

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P252600

Luminaire Tested: **LD6B40D010 EU6B30508050 6LBDW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-8)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30508050 6LBDW1LI
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4311.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.22 / 1.15
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

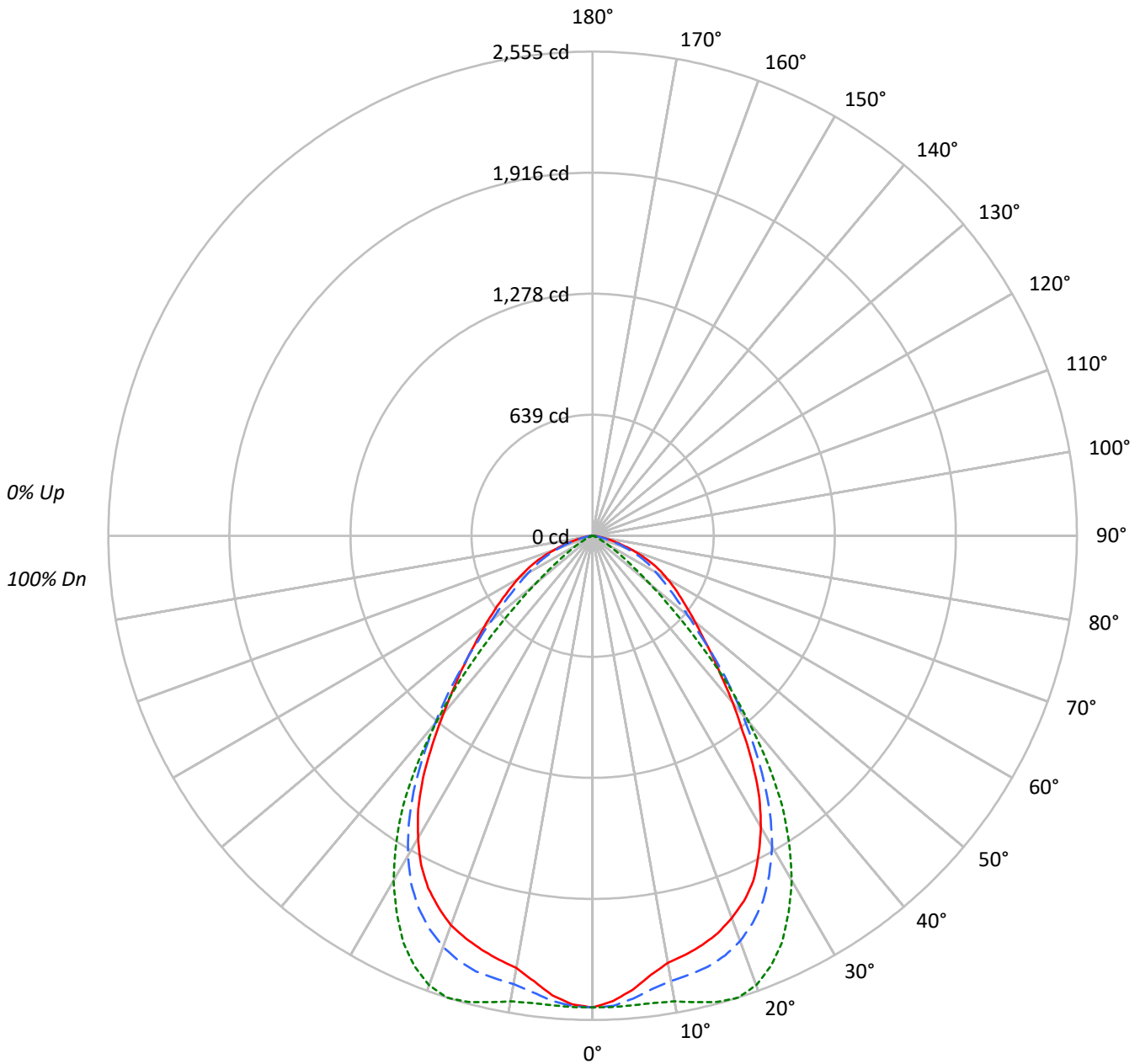
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252600

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Luminous Intensity Polar Plot





TEST NUMBER: P252600

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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 | 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 | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | | | | | | | | |
| 2 | 104 | 97 | 92 | 87 | 101 | 95 | 91 | 86 | 92 | 88 | 84 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 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 | 64 | 59 | 68 | 63 | 58 | 66 | 62 | 58 | 56 | | | | | | | | |
| 6 | 78 | 67 | 59 | 54 | 76 | 66 | 59 | 53 | 64 | 58 | 53 | 63 | 57 | 53 | 61 | 56 | 52 | 50 | | | | | | | | |
| 7 | 73 | 61 | 54 | 49 | 72 | 61 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 51 | 48 | 46 | | | | | | | | |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 42 | | | | | | | | |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | | | | | | | | |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 162384 | 162384 | 162384 |
| 5° | 157536 | 162814 | 159422 |
| 10° | 151540 | 165267 | 153448 |
| 15° | 151004 | 171996 | 152753 |
| 20° | 149026 | 175201 | 151824 |
| 25° | 144575 | 170259 | 147685 |
| 30° | 133747 | 158238 | 138726 |
| 35° | 117332 | 139106 | 124213 |
| 40° | 97779 | 109046 | 104149 |
| 45° | 82300 | 71948 | 87872 |
| 50° | 71261 | 39421 | 75635 |
| 55° | 64470 | 20952 | 66108 |
| 60° | 59317 | 10882 | 59317 |
| 65° | 53752 | 5774 | 52409 |
| 70° | 43358 | 3300 | 40077 |
| 75° | 29744 | 2168 | 27551 |
| 80° | 19462 | 1090 | 17282 |
| 85° | 12950 | 2171 | 10779 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 232.1 | 5.4 |
| 10°-20° | 671.1 | 15.6 |
| 20°-30° | 991.6 | 23.0 |
| 30°-40° | 1001.6 | 23.2 |
| 40°-50° | 690.3 | 16.0 |
| 50°-60° | 396.5 | 9.2 |
| 60°-70° | 230.8 | 5.4 |
| 70°-80° | 84.2 | 2.0 |
| 80°-90° | 12.9 | 0.3 |
| 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° | 1894.8 | 44.0 |
| 0°-40° | 2896.4 | 67.2 |
| 0°-60° | 3983.2 | 92.4 |
| 0°-90° | 4311.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4311.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2489 | 2489 | 2489 | 2489 | 2489 | |
| 5° | 2406 | 2452 | 2486 | 2463 | 2434 | 226 |
| 15° | 2236 | 2354 | 2546 | 2380 | 2262 | 630 |
| 25° | 2008 | 2126 | 2365 | 2170 | 2052 | 915 |
| 35° | 1473 | 1574 | 1747 | 1646 | 1560 | 914 |
| 45° | 892 | 904 | 780 | 961 | 952 | 694 |
| 55° | 567 | 498 | 184 | 518 | 581 | 510 |
| 65° | 348 | 294 | 37 | 291 | 340 | 341 |
| 75° | 118 | 95 | 9 | 92 | 109 | 133 |
| 85° | 17 | 9 | 3 | 12 | 14 | 22 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252600

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 |
| 2.5° | 2457.3 | 2460.2 | 2463.1 | 2460.2 | 2463.1 | 2474.6 | 2465.9 | 2471.7 | 2471.7 | 2474.6 | 2483.2 |
| 5° | 2405.5 | 2405.5 | 2411.3 | 2408.4 | 2417.0 | 2428.5 | 2419.9 | 2428.5 | 2431.4 | 2437.2 | 2451.5 |
| 7.5° | 2339.3 | 2339.3 | 2342.2 | 2342.2 | 2353.7 | 2365.2 | 2359.5 | 2371.0 | 2382.5 | 2394.0 | 2411.3 |
| 10° | 2287.5 | 2293.3 | 2293.3 | 2296.2 | 2307.7 | 2322.1 | 2319.2 | 2333.6 | 2345.1 | 2362.3 | 2385.4 |
| 12.5° | 2264.5 | 2267.4 | 2267.4 | 2273.1 | 2284.7 | 2299.0 | 2296.2 | 2310.6 | 2327.8 | 2348.0 | 2371.0 |
| 15° | 2235.7 | 2241.5 | 2238.6 | 2244.4 | 2255.9 | 2270.3 | 2267.4 | 2281.8 | 2301.9 | 2322.1 | 2353.7 |
| 17.5° | 2198.3 | 2201.2 | 2204.1 | 2204.1 | 2215.6 | 2227.1 | 2227.1 | 2241.5 | 2264.5 | 2287.5 | 2322.1 |
| 20° | 2146.5 | 2152.3 | 2152.3 | 2155.2 | 2163.8 | 2181.1 | 2178.2 | 2192.6 | 2215.6 | 2238.6 | 2276.0 |
| 22.5° | 2086.1 | 2089.0 | 2089.0 | 2091.9 | 2106.3 | 2114.9 | 2117.8 | 2129.3 | 2149.4 | 2175.3 | 2209.8 |
| 25° | 2008.4 | 2011.3 | 2008.4 | 2017.1 | 2022.8 | 2040.1 | 2034.3 | 2048.7 | 2071.7 | 2091.9 | 2126.4 |
| 27.5° | 1896.2 | 1902.0 | 1902.0 | 1904.8 | 1919.2 | 1933.6 | 1933.6 | 1948.0 | 1968.1 | 1982.5 | 2017.1 |
| 30° | 1775.4 | 1784.0 | 1775.4 | 1789.7 | 1795.5 | 1807.0 | 1815.6 | 1824.3 | 1841.5 | 1861.7 | 1893.3 |
| 32.5° | 1637.2 | 1634.4 | 1637.2 | 1643.0 | 1660.3 | 1668.9 | 1674.6 | 1683.3 | 1700.5 | 1717.8 | 1743.7 |
| 35° | 1473.2 | 1479.0 | 1481.9 | 1493.4 | 1493.4 | 1507.8 | 1510.6 | 1516.4 | 1542.3 | 1553.8 | 1573.9 |
| 37.5° | 1300.6 | 1306.3 | 1309.2 | 1315.0 | 1326.5 | 1332.2 | 1340.9 | 1349.5 | 1366.8 | 1386.9 | 1398.4 |
| 40° | 1148.1 | 1148.1 | 1151.0 | 1156.7 | 1165.3 | 1168.2 | 1176.9 | 1188.4 | 1199.9 | 1217.1 | 1228.7 |
| 42.5° | 1004.2 | 1007.1 | 1004.2 | 1010.0 | 1018.6 | 1030.1 | 1027.2 | 1041.6 | 1044.5 | 1056.0 | 1064.6 |
| 45° | 892.0 | 892.0 | 886.2 | 892.0 | 892.0 | 903.5 | 900.6 | 906.4 | 903.5 | 909.3 | 903.5 |
| 47.5° | 785.5 | 788.4 | 785.5 | 788.4 | 788.4 | 788.4 | 791.3 | 785.5 | 788.4 | 779.8 | 762.5 |
| 50° | 702.1 | 705.0 | 699.2 | 702.1 | 699.2 | 696.3 | 699.2 | 690.6 | 687.7 | 676.2 | 658.9 |
| 52.5° | 630.2 | 627.3 | 624.4 | 624.4 | 624.4 | 621.5 | 618.6 | 610.0 | 601.4 | 589.9 | 569.7 |
| 55° | 566.8 | 564.0 | 561.1 | 561.1 | 555.3 | 552.5 | 552.5 | 543.8 | 535.2 | 520.8 | 497.8 |
| 57.5° | 509.3 | 506.4 | 503.5 | 503.5 | 500.7 | 494.9 | 494.9 | 486.3 | 474.8 | 457.5 | 437.4 |
| 60° | 454.6 | 454.6 | 454.6 | 451.8 | 451.8 | 446.0 | 446.0 | 437.4 | 425.9 | 408.6 | 385.6 |
| 62.5° | 405.7 | 402.8 | 402.8 | 402.8 | 402.8 | 400.0 | 397.1 | 391.3 | 379.8 | 362.6 | 342.4 |
| 65° | 348.2 | 348.2 | 348.2 | 348.2 | 345.3 | 345.3 | 345.3 | 336.7 | 330.9 | 313.6 | 293.5 |
| 67.5° | 284.9 | 284.9 | 284.9 | 284.9 | 282.0 | 284.9 | 284.9 | 279.1 | 273.4 | 256.1 | 238.8 |
| 70° | 227.3 | 224.4 | 221.6 | 224.4 | 221.6 | 221.6 | 224.4 | 218.7 | 215.8 | 201.4 | 184.2 |
| 72.5° | 166.9 | 169.8 | 166.9 | 166.9 | 166.9 | 164.0 | 166.9 | 164.0 | 158.3 | 146.7 | 135.2 |
| 75° | 118.0 | 120.9 | 120.9 | 118.0 | 118.0 | 118.0 | 115.1 | 115.1 | 109.3 | 100.7 | 95.0 |
| 77.5° | 80.6 | 80.6 | 80.6 | 80.6 | 77.7 | 77.7 | 77.7 | 74.8 | 71.9 | 66.2 | 60.4 |
| 80° | 51.8 | 51.8 | 51.8 | 51.8 | 48.9 | 48.9 | 48.9 | 46.0 | 46.0 | 40.3 | 34.5 |
| 82.5° | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 28.8 | 28.8 | 25.9 | 23.0 | 20.1 |
| 85° | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 14.4 | 14.4 | 11.5 | 8.6 |
| 87.5° | 5.8 | 5.8 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 5.8 | 5.8 | 5.8 |
| 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° | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 |
| 2.5° | 2477.4 | 2480.3 | 2480.3 | 2480.3 | 2489.0 | 2491.8 | 2483.2 | 2474.6 | 2491.8 | 2489.0 | 2494.7 |
| 5° | 2448.7 | 2457.3 | 2463.1 | 2465.9 | 2474.6 | 2480.3 | 2471.7 | 2468.8 | 2483.2 | 2486.1 | 2489.0 |
| 7.5° | 2414.1 | 2428.5 | 2442.9 | 2448.7 | 2460.2 | 2465.9 | 2463.1 | 2463.1 | 2480.3 | 2486.1 | 2486.1 |
| 10° | 2391.1 | 2411.3 | 2428.5 | 2442.9 | 2457.3 | 2465.9 | 2465.9 | 2468.8 | 2489.0 | 2494.7 | 2500.5 |
| 12.5° | 2385.4 | 2411.3 | 2434.3 | 2454.4 | 2465.9 | 2480.3 | 2483.2 | 2491.8 | 2512.0 | 2520.6 | 2520.6 |
| 15° | 2371.0 | 2405.5 | 2434.3 | 2460.2 | 2477.4 | 2494.7 | 2500.5 | 2517.7 | 2540.7 | 2546.5 | 2552.3 |
| 17.5° | 2345.1 | 2379.6 | 2414.1 | 2445.8 | 2468.8 | 2483.2 | 2500.5 | 2517.7 | 2546.5 | 2555.1 | 2558.0 |
| 20° | 2299.0 | 2339.3 | 2373.9 | 2405.5 | 2428.5 | 2448.7 | 2465.9 | 2486.1 | 2512.0 | 2523.5 | 2526.4 |
| 22.5° | 2230.0 | 2270.3 | 2304.8 | 2339.3 | 2362.3 | 2379.6 | 2396.9 | 2419.9 | 2445.8 | 2457.3 | 2457.3 |
| 25° | 2146.5 | 2184.0 | 2221.4 | 2247.3 | 2270.3 | 2290.4 | 2299.0 | 2324.9 | 2350.8 | 2365.2 | 2365.2 |
| 27.5° | 2040.1 | 2074.6 | 2109.1 | 2137.9 | 2152.3 | 2169.6 | 2184.0 | 2207.0 | 2227.1 | 2238.6 | 2250.1 |
| 30° | 1904.8 | 1939.4 | 1971.0 | 1999.8 | 2017.1 | 2034.3 | 2048.7 | 2066.0 | 2086.1 | 2100.5 | 2103.4 |
| 32.5° | 1758.1 | 1786.9 | 1818.5 | 1847.3 | 1864.6 | 1870.3 | 1884.7 | 1902.0 | 1919.2 | 1930.7 | 1933.6 |
| 35° | 1597.0 | 1617.1 | 1637.2 | 1663.1 | 1680.4 | 1680.4 | 1694.8 | 1706.3 | 1720.7 | 1746.6 | 1740.8 |
| 37.5° | 1407.1 | 1435.8 | 1450.2 | 1458.8 | 1470.4 | 1481.9 | 1484.7 | 1499.1 | 1516.4 | 1522.1 | 1530.8 |
| 40° | 1228.7 | 1237.3 | 1245.9 | 1245.9 | 1257.4 | 1257.4 | 1257.4 | 1260.3 | 1277.6 | 1280.4 | 1292.0 |
| 42.5° | 1050.3 | 1050.3 | 1041.6 | 1033.0 | 1035.9 | 1033.0 | 1018.6 | 1018.6 | 1027.2 | 1038.7 | 1038.7 |
| 45° | 883.4 | 863.2 | 837.3 | 817.2 | 802.8 | 797.0 | 779.8 | 779.8 | 776.9 | 779.8 | 791.3 |
| 47.5° | 742.4 | 707.8 | 664.7 | 624.4 | 610.0 | 598.5 | 572.6 | 561.1 | 555.3 | 558.2 | 564.0 |
| 50° | 624.4 | 587.0 | 538.1 | 489.2 | 463.3 | 448.9 | 417.2 | 397.1 | 394.2 | 388.4 | 400.0 |
| 52.5° | 538.1 | 492.0 | 440.2 | 382.7 | 356.8 | 333.8 | 299.3 | 282.0 | 270.5 | 270.5 | 273.4 |
| 55° | 463.3 | 414.3 | 356.8 | 299.3 | 273.4 | 256.1 | 221.6 | 198.5 | 187.0 | 184.2 | 192.8 |
| 57.5° | 400.0 | 353.9 | 296.4 | 238.8 | 212.9 | 192.8 | 158.3 | 138.1 | 129.5 | 123.7 | 126.6 |
| 60° | 351.0 | 305.0 | 247.5 | 192.8 | 169.8 | 146.7 | 118.0 | 95.0 | 83.4 | 83.4 | 86.3 |
| 62.5° | 305.0 | 261.8 | 210.1 | 158.3 | 138.1 | 118.0 | 86.3 | 66.2 | 57.5 | 54.7 | 57.5 |
| 65° | 259.0 | 218.7 | 175.5 | 132.4 | 112.2 | 95.0 | 69.1 | 51.8 | 40.3 | 37.4 | 40.3 |
| 67.5° | 210.1 | 178.4 | 141.0 | 106.5 | 89.2 | 74.8 | 51.8 | 37.4 | 28.8 | 25.9 | 28.8 |
| 70° | 164.0 | 135.2 | 106.5 | 77.7 | 66.2 | 54.7 | 37.4 | 28.8 | 20.1 | 17.3 | 20.1 |
| 72.5° | 118.0 | 97.8 | 74.8 | 54.7 | 46.0 | 37.4 | 25.9 | 20.1 | 14.4 | 11.5 | 14.4 |
| 75° | 80.6 | 66.2 | 48.9 | 34.5 | 28.8 | 25.9 | 17.3 | 11.5 | 8.6 | 8.6 | 8.6 |
| 77.5° | 51.8 | 40.3 | 31.7 | 23.0 | 17.3 | 14.4 | 8.6 | 5.8 | 5.8 | 5.8 | 5.8 |
| 80° | 28.8 | 23.0 | 17.3 | 11.5 | 8.6 | 8.6 | 5.8 | 5.8 | 2.9 | 2.9 | 2.9 |
| 82.5° | 17.3 | 11.5 | 8.6 | 5.8 | 5.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 85° | 8.6 | 5.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 87.5° | 2.9 | 2.9 | 2.9 | 2.9 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 |
| 2.5° | 2483.2 | 2486.1 | 2477.4 | 2489.0 | 2480.3 | 2491.8 | 2491.8 | 2480.3 | 2483.2 | 2477.4 | 2489.0 |
| 5° | 2477.4 | 2477.4 | 2471.7 | 2480.3 | 2468.8 | 2480.3 | 2477.4 | 2457.3 | 2463.1 | 2451.5 | 2463.1 |
| 7.5° | 2477.4 | 2471.7 | 2463.1 | 2471.7 | 2457.3 | 2465.9 | 2454.4 | 2434.3 | 2428.5 | 2414.1 | 2414.1 |
| 10° | 2486.1 | 2477.4 | 2465.9 | 2468.8 | 2454.4 | 2457.3 | 2440.0 | 2411.3 | 2402.6 | 2385.4 | 2379.6 |
| 12.5° | 2506.2 | 2497.6 | 2480.3 | 2486.1 | 2465.9 | 2465.9 | 2442.9 | 2408.4 | 2391.1 | 2368.1 | 2362.3 |
| 15° | 2535.0 | 2520.6 | 2500.5 | 2503.3 | 2483.2 | 2471.7 | 2442.9 | 2402.6 | 2379.6 | 2348.0 | 2339.3 |
| 17.5° | 2540.7 | 2526.4 | 2500.5 | 2500.5 | 2474.6 | 2460.2 | 2425.7 | 2379.6 | 2350.8 | 2319.2 | 2301.9 |
| 20° | 2509.1 | 2494.7 | 2465.9 | 2463.1 | 2440.0 | 2419.9 | 2382.5 | 2336.5 | 2307.7 | 2273.1 | 2258.8 |
| 22.5° | 2442.9 | 2425.7 | 2399.8 | 2396.9 | 2373.9 | 2362.3 | 2322.1 | 2276.0 | 2247.3 | 2212.7 | 2201.2 |
| 25° | 2345.1 | 2336.5 | 2310.6 | 2307.7 | 2287.5 | 2273.1 | 2238.6 | 2195.5 | 2169.6 | 2135.0 | 2123.5 |
| 27.5° | 2230.0 | 2221.4 | 2195.5 | 2195.5 | 2172.4 | 2163.8 | 2132.2 | 2091.9 | 2071.7 | 2040.1 | 2025.7 |
| 30° | 2091.9 | 2080.4 | 2066.0 | 2063.1 | 2043.0 | 2034.3 | 2005.6 | 1968.1 | 1948.0 | 1922.1 | 1916.4 |
| 32.5° | 1927.9 | 1919.2 | 1910.6 | 1907.7 | 1887.6 | 1878.9 | 1858.8 | 1821.4 | 1804.1 | 1781.1 | 1772.5 |
| 35° | 1738.0 | 1732.2 | 1723.6 | 1720.7 | 1712.1 | 1703.4 | 1683.3 | 1654.5 | 1645.9 | 1628.6 | 1620.0 |
| 37.5° | 1519.3 | 1525.0 | 1519.3 | 1519.3 | 1510.6 | 1513.5 | 1496.3 | 1479.0 | 1470.4 | 1458.8 | 1453.1 |
| 40° | 1283.3 | 1294.8 | 1303.5 | 1303.5 | 1300.6 | 1312.1 | 1309.2 | 1294.8 | 1292.0 | 1286.2 | 1283.3 |
| 42.5° | 1044.5 | 1050.3 | 1067.5 | 1079.0 | 1076.1 | 1104.9 | 1107.8 | 1119.3 | 1127.9 | 1122.2 | 1125.1 |
| 45° | 794.2 | 811.4 | 834.4 | 846.0 | 860.3 | 897.8 | 917.9 | 940.9 | 961.1 | 972.6 | 969.7 |
| 47.5° | 572.6 | 592.7 | 618.6 | 635.9 | 661.8 | 707.8 | 759.6 | 788.4 | 817.2 | 831.6 | 846.0 |
| 50° | 414.3 | 434.5 | 466.1 | 492.0 | 509.3 | 572.6 | 627.3 | 664.7 | 696.3 | 716.5 | 730.9 |
| 52.5° | 290.6 | 313.6 | 348.2 | 371.2 | 397.1 | 457.5 | 520.8 | 564.0 | 598.5 | 624.4 | 638.8 |
| 55° | 201.4 | 227.3 | 259.0 | 282.0 | 310.8 | 374.1 | 434.5 | 480.5 | 517.9 | 541.0 | 558.2 |
| 57.5° | 141.0 | 164.0 | 195.7 | 215.8 | 244.6 | 305.0 | 365.4 | 411.5 | 448.9 | 471.9 | 492.0 |
| 60° | 95.0 | 118.0 | 149.6 | 169.8 | 192.8 | 253.2 | 307.9 | 356.8 | 391.3 | 414.3 | 434.5 |
| 62.5° | 66.2 | 86.3 | 118.0 | 138.1 | 158.3 | 210.1 | 261.8 | 305.0 | 339.5 | 365.4 | 382.7 |
| 65° | 51.8 | 69.1 | 95.0 | 112.2 | 132.4 | 175.5 | 218.7 | 256.1 | 290.6 | 316.5 | 328.0 |
| 67.5° | 37.4 | 54.7 | 74.8 | 89.2 | 103.6 | 141.0 | 178.4 | 207.2 | 238.8 | 259.0 | 273.4 |
| 70° | 25.9 | 37.4 | 54.7 | 66.2 | 77.7 | 106.5 | 135.2 | 161.1 | 184.2 | 198.5 | 210.1 |
| 72.5° | 20.1 | 25.9 | 37.4 | 46.0 | 54.7 | 74.8 | 97.8 | 118.0 | 135.2 | 146.7 | 158.3 |
| 75° | 11.5 | 17.3 | 25.9 | 31.7 | 37.4 | 51.8 | 66.2 | 80.6 | 92.1 | 100.7 | 106.5 |
| 77.5° | 5.8 | 8.6 | 14.4 | 17.3 | 23.0 | 31.7 | 43.2 | 51.8 | 60.4 | 66.2 | 71.9 |
| 80° | 5.8 | 5.8 | 8.6 | 8.6 | 11.5 | 17.3 | 23.0 | 28.8 | 34.5 | 40.3 | 43.2 |
| 82.5° | 2.9 | 2.9 | 5.8 | 5.8 | 5.8 | 8.6 | 11.5 | 17.3 | 20.1 | 23.0 | 25.9 |
| 85° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 5.8 | 5.8 | 8.6 | 11.5 | 14.4 | 14.4 |
| 87.5° | 0.0 | 0.0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 5.8 | 5.8 | 5.8 | 8.6 |
| 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: P252600

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBDW1LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 | 2489.0 |
| 2.5° | 2480.3 | 2486.1 | 2483.2 | 2489.0 | 2480.3 | 2477.4 | 2483.2 | 2474.6 |
| 5° | 2448.7 | 2451.5 | 2448.7 | 2448.7 | 2442.9 | 2437.2 | 2442.9 | 2434.3 |
| 7.5° | 2399.8 | 2399.8 | 2391.1 | 2391.1 | 2379.6 | 2373.9 | 2373.9 | 2371.0 |
| 10° | 2359.5 | 2350.8 | 2342.2 | 2345.1 | 2327.8 | 2322.1 | 2319.2 | 2316.3 |
| 12.5° | 2339.3 | 2333.6 | 2319.2 | 2319.2 | 2301.9 | 2296.2 | 2293.3 | 2290.4 |
| 15° | 2316.3 | 2304.8 | 2293.3 | 2290.4 | 2276.0 | 2270.3 | 2267.4 | 2261.6 |
| 17.5° | 2276.0 | 2267.4 | 2253.0 | 2253.0 | 2238.6 | 2235.7 | 2230.0 | 2227.1 |
| 20° | 2232.9 | 2221.4 | 2209.8 | 2209.8 | 2192.6 | 2192.6 | 2184.0 | 2186.8 |
| 22.5° | 2172.4 | 2163.8 | 2152.3 | 2152.3 | 2137.9 | 2135.0 | 2126.4 | 2123.5 |
| 25° | 2100.5 | 2089.0 | 2080.4 | 2077.5 | 2066.0 | 2060.2 | 2057.3 | 2051.6 |
| 27.5° | 2005.6 | 1996.9 | 1988.3 | 1982.5 | 1968.1 | 1965.3 | 1956.6 | 1959.5 |
| 30° | 1887.6 | 1881.8 | 1878.9 | 1873.2 | 1855.9 | 1850.2 | 1850.2 | 1841.5 |
| 32.5° | 1758.1 | 1749.5 | 1743.7 | 1735.1 | 1720.7 | 1717.8 | 1709.2 | 1712.1 |
| 35° | 1599.8 | 1588.3 | 1579.7 | 1582.6 | 1565.3 | 1562.4 | 1556.7 | 1559.6 |
| 37.5° | 1435.8 | 1424.3 | 1412.8 | 1409.9 | 1395.5 | 1395.5 | 1386.9 | 1386.9 |
| 40° | 1266.1 | 1254.5 | 1248.8 | 1248.8 | 1231.5 | 1234.4 | 1225.8 | 1222.9 |
| 42.5° | 1113.6 | 1102.0 | 1099.2 | 1096.3 | 1087.7 | 1084.8 | 1076.1 | 1079.0 |
| 45° | 969.7 | 966.8 | 966.8 | 961.1 | 952.4 | 949.5 | 952.4 | 952.4 |
| 47.5° | 843.1 | 846.0 | 843.1 | 843.1 | 837.3 | 843.1 | 837.3 | 840.2 |
| 50° | 736.6 | 742.4 | 742.4 | 742.4 | 739.5 | 742.4 | 742.4 | 745.2 |
| 52.5° | 647.4 | 656.0 | 653.2 | 656.0 | 653.2 | 658.9 | 656.0 | 658.9 |
| 55° | 569.7 | 575.5 | 578.4 | 581.2 | 581.2 | 581.2 | 581.2 | 581.2 |
| 57.5° | 497.8 | 506.4 | 509.3 | 512.2 | 512.2 | 517.9 | 512.2 | 512.2 |
| 60° | 440.2 | 448.9 | 451.8 | 454.6 | 454.6 | 457.5 | 451.8 | 454.6 |
| 62.5° | 388.4 | 397.1 | 397.1 | 400.0 | 400.0 | 400.0 | 394.2 | 397.1 |
| 65° | 336.7 | 339.5 | 342.4 | 342.4 | 339.5 | 339.5 | 336.7 | 339.5 |
| 67.5° | 279.1 | 282.0 | 279.1 | 279.1 | 276.2 | 276.2 | 270.5 | 273.4 |
| 70° | 215.8 | 215.8 | 218.7 | 215.8 | 212.9 | 215.8 | 212.9 | 210.1 |
| 72.5° | 161.1 | 161.1 | 161.1 | 158.3 | 158.3 | 155.4 | 158.3 | 158.3 |
| 75° | 109.3 | 109.3 | 112.2 | 112.2 | 112.2 | 112.2 | 109.3 | 109.3 |
| 77.5° | 71.9 | 71.9 | 71.9 | 71.9 | 74.8 | 71.9 | 71.9 | 71.9 |
| 80° | 46.0 | 46.0 | 48.9 | 48.9 | 46.0 | 46.0 | 46.0 | 46.0 |
| 82.5° | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 |
| 85° | 17.3 | 17.3 | 17.3 | 17.3 | 14.4 | 14.4 | 14.4 | 14.4 |
| 87.5° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 5.8 | 5.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)