

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: P236521

Luminaire Tested: **SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24061)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE
4 BLADES WITH NARROW DISTRIBUTION LENS, OUTER 2 BLADES VERTICAL INNER 2
BLADES HORIZONTAL
Light Source: (952) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

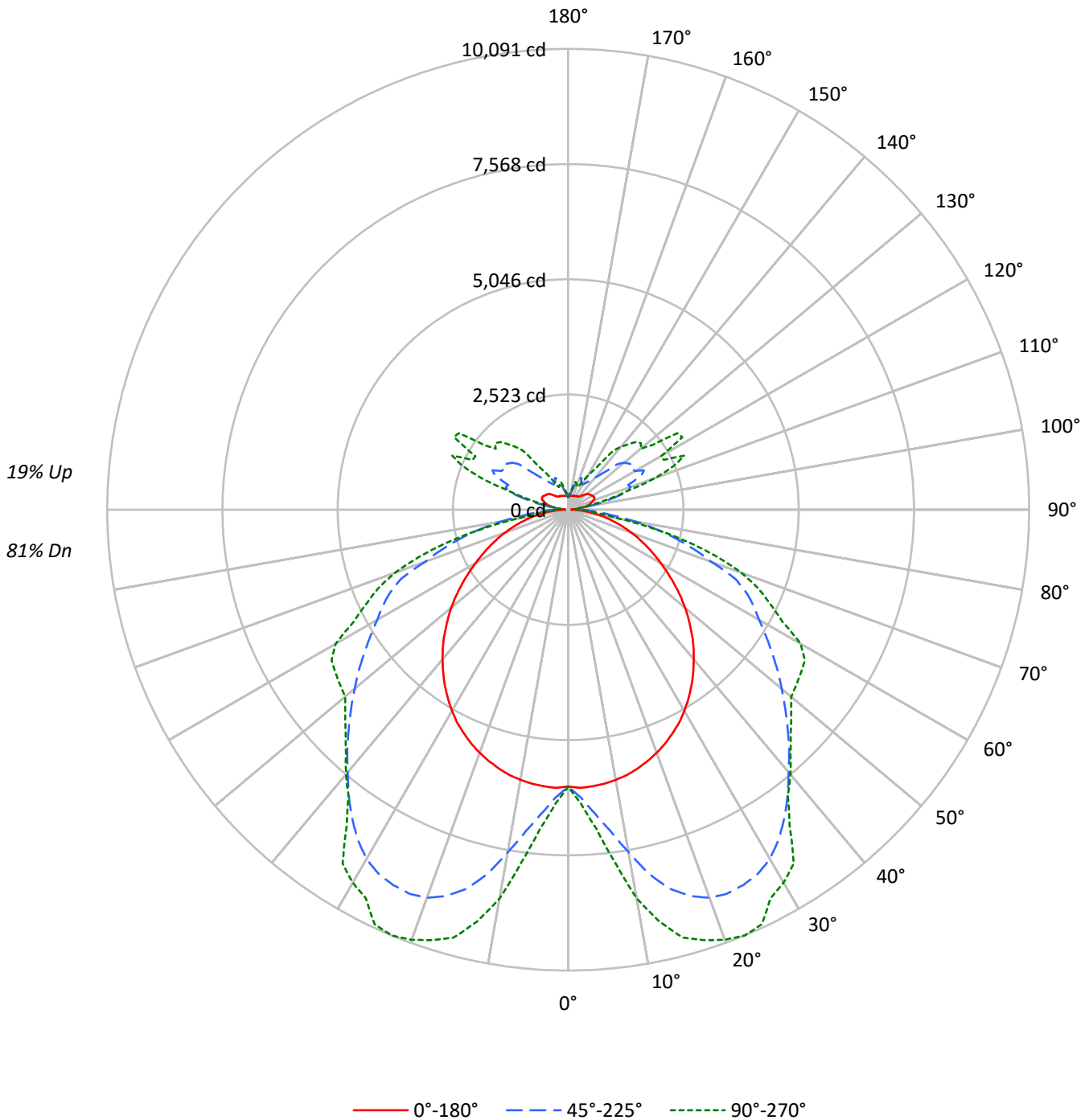
Lumens per Lamp: N/A
Luminaire Lumens: 34373.0 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.79 / 1.74
Luminous Opening: Rectangular w/ Sides (W: 1.88' x L: 4' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 333.5
Input Voltage (V): 120
Input Current (A_{in}): 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: P236521

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades

Luminous Intensity Polar Plot





TEST NUMBER: P236521

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades

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 | 115 | 115 | 115 | 115 | 110 | 110 | 110 | 110 | 101 | 101 | 101 | 93 | 93 | 93 | 85 | 85 | 85 | 81 |
| 1 | 104 | 99 | 95 | 91 | 99 | 95 | 91 | 87 | 87 | 84 | 81 | 80 | 78 | 75 | 74 | 72 | 70 | 67 |
| 2 | 94 | 86 | 79 | 73 | 90 | 82 | 76 | 70 | 76 | 70 | 66 | 70 | 65 | 62 | 64 | 61 | 58 | 55 |
| 3 | 85 | 75 | 66 | 60 | 81 | 72 | 64 | 58 | 66 | 60 | 55 | 61 | 56 | 51 | 56 | 52 | 48 | 45 |
| 4 | 78 | 66 | 57 | 50 | 74 | 63 | 55 | 49 | 58 | 52 | 46 | 54 | 48 | 44 | 50 | 45 | 41 | 38 |
| 5 | 71 | 58 | 49 | 43 | 68 | 56 | 48 | 42 | 52 | 45 | 40 | 48 | 42 | 37 | 44 | 39 | 35 | 33 |
| 6 | 66 | 52 | 43 | 37 | 63 | 50 | 42 | 36 | 47 | 40 | 34 | 43 | 37 | 33 | 40 | 35 | 31 | 28 |
| 7 | 61 | 47 | 38 | 32 | 58 | 46 | 37 | 32 | 42 | 35 | 30 | 39 | 33 | 29 | 36 | 31 | 27 | 25 |
| 8 | 56 | 43 | 34 | 29 | 54 | 41 | 33 | 28 | 39 | 32 | 27 | 36 | 30 | 25 | 33 | 28 | 24 | 22 |
| 9 | 53 | 39 | 31 | 25 | 50 | 38 | 30 | 25 | 35 | 29 | 24 | 33 | 27 | 23 | 31 | 26 | 22 | 20 |
| 10 | 49 | 36 | 28 | 23 | 47 | 35 | 27 | 22 | 33 | 26 | 21 | 30 | 25 | 21 | 28 | 23 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|-------|-------|
| 0° | 8702 | 8702 | 8702 |
| 5° | 8719 | 9520 | 9990 |
| 10° | 8672 | 10878 | 12356 |
| 15° | 8595 | 12383 | 13996 |
| 20° | 8493 | 13258 | 14712 |
| 25° | 8352 | 13626 | 15084 |
| 30° | 8179 | 13719 | 14685 |
| 35° | 7954 | 13372 | 13744 |
| 40° | 7678 | 12820 | 12970 |
| 45° | 7376 | 12363 | 12587 |
| 50° | 7020 | 11974 | 12561 |
| 55° | 6600 | 11681 | 13431 |
| 60° | 6160 | 11545 | 14142 |
| 65° | 5786 | 11718 | 13381 |
| 70° | 5411 | 10639 | 12944 |
| 75° | 4983 | 9456 | 10546 |
| 80° | 4497 | 7436 | 5899 |
| 85° | 3804 | 4925 | 3806 |



TEST NUMBER: P236521

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 658.8 | 1.9 |
| 10°-20° | 2315.7 | 6.7 |
| 20°-30° | 3897.7 | 11.3 |
| 30°-40° | 4714.3 | 13.7 |
| 40°-50° | 4797.3 | 14.0 |
| 50°-60° | 4567.3 | 13.3 |
| 60°-70° | 3870.5 | 11.3 |
| 70°-80° | 2395.7 | 7.0 |
| 80°-90° | 788.1 | 2.3 |
| 90°-100° | 323.5 | 0.9 |
| 100°-110° | 987.3 | 2.9 |
| 110°-120° | 1603.9 | 4.7 |
| 120°-130° | 1459.9 | 4.2 |
| 130°-140° | 1003.1 | 2.9 |
| 140°-150° | 530.7 | 1.5 |
| 150°-160° | 280.5 | 0.8 |
| 160°-170° | 146.0 | 0.4 |
| 170°-180° | 32.7 | 0.1 |
| 0°-30° | 6872.1 | 20.0 |
| 0°-40° | 11586.4 | 33.7 |
| 0°-60° | 20951.0 | 61.0 |
| 0°-90° | 28005.3 | 81.5 |
| 90°-120° | 2914.8 | 8.5 |
| 90°-150° | 5908.5 | 17.2 |
| 90°-180° | 6368.0 | 18.5 |
| 0°-180° | 34373.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|-------|------|
| 0° | 6064 | 6064 | 6064 | 6064 | 6064 | |
| 5° | 6080 | 6336 | 6675 | 6884 | 7002 | 578 |
| 15° | 5866 | 6983 | 8592 | 9392 | 9700 | 1655 |
| 25° | 5402 | 7373 | 9068 | 9860 | 10019 | 2489 |
| 35° | 4705 | 6781 | 8249 | 8534 | 8455 | 2940 |
| 45° | 3824 | 5605 | 6794 | 7027 | 6891 | 2948 |
| 55° | 2834 | 4314 | 5438 | 6057 | 6220 | 2536 |
| 65° | 1894 | 3192 | 4305 | 4722 | 4879 | 1880 |
| 75° | 1073 | 2102 | 2440 | 2683 | 2691 | 1139 |
| 85° | 368 | 909 | 694 | 573 | 525 | 370 |
| 90° | 71 | 508 | 330 | 257 | 224 | 59 |
| 95° | 174 | 371 | 238 | 168 | 138 | 178 |
| 105° | 496 | 875 | 1101 | 977 | 951 | 516 |
| 115° | 632 | 1053 | 1767 | 2284 | 2803 | 616 |
| 125° | 578 | 842 | 1715 | 2299 | 2921 | 517 |
| 135° | 441 | 697 | 1221 | 1926 | 2094 | 349 |
| 145° | 351 | 728 | 735 | 1009 | 1234 | 224 |
| 155° | 332 | 550 | 669 | 650 | 595 | 155 |
| 165° | 315 | 393 | 563 | 661 | 631 | 89 |
| 175° | 301 | 302 | 319 | 321 | 359 | 29 |
| 180° | 278 | 278 | 278 | 278 | 278 | |



TEST NUMBER: P236521

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 |
| 2.5° | 6097.3 | 6076.4 | 6070.0 | 6102.1 | 6152.0 | 6176.2 | 6205.1 | 6229.3 | 6263.1 | 6303.3 | 6345.1 |
| 5° | 6079.6 | 6073.2 | 6103.7 | 6185.8 | 6287.2 | 6383.8 | 6485.1 | 6543.1 | 6605.8 | 6675.0 | 6745.8 |
| 7.5° | 6053.9 | 6066.7 | 6142.4 | 6284.0 | 6472.3 | 6576.9 | 6695.9 | 6824.7 | 6971.1 | 7096.6 | 7244.7 |
| 10° | 6005.6 | 6050.6 | 6177.8 | 6391.8 | 6572.0 | 6755.5 | 6961.5 | 7162.6 | 7391.1 | 7616.4 | 7836.9 |
| 12.5° | 5949.3 | 6016.9 | 6216.4 | 6433.6 | 6689.5 | 6953.4 | 7243.1 | 7547.2 | 7870.7 | 8166.8 | 8443.5 |
| 15° | 5865.6 | 5970.2 | 6221.2 | 6464.2 | 6808.6 | 7157.8 | 7542.4 | 7941.5 | 8314.8 | 8591.6 | 8863.5 |
| 17.5° | 5770.6 | 5907.4 | 6181.0 | 6491.6 | 6913.2 | 7349.3 | 7833.7 | 8248.8 | 8596.4 | 8865.2 | 9140.3 |
| 20° | 5666.0 | 5835.0 | 6124.7 | 6506.1 | 7006.5 | 7532.7 | 8033.2 | 8417.8 | 8747.7 | 9045.4 | 9315.7 |
| 22.5° | 5542.1 | 5746.5 | 6053.9 | 6498.0 | 7075.7 | 7642.2 | 8118.5 | 8485.4 | 8841.0 | 9098.5 | 9325.4 |
| 25° | 5402.1 | 5635.5 | 5962.1 | 6467.4 | 7107.9 | 7637.3 | 8112.0 | 8503.1 | 8799.2 | 9067.9 | 9306.1 |
| 27.5° | 5258.9 | 5493.9 | 5851.1 | 6404.7 | 7062.8 | 7581.0 | 8062.2 | 8400.1 | 8710.7 | 8989.1 | 9249.8 |
| 30° | 5083.5 | 5329.7 | 5706.3 | 6303.3 | 6932.5 | 7450.7 | 7907.7 | 8245.6 | 8554.6 | 8829.8 | 9056.7 |
| 32.5° | 4900.1 | 5146.3 | 5534.1 | 6163.3 | 6760.3 | 7275.3 | 7690.4 | 8023.5 | 8311.6 | 8569.1 | 8765.4 |
| 35° | 4705.3 | 4940.3 | 5341.0 | 5979.8 | 6544.7 | 7017.8 | 7442.6 | 7748.4 | 8031.6 | 8248.8 | 8379.2 |
| 37.5° | 4494.5 | 4718.2 | 5131.8 | 5754.5 | 6311.3 | 6745.8 | 7151.3 | 7444.2 | 7698.5 | 7890.0 | 7984.9 |
| 40° | 4277.3 | 4484.9 | 4901.7 | 5508.3 | 6029.7 | 6454.6 | 6821.5 | 7117.6 | 7342.8 | 7505.4 | 7585.8 |
| 42.5° | 4060.0 | 4238.7 | 4658.7 | 5244.4 | 5715.9 | 6140.8 | 6498.0 | 6774.8 | 7000.1 | 7156.2 | 7247.9 |
| 45° | 3823.5 | 3990.9 | 4409.2 | 4966.0 | 5400.5 | 5809.3 | 6164.9 | 6430.4 | 6638.0 | 6794.1 | 6900.3 |
| 47.5° | 3583.7 | 3739.8 | 4150.2 | 4679.6 | 5085.1 | 5484.2 | 5825.4 | 6084.4 | 6295.2 | 6444.9 | 6578.5 |
| 50° | 3339.1 | 3485.6 | 3881.4 | 4354.5 | 4758.4 | 5146.3 | 5477.8 | 5736.8 | 5941.2 | 6100.5 | 6238.9 |
| 52.5° | 3089.7 | 3226.5 | 3603.0 | 4045.6 | 4436.6 | 4826.0 | 5133.4 | 5392.5 | 5600.1 | 5777.1 | 5930.0 |
| 55° | 2833.8 | 2970.6 | 3342.3 | 3751.1 | 4130.9 | 4497.8 | 4803.5 | 5056.1 | 5262.1 | 5437.5 | 5612.9 |
| 57.5° | 2581.2 | 2718.0 | 3084.9 | 3461.4 | 3841.2 | 4190.4 | 4489.7 | 4723.0 | 4932.2 | 5127.0 | 5320.1 |
| 60° | 2339.8 | 2483.0 | 2833.8 | 3197.5 | 3554.8 | 3892.7 | 4185.6 | 4402.8 | 4605.6 | 4826.0 | 5086.7 |
| 62.5° | 2112.9 | 2264.2 | 2592.4 | 2954.5 | 3297.3 | 3612.7 | 3875.0 | 4081.0 | 4303.0 | 4581.4 | 4848.6 |
| 65° | 1894.0 | 2053.4 | 2363.9 | 2718.0 | 3046.2 | 3337.5 | 3562.8 | 3764.0 | 4031.1 | 4304.6 | 4550.9 |
| 67.5° | 1683.2 | 1845.8 | 2148.3 | 2487.8 | 2783.9 | 3055.9 | 3245.8 | 3477.5 | 3738.2 | 3960.3 | 3965.1 |
| 70° | 1474.0 | 1644.6 | 1942.3 | 2257.7 | 2529.7 | 2751.8 | 2967.4 | 3175.0 | 3313.4 | 3339.1 | 3456.6 |
| 72.5° | 1271.3 | 1453.1 | 1729.9 | 2021.2 | 2265.8 | 2475.0 | 2676.1 | 2735.7 | 2764.6 | 2898.2 | 2989.9 |
| 75° | 1073.3 | 1258.4 | 1523.9 | 1783.0 | 1997.0 | 2207.8 | 2262.6 | 2269.0 | 2351.1 | 2439.6 | 2499.1 |
| 77.5° | 883.5 | 1065.3 | 1317.9 | 1544.8 | 1755.7 | 1845.8 | 1865.1 | 1892.4 | 1926.2 | 1972.9 | 2000.3 |
| 80° | 704.8 | 878.6 | 1108.7 | 1317.9 | 1449.9 | 1511.1 | 1522.3 | 1514.3 | 1501.4 | 1488.5 | 1467.6 |
| 82.5° | 534.3 | 695.2 | 897.9 | 1075.0 | 1169.9 | 1208.5 | 1182.8 | 1129.7 | 1083.0 | 1018.6 | 975.2 |
| 85° | 368.5 | 508.5 | 685.5 | 819.1 | 904.4 | 914.0 | 867.4 | 811.0 | 754.7 | 693.6 | 643.7 |
| 87.5° | 212.4 | 321.8 | 473.1 | 606.7 | 690.4 | 685.5 | 627.6 | 568.1 | 519.8 | 479.5 | 450.6 |
| 90° | 70.8 | 167.4 | 312.2 | 434.5 | 511.7 | 503.7 | 453.8 | 405.5 | 366.9 | 329.9 | 300.9 |
| 92.5° | 75.6 | 138.4 | 244.6 | 337.9 | 397.5 | 403.9 | 370.1 | 331.5 | 292.9 | 255.9 | 230.1 |
| 95° | 173.8 | 210.8 | 284.8 | 347.6 | 371.7 | 370.1 | 344.4 | 309.0 | 273.6 | 238.2 | 209.2 |
| 97.5° | 263.9 | 307.4 | 368.5 | 449.0 | 497.2 | 487.6 | 444.1 | 376.6 | 331.5 | 297.7 | 268.7 |
| 100° | 357.2 | 423.2 | 469.9 | 558.4 | 629.2 | 669.4 | 651.7 | 600.2 | 556.8 | 502.1 | 431.3 |
| 102.5° | 445.8 | 529.4 | 572.9 | 667.8 | 753.1 | 815.9 | 856.1 | 854.5 | 825.5 | 769.2 | 733.8 |
| 105° | 495.6 | 593.8 | 632.4 | 743.5 | 846.4 | 904.4 | 959.1 | 1041.2 | 1103.9 | 1100.7 | 1076.6 |
| 107.5° | 537.5 | 629.2 | 677.5 | 786.9 | 907.6 | 1036.3 | 1049.2 | 1091.0 | 1266.5 | 1369.4 | 1429.0 |
| 110° | 593.8 | 675.9 | 720.9 | 822.3 | 975.2 | 1073.3 | 1234.3 | 1229.4 | 1226.2 | 1454.7 | 1657.5 |



TEST NUMBER: P236521

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 622.8 | 698.4 | 730.6 | 822.3 | 994.5 | 1123.2 | 1242.3 | 1441.9 | 1467.6 | 1417.7 | 1535.2 |
| 115° | 632.4 | 701.6 | 740.2 | 801.4 | 960.7 | 1145.8 | 1255.2 | 1406.5 | 1663.9 | 1766.9 | 1728.3 |
| 117.5° | 627.6 | 690.4 | 764.4 | 775.6 | 902.8 | 1132.9 | 1290.6 | 1388.8 | 1562.5 | 1868.3 | 2045.3 |
| 120° | 609.9 | 659.8 | 783.7 | 740.2 | 854.5 | 1070.1 | 1287.4 | 1440.2 | 1527.1 | 1691.3 | 1987.4 |
| 122.5° | 592.2 | 634.0 | 786.9 | 716.1 | 827.1 | 976.8 | 1250.4 | 1425.8 | 1585.1 | 1662.3 | 1773.4 |
| 125° | 577.7 | 611.5 | 780.5 | 714.5 | 777.3 | 906.0 | 1123.2 | 1392.0 | 1554.5 | 1715.4 | 1799.1 |
| 127.5° | 560.0 | 589.0 | 770.8 | 761.2 | 738.6 | 870.6 | 1013.8 | 1290.6 | 1511.1 | 1663.9 | 1821.6 |
| 130° | 534.3 | 561.6 | 749.9 | 807.8 | 703.2 | 807.8 | 925.3 | 1102.3 | 1414.5 | 1597.9 | 1744.4 |
| 132.5° | 489.2 | 516.6 | 693.6 | 814.3 | 683.9 | 737.0 | 877.0 | 973.6 | 1174.7 | 1486.9 | 1654.3 |
| 135° | 440.9 | 468.3 | 622.8 | 777.3 | 704.8 | 688.7 | 780.5 | 897.9 | 1018.6 | 1221.4 | 1514.3 |
| 137.5° | 407.1 | 432.9 | 555.2 | 733.8 | 764.4 | 654.9 | 719.3 | 823.9 | 910.8 | 1033.1 | 1202.1 |
| 140° | 379.8 | 405.5 | 494.0 | 700.0 | 782.1 | 671.0 | 672.7 | 741.8 | 843.2 | 909.2 | 1010.6 |
| 142.5° | 360.5 | 383.0 | 450.6 | 643.7 | 746.7 | 709.7 | 643.7 | 680.7 | 745.1 | 836.8 | 893.1 |
| 145° | 350.8 | 366.9 | 424.8 | 580.9 | 698.4 | 757.9 | 664.6 | 635.6 | 683.9 | 735.4 | 819.1 |
| 147.5° | 350.8 | 360.5 | 405.5 | 510.1 | 663.0 | 743.5 | 706.4 | 650.1 | 637.2 | 679.1 | 720.9 |
| 150° | 349.2 | 355.6 | 397.5 | 458.6 | 606.7 | 693.6 | 764.4 | 671.0 | 648.5 | 635.6 | 664.6 |
| 152.5° | 339.5 | 347.6 | 392.6 | 440.9 | 556.8 | 666.2 | 727.4 | 748.3 | 672.7 | 658.2 | 629.2 |
| 155° | 331.5 | 337.9 | 379.8 | 424.8 | 492.4 | 608.3 | 675.9 | 730.6 | 737.0 | 669.4 | 667.8 |
| 157.5° | 326.7 | 331.5 | 365.3 | 405.5 | 444.1 | 540.7 | 627.6 | 675.9 | 732.2 | 756.3 | 703.2 |
| 160° | 321.8 | 325.1 | 354.0 | 386.2 | 423.2 | 471.5 | 558.4 | 626.0 | 671.0 | 712.9 | 756.3 |
| 162.5° | 317.0 | 318.6 | 341.2 | 370.1 | 400.7 | 429.7 | 479.5 | 548.7 | 606.7 | 651.7 | 672.7 |
| 165° | 315.4 | 315.4 | 329.9 | 357.2 | 379.8 | 405.5 | 429.7 | 465.1 | 514.9 | 563.2 | 601.8 |
| 167.5° | 310.6 | 310.6 | 320.2 | 339.5 | 362.1 | 378.2 | 399.1 | 416.8 | 429.7 | 460.2 | 490.8 |
| 170° | 307.4 | 307.4 | 312.2 | 323.5 | 339.5 | 355.6 | 368.5 | 379.8 | 391.0 | 400.7 | 405.5 |
| 172.5° | 304.1 | 302.5 | 304.1 | 309.0 | 317.0 | 326.7 | 339.5 | 347.6 | 352.4 | 358.9 | 360.5 |
| 175° | 300.9 | 299.3 | 299.3 | 299.3 | 300.9 | 302.5 | 307.4 | 310.6 | 312.2 | 318.6 | 321.8 |
| 177.5° | 297.7 | 296.1 | 296.1 | 294.5 | 292.9 | 291.3 | 289.7 | 288.0 | 284.8 | 283.2 | 281.6 |
| 180° | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 |



TEST NUMBER: P236521

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 | 6063.5 |
| 2.5° | 6330.6 | 6362.8 | 6364.4 | 6387.0 | 6449.7 | 6457.8 | 6456.2 | 6441.7 |
| 5° | 6768.4 | 6832.7 | 6860.1 | 6908.4 | 6992.0 | 7009.7 | 7016.2 | 7001.7 |
| 7.5° | 7320.3 | 7441.0 | 7516.6 | 7595.5 | 7709.7 | 7767.7 | 7785.4 | 7774.1 |
| 10° | 7988.1 | 8178.0 | 8303.5 | 8425.8 | 8577.1 | 8623.8 | 8659.2 | 8644.7 |
| 12.5° | 8591.6 | 8762.2 | 8889.3 | 9037.3 | 9170.9 | 9216.0 | 9240.1 | 9236.9 |
| 15° | 9008.4 | 9190.2 | 9323.8 | 9460.6 | 9602.2 | 9661.7 | 9700.3 | 9700.3 |
| 17.5° | 9304.5 | 9491.1 | 9563.6 | 9700.3 | 9798.5 | 9837.1 | 9877.4 | 9882.2 |
| 20° | 9439.6 | 9573.2 | 9684.2 | 9824.2 | 9943.3 | 9980.3 | 10019.0 | 10022.2 |
| 22.5° | 9483.1 | 9624.7 | 9758.3 | 9916.0 | 10031.8 | 10062.4 | 10096.2 | 10091.4 |
| 25° | 9470.2 | 9627.9 | 9780.8 | 9940.1 | 10046.3 | 10035.1 | 10056.0 | 10019.0 |
| 27.5° | 9409.1 | 9528.2 | 9613.4 | 9660.1 | 9648.8 | 9600.6 | 9595.7 | 9592.5 |
| 30° | 9159.6 | 9219.2 | 9286.8 | 9338.3 | 9375.3 | 9381.7 | 9421.9 | 9430.0 |
| 32.5° | 8826.5 | 8890.9 | 8968.1 | 9043.8 | 9098.5 | 9119.4 | 9161.3 | 9187.0 |
| 35° | 8419.4 | 8453.2 | 8517.6 | 8549.8 | 8543.3 | 8483.8 | 8456.4 | 8454.8 |
| 37.5° | 7996.2 | 8044.5 | 8087.9 | 8083.1 | 8042.9 | 7954.3 | 7915.7 | 7898.0 |
| 40° | 7634.1 | 7696.9 | 7730.7 | 7725.8 | 7675.9 | 7585.8 | 7566.5 | 7568.1 |
| 42.5° | 7291.3 | 7347.7 | 7362.2 | 7331.6 | 7278.5 | 7215.7 | 7210.9 | 7201.2 |
| 45° | 6956.6 | 7021.0 | 7038.7 | 7014.6 | 6972.7 | 6913.2 | 6892.3 | 6890.7 |
| 47.5° | 6639.6 | 6710.4 | 6721.7 | 6697.5 | 6681.5 | 6641.2 | 6631.6 | 6620.3 |
| 50° | 6338.7 | 6422.4 | 6428.8 | 6430.4 | 6412.7 | 6377.3 | 6374.1 | 6370.9 |
| 52.5° | 6031.3 | 6105.4 | 6152.0 | 6216.4 | 6266.3 | 6269.5 | 6295.2 | 6296.9 |
| 55° | 5728.8 | 5880.1 | 6002.4 | 6111.8 | 6176.2 | 6189.0 | 6216.4 | 6219.6 |
| 57.5° | 5511.6 | 5704.7 | 5859.1 | 5978.2 | 6061.9 | 6094.1 | 6135.9 | 6140.8 |
| 60° | 5312.0 | 5526.0 | 5678.9 | 5783.5 | 5835.0 | 5862.4 | 5886.5 | 5875.2 |
| 62.5° | 5072.2 | 5247.6 | 5304.0 | 5271.8 | 5267.0 | 5270.2 | 5291.1 | 5278.2 |
| 65° | 4637.8 | 4645.8 | 4669.9 | 4774.5 | 4837.3 | 4853.4 | 4880.7 | 4879.1 |
| 67.5° | 4026.3 | 4156.6 | 4259.6 | 4383.5 | 4455.9 | 4475.2 | 4505.8 | 4502.6 |
| 70° | 3564.4 | 3707.6 | 3802.6 | 3920.0 | 3978.0 | 3997.3 | 4029.5 | 4026.3 |
| 72.5° | 3089.7 | 3200.7 | 3276.4 | 3364.9 | 3405.1 | 3424.4 | 3418.0 | 3413.1 |
| 75° | 2566.7 | 2629.5 | 2660.0 | 2705.1 | 2708.3 | 2713.1 | 2698.7 | 2690.6 |
| 77.5° | 2003.5 | 2008.3 | 2001.9 | 2008.3 | 1980.9 | 1963.2 | 1935.9 | 1918.2 |
| 80° | 1419.3 | 1364.6 | 1290.6 | 1253.6 | 1213.3 | 1197.3 | 1171.5 | 1163.5 |
| 82.5° | 935.0 | 906.0 | 856.1 | 827.1 | 796.6 | 770.8 | 751.5 | 741.8 |
| 85° | 608.3 | 593.8 | 577.7 | 568.1 | 555.2 | 543.9 | 531.0 | 524.6 |
| 87.5° | 429.7 | 420.0 | 405.5 | 397.5 | 386.2 | 376.6 | 363.7 | 358.9 |
| 90° | 280.0 | 272.0 | 259.1 | 254.3 | 246.2 | 239.8 | 230.1 | 223.7 |
| 92.5° | 214.0 | 202.8 | 194.7 | 188.3 | 180.2 | 172.2 | 164.1 | 160.9 |
| 95° | 189.9 | 180.2 | 172.2 | 164.1 | 157.7 | 148.0 | 141.6 | 138.4 |
| 97.5° | 252.6 | 239.8 | 228.5 | 223.7 | 218.9 | 206.0 | 201.2 | 197.9 |
| 100° | 386.2 | 374.9 | 368.5 | 358.9 | 347.6 | 337.9 | 333.1 | 331.5 |
| 102.5° | 717.7 | 711.3 | 682.3 | 661.4 | 621.2 | 587.4 | 576.1 | 572.9 |
| 105° | 1044.4 | 996.1 | 980.0 | 973.6 | 963.9 | 954.3 | 954.3 | 951.0 |
| 107.5° | 1456.3 | 1475.6 | 1480.5 | 1470.8 | 1419.3 | 1377.5 | 1358.2 | 1351.7 |
| 110° | 1768.5 | 1871.5 | 1950.4 | 2013.1 | 2021.2 | 2018.0 | 2019.6 | 2022.8 |



TEST NUMBER: P236521

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L840-CD4-U outer 2 blades vertical inner 2 blades

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1866.7 | 2100.0 | 2267.4 | 2384.9 | 2444.4 | 2470.1 | 2489.5 | 2497.5 |
| 115° | 1655.9 | 1834.5 | 2101.6 | 2466.9 | 2639.1 | 2735.7 | 2785.5 | 2803.3 |
| 117.5° | 2095.2 | 2080.7 | 2009.9 | 2053.4 | 2198.2 | 2293.1 | 2347.8 | 2360.7 |
| 120° | 2260.9 | 2397.7 | 2481.4 | 2499.1 | 2494.3 | 2433.1 | 2365.5 | 2344.6 |
| 122.5° | 1992.2 | 2306.0 | 2544.2 | 2695.4 | 2801.6 | 2880.5 | 2941.6 | 2961.0 |
| 125° | 1847.4 | 1992.2 | 2172.4 | 2425.1 | 2640.7 | 2785.5 | 2885.3 | 2920.7 |
| 127.5° | 1935.9 | 1961.6 | 2008.3 | 2092.0 | 2191.7 | 2254.5 | 2314.0 | 2333.4 |
| 130° | 1892.4 | 2022.8 | 2085.5 | 2100.0 | 2077.5 | 2071.1 | 2074.3 | 2072.7 |
| 132.5° | 1794.3 | 1908.5 | 2032.4 | 2119.3 | 2149.9 | 2158.0 | 2161.2 | 2161.2 |
| 135° | 1663.9 | 1786.2 | 1884.4 | 1968.1 | 2037.3 | 2064.6 | 2087.2 | 2093.6 |
| 137.5° | 1485.3 | 1636.6 | 1742.8 | 1826.5 | 1898.9 | 1926.2 | 1937.5 | 1940.7 |
| 140° | 1147.4 | 1361.4 | 1552.9 | 1663.9 | 1747.6 | 1781.4 | 1794.3 | 1797.5 |
| 142.5° | 962.3 | 1068.5 | 1181.2 | 1351.7 | 1509.4 | 1586.7 | 1633.4 | 1636.6 |
| 145° | 873.8 | 906.0 | 967.1 | 1050.8 | 1123.2 | 1171.5 | 1215.0 | 1234.3 |
| 147.5° | 775.6 | 844.8 | 872.2 | 893.1 | 923.7 | 954.3 | 981.6 | 1004.1 |
| 150° | 698.4 | 729.0 | 772.4 | 825.5 | 851.3 | 862.5 | 875.4 | 860.9 |
| 152.5° | 645.3 | 671.0 | 700.0 | 714.5 | 725.8 | 729.0 | 711.3 | 698.4 |
| 155° | 634.0 | 624.4 | 642.1 | 658.2 | 661.4 | 654.9 | 609.9 | 595.4 |
| 157.5° | 669.4 | 661.4 | 645.3 | 621.2 | 613.1 | 564.8 | 540.7 | 535.9 |
| 160° | 749.9 | 701.6 | 650.1 | 640.5 | 606.7 | 566.4 | 555.2 | 550.4 |
| 162.5° | 709.7 | 738.6 | 746.7 | 725.8 | 658.2 | 626.0 | 609.9 | 603.5 |
| 165° | 638.9 | 650.1 | 658.2 | 663.0 | 656.6 | 638.9 | 632.4 | 630.8 |
| 167.5° | 526.2 | 555.2 | 569.7 | 576.1 | 585.8 | 576.1 | 552.0 | 547.1 |
| 170° | 412.0 | 434.5 | 445.8 | 455.4 | 481.2 | 481.2 | 461.8 | 447.4 |
| 172.5° | 362.1 | 365.3 | 370.1 | 376.6 | 389.4 | 395.9 | 395.9 | 391.0 |
| 175° | 320.2 | 318.6 | 318.6 | 323.5 | 333.1 | 342.8 | 350.8 | 358.9 |
| 177.5° | 276.8 | 273.6 | 268.7 | 270.3 | 276.8 | 286.4 | 297.7 | 299.3 |
| 180° | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 | 278.4 |

(END OF REPORT)