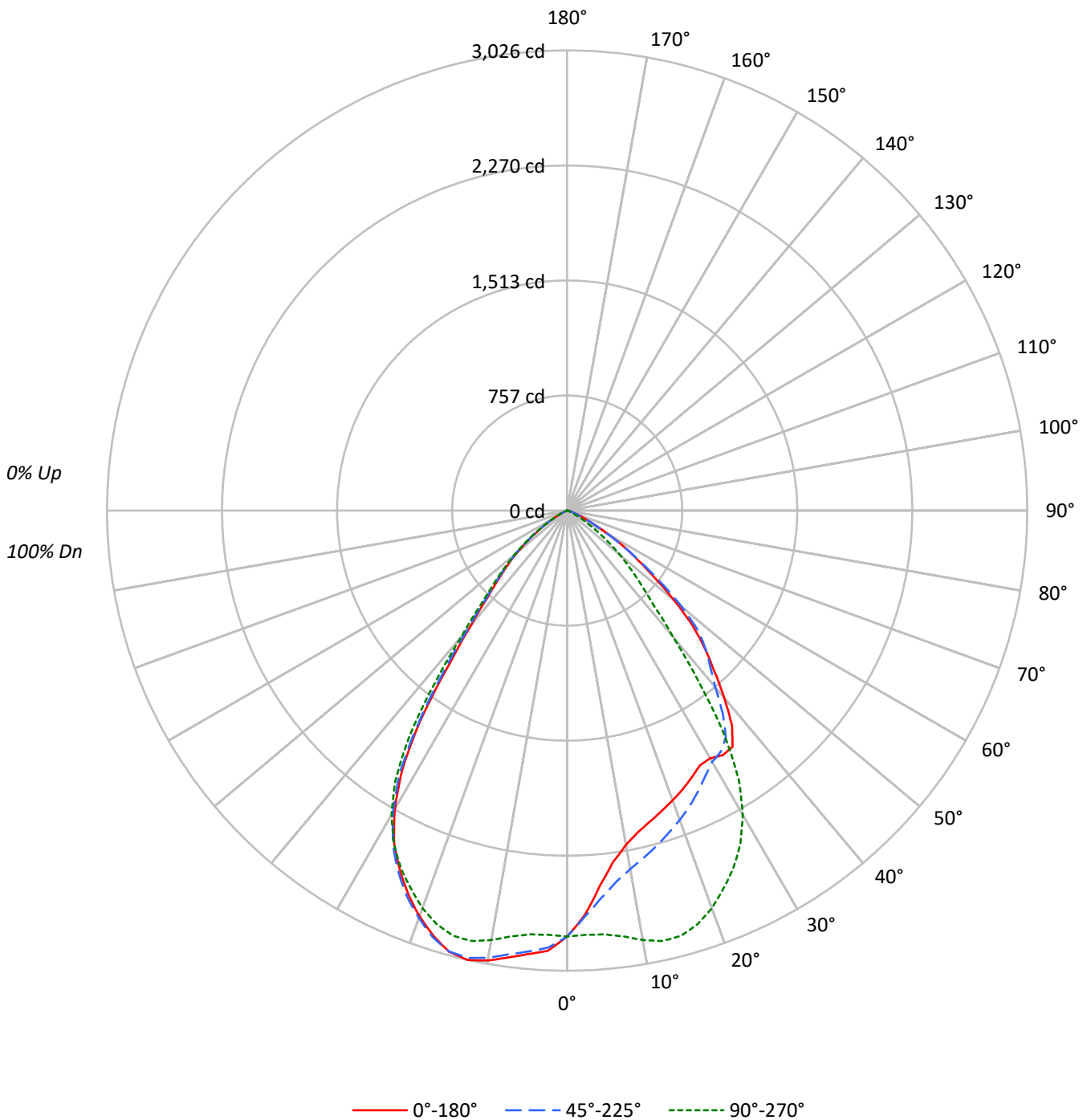
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244157

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Luminous Intensity Polar Plot





TEST NUMBER: P244157

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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: P244157

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 261.0 | 6.1 |
| 10°-20° | 753.9 | 17.6 |
| 20°-30° | 1094.3 | 25.5 |
| 30°-40° | 1077.7 | 25.1 |
| 40°-50° | 675.6 | 15.8 |
| 50°-60° | 326.0 | 7.6 |
| 60°-70° | 78.9 | 1.8 |
| 70°-80° | 15.9 | 0.4 |
| 80°-90° | 3.7 | 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° | 2109.2 | 49.2 |
| 0°-40° | 3186.9 | 74.3 |
| 0°-60° | 4188.5 | 97.7 |
| 0°-90° | 4287.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4287.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2801 | 2801 | 2801 | 2801 | 2801 | |
| 5° | 2475 | 2559 | 2797 | 2910 | 2928 | 229 |
| 15° | 2115 | 2281 | 2895 | 3001 | 3003 | 598 |
| 25° | 1937 | 2038 | 2590 | 2626 | 2606 | 896 |
| 35° | 1896 | 1819 | 1808 | 1705 | 1677 | 1147 |
| 45° | 1280 | 1289 | 684 | 655 | 636 | 979 |
| 55° | 569 | 587 | 249 | 246 | 234 | 523 |
| 65° | 133 | 132 | 37 | 32 | 28 | 152 |
| 75° | 32 | 28 | 8 | 4 | 3 | 36 |
| 85° | 10 | 7 | 2 | 0 | 0 | 10 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 |
| 2.5° | 2662.3 | 2645.3 | 2613.7 | 2652.0 | 2652.0 | 2630.6 | 2673.3 | 2647.6 | 2668.2 | 2700.5 | 2671.8 |
| 5° | 2475.4 | 2461.4 | 2434.9 | 2475.4 | 2480.5 | 2460.7 | 2512.2 | 2493.0 | 2523.2 | 2562.9 | 2559.3 |
| 7.5° | 2327.5 | 2309.8 | 2285.5 | 2327.5 | 2335.6 | 2322.3 | 2371.6 | 2362.8 | 2402.5 | 2454.0 | 2462.9 |
| 10° | 2231.1 | 2212.7 | 2191.3 | 2229.6 | 2235.5 | 2226.7 | 2276.7 | 2271.5 | 2310.5 | 2370.1 | 2393.7 |
| 12.5° | 2162.6 | 2147.2 | 2123.6 | 2164.1 | 2170.7 | 2158.2 | 2205.3 | 2203.1 | 2243.6 | 2306.1 | 2335.6 |
| 15° | 2114.8 | 2096.4 | 2075.1 | 2109.7 | 2118.5 | 2104.5 | 2149.4 | 2145.0 | 2186.2 | 2248.0 | 2281.1 |
| 17.5° | 2069.9 | 2053.0 | 2030.9 | 2063.3 | 2072.1 | 2057.4 | 2101.6 | 2094.2 | 2129.5 | 2188.4 | 2222.2 |
| 20° | 2028.0 | 2009.6 | 1989.7 | 2022.8 | 2028.0 | 2011.1 | 2055.2 | 2045.6 | 2077.3 | 2131.7 | 2164.8 |
| 22.5° | 1984.6 | 1965.4 | 1944.8 | 1977.2 | 1982.4 | 1965.4 | 2005.9 | 1994.9 | 2024.3 | 2073.6 | 2103.8 |
| 25° | 1936.7 | 1919.1 | 1898.5 | 1928.6 | 1933.1 | 1914.7 | 1957.3 | 1943.4 | 1969.1 | 2012.5 | 2037.5 |
| 27.5° | 1888.9 | 1872.0 | 1849.2 | 1880.1 | 1882.3 | 1864.6 | 1903.6 | 1884.5 | 1905.8 | 1945.6 | 1966.9 |
| 30° | 1880.8 | 1861.7 | 1838.1 | 1863.1 | 1863.9 | 1841.1 | 1877.9 | 1855.1 | 1866.8 | 1896.3 | 1908.8 |
| 32.5° | 1906.6 | 1887.4 | 1863.1 | 1883.8 | 1881.5 | 1856.5 | 1891.8 | 1863.9 | 1867.6 | 1883.0 | 1880.1 |
| 35° | 1896.3 | 1873.5 | 1844.8 | 1866.8 | 1866.8 | 1836.7 | 1872.0 | 1838.9 | 1835.2 | 1837.4 | 1819.0 |
| 37.5° | 1779.3 | 1761.6 | 1734.4 | 1755.7 | 1753.5 | 1730.7 | 1757.9 | 1730.7 | 1718.2 | 1713.0 | 1679.9 |
| 40° | 1607.1 | 1585.7 | 1565.1 | 1587.9 | 1590.2 | 1565.9 | 1601.2 | 1570.3 | 1566.6 | 1551.9 | 1512.9 |
| 42.5° | 1432.7 | 1425.3 | 1405.5 | 1424.6 | 1434.9 | 1414.3 | 1443.7 | 1429.0 | 1431.2 | 1427.5 | 1390.7 |
| 45° | 1280.4 | 1267.9 | 1253.1 | 1275.2 | 1281.8 | 1271.5 | 1301.0 | 1292.1 | 1301.0 | 1319.4 | 1289.2 |
| 47.5° | 1116.3 | 1103.8 | 1087.6 | 1111.1 | 1122.9 | 1103.8 | 1128.8 | 1125.8 | 1139.1 | 1170.7 | 1167.8 |
| 50° | 918.3 | 909.5 | 906.6 | 909.5 | 916.9 | 908.0 | 925.7 | 926.4 | 935.3 | 978.7 | 981.6 |
| 52.5° | 727.0 | 724.8 | 714.5 | 724.1 | 724.1 | 710.1 | 727.7 | 719.7 | 728.5 | 757.9 | 777.0 |
| 55° | 568.8 | 566.6 | 560.0 | 568.8 | 559.2 | 554.1 | 559.2 | 551.1 | 544.5 | 567.3 | 587.2 |
| 57.5° | 443.0 | 435.6 | 427.5 | 431.2 | 430.5 | 419.4 | 425.3 | 415.8 | 410.6 | 418.7 | 436.4 |
| 60° | 315.7 | 313.5 | 306.1 | 309.8 | 312.7 | 304.6 | 310.5 | 306.1 | 297.3 | 303.9 | 304.6 |
| 62.5° | 209.7 | 211.2 | 206.8 | 207.5 | 205.3 | 203.8 | 207.5 | 209.7 | 207.5 | 204.6 | 205.3 |
| 65° | 133.2 | 132.5 | 131.7 | 132.5 | 133.9 | 131.0 | 133.2 | 134.7 | 132.5 | 132.5 | 131.7 |
| 67.5° | 88.3 | 86.1 | 83.9 | 85.4 | 86.8 | 84.6 | 86.8 | 86.1 | 86.8 | 86.1 | 83.9 |
| 70° | 59.6 | 58.9 | 58.1 | 58.9 | 58.9 | 57.4 | 58.9 | 58.1 | 58.9 | 58.1 | 55.9 |
| 72.5° | 43.4 | 43.4 | 42.7 | 43.4 | 43.4 | 41.9 | 42.7 | 41.2 | 41.9 | 41.2 | 39.7 |
| 75° | 32.4 | 32.4 | 31.6 | 32.4 | 31.6 | 30.9 | 31.6 | 30.9 | 29.4 | 29.4 | 28.0 |
| 77.5° | 23.5 | 23.5 | 23.5 | 23.5 | 23.5 | 22.8 | 22.8 | 22.1 | 21.3 | 20.6 | 20.6 |
| 80° | 17.7 | 16.9 | 16.9 | 16.9 | 16.9 | 16.2 | 16.9 | 16.2 | 15.5 | 14.7 | 14.0 |
| 82.5° | 12.5 | 13.2 | 12.5 | 12.5 | 12.5 | 11.8 | 12.5 | 11.8 | 11.8 | 11.0 | 9.6 |
| 85° | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 8.8 | 8.8 | 8.8 | 8.1 | 8.1 | 7.4 |
| 87.5° | 5.2 | 5.2 | 5.2 | 5.9 | 5.2 | 5.2 | 5.2 | 4.4 | 4.4 | 3.7 | 3.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 |
| 2.5° | 2710.1 | 2713.8 | 2705.7 | 2718.2 | 2766.8 | 2727.8 | 2744.0 | 2749.1 | 2785.9 | 2792.5 | 2788.1 |
| 5° | 2607.1 | 2623.3 | 2633.6 | 2661.5 | 2715.3 | 2687.3 | 2716.0 | 2734.4 | 2781.5 | 2796.9 | 2800.6 |
| 7.5° | 2526.1 | 2560.0 | 2585.0 | 2630.6 | 2693.9 | 2672.6 | 2716.0 | 2746.2 | 2803.6 | 2823.4 | 2833.0 |
| 10° | 2465.8 | 2517.3 | 2560.7 | 2623.3 | 2694.6 | 2680.7 | 2737.3 | 2780.0 | 2844.0 | 2867.6 | 2879.3 |
| 12.5° | 2420.2 | 2482.7 | 2540.9 | 2620.3 | 2697.6 | 2691.0 | 2759.4 | 2808.0 | 2875.7 | 2899.2 | 2913.2 |
| 15° | 2370.1 | 2442.3 | 2510.0 | 2599.0 | 2682.1 | 2680.7 | 2754.3 | 2805.8 | 2874.9 | 2894.8 | 2908.0 |
| 17.5° | 2310.5 | 2387.8 | 2462.1 | 2558.5 | 2640.9 | 2642.4 | 2716.7 | 2767.5 | 2835.2 | 2851.4 | 2860.2 |
| 20° | 2250.2 | 2326.7 | 2401.0 | 2500.4 | 2581.3 | 2583.5 | 2656.4 | 2703.5 | 2768.2 | 2781.5 | 2783.7 |
| 22.5° | 2186.2 | 2257.6 | 2331.9 | 2430.5 | 2508.5 | 2510.0 | 2582.1 | 2626.2 | 2681.4 | 2688.0 | 2693.9 |
| 25° | 2113.3 | 2183.2 | 2253.1 | 2351.0 | 2425.3 | 2429.7 | 2495.2 | 2534.2 | 2585.0 | 2590.2 | 2592.4 |
| 27.5° | 2037.5 | 2094.9 | 2161.9 | 2245.8 | 2320.8 | 2317.9 | 2379.7 | 2423.9 | 2469.5 | 2466.5 | 2465.8 |
| 30° | 1961.0 | 2008.8 | 2050.1 | 2131.0 | 2186.2 | 2188.4 | 2246.5 | 2267.9 | 2315.7 | 2309.8 | 2309.1 |
| 32.5° | 1907.3 | 1919.8 | 1930.8 | 1972.1 | 2024.3 | 2005.9 | 2045.6 | 2072.1 | 2105.2 | 2103.0 | 2103.8 |
| 35° | 1808.7 | 1785.9 | 1752.8 | 1758.7 | 1790.3 | 1761.6 | 1782.9 | 1782.2 | 1816.1 | 1808.0 | 1817.5 |
| 37.5° | 1640.2 | 1575.4 | 1501.9 | 1459.9 | 1465.8 | 1429.7 | 1422.4 | 1440.0 | 1451.8 | 1429.0 | 1437.1 |
| 40° | 1460.6 | 1365.0 | 1250.2 | 1154.5 | 1149.4 | 1104.5 | 1096.4 | 1078.7 | 1101.6 | 1082.4 | 1088.3 |
| 42.5° | 1328.2 | 1201.6 | 1050.8 | 934.5 | 909.5 | 872.0 | 849.9 | 847.0 | 853.6 | 840.3 | 836.7 |
| 45° | 1226.6 | 1092.0 | 919.1 | 785.9 | 757.9 | 717.4 | 695.4 | 687.3 | 688.0 | 683.6 | 679.9 |
| 47.5° | 1107.4 | 972.0 | 796.9 | 660.8 | 629.1 | 590.9 | 568.8 | 563.7 | 566.6 | 560.7 | 556.3 |
| 50° | 942.6 | 821.2 | 661.5 | 537.2 | 509.2 | 481.2 | 463.6 | 458.4 | 457.7 | 453.3 | 450.3 |
| 52.5° | 765.3 | 664.5 | 526.1 | 422.4 | 397.4 | 370.1 | 357.6 | 351.0 | 351.7 | 347.3 | 342.9 |
| 55° | 592.4 | 529.8 | 407.7 | 319.4 | 296.5 | 275.2 | 263.4 | 255.3 | 253.1 | 248.7 | 246.5 |
| 57.5° | 440.8 | 398.8 | 305.4 | 230.3 | 217.1 | 196.5 | 184.7 | 175.1 | 173.7 | 171.5 | 170.7 |
| 60° | 309.1 | 278.9 | 214.9 | 164.1 | 148.6 | 136.1 | 124.4 | 114.8 | 110.4 | 109.6 | 107.4 |
| 62.5° | 200.1 | 181.8 | 141.3 | 109.6 | 97.9 | 89.0 | 77.3 | 70.6 | 67.7 | 64.8 | 65.5 |
| 65° | 124.4 | 110.4 | 88.3 | 70.6 | 64.0 | 57.4 | 48.6 | 42.7 | 39.7 | 36.8 | 37.5 |
| 67.5° | 77.3 | 69.2 | 55.9 | 45.6 | 41.2 | 36.1 | 29.4 | 25.0 | 22.8 | 20.6 | 19.1 |
| 70° | 52.2 | 44.9 | 38.3 | 32.4 | 29.4 | 25.8 | 21.3 | 17.7 | 16.2 | 14.7 | 13.2 |
| 72.5° | 36.8 | 33.1 | 28.0 | 24.3 | 22.1 | 19.1 | 16.2 | 14.0 | 12.5 | 11.0 | 9.6 |
| 75° | 26.5 | 23.5 | 20.6 | 17.7 | 16.2 | 14.7 | 12.5 | 11.0 | 9.6 | 8.1 | 6.6 |
| 77.5° | 19.1 | 16.9 | 14.7 | 13.2 | 12.5 | 10.3 | 8.8 | 8.1 | 7.4 | 5.9 | 4.4 |
| 80° | 13.2 | 11.8 | 9.6 | 8.8 | 8.8 | 7.4 | 6.6 | 5.9 | 5.2 | 3.7 | 2.9 |
| 82.5° | 8.8 | 8.1 | 7.4 | 6.6 | 5.9 | 5.2 | 5.2 | 3.7 | 2.9 | 2.2 | 1.5 |
| 85° | 6.6 | 5.9 | 5.2 | 4.4 | 4.4 | 3.7 | 2.9 | 2.2 | 2.2 | 1.5 | 0.7 |
| 87.5° | 3.7 | 3.7 | 2.9 | 2.2 | 2.2 | 1.5 | 1.5 | 0.7 | 0.7 | 0.7 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 |
| 2.5° | 2825.6 | 2827.8 | 2840.3 | 2830.8 | 2855.1 | 2872.7 | 2863.9 | 2883.8 | 2877.1 | 2875.7 | 2898.5 |
| 5° | 2844.8 | 2849.9 | 2866.8 | 2858.0 | 2884.5 | 2903.6 | 2894.8 | 2916.9 | 2910.3 | 2908.8 | 2932.3 |
| 7.5° | 2881.6 | 2886.7 | 2901.4 | 2894.1 | 2922.0 | 2938.9 | 2927.9 | 2952.2 | 2943.4 | 2942.6 | 2965.4 |
| 10° | 2927.9 | 2935.3 | 2947.8 | 2940.4 | 2966.2 | 2980.9 | 2969.9 | 2993.4 | 2985.3 | 2981.6 | 3006.6 |
| 12.5° | 2962.5 | 2967.6 | 2980.2 | 2974.3 | 2999.3 | 3010.3 | 3000.8 | 3023.6 | 3013.3 | 3010.3 | 3032.4 |
| 15° | 2954.4 | 2959.6 | 2969.9 | 2964.7 | 2988.2 | 2998.6 | 2986.0 | 3011.1 | 3000.8 | 2994.9 | 3014.7 |
| 17.5° | 2902.9 | 2905.8 | 2913.2 | 2908.0 | 2933.1 | 2939.7 | 2925.7 | 2950.7 | 2941.2 | 2930.9 | 2950.0 |
| 20° | 2827.1 | 2825.6 | 2830.0 | 2827.8 | 2848.4 | 2852.1 | 2843.3 | 2861.7 | 2850.6 | 2844.8 | 2855.8 |
| 22.5° | 2732.9 | 2731.4 | 2734.4 | 2728.5 | 2749.1 | 2751.3 | 2738.1 | 2760.1 | 2749.1 | 2738.1 | 2756.5 |
| 25° | 2628.4 | 2620.3 | 2618.9 | 2621.1 | 2635.0 | 2637.3 | 2623.3 | 2639.5 | 2625.5 | 2616.6 | 2634.3 |
| 27.5° | 2499.7 | 2489.3 | 2487.1 | 2489.3 | 2503.3 | 2493.0 | 2481.3 | 2493.0 | 2479.0 | 2471.0 | 2482.0 |
| 30° | 2340.7 | 2326.0 | 2319.4 | 2315.0 | 2329.7 | 2326.0 | 2298.8 | 2312.0 | 2289.9 | 2278.2 | 2286.3 |
| 32.5° | 2126.6 | 2118.5 | 2100.8 | 2090.5 | 2104.5 | 2076.5 | 2059.6 | 2059.6 | 2050.8 | 2030.9 | 2035.3 |
| 35° | 1829.3 | 1816.8 | 1800.6 | 1791.8 | 1794.0 | 1756.5 | 1728.5 | 1734.4 | 1704.9 | 1699.8 | 1702.0 |
| 37.5° | 1453.3 | 1432.7 | 1426.8 | 1408.4 | 1412.8 | 1379.7 | 1341.4 | 1342.2 | 1326.7 | 1310.5 | 1305.4 |
| 40° | 1092.0 | 1088.3 | 1082.4 | 1067.0 | 1072.9 | 1036.8 | 1022.1 | 1022.8 | 1012.5 | 1000.7 | 1006.6 |
| 42.5° | 844.0 | 832.2 | 828.6 | 823.4 | 824.9 | 819.0 | 799.9 | 802.1 | 793.2 | 790.3 | 787.3 |
| 45° | 685.8 | 673.3 | 664.5 | 668.9 | 668.9 | 662.3 | 654.9 | 659.3 | 654.9 | 649.0 | 652.0 |
| 47.5° | 565.1 | 553.4 | 548.9 | 548.2 | 553.4 | 548.9 | 541.6 | 543.1 | 542.3 | 540.1 | 538.6 |
| 50° | 451.1 | 448.1 | 444.4 | 442.2 | 444.4 | 443.0 | 436.4 | 440.0 | 442.2 | 434.9 | 437.1 |
| 52.5° | 343.6 | 343.6 | 342.9 | 337.8 | 342.2 | 337.8 | 337.0 | 338.5 | 336.3 | 333.3 | 332.6 |
| 55° | 251.7 | 249.5 | 245.8 | 245.0 | 246.5 | 245.0 | 243.6 | 244.3 | 245.8 | 238.4 | 238.4 |
| 57.5° | 172.2 | 170.7 | 168.5 | 168.5 | 171.5 | 167.8 | 165.6 | 168.5 | 165.6 | 162.6 | 162.6 |
| 60° | 110.4 | 109.6 | 107.4 | 107.4 | 107.4 | 106.7 | 104.5 | 105.2 | 106.7 | 102.3 | 103.0 |
| 62.5° | 66.2 | 64.0 | 63.3 | 62.5 | 63.3 | 62.5 | 62.5 | 61.8 | 61.1 | 61.1 | 58.9 |
| 65° | 36.1 | 34.6 | 33.1 | 33.8 | 33.8 | 33.1 | 33.1 | 33.1 | 31.6 | 30.9 | 30.2 |
| 67.5° | 18.4 | 16.9 | 16.9 | 16.2 | 16.2 | 16.2 | 16.2 | 15.5 | 15.5 | 15.5 | 14.7 |
| 70° | 11.8 | 11.0 | 10.3 | 10.3 | 10.3 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 8.8 |
| 72.5° | 8.1 | 7.4 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.9 | 5.9 | 5.2 | 5.2 |
| 75° | 5.9 | 5.2 | 4.4 | 4.4 | 4.4 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 77.5° | 3.7 | 2.9 | 2.9 | 2.9 | 2.9 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.5 |
| 80° | 2.2 | 2.2 | 1.5 | 1.5 | 1.5 | 1.5 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 1.5 | 1.5 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 |
| 85° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.7 | 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: P244157

CATALOG NUMBER: LD8B50D010 ER8B509730 8LBSW0LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 | 2800.6 |
| 2.5° | 2890.4 | 2884.5 | 2888.2 | 2915.4 | 2903.6 | 2899.9 | 2869.0 | 2896.3 |
| 5° | 2925.0 | 2920.6 | 2920.6 | 2951.5 | 2937.5 | 2934.5 | 2904.4 | 2927.9 |
| 7.5° | 2957.3 | 2952.9 | 2953.7 | 2985.3 | 2974.3 | 2969.9 | 2939.7 | 2963.2 |
| 10° | 2999.3 | 2996.3 | 2997.1 | 3027.2 | 3015.5 | 3011.1 | 2980.2 | 3004.4 |
| 12.5° | 3024.3 | 3019.9 | 3019.9 | 3052.3 | 3039.0 | 3032.4 | 3003.0 | 3026.5 |
| 15° | 3005.2 | 2998.6 | 2998.6 | 3030.9 | 3016.2 | 3006.6 | 2980.9 | 3003.0 |
| 17.5° | 2939.7 | 2933.1 | 2933.1 | 2961.0 | 2950.0 | 2936.0 | 2909.5 | 2930.1 |
| 20° | 2848.4 | 2840.3 | 2838.1 | 2870.5 | 2855.1 | 2842.6 | 2819.0 | 2838.9 |
| 22.5° | 2745.4 | 2741.7 | 2735.1 | 2767.5 | 2753.5 | 2740.3 | 2715.3 | 2730.7 |
| 25° | 2621.8 | 2615.9 | 2609.3 | 2640.9 | 2627.0 | 2613.7 | 2593.8 | 2606.3 |
| 27.5° | 2468.0 | 2468.7 | 2465.1 | 2490.1 | 2476.1 | 2468.7 | 2444.5 | 2465.1 |
| 30° | 2281.8 | 2273.7 | 2270.8 | 2300.2 | 2287.0 | 2277.4 | 2247.3 | 2267.1 |
| 32.5° | 2039.0 | 2027.2 | 2011.8 | 2044.9 | 2022.1 | 2014.0 | 1988.2 | 2016.9 |
| 35° | 1685.8 | 1682.1 | 1668.2 | 1696.1 | 1683.6 | 1668.9 | 1652.7 | 1677.0 |
| 37.5° | 1303.2 | 1306.1 | 1304.6 | 1312.0 | 1304.6 | 1295.1 | 1277.4 | 1268.6 |
| 40° | 994.9 | 987.5 | 981.6 | 994.9 | 979.4 | 979.4 | 969.1 | 980.1 |
| 42.5° | 780.0 | 777.0 | 784.4 | 787.3 | 778.5 | 777.0 | 775.6 | 774.8 |
| 45° | 643.9 | 643.9 | 645.3 | 648.3 | 645.3 | 643.9 | 639.4 | 636.5 |
| 47.5° | 530.5 | 533.5 | 530.5 | 540.1 | 535.0 | 533.5 | 524.7 | 528.3 |
| 50° | 429.7 | 426.1 | 429.7 | 432.7 | 433.4 | 429.0 | 424.6 | 426.8 |
| 52.5° | 333.3 | 327.4 | 326.0 | 330.4 | 327.4 | 327.4 | 324.5 | 323.8 |
| 55° | 234.7 | 236.9 | 233.3 | 236.9 | 235.5 | 233.3 | 231.1 | 234.0 |
| 57.5° | 158.9 | 159.7 | 158.2 | 160.4 | 156.7 | 157.5 | 156.7 | 156.0 |
| 60° | 103.0 | 100.1 | 100.1 | 102.3 | 98.6 | 98.6 | 97.9 | 97.9 |
| 62.5° | 58.9 | 58.1 | 58.1 | 57.4 | 56.7 | 56.7 | 56.7 | 55.2 |
| 65° | 30.2 | 29.4 | 28.7 | 28.7 | 28.7 | 28.7 | 28.0 | 28.0 |
| 67.5° | 14.7 | 14.0 | 14.0 | 14.7 | 14.0 | 14.0 | 14.0 | 14.0 |
| 70° | 8.8 | 8.8 | 8.1 | 8.8 | 8.1 | 8.1 | 8.1 | 8.1 |
| 72.5° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 75° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 77.5° | 2.2 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 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)