

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: P236465

Luminaire Tested: **SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P236465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24056)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal  
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE  
4 BLADES WITH NARROW DISTRIBUTION LENS, ALL BLADES HORIZONTAL  
Light Source: (952) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

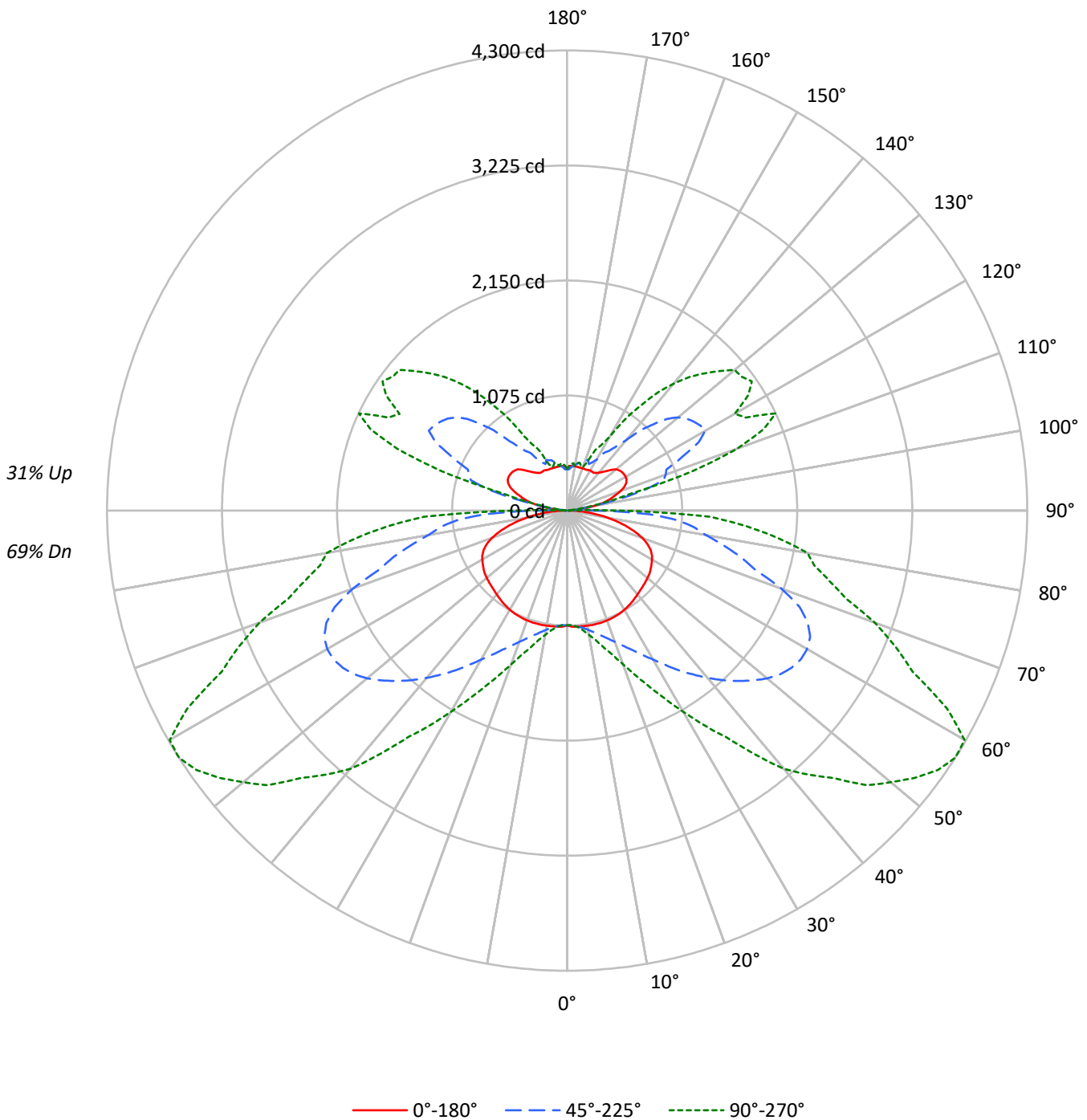
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16423.0 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 1.49 / 3.46 / 2.71  
Luminous Opening: Rectangular (W 1.88' x L: 4' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 143.4  
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: P236465

CATALOG NUMBER: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal

### Luminous Intensity Polar Plot





TEST NUMBER: P236465

CATALOG NUMBER: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal

**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   | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 94 | 94 | 94 | 84 | 84 | 84 | 74 | 74 | 74 | 69 |
| 1   | 98  | 92  | 87  | 82  | 92  | 87  | 82  | 77  | 77 | 73 | 69 | 68 | 65 | 62 | 59 | 57 | 55 | 50 |
| 2   | 87  | 77  | 69  | 62  | 81  | 73  | 65  | 59  | 64 | 58 | 53 | 56 | 51 | 47 | 49 | 45 | 42 | 38 |
| 3   | 78  | 66  | 56  | 49  | 73  | 62  | 53  | 46  | 54 | 47 | 42 | 47 | 42 | 37 | 41 | 37 | 33 | 29 |
| 4   | 70  | 57  | 47  | 39  | 65  | 53  | 44  | 37  | 47 | 39 | 33 | 41 | 35 | 30 | 35 | 30 | 26 | 23 |
| 5   | 64  | 49  | 40  | 32  | 59  | 47  | 37  | 31  | 41 | 33 | 27 | 36 | 29 | 24 | 31 | 26 | 21 | 18 |
| 6   | 58  | 44  | 34  | 27  | 54  | 41  | 32  | 26  | 36 | 29 | 23 | 31 | 25 | 20 | 27 | 22 | 18 | 15 |
| 7   | 53  | 39  | 29  | 23  | 50  | 37  | 28  | 22  | 32 | 25 | 19 | 28 | 22 | 17 | 24 | 19 | 15 | 12 |
| 8   | 49  | 35  | 26  | 20  | 46  | 33  | 25  | 19  | 29 | 22 | 17 | 25 | 19 | 15 | 22 | 17 | 13 | 11 |
| 9   | 46  | 32  | 23  | 17  | 43  | 30  | 22  | 16  | 26 | 19 | 15 | 23 | 17 | 13 | 20 | 15 | 11 | 9  |
| 10  | 43  | 29  | 20  | 15  | 40  | 27  | 19  | 14  | 24 | 17 | 13 | 21 | 15 | 11 | 18 | 13 | 10 | 8  |

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

|     | 0°   | 45°   | 90°   |
|-----|------|-------|-------|
| 0°  | 1539 | 1539  | 1539  |
| 5°  | 1568 | 1562  | 1572  |
| 10° | 1592 | 1647  | 1718  |
| 15° | 1625 | 1792  | 1967  |
| 20° | 1668 | 1994  | 2335  |
| 25° | 1718 | 2276  | 2868  |
| 30° | 1775 | 2664  | 3596  |
| 35° | 1837 | 3194  | 4521  |
| 40° | 1916 | 3825  | 5904  |
| 45° | 2031 | 4570  | 7178  |
| 50° | 2188 | 5446  | 8817  |
| 55° | 2383 | 6406  | 10576 |
| 60° | 2627 | 7431  | 12311 |
| 65° | 2917 | 8429  | 12091 |
| 70° | 3133 | 8935  | 12824 |
| 75° | 3219 | 9321  | 14071 |
| 80° | 3184 | 10866 | 18842 |
| 85° | 3119 | 17033 | 27709 |



TEST NUMBER: P236465

CATALOG NUMBER: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 105.2   | 0.6       |
| 10°-20°   | 346.2   | 2.1       |
| 20°-30°   | 676.8   | 4.1       |
| 30°-40°   | 1154.7  | 7.0       |
| 40°-50°   | 1762.6  | 10.7      |
| 50°-60°   | 2304.5  | 14.0      |
| 60°-70°   | 2308.7  | 14.1      |
| 70°-80°   | 1730.4  | 10.5      |
| 80°-90°   | 1010.1  | 6.2       |
| 90°-100°  | 111.9   | 0.7       |
| 100°-110° | 691.1   | 4.2       |
| 110°-120° | 1226.9  | 7.5       |
| 120°-130° | 1210.5  | 7.4       |
| 130°-140° | 885.5   | 5.4       |
| 140°-150° | 484.0   | 2.9       |
| 150°-160° | 244.4   | 1.5       |
| 160°-170° | 129.7   | 0.8       |
| 170°-180° | 39.5    | 0.2       |
| 0°-30°    | 1128.3  | 6.9       |
| 0°-40°    | 2283.0  | 13.9      |
| 0°-60°    | 6350.1  | 38.7      |
| 0°-90°    | 11399.4 | 69.4      |
| 90°-120°  | 2029.9  | 12.4      |
| 90°-150°  | 4609.9  | 28.1      |
| 90°-180°  | 5024.0  | 30.6      |
| 0°-180°   | 16423.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 1072 | 1072  | 1072 | 1072  | 1072 |      |
| 5°   | 1088 | 1092  | 1084 | 1084  | 1092 | 104  |
| 15°  | 1094 | 1136  | 1206 | 1281  | 1324 | 310  |
| 25°  | 1085 | 1194  | 1437 | 1707  | 1811 | 501  |
| 35°  | 1048 | 1263  | 1823 | 2392  | 2581 | 658  |
| 45°  | 1000 | 1345  | 2252 | 3219  | 3536 | 775  |
| 55°  | 952  | 1403  | 2560 | 3802  | 4227 | 853  |
| 65°  | 859  | 1303  | 2482 | 3360  | 3560 | 841  |
| 75°  | 580  | 970   | 1681 | 2286  | 2538 | 607  |
| 85°  | 189  | 422   | 1034 | 1519  | 1683 | 195  |
| 90°  | 14   | 62    | 263  | 406   | 474  | 20   |
| 95°  | 96   | 61    | 19   | 15    | 14   | 113  |
| 105° | 416  | 526   | 751  | 751   | 624  | 433  |
| 115° | 609  | 822   | 1184 | 1708  | 2147 | 593  |
| 125° | 627  | 736   | 1447 | 1946  | 2107 | 559  |
| 135° | 522  | 560   | 1142 | 1668  | 1814 | 409  |
| 145° | 431  | 523   | 680  | 1031  | 1198 | 276  |
| 155° | 422  | 482   | 479  | 577   | 625  | 196  |
| 165° | 419  | 447   | 472  | 485   | 461  | 119  |
| 175° | 418  | 413   | 404  | 383   | 437  | 40   |
| 180° | 389  | 389   | 389  | 389   | 389  |      |



TEST NUMBER: P236465

CATALOG NUMBER: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 |
| 2.5°   | 1085.7 | 1086.5 | 1087.3 | 1087.3 | 1088.2 | 1088.2 | 1082.4 | 1079.9 | 1076.6 | 1072.4 | 1070.0 |
| 5°     | 1088.2 | 1088.2 | 1089.0 | 1089.8 | 1091.5 | 1092.3 | 1089.0 | 1087.3 | 1085.7 | 1084.0 | 1083.2 |
| 7.5°   | 1089.8 | 1090.6 | 1091.5 | 1093.1 | 1098.9 | 1103.0 | 1100.6 | 1102.2 | 1103.9 | 1103.9 | 1105.5 |
| 10°    | 1092.3 | 1093.1 | 1095.6 | 1101.4 | 1109.6 | 1118.7 | 1121.2 | 1125.4 | 1128.7 | 1130.3 | 1135.3 |
| 12.5°  | 1093.9 | 1094.8 | 1099.7 | 1108.0 | 1118.7 | 1130.3 | 1136.9 | 1146.0 | 1155.1 | 1165.9 | 1175.8 |
| 15°    | 1093.9 | 1095.6 | 1102.2 | 1113.0 | 1127.8 | 1143.6 | 1156.0 | 1174.1 | 1190.7 | 1206.4 | 1222.1 |
| 17.5°  | 1093.9 | 1095.6 | 1103.0 | 1118.7 | 1138.6 | 1160.1 | 1180.8 | 1206.4 | 1228.7 | 1251.0 | 1279.2 |
| 20°    | 1092.3 | 1093.9 | 1104.7 | 1124.5 | 1148.5 | 1177.5 | 1206.4 | 1238.6 | 1271.7 | 1305.6 | 1342.0 |
| 22.5°  | 1089.0 | 1092.3 | 1105.5 | 1129.5 | 1159.3 | 1197.3 | 1233.7 | 1277.5 | 1322.2 | 1366.8 | 1417.2 |
| 25°    | 1084.8 | 1088.2 | 1105.5 | 1133.6 | 1171.7 | 1217.1 | 1264.3 | 1320.5 | 1376.7 | 1437.1 | 1504.1 |
| 27.5°  | 1078.2 | 1083.2 | 1103.9 | 1137.8 | 1184.1 | 1238.6 | 1298.2 | 1366.8 | 1440.4 | 1519.8 | 1596.7 |
| 30°    | 1070.8 | 1076.6 | 1100.6 | 1140.2 | 1195.6 | 1261.0 | 1333.7 | 1418.9 | 1514.0 | 1607.4 | 1710.0 |
| 32.5°  | 1060.0 | 1066.7 | 1094.8 | 1142.7 | 1205.6 | 1284.1 | 1370.9 | 1480.9 | 1593.4 | 1711.6 | 1832.3 |
| 35°    | 1048.5 | 1056.7 | 1089.8 | 1144.4 | 1216.3 | 1310.6 | 1415.6 | 1547.1 | 1681.8 | 1823.2 | 1960.5 |
| 37.5°  | 1036.1 | 1046.0 | 1083.2 | 1146.0 | 1228.7 | 1336.2 | 1465.2 | 1613.2 | 1772.0 | 1929.1 | 2094.4 |
| 40°    | 1022.8 | 1035.2 | 1075.7 | 1146.9 | 1241.1 | 1366.0 | 1514.8 | 1682.7 | 1858.0 | 2041.5 | 2227.6 |
| 42.5°  | 1010.4 | 1024.5 | 1068.3 | 1146.9 | 1253.5 | 1394.9 | 1560.3 | 1750.5 | 1946.4 | 2149.0 | 2354.9 |
| 45°    | 1000.5 | 1015.4 | 1061.7 | 1146.9 | 1265.9 | 1423.9 | 1604.9 | 1816.6 | 2032.4 | 2251.5 | 2478.9 |
| 47.5°  | 990.6  | 1006.3 | 1055.1 | 1146.0 | 1277.5 | 1451.1 | 1647.1 | 1874.5 | 2107.7 | 2349.9 | 2605.4 |
| 50°    | 979.8  | 997.2  | 1049.3 | 1146.0 | 1288.3 | 1475.9 | 1685.1 | 1924.1 | 2173.8 | 2439.2 | 2716.2 |
| 52.5°  | 969.1  | 986.4  | 1042.7 | 1145.2 | 1299.0 | 1495.0 | 1713.3 | 1960.5 | 2229.2 | 2511.2 | 2806.4 |
| 55°    | 952.5  | 972.4  | 1031.9 | 1141.9 | 1303.1 | 1503.2 | 1724.8 | 1985.3 | 2264.8 | 2560.0 | 2873.3 |
| 57.5°  | 935.2  | 955.9  | 1017.9 | 1134.5 | 1299.8 | 1498.3 | 1723.2 | 1993.6 | 2279.7 | 2588.1 | 2909.7 |
| 60°    | 915.3  | 935.2  | 997.2  | 1118.7 | 1283.3 | 1479.3 | 1712.4 | 1982.0 | 2276.4 | 2588.9 | 2916.3 |
| 62.5°  | 893.0  | 910.4  | 971.6  | 1093.9 | 1252.7 | 1447.0 | 1680.2 | 1955.5 | 2249.1 | 2560.0 | 2873.3 |
| 65°    | 859.1  | 874.8  | 937.7  | 1057.6 | 1206.4 | 1399.9 | 1631.4 | 1902.6 | 2185.4 | 2482.2 | 2773.3 |
| 67.5°  | 810.3  | 826.0  | 891.4  | 1007.1 | 1149.3 | 1337.0 | 1564.4 | 1823.2 | 2080.4 | 2350.8 | 2595.5 |
| 70°    | 746.7  | 762.4  | 831.8  | 938.5  | 1075.7 | 1260.1 | 1473.5 | 1707.5 | 1938.2 | 2129.2 | 2238.3 |
| 72.5°  | 668.9  | 687.1  | 757.4  | 855.8  | 991.4  | 1164.2 | 1361.0 | 1571.0 | 1699.2 | 1840.6 | 2032.4 |
| 75°    | 580.5  | 601.1  | 669.8  | 761.5  | 893.0  | 1047.6 | 1230.4 | 1349.4 | 1495.8 | 1681.0 | 1846.4 |
| 77.5°  | 484.5  | 510.2  | 572.2  | 660.7  | 779.7  | 922.0  | 1033.6 | 1189.0 | 1338.7 | 1491.7 | 1643.0 |
| 80°    | 385.3  | 414.3  | 469.7  | 551.5  | 657.4  | 751.6  | 883.1  | 1024.5 | 1164.2 | 1314.7 | 1461.9 |
| 82.5°  | 286.1  | 315.0  | 366.3  | 437.4  | 512.7  | 603.6  | 726.0  | 864.9  | 1018.7 | 1196.5 | 1374.2 |
| 85°    | 189.4  | 214.2  | 259.6  | 297.7  | 372.1  | 472.1  | 617.7  | 765.7  | 896.3  | 1034.4 | 1167.5 |
| 87.5°  | 99.2   | 114.1  | 141.4  | 196.0  | 277.0  | 352.2  | 450.6  | 552.3  | 643.3  | 764.0  | 866.6  |
| 90°    | 14.1   | 14.9   | 19.8   | 26.5   | 51.3   | 73.6   | 119.9  | 174.5  | 197.6  | 262.9  | 293.5  |
| 92.5°  | 21.5   | 20.7   | 17.4   | 13.2   | 10.7   | 10.7   | 9.9    | 9.1    | 8.3    | 6.6    | 5.0    |
| 95°    | 95.9   | 104.2  | 95.1   | 81.9   | 64.5   | 57.1   | 42.2   | 29.8   | 24.8   | 19.0   | 17.4   |
| 97.5°  | 176.1  | 196.0  | 196.8  | 183.6  | 175.3  | 161.2  | 139.7  | 135.6  | 129.8  | 113.3  | 99.2   |
| 100°   | 265.4  | 293.5  | 302.6  | 291.9  | 288.6  | 307.6  | 302.6  | 281.1  | 253.8  | 232.3  | 242.3  |
| 102.5° | 356.4  | 382.0  | 400.2  | 430.8  | 393.6  | 420.0  | 457.3  | 481.2  | 498.6  | 482.9  | 448.2  |
| 105°   | 415.9  | 437.4  | 470.5  | 514.3  | 546.6  | 504.4  | 539.9  | 625.9  | 705.3  | 750.8  | 779.7  |
| 107.5° | 468.8  | 483.7  | 525.1  | 578.8  | 639.2  | 673.9  | 619.3  | 677.2  | 810.3  | 941.8  | 1037.7 |
| 110°   | 530.8  | 540.8  | 563.1  | 637.5  | 703.7  | 792.1  | 812.0  | 765.7  | 831.0  | 980.7  | 1175.0 |



TEST NUMBER: P236465

CATALOG NUMBER: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 112.5° | 577.1 | 579.6 | 573.0 | 663.1 | 751.6 | 838.4 | 960.0  | 983.1  | 958.3  | 1003.8 | 1123.7 |
| 115°   | 608.6 | 604.4 | 581.3 | 654.9 | 770.6 | 874.0 | 992.2  | 1141.1 | 1180.8 | 1184.1 | 1203.9 |
| 117.5° | 625.9 | 618.5 | 597.0 | 641.6 | 768.2 | 893.8 | 1014.6 | 1165.0 | 1320.5 | 1385.0 | 1439.6 |
| 120°   | 631.7 | 623.5 | 616.8 | 615.2 | 734.3 | 890.5 | 1031.9 | 1170.0 | 1327.9 | 1491.7 | 1584.3 |
| 122.5° | 630.9 | 624.3 | 633.4 | 589.6 | 693.7 | 864.9 | 1026.1 | 1173.3 | 1315.5 | 1476.8 | 1637.2 |
| 125°   | 626.8 | 621.8 | 640.0 | 584.6 | 665.6 | 807.0 | 989.8  | 1156.8 | 1299.8 | 1447.0 | 1591.7 |
| 127.5° | 616.8 | 614.4 | 637.5 | 587.9 | 627.6 | 746.7 | 936.0  | 1113.0 | 1266.8 | 1410.6 | 1550.4 |
| 130°   | 600.3 | 600.3 | 622.6 | 600.3 | 586.2 | 696.2 | 841.7  | 1038.5 | 1202.3 | 1353.6 | 1496.6 |
| 132.5° | 564.7 | 568.9 | 589.6 | 600.3 | 562.3 | 648.3 | 756.6  | 933.5  | 1099.7 | 1268.4 | 1407.3 |
| 135°   | 521.8 | 530.0 | 551.5 | 581.3 | 538.3 | 581.3 | 690.4  | 806.2  | 988.1  | 1141.9 | 1300.7 |
| 137.5° | 489.5 | 500.3 | 521.8 | 560.6 | 545.7 | 547.4 | 646.6  | 729.3  | 842.6  | 1018.7 | 1156.0 |
| 140°   | 462.2 | 473.8 | 495.3 | 537.5 | 548.2 | 520.9 | 572.2  | 675.5  | 750.0  | 858.3  | 1017.0 |
| 142.5° | 443.2 | 453.1 | 473.0 | 511.8 | 535.0 | 514.3 | 536.6  | 611.1  | 682.2  | 755.8  | 842.6  |
| 145°   | 430.8 | 439.1 | 455.6 | 487.0 | 520.1 | 526.7 | 506.9  | 546.6  | 627.6  | 680.5  | 744.2  |
| 147.5° | 430.8 | 434.1 | 444.0 | 464.7 | 504.4 | 522.6 | 507.7  | 516.0  | 549.0  | 638.3  | 673.1  |
| 150°   | 433.3 | 434.1 | 443.2 | 456.4 | 488.7 | 515.1 | 526.7  | 491.2  | 515.1  | 547.4  | 606.9  |
| 152.5° | 425.8 | 430.0 | 446.5 | 460.6 | 481.2 | 507.7 | 515.1  | 515.1  | 484.5  | 509.3  | 530.8  |
| 155°   | 421.7 | 425.0 | 442.4 | 455.6 | 469.7 | 493.6 | 506.9  | 514.3  | 509.3  | 478.8  | 494.5  |
| 157.5° | 420.9 | 422.5 | 435.8 | 449.0 | 462.2 | 477.1 | 496.9  | 504.4  | 507.7  | 511.0  | 491.2  |
| 160°   | 420.0 | 420.9 | 432.4 | 443.2 | 455.6 | 465.5 | 479.6  | 495.3  | 498.6  | 500.3  | 512.7  |
| 162.5° | 419.2 | 420.0 | 429.1 | 440.7 | 449.0 | 458.1 | 465.5  | 477.1  | 487.0  | 492.8  | 495.3  |
| 165°   | 419.2 | 419.2 | 425.8 | 437.4 | 444.0 | 450.6 | 456.4  | 461.4  | 463.9  | 472.1  | 479.6  |
| 167.5° | 419.2 | 419.2 | 422.5 | 430.8 | 439.9 | 442.4 | 445.7  | 449.8  | 449.0  | 449.0  | 449.0  |
| 170°   | 420.0 | 420.0 | 420.0 | 424.2 | 431.6 | 436.6 | 436.6  | 437.4  | 434.9  | 432.4  | 427.5  |
| 172.5° | 419.2 | 418.4 | 418.4 | 418.4 | 420.9 | 423.4 | 425.8  | 426.7  | 422.5  | 418.4  | 411.8  |
| 175°   | 418.4 | 417.6 | 415.9 | 414.3 | 414.3 | 411.8 | 410.1  | 408.5  | 405.2  | 403.5  | 398.5  |
| 177.5° | 417.6 | 416.7 | 415.1 | 412.6 | 411.0 | 406.8 | 402.7  | 397.7  | 390.3  | 385.3  | 377.9  |
| 180°   | 388.6 | 388.6 | 388.6 | 388.6 | 388.6 | 388.6 | 388.6  | 388.6  | 388.6  | 388.6  | 388.6  |



TEST NUMBER: P236465

CATALOG NUMBER: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 | 1072.4 |
| 2.5°   | 1066.7 | 1063.3 | 1063.3 | 1065.0 | 1067.5 | 1067.5 | 1067.5 | 1070.8 |
| 5°     | 1081.5 | 1080.7 | 1082.4 | 1085.7 | 1088.2 | 1088.2 | 1087.3 | 1091.5 |
| 7.5°   | 1107.2 | 1108.0 | 1111.3 | 1117.1 | 1121.2 | 1122.1 | 1122.1 | 1127.0 |
| 10°    | 1141.1 | 1146.0 | 1155.1 | 1163.4 | 1170.0 | 1172.5 | 1174.1 | 1179.1 |
| 12.5°  | 1186.5 | 1194.8 | 1206.4 | 1218.8 | 1228.7 | 1233.7 | 1236.2 | 1239.5 |
| 15°    | 1239.5 | 1255.2 | 1272.5 | 1289.1 | 1303.1 | 1311.4 | 1315.5 | 1323.8 |
| 17.5°  | 1304.8 | 1326.3 | 1347.8 | 1372.6 | 1391.6 | 1403.2 | 1409.8 | 1414.8 |
| 20°    | 1377.6 | 1411.5 | 1443.7 | 1476.8 | 1501.6 | 1516.5 | 1523.9 | 1528.9 |
| 22.5°  | 1467.7 | 1512.3 | 1553.7 | 1595.0 | 1624.0 | 1647.9 | 1658.7 | 1662.0 |
| 25°    | 1566.1 | 1624.0 | 1681.0 | 1733.9 | 1773.6 | 1794.3 | 1805.9 | 1810.8 |
| 27.5°  | 1681.8 | 1757.1 | 1821.6 | 1881.1 | 1925.8 | 1959.7 | 1975.4 | 1982.0 |
| 30°    | 1811.7 | 1897.6 | 1978.7 | 2054.8 | 2106.0 | 2142.4 | 2162.2 | 2169.7 |
| 32.5°  | 1951.4 | 2061.4 | 2153.1 | 2233.4 | 2304.5 | 2343.3 | 2368.1 | 2375.6 |
| 35°    | 2106.8 | 2227.6 | 2341.7 | 2441.7 | 2517.0 | 2559.1 | 2573.2 | 2580.6 |
| 37.5°  | 2255.7 | 2405.3 | 2532.7 | 2641.0 | 2736.1 | 2804.7 | 2845.2 | 2861.8 |
| 40°    | 2412.0 | 2575.7 | 2721.2 | 2863.4 | 2997.4 | 3088.3 | 3135.5 | 3151.2 |
| 42.5°  | 2560.0 | 2748.5 | 2928.7 | 3095.8 | 3228.1 | 3294.2 | 3332.3 | 3347.1 |
| 45°    | 2712.9 | 2929.6 | 3132.2 | 3305.0 | 3424.9 | 3484.4 | 3523.3 | 3536.5 |
| 47.5°  | 2861.8 | 3099.9 | 3320.7 | 3495.1 | 3634.1 | 3725.8 | 3779.6 | 3798.6 |
| 50°    | 2993.2 | 3253.7 | 3485.2 | 3678.7 | 3814.3 | 3885.4 | 3928.4 | 3949.1 |
| 52.5°  | 3104.9 | 3376.9 | 3619.2 | 3800.3 | 3937.5 | 4024.3 | 4078.9 | 4100.4 |
| 55°    | 3176.8 | 3462.1 | 3705.2 | 3897.8 | 4044.2 | 4138.4 | 4198.8 | 4226.9 |
| 57.5°  | 3220.6 | 3507.5 | 3752.3 | 3949.1 | 4102.9 | 4202.1 | 4265.0 | 4299.7 |
| 60°    | 3217.3 | 3495.1 | 3738.2 | 3931.7 | 4078.1 | 4181.4 | 4248.4 | 4288.9 |
| 62.5°  | 3161.9 | 3418.2 | 3638.2 | 3799.4 | 3919.3 | 3962.3 | 3968.9 | 3999.5 |
| 65°    | 3030.4 | 3227.2 | 3331.4 | 3389.3 | 3467.0 | 3512.5 | 3530.7 | 3560.5 |
| 67.5°  | 2712.9 | 2817.1 | 2957.7 | 3085.0 | 3197.5 | 3258.7 | 3295.0 | 3319.0 |
| 70°    | 2397.1 | 2574.0 | 2728.6 | 2853.5 | 2944.5 | 3008.1 | 3026.3 | 3056.1 |
| 72.5°  | 2201.9 | 2354.1 | 2484.7 | 2586.4 | 2665.0 | 2712.9 | 2719.5 | 2730.3 |
| 75°    | 1982.8 | 2102.7 | 2229.2 | 2342.5 | 2433.5 | 2486.4 | 2521.9 | 2537.6 |
| 77.5°  | 1786.8 | 1919.1 | 2044.8 | 2158.9 | 2256.5 | 2314.4 | 2350.8 | 2364.0 |
| 80°    | 1609.9 | 1774.4 | 1929.9 | 2057.2 | 2163.9 | 2241.6 | 2268.9 | 2279.7 |
| 82.5°  | 1528.9 | 1667.0 | 1786.8 | 1873.7 | 1947.3 | 1986.1 | 1995.2 | 1996.9 |
| 85°    | 1289.9 | 1390.0 | 1480.9 | 1556.2 | 1624.8 | 1668.6 | 1685.1 | 1682.7 |
| 87.5°  | 967.4  | 1049.3 | 1132.8 | 1203.9 | 1274.2 | 1323.8 | 1342.0 | 1340.3 |
| 90°    | 346.5  | 346.5  | 392.8  | 418.4  | 490.3  | 535.8  | 520.1  | 473.8  |
| 92.5°  | 3.3    | 3.3    | 2.5    | 1.7    | 1.7    | 0.8    | 0.8    | 0.8    |
| 95°    | 15.7   | 15.7   | 14.9   | 14.9   | 14.9   | 14.1   | 14.1   | 14.1   |
| 97.5°  | 80.2   | 71.9   | 60.4   | 52.9   | 43.0   | 37.2   | 36.4   | 34.7   |
| 100°   | 243.1  | 239.0  | 226.6  | 219.1  | 208.4  | 200.1  | 197.6  | 197.6  |
| 102.5° | 403.5  | 365.5  | 355.6  | 363.8  | 372.9  | 376.2  | 376.2  | 378.7  |
| 105°   | 795.4  | 791.3  | 770.6  | 730.9  | 683.8  | 640.8  | 625.1  | 624.3  |
| 107.5° | 1107.2 | 1169.2 | 1213.0 | 1233.7 | 1244.4 | 1236.2 | 1233.7 | 1243.6 |
| 110°   | 1321.3 | 1438.7 | 1537.1 | 1605.8 | 1651.2 | 1664.5 | 1674.4 | 1686.8 |





TEST NUMBER: P236465

CATALOG NUMBER: SKB4-LD5-18-N-UNV-L850-CD2-U all blades horizontal

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1322.2 | 1538.8 | 1725.7 | 1839.8 | 1917.5 | 1951.4 | 1971.2 | 1985.3 |
| 115°   | 1292.4 | 1419.7 | 1619.0 | 1796.8 | 1958.0 | 2064.7 | 2121.7 | 2147.4 |
| 117.5° | 1434.6 | 1473.5 | 1566.1 | 1653.7 | 1742.2 | 1815.8 | 1862.9 | 1882.8 |
| 120°   | 1633.9 | 1683.5 | 1692.6 | 1720.7 | 1768.7 | 1786.0 | 1796.8 | 1807.5 |
| 122.5° | 1741.4 | 1785.2 | 1845.6 | 1905.9 | 1940.6 | 1968.8 | 1989.4 | 2004.3 |
| 125°   | 1757.1 | 1851.3 | 1929.1 | 1963.8 | 1983.6 | 2018.4 | 2077.1 | 2106.8 |
| 127.5° | 1683.5 | 1818.3 | 1943.1 | 1986.1 | 2031.6 | 2041.5 | 2050.6 | 2054.8 |
| 130°   | 1624.0 | 1743.0 | 1834.8 | 1927.4 | 2004.3 | 2038.2 | 2044.0 | 2044.0 |
| 132.5° | 1546.2 | 1646.3 | 1750.5 | 1826.5 | 1869.5 | 1901.0 | 1920.8 | 1929.1 |
| 135°   | 1423.0 | 1538.8 | 1633.9 | 1702.5 | 1763.7 | 1794.3 | 1807.5 | 1814.1 |
| 137.5° | 1291.6 | 1398.2 | 1490.8 | 1581.8 | 1645.5 | 1678.5 | 1690.9 | 1694.2 |
| 140°   | 1134.5 | 1236.2 | 1340.3 | 1423.9 | 1480.9 | 1523.1 | 1543.8 | 1547.1 |
| 142.5° | 977.4  | 1082.4 | 1162.6 | 1236.2 | 1304.0 | 1356.9 | 1385.0 | 1392.4 |
| 145°   | 807.0  | 894.7  | 993.9  | 1068.3 | 1127.8 | 1165.0 | 1189.0 | 1198.1 |
| 147.5° | 719.4  | 768.2  | 811.2  | 866.6  | 925.3  | 979.8  | 1012.9 | 1020.3 |
| 150°   | 658.2  | 686.3  | 719.4  | 750.8  | 775.6  | 790.5  | 802.1  | 795.4  |
| 152.5° | 568.1  | 646.6  | 662.3  | 674.7  | 684.6  | 696.2  | 689.6  | 689.6  |
| 155°   | 511.0  | 530.0  | 562.3  | 591.2  | 645.0  | 630.1  | 626.8  | 625.1  |
| 157.5° | 475.4  | 483.7  | 497.8  | 501.9  | 499.4  | 495.3  | 497.8  | 492.0  |
| 160°   | 501.9  | 482.9  | 457.3  | 456.4  | 444.0  | 437.4  | 434.1  | 430.8  |
| 162.5° | 496.1  | 501.1  | 501.1  | 488.7  | 469.7  | 449.0  | 436.6  | 432.4  |
| 165°   | 484.5  | 486.2  | 487.8  | 482.9  | 477.9  | 467.2  | 461.4  | 460.6  |
| 167.5° | 452.3  | 460.6  | 467.2  | 473.0  | 477.1  | 470.5  | 458.9  | 455.6  |
| 170°   | 425.0  | 425.8  | 427.5  | 434.1  | 444.0  | 446.5  | 439.9  | 420.9  |
| 172.5° | 405.2  | 402.7  | 401.9  | 407.6  | 420.9  | 431.6  | 435.8  | 446.5  |
| 175°   | 390.3  | 382.8  | 380.4  | 386.1  | 400.2  | 415.9  | 433.3  | 437.4  |
| 177.5° | 368.0  | 358.9  | 353.9  | 359.7  | 372.9  | 393.6  | 414.3  | 416.7  |
| 180°   | 388.6  | 388.6  | 388.6  | 388.6  | 388.6  | 388.6  | 388.6  | 388.6  |

(END OF REPORT)