

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: P232500

Luminaire Tested: **8SKB1-LD5-12-W-UNV-L850-CD2-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P232500  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-317-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SKB1-LD5-12-W-UNV-L850-CD2-U  
Description: METALUX SKYBAR 8' WAVESTREAM STRIP  
WITH WIDE LENS  
Light Source: (392) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

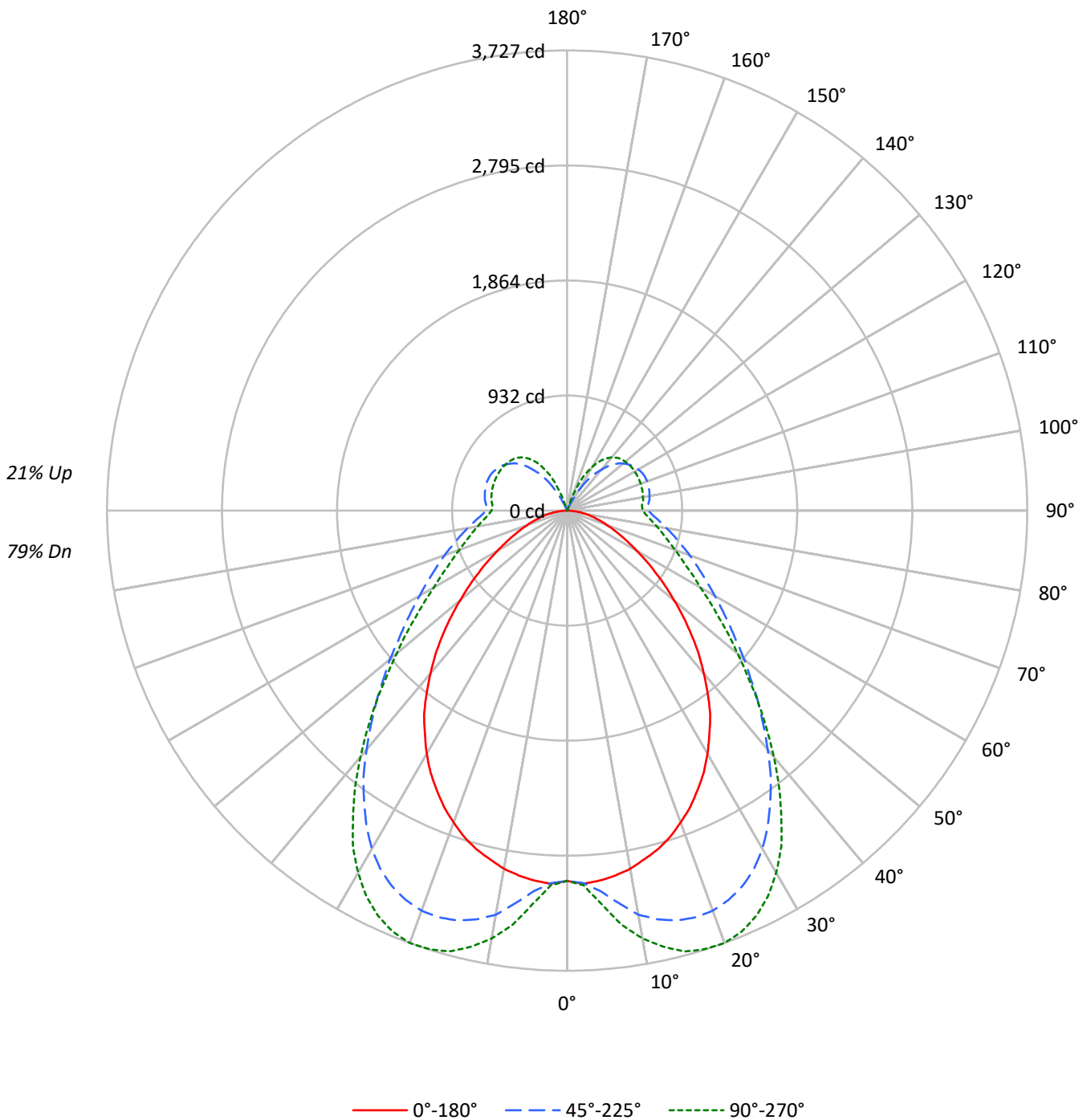
Lumens per Lamp: N/A  
Luminaire Lumens: 12489.0 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.48 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.29')  
CIE Type: Semi-Direct

Input Watts (W): 94.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P232500  
CATALOG NUMBER: 8SKB1-LD5-12-W-UNV-L850-CD2-U

### Luminous Intensity Polar Plot





TEST NUMBER: P232500

CATALOG NUMBER: 8SKB1-LD5-12-W-UNV-L850-CD2-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   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 |
| 1   | 103 | 97  | 93  | 88  | 98  | 93  | 89  | 85  | 85 | 82 | 78 | 77 | 75 | 72 | 70 | 68 | 67 | 63 |
| 2   | 93  | 85  | 78  | 72  | 89  | 81  | 75  | 69  | 74 | 69 | 64 | 68 | 63 | 60 | 62 | 58 | 55 | 52 |
| 3   | 85  | 74  | 66  | 60  | 81  | 71  | 64  | 58  | 65 | 59 | 54 | 60 | 55 | 51 | 55 | 51 | 47 | 44 |
| 4   | 78  | 66  | 57  | 51  | 74  | 63  | 55  | 49  | 58 | 51 | 46 | 53 | 48 | 43 | 49 | 44 | 41 | 38 |
| 5   | 72  | 59  | 50  | 44  | 68  | 57  | 49  | 42  | 52 | 45 | 40 | 48 | 42 | 38 | 44 | 39 | 36 | 33 |
| 6   | 66  | 53  | 44  | 38  | 63  | 51  | 43  | 37  | 47 | 40 | 35 | 44 | 38 | 33 | 40 | 35 | 31 | 29 |
| 7   | 61  | 48  | 40  | 34  | 58  | 46  | 38  | 33  | 43 | 36 | 31 | 40 | 34 | 30 | 37 | 32 | 28 | 26 |
| 8   | 57  | 44  | 36  | 30  | 54  | 42  | 35  | 29  | 39 | 33 | 28 | 36 | 31 | 26 | 34 | 29 | 25 | 23 |
| 9   | 53  | 40  | 32  | 27  | 51  | 39  | 31  | 26  | 36 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 23 | 21 |
| 10  | 50  | 37  | 29  | 24  | 48  | 36  | 29  | 24  | 33 | 27 | 23 | 31 | 26 | 22 | 29 | 24 | 21 | 19 |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 16144 | 16144 | 16144 |
| 5°  | 16202 | 15552 | 15681 |
| 10° | 15995 | 15791 | 15949 |
| 15° | 15669 | 15591 | 15691 |
| 20° | 15198 | 15081 | 14983 |
| 25° | 14588 | 14273 | 13933 |
| 30° | 13840 | 13182 | 12572 |
| 35° | 12946 | 11811 | 10931 |
| 40° | 11730 | 10360 | 9246  |
| 45° | 10459 | 8982  | 7666  |
| 50° | 9080  | 7781  | 6316  |
| 55° | 7769  | 6772  | 5253  |
| 60° | 6583  | 6010  | 4435  |
| 65° | 5643  | 5418  | 3873  |
| 70° | 4933  | 4979  | 3475  |
| 75° | 4307  | 4607  | 3188  |
| 80° | 3691  | 4339  | 2997  |
| 85° | 2742  | 4178  | 2855  |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 302.8   | 2.4       |
| 10°-20°   | 952.1   | 7.6       |
| 20°-30°   | 1491.9  | 11.9      |
| 30°-40°   | 1708.5  | 13.7      |
| 40°-50°   | 1573.5  | 12.6      |
| 50°-60°   | 1291.4  | 10.3      |
| 60°-70°   | 1032.5  | 8.3       |
| 70°-80°   | 829.4   | 6.6       |
| 80°-90°   | 659.7   | 5.3       |
| 90°-100°  | 589.6   | 4.7       |
| 100°-110° | 574.3   | 4.6       |
| 110°-120° | 520.5   | 4.2       |
| 120°-130° | 430.2   | 3.4       |
| 130°-140° | 308.5   | 2.5       |
| 140°-150° | 171.4   | 1.4       |
| 150°-160° | 51.6    | 0.4       |
| 160°-170° | 1.1     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-30°    | 2746.8  | 22.0      |
| 0°-40°    | 4455.3  | 35.7      |
| 0°-60°    | 7320.2  | 58.6      |
| 0°-90°    | 9841.8  | 78.8      |
| 90°-120°  | 1684.3  | 13.5      |
| 90°-150°  | 2594.5  | 20.8      |
| 90°-180°  | 2647.0  | 21.2      |
| 0°-180°   | 12489.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 3000 | 3000  | 3000 | 3000  | 3000 |      |
| 5°   | 3009 | 3039  | 3093 | 3199  | 3199 | 285  |
| 15°  | 2840 | 3127  | 3436 | 3652  | 3696 | 799  |
| 25°  | 2498 | 2974  | 3357 | 3594  | 3623 | 1149 |
| 35°  | 2021 | 2513  | 2868 | 3037  | 3023 | 1255 |
| 45°  | 1424 | 1897  | 2184 | 2242  | 2182 | 1099 |
| 55°  | 871  | 1363  | 1599 | 1557  | 1493 | 785  |
| 65°  | 478  | 1000  | 1202 | 1119  | 1065 | 480  |
| 75°  | 235  | 762   | 925  | 855   | 821  | 252  |
| 85°  | 63   | 577   | 726  | 681   | 663  | 69   |
| 90°  | 4    | 512   | 657  | 627   | 612  | 5    |
| 95°  | 2    | 508   | 661  | 627   | 609  | 1    |
| 105° | 2    | 498   | 686  | 652   | 630  | 2    |
| 115° | 2    | 449   | 684  | 665   | 634  | 2    |
| 125° | 2    | 350   | 638  | 659   | 627  | 2    |
| 135° | 2    | 128   | 530  | 616   | 598  | 1    |
| 145° | 2    | 5     | 325  | 498   | 503  | 1    |
| 155° | 2    | 2     | 50   | 232   | 291  | 1    |
| 165° | 0    | 0     | 0    | 0     | 0    | 0    |
| 175° | 0    | 0     | 0    | 0     | 0    | 0    |
| 180° | 0    | 0     | 0    | 0     | 0    | 0    |



TEST NUMBER: P232500

CATALOG NUMBER: 8SKB1-LD5-12-W-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 |
| 2.5°   | 3024.7 | 3012.1 | 3003.2 | 3012.1 | 3015.7 | 3019.3 | 3028.3 | 3026.5 | 3028.3 | 3024.7 | 3019.3 |
| 5°     | 3008.6 | 2997.8 | 2994.2 | 3012.1 | 3030.1 | 3039.1 | 3051.7 | 3064.2 | 3075.0 | 3089.4 | 3093.0 |
| 7.5°   | 2981.6 | 2976.2 | 2979.8 | 3012.1 | 3040.9 | 3062.4 | 3080.4 | 3112.7 | 3145.1 | 3177.4 | 3207.9 |
| 10°    | 2945.7 | 2942.1 | 2958.3 | 3006.8 | 3053.5 | 3084.0 | 3114.5 | 3173.8 | 3229.5 | 3279.8 | 3322.9 |
| 12.5°  | 2891.8 | 2900.8 | 2927.7 | 2992.4 | 3066.0 | 3109.1 | 3157.6 | 3231.3 | 3290.5 | 3348.0 | 3391.1 |
| 15°    | 2839.7 | 2845.1 | 2897.2 | 2974.4 | 3060.6 | 3127.1 | 3177.4 | 3270.8 | 3331.9 | 3391.1 | 3436.0 |
| 17.5°  | 2771.5 | 2784.0 | 2841.5 | 2951.1 | 3057.0 | 3116.3 | 3177.4 | 3251.0 | 3324.7 | 3392.9 | 3454.0 |
| 20°    | 2688.8 | 2715.8 | 2793.0 | 2913.4 | 3033.7 | 3093.0 | 3146.9 | 3236.7 | 3312.1 | 3378.6 | 3448.6 |
| 22.5°  | 2600.8 | 2631.4 | 2717.6 | 2861.3 | 2985.2 | 3044.5 | 3096.6 | 3195.4 | 3272.6 | 3339.0 | 3414.5 |
| 25°    | 2498.4 | 2538.0 | 2640.3 | 2794.8 | 2913.4 | 2974.4 | 3030.1 | 3130.7 | 3211.5 | 3278.0 | 3357.0 |
| 27.5°  | 2394.3 | 2439.2 | 2550.5 | 2706.8 | 2828.9 | 2886.4 | 2943.9 | 3044.5 | 3125.3 | 3191.8 | 3274.4 |
| 30°    | 2273.9 | 2322.4 | 2448.2 | 2599.0 | 2719.4 | 2782.2 | 2834.3 | 2933.1 | 3021.1 | 3080.4 | 3163.0 |
| 32.5°  | 2144.6 | 2200.3 | 2335.0 | 2480.5 | 2600.8 | 2660.1 | 2712.2 | 2807.4 | 2886.4 | 2949.3 | 3024.7 |
| 35°    | 2020.7 | 2065.6 | 2202.1 | 2344.0 | 2458.9 | 2512.8 | 2573.9 | 2665.5 | 2735.5 | 2800.2 | 2868.5 |
| 37.5°  | 1871.6 | 1925.5 | 2063.8 | 2198.5 | 2313.4 | 2370.9 | 2421.2 | 2505.6 | 2570.3 | 2631.4 | 2708.6 |
| 40°    | 1720.7 | 1780.0 | 1923.7 | 2044.0 | 2162.6 | 2207.5 | 2257.8 | 2335.0 | 2396.1 | 2471.5 | 2527.2 |
| 42.5°  | 1578.8 | 1634.5 | 1771.0 | 1893.1 | 2004.5 | 2049.4 | 2097.9 | 2178.7 | 2230.8 | 2295.5 | 2351.2 |
| 45°    | 1424.3 | 1481.8 | 1627.3 | 1742.3 | 1848.2 | 1896.7 | 1947.0 | 2013.5 | 2072.8 | 2124.8 | 2184.1 |
| 47.5°  | 1277.1 | 1345.3 | 1485.4 | 1593.2 | 1701.0 | 1745.9 | 1789.0 | 1859.0 | 1918.3 | 1974.0 | 2015.3 |
| 50°    | 1131.6 | 1205.2 | 1341.7 | 1458.5 | 1560.9 | 1605.8 | 1648.9 | 1718.9 | 1780.0 | 1828.5 | 1871.6 |
| 52.5°  | 998.7  | 1075.9 | 1216.0 | 1338.1 | 1429.7 | 1476.4 | 1519.5 | 1587.8 | 1648.9 | 1693.8 | 1722.5 |
| 55°    | 871.1  | 957.3  | 1102.8 | 1221.4 | 1313.0 | 1363.3 | 1397.4 | 1469.3 | 1530.3 | 1571.6 | 1598.6 |
| 57.5°  | 759.8  | 855.0  | 993.3  | 1115.4 | 1210.6 | 1255.5 | 1296.8 | 1365.1 | 1422.6 | 1462.1 | 1483.6 |
| 60°    | 650.2  | 756.2  | 899.9  | 1018.4 | 1115.4 | 1158.5 | 1203.4 | 1271.7 | 1325.6 | 1361.5 | 1381.2 |
| 62.5°  | 558.6  | 670.0  | 819.0  | 934.0  | 1032.8 | 1075.9 | 1115.4 | 1183.7 | 1235.8 | 1271.7 | 1287.8 |
| 65°    | 477.8  | 594.5  | 745.4  | 860.4  | 955.6  | 1000.5 | 1041.8 | 1111.8 | 1160.3 | 1194.4 | 1201.6 |
| 67.5°  | 407.7  | 526.3  | 678.9  | 792.1  | 890.9  | 932.2  | 973.5  | 1043.6 | 1090.3 | 1119.0 | 1124.4 |
| 70°    | 344.9  | 465.2  | 617.9  | 731.0  | 828.0  | 872.9  | 914.2  | 977.1  | 1025.6 | 1049.0 | 1056.1 |
| 72.5°  | 287.4  | 413.1  | 560.4  | 677.1  | 774.1  | 815.5  | 855.0  | 921.4  | 966.3  | 987.9  | 986.1  |
| 75°    | 235.3  | 364.6  | 511.9  | 626.9  | 718.5  | 761.6  | 801.1  | 865.7  | 910.6  | 928.6  | 925.0  |
| 77.5°  | 190.4  | 323.3  | 465.2  | 576.6  | 670.0  | 713.1  | 749.0  | 813.7  | 855.0  | 874.7  | 871.1  |
| 80°    | 143.7  | 278.4  | 420.3  | 529.9  | 623.3  | 662.8  | 702.3  | 763.4  | 804.7  | 824.4  | 815.5  |
| 82.5°  | 104.2  | 237.1  | 379.0  | 486.8  | 578.4  | 619.7  | 655.6  | 718.5  | 758.0  | 774.1  | 768.8  |
| 85°    | 62.9   | 195.8  | 334.1  | 445.4  | 537.0  | 576.6  | 616.1  | 675.4  | 714.9  | 731.0  | 725.6  |
| 87.5°  | 26.9   | 158.1  | 296.4  | 407.7  | 499.3  | 538.8  | 576.6  | 635.8  | 673.6  | 689.7  | 684.3  |
| 90°    | 3.6    | 132.9  | 273.0  | 382.6  | 472.4  | 511.9  | 549.6  | 608.9  | 646.6  | 662.8  | 657.4  |
| 92.5°  | 1.8    | 127.5  | 265.8  | 375.4  | 465.2  | 506.5  | 542.4  | 603.5  | 643.0  | 657.4  | 655.6  |
| 95°    | 1.8    | 118.5  | 262.2  | 375.4  | 467.0  | 508.3  | 546.0  | 607.1  | 646.6  | 662.8  | 661.0  |
| 97.5°  | 1.8    | 106.0  | 256.8  | 373.6  | 468.8  | 511.9  | 549.6  | 614.3  | 655.6  | 673.6  | 671.8  |
| 100°   | 1.8    | 86.2   | 246.1  | 368.2  | 465.2  | 510.1  | 547.8  | 614.3  | 657.4  | 677.1  | 677.1  |
| 102.5° | 1.8    | 59.3   | 233.5  | 359.2  | 461.6  | 504.7  | 544.2  | 612.5  | 657.4  | 678.9  | 682.5  |
| 105°   | 1.8    | 35.9   | 217.3  | 348.5  | 452.6  | 497.5  | 538.8  | 608.9  | 655.6  | 680.7  | 686.1  |
| 107.5° | 1.8    | 23.3   | 197.6  | 335.9  | 443.6  | 490.3  | 531.7  | 603.5  | 652.0  | 680.7  | 687.9  |
| 110°   | 1.8    | 19.8   | 172.4  | 321.5  | 431.1  | 477.8  | 520.9  | 596.3  | 646.6  | 678.9  | 689.7  |



TEST NUMBER: P232500

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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°   | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 1.8 | 16.2 | 132.9 | 301.8 | 416.7 | 465.2 | 510.1 | 583.7 | 639.4 | 671.8 | 687.9 |
| 115°   | 1.8 | 12.6 | 86.2  | 278.4 | 398.7 | 449.0 | 493.9 | 571.2 | 626.9 | 664.6 | 684.3 |
| 117.5° | 1.8 | 10.8 | 55.7  | 251.5 | 379.0 | 429.3 | 476.0 | 555.0 | 614.3 | 653.8 | 677.1 |
| 120°   | 1.8 | 9.0  | 23.3  | 215.5 | 353.8 | 407.7 | 454.4 | 533.5 | 596.3 | 639.4 | 666.4 |
| 122.5° | 1.8 | 7.2  | 18.0  | 161.7 | 325.1 | 380.8 | 429.3 | 511.9 | 574.8 | 623.3 | 652.0 |
| 125°   | 1.8 | 7.2  | 14.4  | 104.2 | 289.2 | 350.2 | 402.3 | 486.8 | 553.2 | 603.5 | 637.6 |
| 127.5° | 1.8 | 5.4  | 12.6  | 70.0  | 246.1 | 314.3 | 370.0 | 458.0 | 526.3 | 578.4 | 616.1 |
| 130°   | 1.8 | 5.4  | 10.8  | 30.5  | 183.2 | 269.4 | 330.5 | 423.9 | 495.7 | 551.4 | 592.7 |
| 132.5° | 1.8 | 3.6  | 9.0   | 12.6  | 113.2 | 208.4 | 280.2 | 380.8 | 459.8 | 519.1 | 565.8 |
| 135°   | 1.8 | 3.6  | 7.2   | 10.8  | 75.4  | 127.5 | 219.1 | 332.3 | 413.1 | 476.0 | 529.9 |
| 137.5° | 1.8 | 3.6  | 5.4   | 9.0   | 30.5  | 84.4  | 134.7 | 278.4 | 362.8 | 429.3 | 485.0 |
| 140°   | 1.8 | 3.6  | 5.4   | 7.2   | 9.0   | 39.5  | 91.6  | 211.9 | 307.1 | 379.0 | 432.9 |
| 142.5° | 1.8 | 3.6  | 5.4   | 5.4   | 7.2   | 9.0   | 44.9  | 123.9 | 246.1 | 323.3 | 382.6 |
| 145°   | 1.8 | 1.8  | 3.6   | 5.4   | 5.4   | 5.4   | 7.2   | 84.4  | 159.9 | 262.2 | 325.1 |
| 147.5° | 1.8 | 1.8  | 3.6   | 3.6   | 5.4   | 5.4   | 5.4   | 34.1  | 98.8  | 185.0 | 262.2 |
| 150°   | 1.8 | 1.8  | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 50.3  | 100.6 | 177.8 |
| 152.5° | 1.8 | 1.8  | 1.8   | 3.6   | 3.6   | 3.6   | 3.6   | 3.6   | 5.4   | 57.5  | 98.8  |
| 155°   | 1.8 | 1.8  | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 5.4   | 50.3  |
| 157.5° | 1.8 | 1.8  | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   |
| 160°   | 1.8 | 1.8  | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   | 1.8   |
| 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: P232500

CATALOG NUMBER: 8SKB1-LD5-12-W-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 | 2999.6 |
| 2.5°   | 3028.3 | 3044.5 | 3051.7 | 3058.8 | 3060.6 | 3062.4 | 3058.8 | 3057.0 | 3044.5 | 3037.3 |
| 5°     | 3118.1 | 3157.6 | 3173.8 | 3197.1 | 3198.9 | 3200.7 | 3211.5 | 3206.1 | 3207.9 | 3198.9 |
| 7.5°   | 3249.2 | 3306.7 | 3331.9 | 3362.4 | 3369.6 | 3378.6 | 3396.5 | 3398.3 | 3396.5 | 3383.9 |
| 10°    | 3371.4 | 3419.9 | 3457.6 | 3486.3 | 3497.1 | 3504.3 | 3525.8 | 3531.2 | 3527.6 | 3518.7 |
| 12.5°  | 3445.0 | 3507.9 | 3545.6 | 3586.9 | 3597.7 | 3608.5 | 3626.4 | 3635.4 | 3624.6 | 3619.2 |
| 15°    | 3507.9 | 3574.3 | 3604.9 | 3649.8 | 3651.6 | 3671.3 | 3701.9 | 3705.5 | 3700.1 | 3696.5 |
| 17.5°  | 3524.0 | 3592.3 | 3637.2 | 3676.7 | 3691.1 | 3703.7 | 3721.6 | 3736.0 | 3737.8 | 3723.4 |
| 20°    | 3520.5 | 3585.1 | 3639.0 | 3680.3 | 3696.5 | 3705.5 | 3728.8 | 3739.6 | 3734.2 | 3727.0 |
| 22.5°  | 3491.7 | 3556.4 | 3610.3 | 3646.2 | 3660.6 | 3674.9 | 3696.5 | 3705.5 | 3705.5 | 3691.1 |
| 25°    | 3432.4 | 3497.1 | 3543.8 | 3581.5 | 3594.1 | 3608.5 | 3630.0 | 3635.4 | 3631.8 | 3622.8 |
| 27.5°  | 3348.0 | 3405.5 | 3452.2 | 3484.5 | 3497.1 | 3509.7 | 3533.0 | 3538.4 | 3531.2 | 3522.3 |
| 30°    | 3224.1 | 3283.4 | 3330.1 | 3358.8 | 3369.6 | 3378.6 | 3392.9 | 3405.5 | 3394.7 | 3385.7 |
| 32.5°  | 3089.4 | 3143.3 | 3175.6 | 3202.5 | 3209.7 | 3216.9 | 3231.3 | 3236.7 | 3225.9 | 3227.7 |
| 35°    | 2931.3 | 2978.0 | 3015.7 | 3033.7 | 3037.3 | 3035.5 | 3042.7 | 3044.5 | 3046.3 | 3022.9 |
| 37.5°  | 2758.9 | 2800.2 | 2818.2 | 2843.3 | 2837.9 | 2846.9 | 2854.1 | 2846.9 | 2828.9 | 2820.0 |
| 40°    | 2573.9 | 2600.8 | 2631.4 | 2640.3 | 2635.0 | 2647.5 | 2643.9 | 2631.4 | 2611.6 | 2604.4 |
| 42.5°  | 2390.7 | 2421.2 | 2432.0 | 2439.2 | 2433.8 | 2435.6 | 2428.4 | 2424.8 | 2405.0 | 2388.9 |
| 45°    | 2216.5 | 2238.0 | 2243.4 | 2241.6 | 2241.6 | 2232.6 | 2223.6 | 2209.3 | 2191.3 | 2182.3 |
| 47.5°  | 2045.8 | 2060.2 | 2062.0 | 2053.0 | 2045.8 | 2035.0 | 2036.8 | 2011.7 | 1990.1 | 1979.4 |
| 50°    | 1887.8 | 1893.1 | 1887.8 | 1871.6 | 1868.0 | 1855.4 | 1848.2 | 1828.5 | 1808.7 | 1803.3 |
| 52.5°  | 1745.9 | 1744.1 | 1733.3 | 1715.3 | 1708.1 | 1695.6 | 1683.0 | 1665.0 | 1645.3 | 1645.3 |
| 55°    | 1607.6 | 1602.2 | 1587.8 | 1568.0 | 1557.3 | 1551.9 | 1535.7 | 1516.0 | 1501.6 | 1492.6 |
| 57.5°  | 1487.2 | 1476.4 | 1458.5 | 1440.5 | 1426.1 | 1411.8 | 1401.0 | 1386.6 | 1368.7 | 1365.1 |
| 60°    | 1379.4 | 1357.9 | 1341.7 | 1322.0 | 1311.2 | 1298.6 | 1284.2 | 1273.5 | 1259.1 | 1244.7 |
| 62.5°  | 1278.9 | 1260.9 | 1239.3 | 1219.6 | 1208.8 | 1198.0 | 1183.7 | 1167.5 | 1158.5 | 1154.9 |
| 65°    | 1190.8 | 1172.9 | 1147.7 | 1128.0 | 1119.0 | 1108.2 | 1097.4 | 1079.5 | 1074.1 | 1065.1 |
| 67.5°  | 1111.8 | 1088.5 | 1065.1 | 1047.2 | 1038.2 | 1034.6 | 1023.8 | 1013.0 | 1000.5 | 993.3  |
| 70°    | 1038.2 | 1014.8 | 993.3  | 980.7  | 969.9  | 966.3  | 957.3  | 943.0  | 934.0  | 928.6  |
| 72.5°  | 968.1  | 948.4  | 930.4  | 912.4  | 905.3  | 903.5  | 896.3  | 885.5  | 876.5  | 871.1  |
| 75°    | 908.9  | 889.1  | 871.1  | 862.2  | 855.0  | 849.6  | 846.0  | 835.2  | 829.8  | 820.8  |
| 77.5°  | 856.8  | 833.4  | 817.2  | 808.3  | 802.9  | 799.3  | 795.7  | 790.3  | 783.1  | 777.7  |
| 80°    | 801.1  | 783.1  | 770.5  | 761.6  | 758.0  | 754.4  | 750.8  | 747.2  | 741.8  | 736.4  |
| 82.5°  | 754.4  | 738.2  | 727.4  | 720.3  | 720.3  | 716.7  | 714.9  | 711.3  | 705.9  | 698.7  |
| 85°    | 709.5  | 695.1  | 686.1  | 682.5  | 680.7  | 678.9  | 677.1  | 673.6  | 668.2  | 662.8  |
| 87.5°  | 671.8  | 661.0  | 652.0  | 650.2  | 650.2  | 648.4  | 646.6  | 644.8  | 639.4  | 634.0  |
| 90°    | 646.6  | 635.8  | 630.4  | 628.7  | 626.9  | 626.9  | 626.9  | 623.3  | 617.9  | 612.5  |
| 92.5°  | 643.0  | 632.2  | 626.9  | 623.3  | 623.3  | 623.3  | 623.3  | 619.7  | 614.3  | 607.1  |
| 95°    | 648.4  | 637.6  | 632.2  | 628.7  | 626.9  | 626.9  | 625.1  | 621.5  | 616.1  | 608.9  |
| 97.5°  | 661.0  | 650.2  | 643.0  | 637.6  | 635.8  | 635.8  | 634.0  | 630.4  | 625.1  | 619.7  |
| 100°   | 668.2  | 657.4  | 650.2  | 644.8  | 643.0  | 641.2  | 639.4  | 635.8  | 630.4  | 623.3  |
| 102.5° | 673.6  | 662.8  | 653.8  | 650.2  | 648.4  | 646.6  | 643.0  | 639.4  | 634.0  | 626.9  |
| 105°   | 677.1  | 668.2  | 661.0  | 653.8  | 652.0  | 650.2  | 646.6  | 643.0  | 635.8  | 630.4  |
| 107.5° | 682.5  | 673.6  | 664.6  | 659.2  | 655.6  | 653.8  | 650.2  | 646.6  | 639.4  | 632.2  |
| 110°   | 684.3  | 677.1  | 668.2  | 662.8  | 659.2  | 657.4  | 652.0  | 646.6  | 639.4  | 634.0  |





TEST NUMBER: P232500

CATALOG NUMBER: 8SKB1-LD5-12-W-UNV-L850-CD2-U

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 686.1 | 680.7 | 671.8 | 664.6 | 662.8 | 659.2 | 653.8 | 648.4 | 641.2 | 634.0 |
| 115°   | 686.1 | 680.7 | 673.6 | 666.4 | 664.6 | 661.0 | 655.6 | 648.4 | 641.2 | 634.0 |
| 117.5° | 684.3 | 680.7 | 675.4 | 668.2 | 664.6 | 661.0 | 655.6 | 648.4 | 639.4 | 634.0 |
| 120°   | 678.9 | 678.9 | 673.6 | 668.2 | 664.6 | 661.0 | 653.8 | 646.6 | 639.4 | 632.2 |
| 122.5° | 670.0 | 673.6 | 670.0 | 664.6 | 662.8 | 659.2 | 653.8 | 644.8 | 635.8 | 630.4 |
| 125°   | 657.4 | 666.4 | 664.6 | 661.0 | 659.2 | 655.6 | 650.2 | 643.0 | 634.0 | 626.9 |
| 127.5° | 641.2 | 653.8 | 657.4 | 655.6 | 653.8 | 652.0 | 644.8 | 637.6 | 630.4 | 621.5 |
| 130°   | 621.5 | 637.6 | 644.8 | 644.8 | 644.8 | 643.0 | 639.4 | 632.2 | 623.3 | 616.1 |
| 132.5° | 596.3 | 616.1 | 626.9 | 632.2 | 632.2 | 632.2 | 628.7 | 623.3 | 616.1 | 607.1 |
| 135°   | 567.6 | 592.7 | 607.1 | 614.3 | 616.1 | 616.1 | 616.1 | 612.5 | 605.3 | 598.1 |
| 137.5° | 533.5 | 562.2 | 582.0 | 592.7 | 596.3 | 598.1 | 599.9 | 596.3 | 589.1 | 582.0 |
| 140°   | 483.2 | 524.5 | 549.6 | 564.0 | 567.6 | 573.0 | 576.6 | 573.0 | 567.6 | 562.2 |
| 142.5° | 432.9 | 476.0 | 511.9 | 531.7 | 535.3 | 540.6 | 546.0 | 546.0 | 540.6 | 535.3 |
| 145°   | 379.0 | 422.1 | 459.8 | 492.1 | 497.5 | 502.9 | 510.1 | 513.7 | 508.3 | 502.9 |
| 147.5° | 316.1 | 361.0 | 400.5 | 436.5 | 452.6 | 459.8 | 467.0 | 470.6 | 468.8 | 463.4 |
| 150°   | 249.7 | 298.2 | 335.9 | 371.8 | 388.0 | 409.5 | 418.5 | 420.3 | 418.5 | 413.1 |
| 152.5° | 150.9 | 220.9 | 264.0 | 300.0 | 314.3 | 334.1 | 359.2 | 364.6 | 361.0 | 357.4 |
| 155°   | 84.4  | 115.0 | 161.7 | 215.5 | 231.7 | 249.7 | 280.2 | 292.8 | 291.0 | 291.0 |
| 157.5° | 25.1  | 62.9  | 86.2  | 106.0 | 113.2 | 123.9 | 159.9 | 190.4 | 199.4 | 201.2 |
| 160°   | 1.8   | 1.8   | 21.6  | 43.1  | 53.9  | 64.7  | 82.6  | 93.4  | 95.2  | 97.0  |
| 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)