

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: METALUX

Report Number: P237838

Luminaire Tested: **8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P237838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-355-20)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U
Description: METALUX VT2 LED LUMINAIRE
INTERNAL PRISMATIC LENS/100% DR HIGH IMPACT ADDITIVE WIDE DISTRIBUTION
8FT FIXTURE
Light Source: (224) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12603.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.58 / 1.57
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 8.33' x H: 0.17')
CIE Type: Semi-Direct

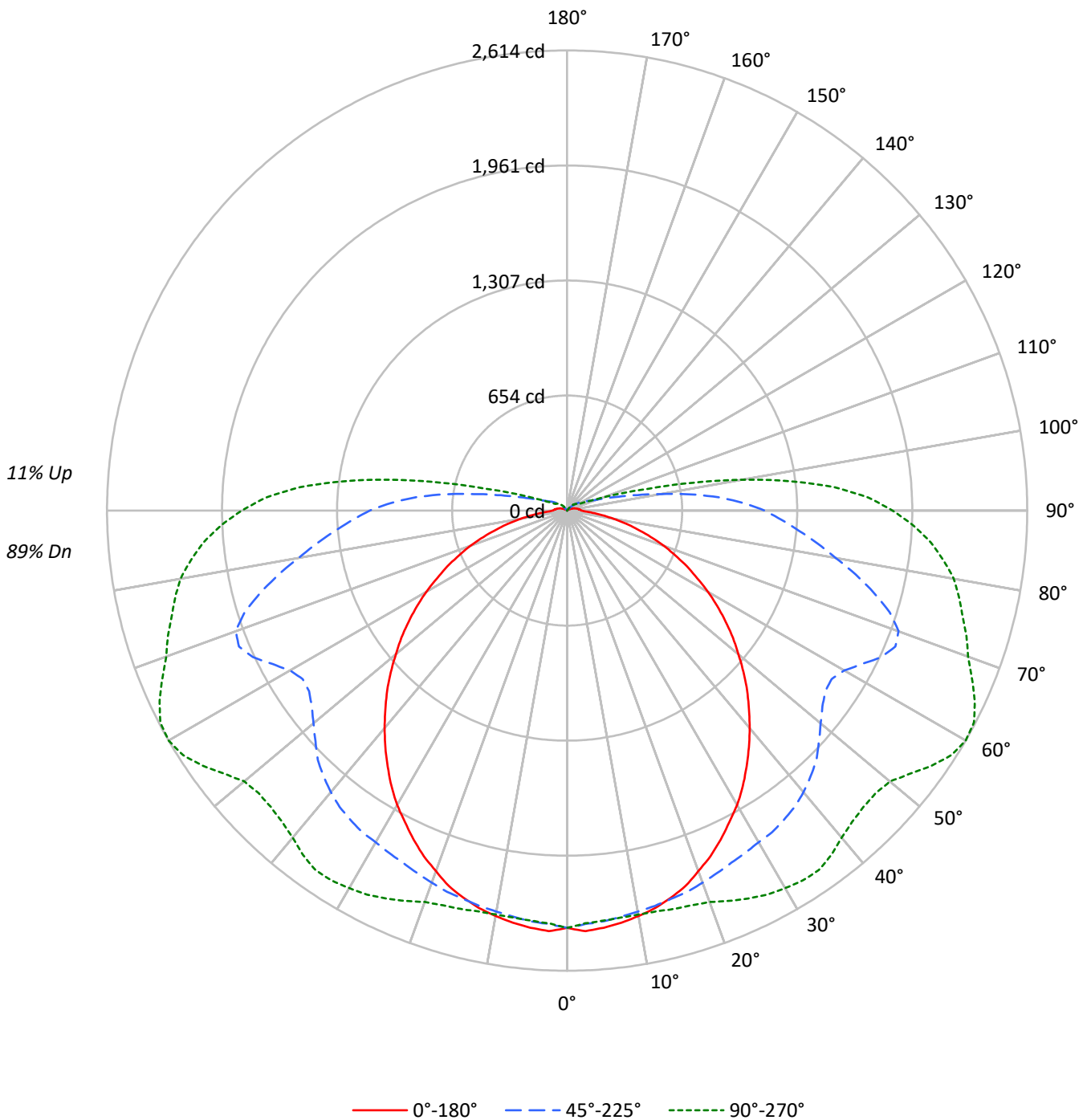
Input Watts (W): 101.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P237838

CATALOG NUMBER: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U

Luminous Intensity Polar Plot





TEST NUMBER: P237838

CATALOG NUMBER: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U

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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 |
| 1 | 101 | 94 | 88 | 82 | 97 | 91 | 85 | 80 | 84 | 80 | 75 | 78 | 74 | 71 | 73 | 70 | 67 | 64 |
| 2 | 90 | 79 | 70 | 63 | 86 | 76 | 68 | 61 | 71 | 64 | 58 | 66 | 60 | 55 | 61 | 56 | 52 | 49 |
| 3 | 81 | 68 | 58 | 50 | 77 | 65 | 56 | 49 | 61 | 53 | 47 | 56 | 50 | 44 | 52 | 47 | 42 | 39 |
| 4 | 73 | 59 | 49 | 41 | 70 | 57 | 48 | 40 | 53 | 45 | 38 | 49 | 42 | 37 | 46 | 40 | 35 | 32 |
| 5 | 67 | 52 | 42 | 35 | 64 | 50 | 41 | 34 | 47 | 39 | 32 | 44 | 37 | 31 | 41 | 35 | 30 | 27 |
| 6 | 62 | 47 | 37 | 30 | 59 | 45 | 36 | 29 | 42 | 34 | 28 | 39 | 32 | 27 | 37 | 30 | 26 | 23 |
| 7 | 57 | 42 | 32 | 26 | 54 | 41 | 32 | 25 | 38 | 30 | 24 | 36 | 29 | 23 | 33 | 27 | 22 | 20 |
| 8 | 53 | 38 | 29 | 23 | 51 | 37 | 28 | 22 | 35 | 27 | 21 | 32 | 26 | 21 | 30 | 24 | 20 | 18 |
| 9 | 49 | 35 | 26 | 20 | 47 | 34 | 25 | 20 | 32 | 24 | 19 | 30 | 23 | 18 | 28 | 22 | 18 | 16 |
| 10 | 46 | 32 | 24 | 18 | 44 | 31 | 23 | 18 | 29 | 22 | 17 | 28 | 21 | 17 | 26 | 20 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 6123 | 6123 | 6123 |
| 5° | 6157 | 5945 | 5892 |
| 10° | 6113 | 5811 | 5772 |
| 15° | 6057 | 5723 | 5752 |
| 20° | 5948 | 5668 | 5800 |
| 25° | 5825 | 5634 | 5999 |
| 30° | 5695 | 5670 | 6194 |
| 35° | 5525 | 5758 | 6375 |
| 40° | 5351 | 5822 | 6391 |
| 45° | 5179 | 5856 | 6523 |
| 50° | 4985 | 5823 | 6885 |
| 55° | 4809 | 5940 | 7711 |
| 60° | 4616 | 6552 | 8562 |
| 65° | 4399 | 7839 | 9106 |
| 70° | 4189 | 8973 | 9554 |
| 75° | 3840 | 9318 | 10344 |
| 80° | 3541 | 9526 | 11479 |
| 85° | 3479 | 10170 | 12777 |



TEST NUMBER: P237838

CATALOG NUMBER: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 223.9 | 1.8 |
| 10°-20° | 650.8 | 5.2 |
| 20°-30° | 1032.3 | 8.2 |
| 30°-40° | 1338.1 | 10.6 |
| 40°-50° | 1509.5 | 12.0 |
| 50°-60° | 1635.2 | 13.0 |
| 60°-70° | 1759.0 | 14.0 |
| 70°-80° | 1674.7 | 13.3 |
| 80°-90° | 1372.8 | 10.9 |
| 90°-100° | 908.9 | 7.2 |
| 100°-110° | 327.0 | 2.6 |
| 110°-120° | 99.2 | 0.8 |
| 120°-130° | 48.2 | 0.4 |
| 130°-140° | 20.1 | 0.2 |
| 140°-150° | 3.3 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1907.0 | 15.1 |
| 0°-40° | 3245.1 | 25.7 |
| 0°-60° | 6389.8 | 50.7 |
| 0°-90° | 11196.2 | 88.8 |
| 90°-120° | 1335.1 | 10.6 |
| 90°-150° | 1406.8 | 11.2 |
| 90°-180° | 1407.0 | 11.2 |
| 0°-180° | 12603.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2370 | 2370 | 2370 | 2370 | 2370 | |
| 5° | 2379 | 2368 | 2343 | 2347 | 2338 | 226 |
| 15° | 2277 | 2273 | 2283 | 2330 | 2343 | 642 |
| 25° | 2063 | 2092 | 2207 | 2383 | 2432 | 950 |
| 35° | 1777 | 1874 | 2145 | 2406 | 2493 | 1111 |
| 45° | 1446 | 1618 | 2003 | 2270 | 2381 | 1114 |
| 55° | 1098 | 1336 | 1789 | 2332 | 2527 | 982 |
| 65° | 750 | 1047 | 1970 | 2482 | 2555 | 743 |
| 75° | 413 | 994 | 1804 | 2177 | 2326 | 443 |
| 85° | 144 | 721 | 1323 | 1874 | 2073 | 144 |
| 90° | 81 | 547 | 1122 | 1658 | 1849 | 46 |
| 95° | 70 | 390 | 863 | 1338 | 1524 | 55 |
| 105° | 47 | 144 | 303 | 422 | 479 | 50 |
| 115° | 23 | 64 | 127 | 121 | 112 | 24 |
| 125° | 8 | 21 | 74 | 76 | 68 | 9 |
| 135° | 4 | 0 | 30 | 44 | 44 | 3 |
| 145° | 2 | 0 | 0 | 11 | 11 | 1 |
| 155° | 0 | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P237838

CATALOG NUMBER: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 |
| 2.5° | 2391.4 | 2387.1 | 2380.8 | 2378.6 | 2378.6 | 2378.6 | 2378.6 | 2374.4 | 2368.0 | 2359.6 | 2351.1 |
| 5° | 2378.6 | 2374.4 | 2368.0 | 2368.0 | 2365.9 | 2368.0 | 2368.0 | 2363.8 | 2359.6 | 2351.1 | 2342.6 |
| 7.5° | 2361.7 | 2359.6 | 2351.1 | 2346.8 | 2346.8 | 2346.8 | 2351.1 | 2346.8 | 2344.7 | 2336.2 | 2327.8 |
| 10° | 2338.4 | 2334.1 | 2329.9 | 2329.9 | 2332.0 | 2332.0 | 2332.0 | 2334.1 | 2329.9 | 2319.3 | 2312.9 |
| 12.5° | 2312.9 | 2306.6 | 2302.3 | 2302.3 | 2304.4 | 2304.4 | 2306.6 | 2306.6 | 2306.6 | 2300.2 | 2300.2 |
| 15° | 2276.9 | 2274.8 | 2266.3 | 2268.4 | 2268.4 | 2272.6 | 2274.8 | 2276.9 | 2274.8 | 2281.1 | 2283.2 |
| 17.5° | 2236.6 | 2234.5 | 2226.0 | 2226.0 | 2230.2 | 2232.4 | 2238.7 | 2247.2 | 2251.4 | 2259.9 | 2270.5 |
| 20° | 2179.4 | 2179.4 | 2175.1 | 2179.4 | 2187.8 | 2192.1 | 2196.3 | 2211.2 | 2219.6 | 2236.6 | 2249.3 |
| 22.5° | 2126.4 | 2122.1 | 2122.1 | 2126.4 | 2134.8 | 2145.4 | 2153.9 | 2175.1 | 2190.0 | 2211.2 | 2228.1 |
| 25° | 2062.8 | 2060.6 | 2058.5 | 2069.1 | 2081.8 | 2092.4 | 2107.3 | 2132.7 | 2153.9 | 2179.4 | 2206.9 |
| 27.5° | 1994.9 | 1992.8 | 1997.0 | 2005.5 | 2028.8 | 2043.7 | 2056.4 | 2090.3 | 2115.8 | 2156.0 | 2192.1 |
| 30° | 1931.3 | 1925.0 | 1929.2 | 1941.9 | 1971.6 | 1992.8 | 2005.5 | 2043.7 | 2079.7 | 2126.4 | 2175.1 |
| 32.5° | 1857.1 | 1850.8 | 1859.2 | 1878.3 | 1912.2 | 1933.4 | 1956.8 | 1997.0 | 2039.4 | 2096.7 | 2166.6 |
| 35° | 1776.6 | 1778.7 | 1782.9 | 1812.6 | 1848.6 | 1874.1 | 1897.4 | 1950.4 | 2003.4 | 2073.4 | 2145.4 |
| 37.5° | 1696.0 | 1691.8 | 1708.7 | 1742.6 | 1785.0 | 1816.8 | 1840.2 | 1895.3 | 1969.5 | 2045.8 | 2122.1 |
| 40° | 1613.3 | 1617.6 | 1630.3 | 1668.4 | 1713.0 | 1753.2 | 1778.7 | 1850.8 | 1931.3 | 2009.8 | 2088.2 |
| 42.5° | 1528.5 | 1539.1 | 1551.8 | 1596.4 | 1651.5 | 1683.3 | 1721.4 | 1799.9 | 1884.7 | 1967.4 | 2047.9 |
| 45° | 1445.8 | 1454.3 | 1473.4 | 1522.2 | 1575.2 | 1617.6 | 1660.0 | 1742.6 | 1835.9 | 1922.8 | 2003.4 |
| 47.5° | 1358.9 | 1367.4 | 1392.8 | 1443.7 | 1503.1 | 1549.7 | 1594.2 | 1683.3 | 1778.7 | 1867.7 | 1939.8 |
| 50° | 1269.9 | 1282.6 | 1308.0 | 1358.9 | 1437.4 | 1479.8 | 1524.3 | 1621.8 | 1710.8 | 1797.8 | 1880.4 |
| 52.5° | 1187.2 | 1193.6 | 1233.8 | 1282.6 | 1363.2 | 1411.9 | 1454.3 | 1554.0 | 1638.8 | 1736.3 | 1827.4 |
| 55° | 1098.2 | 1110.9 | 1146.9 | 1195.7 | 1284.7 | 1335.6 | 1384.4 | 1479.8 | 1575.2 | 1676.9 | 1789.3 |
| 57.5° | 1011.2 | 1021.8 | 1060.0 | 1115.1 | 1210.5 | 1259.3 | 1305.9 | 1409.8 | 1507.3 | 1634.5 | 1780.8 |
| 60° | 924.3 | 937.0 | 975.2 | 1038.8 | 1134.2 | 1185.1 | 1233.8 | 1344.1 | 1471.3 | 1628.2 | 1816.8 |
| 62.5° | 833.2 | 854.4 | 881.9 | 960.4 | 1057.9 | 1108.8 | 1168.1 | 1295.3 | 1462.8 | 1662.1 | 1886.8 |
| 65° | 750.5 | 761.1 | 803.5 | 884.0 | 987.9 | 1047.3 | 1115.1 | 1278.4 | 1490.4 | 1734.2 | 1969.5 |
| 67.5° | 663.6 | 678.4 | 725.0 | 814.1 | 930.7 | 1000.6 | 1085.4 | 1295.3 | 1554.0 | 1812.6 | 2018.2 |
| 70° | 585.1 | 595.7 | 653.0 | 750.5 | 890.4 | 981.6 | 1085.4 | 1337.7 | 1615.4 | 1842.3 | 2003.4 |
| 72.5° | 498.2 | 515.2 | 585.1 | 703.8 | 873.4 | 983.7 | 1106.6 | 1382.2 | 1628.2 | 1802.0 | 1920.7 |
| 75° | 413.4 | 438.8 | 530.0 | 665.7 | 869.2 | 994.3 | 1125.7 | 1375.9 | 1568.8 | 1700.2 | 1804.1 |
| 77.5° | 343.4 | 375.2 | 477.0 | 640.2 | 860.7 | 983.7 | 1104.5 | 1301.7 | 1456.4 | 1581.5 | 1679.0 |
| 80° | 265.0 | 313.8 | 432.5 | 608.4 | 822.6 | 928.6 | 1026.1 | 1195.7 | 1320.8 | 1441.6 | 1547.6 |
| 82.5° | 201.4 | 256.5 | 385.8 | 559.7 | 744.1 | 833.2 | 909.5 | 1060.0 | 1191.4 | 1305.9 | 1435.2 |
| 85° | 144.2 | 203.5 | 332.8 | 487.6 | 642.4 | 720.8 | 790.8 | 932.8 | 1062.1 | 1191.4 | 1322.9 |
| 87.5° | 99.6 | 159.0 | 282.0 | 417.6 | 555.4 | 619.0 | 686.9 | 822.6 | 949.8 | 1074.8 | 1219.0 |
| 90° | 80.6 | 129.3 | 235.3 | 358.3 | 477.0 | 547.0 | 606.3 | 729.3 | 856.5 | 987.9 | 1121.5 |
| 92.5° | 76.3 | 108.1 | 197.2 | 303.2 | 413.4 | 470.6 | 525.8 | 638.1 | 756.8 | 879.8 | 998.5 |
| 95° | 70.0 | 86.9 | 154.8 | 245.9 | 339.2 | 390.1 | 434.6 | 540.6 | 640.2 | 748.4 | 862.8 |
| 97.5° | 65.7 | 70.0 | 118.7 | 190.8 | 269.2 | 311.6 | 347.7 | 430.4 | 519.4 | 602.1 | 706.0 |
| 100° | 59.4 | 61.5 | 91.2 | 148.4 | 205.6 | 241.7 | 271.4 | 339.2 | 402.8 | 468.5 | 538.5 |
| 102.5° | 53.0 | 53.0 | 70.0 | 110.2 | 161.1 | 184.4 | 209.9 | 265.0 | 311.6 | 354.0 | 407.0 |
| 105° | 46.6 | 46.6 | 55.1 | 84.8 | 120.8 | 144.2 | 161.1 | 201.4 | 237.4 | 269.2 | 303.2 |
| 107.5° | 42.4 | 40.3 | 44.5 | 65.7 | 95.4 | 112.4 | 129.3 | 159.0 | 186.6 | 207.8 | 231.1 |
| 110° | 33.9 | 33.9 | 36.0 | 53.0 | 78.4 | 91.2 | 106.0 | 129.3 | 152.6 | 167.5 | 180.2 |



TEST NUMBER: P237838

CATALOG NUMBER: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|------|------|------|-------|------|-------|-------|-------|-------|
| 112.5° | 29.7 | 27.6 | 27.6 | 42.4 | 63.6 | 76.3 | 86.9 | 110.2 | 129.3 | 142.0 | 148.4 |
| 115° | 23.3 | 23.3 | 21.2 | 31.8 | 50.9 | 63.6 | 72.1 | 93.3 | 110.2 | 120.8 | 127.2 |
| 117.5° | 19.1 | 19.1 | 19.1 | 23.3 | 42.4 | 50.9 | 61.5 | 80.6 | 95.4 | 106.0 | 112.4 |
| 120° | 14.8 | 14.8 | 14.8 | 14.8 | 31.8 | 40.3 | 50.9 | 67.8 | 82.7 | 93.3 | 99.6 |
| 122.5° | 12.7 | 10.6 | 10.6 | 10.6 | 21.2 | 31.8 | 38.2 | 55.1 | 70.0 | 80.6 | 89.0 |
| 125° | 8.5 | 8.5 | 8.5 | 6.4 | 14.8 | 21.2 | 29.7 | 44.5 | 57.2 | 67.8 | 74.2 |
| 127.5° | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 12.7 | 19.1 | 33.9 | 46.6 | 57.2 | 63.6 |
| 130° | 6.4 | 6.4 | 4.2 | 4.2 | 2.1 | 6.4 | 10.6 | 23.3 | 33.9 | 44.5 | 53.0 |
| 132.5° | 4.2 | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 4.2 | 14.8 | 25.4 | 33.9 | 40.3 |
| 135° | 4.2 | 4.2 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 8.5 | 17.0 | 23.3 | 29.7 |
| 137.5° | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 2.1 | 8.5 | 14.8 | 21.2 |
| 140° | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 6.4 | 12.7 |
| 142.5° | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 |
| 145° | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P237838

CATALOG NUMBER: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 | 2370.2 |
| 2.5° | 2351.1 | 2355.3 | 2355.3 | 2355.3 | 2355.3 | 2355.3 | 2351.1 | 2349.0 | 2346.8 | 2346.8 |
| 5° | 2340.5 | 2344.7 | 2346.8 | 2346.8 | 2346.8 | 2346.8 | 2344.7 | 2342.6 | 2340.5 | 2338.4 |
| 7.5° | 2327.8 | 2334.1 | 2338.4 | 2340.5 | 2340.5 | 2340.5 | 2338.4 | 2338.4 | 2334.1 | 2332.0 |
| 10° | 2315.0 | 2321.4 | 2327.8 | 2332.0 | 2334.1 | 2334.1 | 2334.1 | 2334.1 | 2332.0 | 2329.9 |
| 12.5° | 2306.6 | 2317.2 | 2325.6 | 2329.9 | 2329.9 | 2332.0 | 2336.2 | 2336.2 | 2334.1 | 2332.0 |
| 15° | 2296.0 | 2312.9 | 2323.5 | 2329.9 | 2329.9 | 2334.1 | 2342.6 | 2342.6 | 2340.5 | 2342.6 |
| 17.5° | 2287.5 | 2304.4 | 2321.4 | 2332.0 | 2336.2 | 2342.6 | 2349.0 | 2351.1 | 2353.2 | 2351.1 |
| 20° | 2270.5 | 2298.1 | 2321.4 | 2334.1 | 2342.6 | 2344.7 | 2359.6 | 2370.2 | 2370.2 | 2365.9 |
| 22.5° | 2264.2 | 2296.0 | 2323.5 | 2351.1 | 2355.3 | 2363.8 | 2382.9 | 2393.5 | 2399.8 | 2399.8 |
| 25° | 2251.4 | 2293.8 | 2334.1 | 2368.0 | 2382.9 | 2393.5 | 2412.6 | 2429.5 | 2425.3 | 2431.6 |
| 27.5° | 2245.1 | 2296.0 | 2336.2 | 2378.6 | 2399.8 | 2410.4 | 2438.0 | 2448.6 | 2455.0 | 2459.2 |
| 30° | 2240.8 | 2298.1 | 2342.6 | 2389.2 | 2406.2 | 2427.4 | 2452.8 | 2469.8 | 2478.3 | 2476.2 |
| 32.5° | 2234.5 | 2291.7 | 2349.0 | 2389.2 | 2414.7 | 2431.6 | 2457.1 | 2476.2 | 2488.9 | 2491.0 |
| 35° | 2219.6 | 2285.4 | 2338.4 | 2387.1 | 2406.2 | 2427.4 | 2457.1 | 2467.7 | 2488.9 | 2493.1 |
| 37.5° | 2200.6 | 2264.2 | 2315.0 | 2368.0 | 2387.1 | 2404.1 | 2440.1 | 2450.7 | 2459.2 | 2465.6 |
| 40° | 2170.9 | 2230.2 | 2285.4 | 2336.2 | 2353.2 | 2372.3 | 2397.7 | 2414.7 | 2427.4 | 2425.3 |
| 42.5° | 2132.7 | 2187.8 | 2240.8 | 2296.0 | 2308.7 | 2329.9 | 2361.7 | 2380.8 | 2393.5 | 2397.7 |
| 45° | 2071.2 | 2134.8 | 2196.3 | 2245.1 | 2270.5 | 2293.8 | 2329.9 | 2351.1 | 2365.9 | 2380.8 |
| 47.5° | 2011.9 | 2090.3 | 2160.3 | 2215.4 | 2245.1 | 2268.4 | 2312.9 | 2344.7 | 2368.0 | 2376.5 |
| 50° | 1965.2 | 2045.8 | 2126.4 | 2209.0 | 2240.8 | 2270.5 | 2321.4 | 2355.3 | 2380.8 | 2393.5 |
| 52.5° | 1927.1 | 2024.6 | 2126.4 | 2228.1 | 2272.6 | 2308.7 | 2368.0 | 2410.4 | 2444.4 | 2455.0 |
| 55° | 1912.2 | 2035.2 | 2164.5 | 2281.1 | 2332.0 | 2378.6 | 2446.5 | 2486.8 | 2520.7 | 2527.0 |
| 57.5° | 1937.7 | 2103.0 | 2245.1 | 2365.9 | 2416.8 | 2455.0 | 2520.7 | 2554.6 | 2582.2 | 2586.4 |
| 60° | 2007.6 | 2181.5 | 2329.9 | 2433.8 | 2486.8 | 2520.7 | 2569.4 | 2594.9 | 2614.0 | 2614.0 |
| 62.5° | 2094.6 | 2251.4 | 2380.8 | 2467.7 | 2505.8 | 2531.3 | 2561.0 | 2590.6 | 2597.0 | 2605.5 |
| 65° | 2160.3 | 2296.0 | 2385.0 | 2448.6 | 2482.5 | 2493.1 | 2524.9 | 2537.6 | 2554.6 | 2554.6 |
| 67.5° | 2164.5 | 2272.6 | 2336.2 | 2387.1 | 2406.2 | 2421.0 | 2459.2 | 2474.0 | 2486.8 | 2488.9 |
| 70° | 2107.3 | 2181.5 | 2253.6 | 2298.1 | 2319.3 | 2349.0 | 2385.0 | 2408.3 | 2421.0 | 2423.2 |
| 72.5° | 2016.1 | 2084.0 | 2156.0 | 2223.9 | 2253.6 | 2279.0 | 2325.6 | 2357.4 | 2370.2 | 2378.6 |
| 75° | 1905.9 | 1980.1 | 2067.0 | 2147.6 | 2177.2 | 2202.7 | 2268.4 | 2298.1 | 2323.5 | 2325.6 |
| 77.5° | 1787.2 | 1876.2 | 1978.0 | 2064.9 | 2103.0 | 2147.6 | 2200.6 | 2245.1 | 2264.2 | 2281.1 |
| 80° | 1668.4 | 1782.9 | 1886.8 | 1988.6 | 2024.6 | 2075.5 | 2139.1 | 2190.0 | 2211.2 | 2230.2 |
| 82.5° | 1556.1 | 1685.4 | 1812.6 | 1916.5 | 1956.8 | 2001.3 | 2067.0 | 2124.2 | 2143.3 | 2156.0 |
| 85° | 1458.6 | 1592.1 | 1717.2 | 1823.2 | 1874.1 | 1912.2 | 1986.4 | 2035.2 | 2062.8 | 2073.4 |
| 87.5° | 1354.7 | 1490.4 | 1613.3 | 1727.8 | 1770.2 | 1808.4 | 1884.7 | 1937.7 | 1963.1 | 1969.5 |
| 90° | 1252.9 | 1392.8 | 1507.3 | 1607.0 | 1657.8 | 1704.5 | 1774.4 | 1823.2 | 1848.6 | 1848.6 |
| 92.5° | 1123.6 | 1257.2 | 1378.0 | 1469.2 | 1517.9 | 1556.1 | 1632.4 | 1668.4 | 1710.8 | 1710.8 |
| 95° | 975.2 | 1091.8 | 1204.2 | 1297.4 | 1337.7 | 1378.0 | 1441.6 | 1490.4 | 1513.7 | 1524.3 |
| 97.5° | 807.7 | 896.8 | 998.5 | 1074.8 | 1130.0 | 1142.7 | 1212.6 | 1261.4 | 1286.8 | 1278.4 |
| 100° | 608.4 | 678.4 | 759.0 | 822.6 | 865.0 | 888.3 | 937.0 | 964.6 | 1002.8 | 1007.0 |
| 102.5° | 453.7 | 504.6 | 551.2 | 587.2 | 621.2 | 631.8 | 665.7 | 693.2 | 710.2 | 729.3 |
| 105° | 332.8 | 362.5 | 390.1 | 415.5 | 421.9 | 441.0 | 468.5 | 487.6 | 477.0 | 479.1 |
| 107.5° | 248.0 | 262.9 | 277.7 | 286.2 | 296.8 | 309.5 | 315.9 | 315.9 | 326.5 | 330.7 |
| 110° | 188.7 | 197.2 | 203.5 | 205.6 | 209.9 | 209.9 | 209.9 | 209.9 | 212.0 | 216.2 |



TEST NUMBER: P237838

CATALOG NUMBER: 8VT2-LD5-12-DR100-W-UNV-L850-CD2-WL-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 150.5 | 154.8 | 154.8 | 154.8 | 152.6 | 152.6 | 150.5 | 148.4 | 144.2 | 148.4 |
| 115° | 129.3 | 129.3 | 125.1 | 123.0 | 120.8 | 118.7 | 114.5 | 110.2 | 108.1 | 112.4 |
| 117.5° | 114.5 | 112.4 | 110.2 | 103.9 | 101.8 | 99.6 | 95.4 | 93.3 | 89.0 | 86.9 |
| 120° | 101.8 | 101.8 | 97.5 | 95.4 | 93.3 | 89.0 | 84.8 | 82.7 | 78.4 | 76.3 |
| 122.5° | 91.2 | 91.2 | 89.0 | 86.9 | 84.8 | 82.7 | 78.4 | 76.3 | 72.1 | 72.1 |
| 125° | 78.4 | 80.6 | 80.6 | 78.4 | 76.3 | 76.3 | 72.1 | 70.0 | 67.8 | 67.8 |
| 127.5° | 67.8 | 70.0 | 72.1 | 72.1 | 70.0 | 70.0 | 67.8 | 65.7 | 63.6 | 61.5 |
| 130° | 57.2 | 61.5 | 61.5 | 63.6 | 63.6 | 61.5 | 61.5 | 59.4 | 57.2 | 57.2 |
| 132.5° | 46.6 | 50.9 | 53.0 | 53.0 | 55.1 | 55.1 | 55.1 | 53.0 | 53.0 | 50.9 |
| 135° | 36.0 | 40.3 | 42.4 | 44.5 | 44.5 | 46.6 | 46.6 | 44.5 | 44.5 | 44.5 |
| 137.5° | 27.6 | 29.7 | 33.9 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| 140° | 17.0 | 21.2 | 25.4 | 25.4 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 142.5° | 8.5 | 12.7 | 14.8 | 17.0 | 17.0 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 |
| 145° | 2.1 | 4.2 | 6.4 | 8.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)