

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: P237882

Luminaire Tested: **8VT2-LD5-16-DR-W-UNV-L840-CD2-WL-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P237882  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-355-14)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8VT2-LD5-16-DR-W-UNV-L840-CD2-WL-U  
Description: METALUX VT2 LED LUMINAIRE  
INTERNAL PRISMATIC LENS/15% DR HIGH IMPACT ADDITIVE WIDE DISTRIBUTION  
8FT FIXTURE  
Light Source: (448) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15236.0 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.59 / 1.58  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 8.33' x H: 0.17')  
CIE Type: Direct

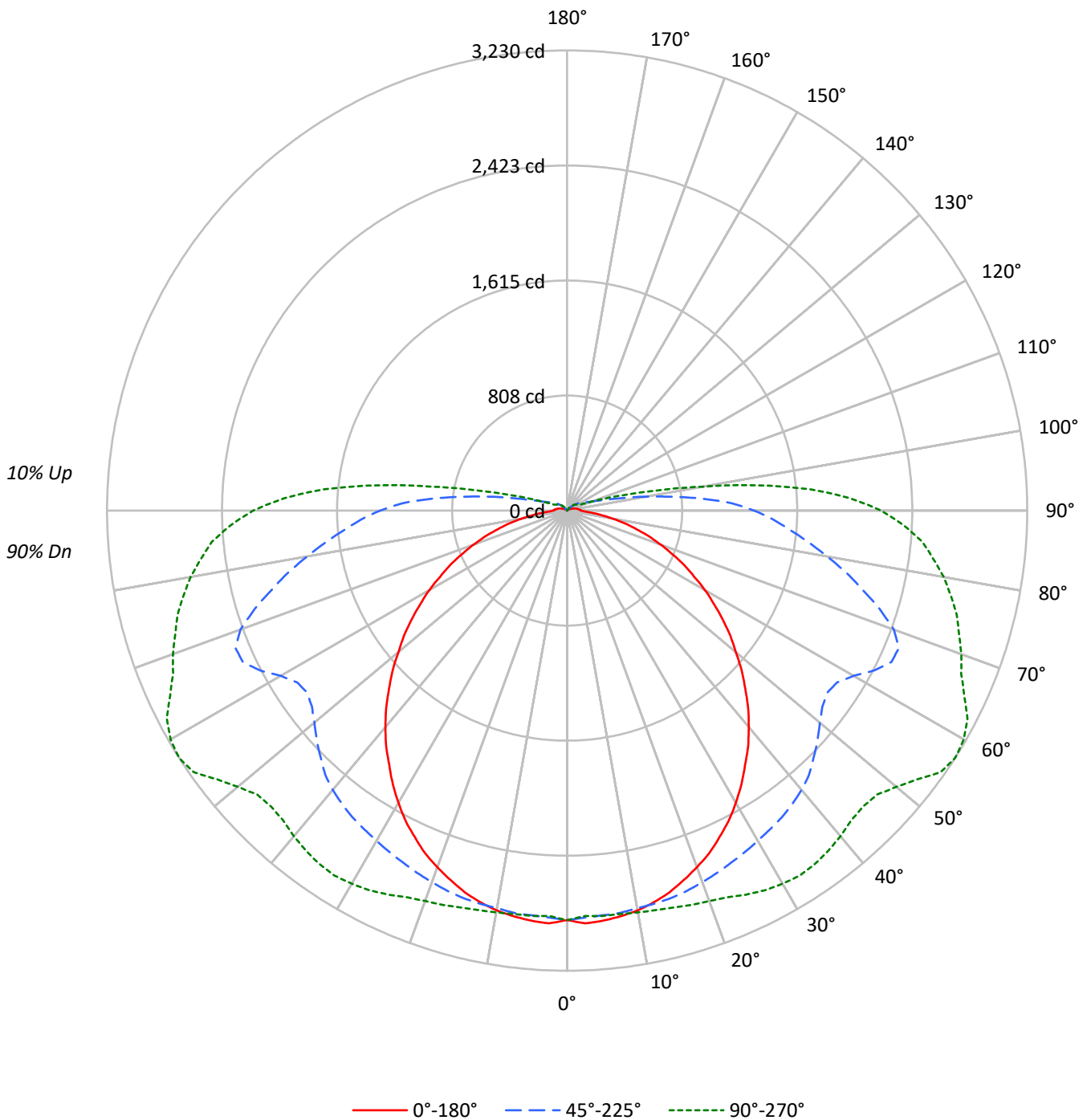
Input Watts (W): 117  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P237882

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### Luminous Intensity Polar Plot





TEST NUMBER: P237882

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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   | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 106 | 106 | 106 | 99 | 99 | 99 | 93 | 93 | 93 | 90 |
| 1   | 101 | 94  | 88  | 83  | 97  | 91  | 85  | 80  | 85  | 80  | 76  | 79 | 75 | 72 | 74 | 71 | 68 | 65 |
| 2   | 90  | 79  | 71  | 63  | 86  | 77  | 69  | 62  | 71  | 64  | 59  | 66 | 61 | 56 | 62 | 57 | 53 | 50 |
| 3   | 81  | 68  | 58  | 50  | 77  | 66  | 57  | 49  | 61  | 53  | 47  | 57 | 50 | 45 | 53 | 47 | 43 | 40 |
| 4   | 73  | 59  | 49  | 41  | 70  | 57  | 48  | 40  | 53  | 45  | 39  | 50 | 43 | 37 | 46 | 40 | 35 | 33 |
| 5   | 67  | 52  | 42  | 35  | 64  | 51  | 41  | 34  | 47  | 39  | 33  | 44 | 37 | 31 | 41 | 35 | 30 | 27 |
| 6   | 62  | 47  | 37  | 30  | 59  | 45  | 36  | 29  | 42  | 34  | 28  | 40 | 32 | 27 | 37 | 31 | 26 | 23 |
| 7   | 57  | 42  | 33  | 26  | 55  | 41  | 32  | 25  | 38  | 30  | 24  | 36 | 29 | 24 | 34 | 27 | 23 | 20 |
| 8   | 53  | 38  | 29  | 23  | 51  | 37  | 28  | 22  | 35  | 27  | 22  | 33 | 26 | 21 | 31 | 25 | 20 | 18 |
| 9   | 49  | 35  | 26  | 20  | 47  | 34  | 26  | 20  | 32  | 24  | 19  | 30 | 23 | 19 | 28 | 22 | 18 | 16 |
| 10  | 46  | 32  | 24  | 18  | 44  | 31  | 23  | 18  | 30  | 22  | 17  | 28 | 21 | 17 | 26 | 20 | 16 | 14 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 7425 | 7425  | 7425  |
| 5°  | 7482 | 7238  | 7197  |
| 10° | 7450 | 7121  | 7096  |
| 15° | 7380 | 7059  | 7081  |
| 20° | 7271 | 6996  | 7149  |
| 25° | 7145 | 6960  | 7337  |
| 30° | 6983 | 6976  | 7565  |
| 35° | 6774 | 7054  | 7748  |
| 40° | 6581 | 7137  | 7864  |
| 45° | 6333 | 7156  | 8051  |
| 50° | 6069 | 7173  | 8675  |
| 55° | 5833 | 7396  | 9765  |
| 60° | 5583 | 8367  | 10528 |
| 65° | 5310 | 9999  | 10965 |
| 70° | 4998 | 10929 | 11607 |
| 75° | 4663 | 11085 | 12597 |
| 80° | 4302 | 11400 | 13815 |
| 85° | 4101 | 12085 | 15419 |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 273.2   | 1.8       |
| 10°-20°   | 799.7   | 5.2       |
| 20°-30°   | 1268.9  | 8.3       |
| 30°-40°   | 1641.9  | 10.8      |
| 40°-50°   | 1858.5  | 12.2      |
| 50°-60°   | 2040.6  | 13.4      |
| 60°-70°   | 2165.4  | 14.2      |
| 70°-80°   | 2030.0  | 13.3      |
| 80°-90°   | 1641.9  | 10.8      |
| 90°-100°  | 1017.2  | 6.7       |
| 100°-110° | 319.1   | 2.1       |
| 110°-120° | 101.5   | 0.7       |
| 120°-130° | 52.7    | 0.3       |
| 130°-140° | 22.1    | 0.1       |
| 140°-150° | 3.4     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-30°    | 2341.8  | 15.4      |
| 0°-40°    | 3983.6  | 26.1      |
| 0°-60°    | 7882.7  | 51.7      |
| 0°-90°    | 13720.0 | 90.0      |
| 90°-120°  | 1437.8  | 9.4       |
| 90°-150°  | 1516.0  | 10.0      |
| 90°-180°  | 1516.0  | 10.0      |
| 0°-180°   | 15236.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 2874 | 2874  | 2874 | 2874  | 2874 |      |
| 5°   | 2890 | 2880  | 2852 | 2864  | 2856 | 274  |
| 15°  | 2774 | 2786  | 2816 | 2878  | 2884 | 782  |
| 25°  | 2530 | 2588  | 2726 | 2908  | 2974 | 1165 |
| 35°  | 2178 | 2318  | 2628 | 2940  | 3030 | 1365 |
| 45°  | 1768 | 1988  | 2448 | 2800  | 2938 | 1365 |
| 55°  | 1332 | 1624  | 2228 | 2970  | 3200 | 1192 |
| 65°  | 906  | 1292  | 2512 | 2996  | 3076 | 896  |
| 75°  | 502  | 1258  | 2146 | 2628  | 2832 | 535  |
| 85°  | 170  | 850   | 1572 | 2260  | 2502 | 172  |
| 90°  | 96   | 634   | 1312 | 1960  | 2204 | 55   |
| 95°  | 84   | 440   | 956  | 1496  | 1712 | 66   |
| 105° | 56   | 156   | 300  | 396   | 430  | 60   |
| 115° | 28   | 72    | 136  | 118   | 100  | 28   |
| 125° | 10   | 24    | 84   | 84    | 72   | 10   |
| 135° | 4    | 0     | 34   | 50    | 48   | 4    |
| 145° | 2    | 0     | 0    | 10    | 10   | 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: P237882

CATALOG NUMBER: 8VT2-LD5-16-DR-W-UNV-L840-CD2-WL-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 |
| 2.5°   | 2900.1 | 2896.1 | 2890.1 | 2888.1 | 2886.1 | 2886.1 | 2888.1 | 2884.1 | 2878.1 | 2868.1 | 2860.1 |
| 5°     | 2890.1 | 2886.1 | 2880.1 | 2876.1 | 2880.1 | 2880.1 | 2882.1 | 2878.1 | 2870.1 | 2862.1 | 2852.1 |
| 7.5°   | 2872.1 | 2868.1 | 2862.1 | 2862.1 | 2860.1 | 2862.1 | 2862.1 | 2862.1 | 2858.1 | 2854.1 | 2848.1 |
| 10°    | 2850.1 | 2844.1 | 2842.1 | 2840.1 | 2842.1 | 2846.1 | 2846.1 | 2848.1 | 2844.1 | 2838.1 | 2834.1 |
| 12.5°  | 2816.1 | 2814.1 | 2808.1 | 2810.1 | 2812.1 | 2818.1 | 2822.1 | 2826.1 | 2828.1 | 2826.1 | 2826.1 |
| 15°    | 2774.1 | 2770.1 | 2768.1 | 2772.1 | 2784.1 | 2786.1 | 2790.1 | 2800.1 | 2804.1 | 2812.1 | 2816.1 |
| 17.5°  | 2720.1 | 2720.1 | 2720.1 | 2728.1 | 2742.1 | 2746.1 | 2754.1 | 2764.1 | 2774.1 | 2784.1 | 2798.1 |
| 20°    | 2664.1 | 2664.1 | 2664.1 | 2674.1 | 2690.1 | 2702.1 | 2710.1 | 2724.1 | 2740.1 | 2762.1 | 2776.1 |
| 22.5°  | 2604.1 | 2600.1 | 2600.1 | 2610.1 | 2634.1 | 2640.1 | 2656.1 | 2684.1 | 2708.1 | 2734.1 | 2752.1 |
| 25°    | 2530.1 | 2526.1 | 2532.1 | 2546.1 | 2574.1 | 2588.1 | 2606.1 | 2638.1 | 2662.1 | 2698.1 | 2726.1 |
| 27.5°  | 2456.1 | 2450.1 | 2458.1 | 2476.1 | 2514.1 | 2530.1 | 2552.1 | 2590.1 | 2618.1 | 2658.1 | 2702.1 |
| 30°    | 2368.1 | 2368.1 | 2378.1 | 2402.1 | 2440.1 | 2462.1 | 2486.1 | 2532.1 | 2570.1 | 2620.1 | 2676.1 |
| 32.5°  | 2278.1 | 2274.1 | 2292.1 | 2318.1 | 2368.1 | 2394.1 | 2420.1 | 2472.1 | 2520.1 | 2584.1 | 2652.1 |
| 35°    | 2178.1 | 2180.1 | 2198.1 | 2232.1 | 2292.1 | 2318.1 | 2346.1 | 2406.1 | 2470.1 | 2548.1 | 2628.1 |
| 37.5°  | 2086.1 | 2082.1 | 2106.1 | 2152.1 | 2210.1 | 2240.1 | 2270.1 | 2344.1 | 2416.1 | 2504.1 | 2596.1 |
| 40°    | 1984.1 | 1986.1 | 2008.1 | 2060.1 | 2120.1 | 2154.1 | 2188.1 | 2274.1 | 2360.1 | 2454.1 | 2560.1 |
| 42.5°  | 1880.1 | 1882.1 | 1912.1 | 1968.1 | 2034.1 | 2072.1 | 2114.1 | 2204.1 | 2302.1 | 2406.1 | 2514.1 |
| 45°    | 1768.1 | 1772.1 | 1808.1 | 1874.1 | 1940.1 | 1988.1 | 2034.1 | 2132.1 | 2242.1 | 2346.1 | 2448.1 |
| 47.5°  | 1662.1 | 1668.1 | 1714.1 | 1774.1 | 1850.1 | 1900.1 | 1950.1 | 2062.1 | 2170.1 | 2276.1 | 2384.1 |
| 50°    | 1546.1 | 1564.1 | 1604.1 | 1672.1 | 1758.1 | 1806.1 | 1862.1 | 1978.1 | 2092.1 | 2206.1 | 2316.1 |
| 52.5°  | 1444.1 | 1452.1 | 1502.1 | 1568.1 | 1660.1 | 1716.1 | 1768.1 | 1892.1 | 2012.1 | 2130.1 | 2258.1 |
| 55°    | 1332.1 | 1344.1 | 1398.1 | 1466.1 | 1562.1 | 1624.1 | 1682.1 | 1806.1 | 1938.1 | 2070.1 | 2228.1 |
| 57.5°  | 1222.0 | 1236.0 | 1294.0 | 1364.1 | 1470.1 | 1526.1 | 1594.1 | 1724.1 | 1868.1 | 2038.1 | 2246.1 |
| 60°    | 1118.0 | 1128.0 | 1182.0 | 1262.0 | 1372.1 | 1436.1 | 1506.1 | 1656.1 | 1832.1 | 2060.1 | 2320.1 |
| 62.5°  | 1006.0 | 1024.0 | 1074.0 | 1164.0 | 1290.0 | 1356.1 | 1436.1 | 1612.1 | 1846.1 | 2132.1 | 2430.1 |
| 65°    | 906.0  | 920.0  | 976.0  | 1076.0 | 1210.0 | 1292.0 | 1384.1 | 1614.1 | 1912.1 | 2228.1 | 2512.1 |
| 67.5°  | 800.0  | 824.0  | 882.0  | 992.0  | 1150.0 | 1248.0 | 1366.1 | 1656.1 | 1994.1 | 2298.1 | 2520.1 |
| 70°    | 698.0  | 722.0  | 796.0  | 926.0  | 1114.0 | 1238.0 | 1380.1 | 1720.1 | 2046.1 | 2288.1 | 2440.1 |
| 72.5°  | 602.0  | 626.0  | 720.0  | 872.0  | 1102.0 | 1248.0 | 1410.1 | 1750.1 | 2016.1 | 2178.1 | 2300.1 |
| 75°    | 502.0  | 536.0  | 652.0  | 836.0  | 1100.0 | 1258.0 | 1422.1 | 1700.1 | 1894.1 | 2030.1 | 2146.1 |
| 77.5°  | 416.0  | 458.0  | 592.0  | 802.0  | 1084.0 | 1228.0 | 1354.1 | 1570.1 | 1736.1 | 1870.1 | 2004.1 |
| 80°    | 322.0  | 380.0  | 538.0  | 758.0  | 1010.0 | 1124.0 | 1228.0 | 1404.1 | 1568.1 | 1710.1 | 1852.1 |
| 82.5°  | 240.0  | 312.0  | 474.0  | 686.0  | 892.0  | 988.0  | 1084.0 | 1248.0 | 1402.1 | 1550.1 | 1710.1 |
| 85°    | 170.0  | 244.0  | 406.0  | 588.0  | 766.0  | 850.0  | 936.0  | 1096.0 | 1248.0 | 1406.1 | 1572.1 |
| 87.5°  | 120.0  | 190.0  | 334.0  | 496.0  | 656.0  | 726.0  | 806.0  | 958.0  | 1118.0 | 1274.0 | 1448.1 |
| 90°    | 96.0   | 152.0  | 278.0  | 418.0  | 560.0  | 634.0  | 706.0  | 852.0  | 998.0  | 1150.0 | 1312.0 |
| 92.5°  | 92.0   | 126.0  | 230.0  | 352.0  | 476.0  | 540.0  | 604.0  | 736.0  | 870.0  | 1006.0 | 1160.0 |
| 95°    | 84.0   | 102.0  | 178.0  | 282.0  | 386.0  | 440.0  | 496.0  | 602.0  | 718.0  | 832.0  | 956.0  |
| 97.5°  | 78.0   | 84.0   | 138.0  | 220.0  | 304.0  | 342.0  | 384.0  | 474.0  | 556.0  | 644.0  | 740.0  |
| 100°   | 70.0   | 72.0   | 104.0  | 164.0  | 232.0  | 266.0  | 302.0  | 362.0  | 424.0  | 494.0  | 560.0  |
| 102.5° | 64.0   | 64.0   | 82.0   | 124.0  | 174.0  | 200.0  | 226.0  | 278.0  | 322.0  | 368.0  | 406.0  |
| 105°   | 56.0   | 56.0   | 66.0   | 94.0   | 134.0  | 156.0  | 176.0  | 212.0  | 248.0  | 278.0  | 300.0  |
| 107.5° | 50.0   | 48.0   | 52.0   | 76.0   | 108.0  | 124.0  | 142.0  | 170.0  | 196.0  | 216.0  | 234.0  |
| 110°   | 42.0   | 42.0   | 42.0   | 62.0   | 88.0   | 102.0  | 116.0  | 140.0  | 162.0  | 176.0  | 184.0  |



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CATALOG NUMBER: 8VT2-LD5-16-DR-W-UNV-L840-CD2-WL-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 10°  | 15°  | 20°  | 22.5° | 25°  | 30°   | 35°   | 40°   | 45°   |
|--------|------|------|------|------|------|-------|------|-------|-------|-------|-------|
| 112.5° | 34.0 | 34.0 | 34.0 | 50.0 | 72.0 | 86.0  | 98.0 | 120.0 | 138.0 | 150.0 | 156.0 |
| 115°   | 28.0 | 28.0 | 26.0 | 38.0 | 60.0 | 72.0  | 82.0 | 104.0 | 120.0 | 130.0 | 136.0 |
| 117.5° | 22.0 | 22.0 | 22.0 | 28.0 | 48.0 | 58.0  | 70.0 | 88.0  | 106.0 | 116.0 | 122.0 |
| 120°   | 18.0 | 18.0 | 16.0 | 18.0 | 36.0 | 46.0  | 56.0 | 76.0  | 92.0  | 102.0 | 108.0 |
| 122.5° | 14.0 | 14.0 | 12.0 | 12.0 | 26.0 | 34.0  | 44.0 | 62.0  | 78.0  | 88.0  | 96.0  |
| 125°   | 10.0 | 10.0 | 10.0 | 8.0  | 16.0 | 24.0  | 34.0 | 50.0  | 64.0  | 76.0  | 84.0  |
| 127.5° | 8.0  | 8.0  | 8.0  | 6.0  | 8.0  | 14.0  | 22.0 | 38.0  | 52.0  | 62.0  | 70.0  |
| 130°   | 6.0  | 6.0  | 6.0  | 4.0  | 4.0  | 8.0   | 14.0 | 26.0  | 38.0  | 48.0  | 58.0  |
| 132.5° | 6.0  | 6.0  | 4.0  | 4.0  | 2.0  | 2.0   | 6.0  | 16.0  | 28.0  | 36.0  | 44.0  |
| 135°   | 4.0  | 4.0  | 4.0  | 2.0  | 2.0  | 0.0   | 0.0  | 8.0   | 18.0  | 26.0  | 34.0  |
| 137.5° | 4.0  | 4.0  | 2.0  | 2.0  | 0.0  | 0.0   | 0.0  | 2.0   | 10.0  | 16.0  | 22.0  |
| 140°   | 4.0  | 2.0  | 2.0  | 2.0  | 0.0  | 0.0   | 0.0  | 0.0   | 2.0   | 8.0   | 14.0  |
| 142.5° | 2.0  | 2.0  | 2.0  | 0.0  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 4.0   |
| 145°   | 2.0  | 2.0  | 2.0  | 0.0  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 147.5° | 2.0  | 2.0  | 2.0  | 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   |



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CATALOG NUMBER: 8VT2-LD5-16-DR-W-UNV-L840-CD2-WL-U

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 | 2874.1 |
| 2.5°   | 2856.1 | 2858.1 | 2862.1 | 2862.1 | 2860.1 | 2860.1 | 2858.1 | 2856.1 | 2852.1 | 2848.1 |
| 5°     | 2852.1 | 2856.1 | 2862.1 | 2864.1 | 2864.1 | 2862.1 | 2862.1 | 2862.1 | 2860.1 | 2856.1 |
| 7.5°   | 2850.1 | 2856.1 | 2862.1 | 2864.1 | 2866.1 | 2866.1 | 2864.1 | 2862.1 | 2858.1 | 2856.1 |
| 10°    | 2840.1 | 2852.1 | 2858.1 | 2864.1 | 2868.1 | 2868.1 | 2870.1 | 2870.1 | 2866.1 | 2864.1 |
| 12.5°  | 2836.1 | 2850.1 | 2860.1 | 2868.1 | 2874.1 | 2874.1 | 2878.1 | 2882.1 | 2870.1 | 2872.1 |
| 15°    | 2828.1 | 2848.1 | 2864.1 | 2874.1 | 2878.1 | 2880.1 | 2884.1 | 2886.1 | 2882.1 | 2884.1 |
| 17.5°  | 2818.1 | 2844.1 | 2860.1 | 2874.1 | 2876.1 | 2882.1 | 2894.1 | 2900.1 | 2900.1 | 2902.1 |
| 20°    | 2804.1 | 2834.1 | 2856.1 | 2878.1 | 2886.1 | 2892.1 | 2904.1 | 2916.1 | 2912.1 | 2916.1 |
| 22.5°  | 2788.1 | 2822.1 | 2854.1 | 2880.1 | 2890.1 | 2902.1 | 2922.1 | 2934.1 | 2940.1 | 2938.1 |
| 25°    | 2774.1 | 2818.1 | 2856.1 | 2896.1 | 2908.1 | 2924.1 | 2948.1 | 2964.1 | 2970.1 | 2974.1 |
| 27.5°  | 2758.1 | 2812.1 | 2864.1 | 2908.1 | 2928.1 | 2948.1 | 2978.1 | 2996.1 | 3002.1 | 3004.1 |
| 30°    | 2746.1 | 2814.1 | 2868.1 | 2920.1 | 2942.1 | 2964.1 | 2996.1 | 3014.1 | 3022.1 | 3024.1 |
| 32.5°  | 2734.1 | 2806.1 | 2868.1 | 2924.1 | 2946.1 | 2966.1 | 3004.1 | 3032.1 | 3038.1 | 3038.1 |
| 35°    | 2718.1 | 2790.1 | 2860.1 | 2918.1 | 2940.1 | 2962.1 | 3004.1 | 3026.1 | 3032.1 | 3030.1 |
| 37.5°  | 2690.1 | 2770.1 | 2842.1 | 2894.1 | 2916.1 | 2936.1 | 2978.1 | 3002.1 | 3012.1 | 3010.1 |
| 40°    | 2650.1 | 2732.1 | 2802.1 | 2860.1 | 2880.1 | 2902.1 | 2946.1 | 2966.1 | 2980.1 | 2984.1 |
| 42.5°  | 2602.1 | 2684.1 | 2754.1 | 2812.1 | 2838.1 | 2864.1 | 2908.1 | 2930.1 | 2946.1 | 2950.1 |
| 45°    | 2542.1 | 2626.1 | 2702.1 | 2770.1 | 2800.1 | 2826.1 | 2880.1 | 2918.1 | 2934.1 | 2938.1 |
| 47.5°  | 2480.1 | 2576.1 | 2662.1 | 2744.1 | 2782.1 | 2822.1 | 2882.1 | 2930.1 | 2952.1 | 2950.1 |
| 50°    | 2422.1 | 2538.1 | 2646.1 | 2754.1 | 2804.1 | 2850.1 | 2926.1 | 2978.1 | 3004.1 | 3016.1 |
| 52.5°  | 2394.1 | 2538.1 | 2682.1 | 2810.1 | 2868.1 | 2918.1 | 3008.1 | 3068.1 | 3098.1 | 3098.1 |
| 55°    | 2408.1 | 2594.1 | 2760.1 | 2908.1 | 2970.1 | 3024.1 | 3102.1 | 3160.1 | 3186.1 | 3200.1 |
| 57.5°  | 2472.1 | 2688.1 | 2866.1 | 3006.1 | 3064.1 | 3110.1 | 3182.1 | 3210.1 | 3238.1 | 3230.1 |
| 60°    | 2580.1 | 2786.1 | 2944.1 | 3066.1 | 3106.1 | 3130.1 | 3176.1 | 3200.1 | 3214.1 | 3214.1 |
| 62.5°  | 2670.1 | 2856.1 | 2966.1 | 3038.1 | 3074.1 | 3094.1 | 3132.1 | 3150.1 | 3168.1 | 3168.1 |
| 65°    | 2710.1 | 2832.1 | 2916.1 | 2980.1 | 2996.1 | 3020.1 | 3046.1 | 3064.1 | 3080.1 | 3076.1 |
| 67.5°  | 2662.1 | 2750.1 | 2816.1 | 2874.1 | 2894.1 | 2918.1 | 2950.1 | 2976.1 | 2990.1 | 2994.1 |
| 70°    | 2542.1 | 2626.1 | 2688.1 | 2760.1 | 2790.1 | 2820.1 | 2876.1 | 2914.1 | 2936.1 | 2944.1 |
| 72.5°  | 2402.1 | 2490.1 | 2586.1 | 2668.1 | 2714.1 | 2748.1 | 2810.1 | 2850.1 | 2880.1 | 2884.1 |
| 75°    | 2258.1 | 2368.1 | 2478.1 | 2582.1 | 2628.1 | 2676.1 | 2746.1 | 2792.1 | 2826.1 | 2832.1 |
| 77.5°  | 2128.1 | 2254.1 | 2390.1 | 2502.1 | 2558.1 | 2600.1 | 2676.1 | 2720.1 | 2756.1 | 2758.1 |
| 80°    | 1998.1 | 2146.1 | 2284.1 | 2400.1 | 2456.1 | 2510.1 | 2582.1 | 2640.1 | 2670.1 | 2684.1 |
| 82.5°  | 1872.1 | 2024.1 | 2172.1 | 2306.1 | 2356.1 | 2408.1 | 2490.1 | 2546.1 | 2580.1 | 2592.1 |
| 85°    | 1748.1 | 1914.1 | 2068.1 | 2198.1 | 2260.1 | 2312.1 | 2400.1 | 2452.1 | 2492.1 | 2502.1 |
| 87.5°  | 1618.1 | 1780.1 | 1934.1 | 2062.1 | 2126.1 | 2172.1 | 2262.1 | 2316.1 | 2356.1 | 2364.1 |
| 90°    | 1478.1 | 1630.1 | 1780.1 | 1900.1 | 1960.1 | 2010.1 | 2106.1 | 2156.1 | 2186.1 | 2204.1 |
| 92.5°  | 1304.0 | 1450.1 | 1588.1 | 1706.1 | 1768.1 | 1804.1 | 1894.1 | 1948.1 | 1980.1 | 1988.1 |
| 95°    | 1088.0 | 1212.0 | 1336.1 | 1442.1 | 1496.1 | 1550.1 | 1610.1 | 1662.1 | 1706.1 | 1712.1 |
| 97.5°  | 840.0  | 944.0  | 1046.0 | 1150.0 | 1184.0 | 1216.0 | 1266.0 | 1320.1 | 1360.1 | 1358.1 |
| 100°   | 626.0  | 686.0  | 758.0  | 812.0  | 838.0  | 874.0  | 922.0  | 954.0  | 958.0  | 970.0  |
| 102.5° | 450.0  | 492.0  | 522.0  | 562.0  | 574.0  | 606.0  | 622.0  | 644.0  | 648.0  | 658.0  |
| 105°   | 326.0  | 348.0  | 370.0  | 386.0  | 396.0  | 398.0  | 410.0  | 426.0  | 430.0  | 430.0  |
| 107.5° | 244.0  | 256.0  | 258.0  | 264.0  | 268.0  | 270.0  | 278.0  | 280.0  | 282.0  | 282.0  |
| 110°   | 192.0  | 194.0  | 190.0  | 190.0  | 188.0  | 188.0  | 186.0  | 184.0  | 182.0  | 182.0  |





TEST NUMBER: P237882

CATALOG NUMBER: 8VT2-LD5-16-DR-W-UNV-L840-CD2-WL-U

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 156.0 | 156.0 | 152.0 | 146.0 | 142.0 | 140.0 | 134.0 | 130.0 | 128.0 | 128.0 |
| 115°   | 136.0 | 132.0 | 128.0 | 122.0 | 118.0 | 116.0 | 110.0 | 106.0 | 102.0 | 100.0 |
| 117.5° | 122.0 | 120.0 | 114.0 | 110.0 | 106.0 | 104.0 | 98.0  | 92.0  | 90.0  | 88.0  |
| 120°   | 110.0 | 108.0 | 106.0 | 100.0 | 98.0  | 96.0  | 90.0  | 86.0  | 82.0  | 82.0  |
| 122.5° | 98.0  | 98.0  | 96.0  | 92.0  | 90.0  | 88.0  | 84.0  | 80.0  | 78.0  | 76.0  |
| 125°   | 88.0  | 88.0  | 88.0  | 86.0  | 84.0  | 82.0  | 78.0  | 76.0  | 74.0  | 72.0  |
| 127.5° | 74.0  | 78.0  | 78.0  | 78.0  | 76.0  | 76.0  | 74.0  | 70.0  | 68.0  | 68.0  |
| 130°   | 62.0  | 66.0  | 68.0  | 68.0  | 68.0  | 68.0  | 66.0  | 64.0  | 62.0  | 62.0  |
| 132.5° | 50.0  | 56.0  | 58.0  | 60.0  | 60.0  | 60.0  | 58.0  | 58.0  | 56.0  | 56.0  |
| 135°   | 40.0  | 44.0  | 48.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 48.0  | 48.0  |
| 137.5° | 30.0  | 32.0  | 36.0  | 38.0  | 40.0  | 40.0  | 40.0  | 40.0  | 40.0  | 40.0  |
| 140°   | 18.0  | 22.0  | 26.0  | 28.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  | 30.0  |
| 142.5° | 10.0  | 12.0  | 16.0  | 18.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  | 20.0  |
| 145°   | 2.0   | 4.0   | 8.0   | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  | 10.0  |
| 147.5° | 0.0   | 0.0   | 0.0   | 0.0   | 2.0   | 2.0   | 2.0   | 2.0   | 2.0   | 0.0   |
| 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)