

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: P236496

Luminaire Tested: **SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24060)
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-L835-CD4-U inner 2 blades tilted out 20 degrees
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE
4 BLADES WITH NARROW DISTRIBUTION LENS, INNER 2 BLADES TILTED OUT 20
DEGREES
Light Source: (952) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

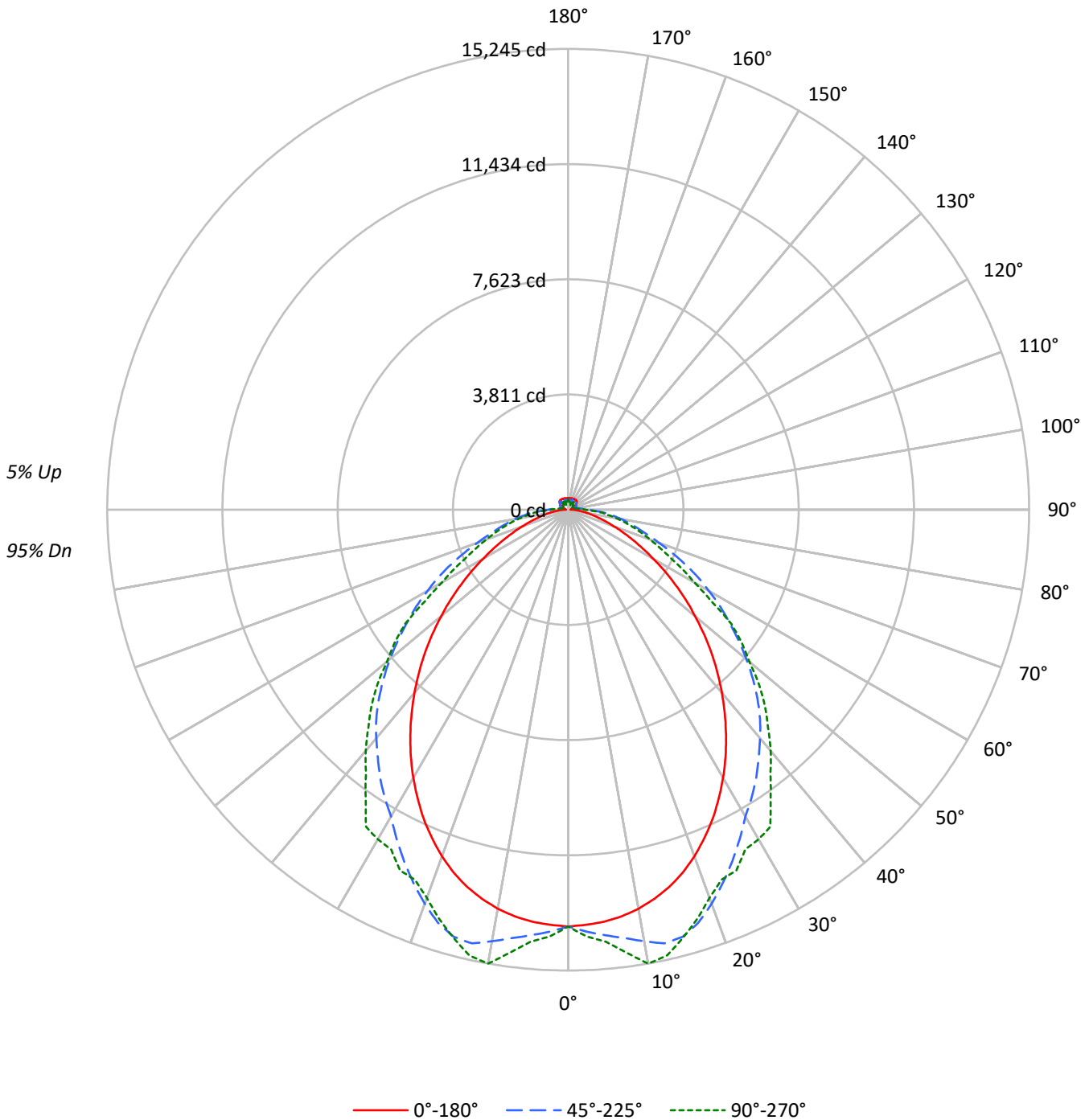
Lumens per Lamp: N/A
Luminaire Lumens: 38953.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.34 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 1.88' x L: 4' x H: 0.21')
CIE Type: Direct

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: P236496

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees

Luminous Intensity Polar Plot





TEST NUMBER: P236496

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees

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 | 118 | 118 | 118 | 118 | 114 | 114 | 114 | 114 | 108 | 108 | 108 | 103 | 103 | 103 | 97 | 97 | 97 | 95 |
| 1 | 108 | 103 | 98 | 95 | 104 | 100 | 96 | 93 | 95 | 92 | 89 | 90 | 87 | 85 | 86 | 84 | 82 | 79 |
| 2 | 98 | 90 | 83 | 78 | 95 | 88 | 82 | 76 | 83 | 78 | 74 | 79 | 75 | 71 | 76 | 72 | 69 | 67 |
| 3 | 90 | 80 | 72 | 65 | 87 | 78 | 70 | 64 | 74 | 68 | 63 | 70 | 65 | 61 | 67 | 63 | 59 | 57 |
| 4 | 82 | 71 | 62 | 56 | 80 | 69 | 61 | 55 | 66 | 59 | 54 | 63 | 57 | 52 | 60 | 55 | 51 | 49 |
| 5 | 76 | 64 | 55 | 48 | 74 | 62 | 54 | 48 | 59 | 52 | 47 | 57 | 51 | 46 | 55 | 49 | 45 | 43 |
| 6 | 70 | 57 | 49 | 42 | 68 | 56 | 48 | 42 | 54 | 47 | 41 | 52 | 45 | 41 | 50 | 44 | 40 | 38 |
| 7 | 65 | 52 | 44 | 38 | 63 | 51 | 43 | 37 | 49 | 42 | 37 | 47 | 41 | 36 | 46 | 40 | 36 | 33 |
| 8 | 61 | 48 | 39 | 34 | 59 | 47 | 39 | 33 | 45 | 38 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 30 |
| 9 | 57 | 44 | 36 | 30 | 55 | 43 | 35 | 30 | 42 | 35 | 30 | 40 | 34 | 29 | 39 | 33 | 29 | 27 |
| 10 | 53 | 41 | 33 | 28 | 52 | 40 | 32 | 27 | 39 | 32 | 27 | 37 | 31 | 27 | 36 | 30 | 26 | 25 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 19788 | 19788 | 19788 |
| 5° | 19617 | 20155 | 20469 |
| 10° | 19354 | 20706 | 21790 |
| 15° | 18925 | 21081 | 21157 |
| 20° | 18287 | 20327 | 20058 |
| 25° | 17467 | 19286 | 19820 |
| 30° | 16481 | 18201 | 19604 |
| 35° | 15380 | 17573 | 18973 |
| 40° | 14194 | 16865 | 17858 |
| 45° | 12923 | 16111 | 16811 |
| 50° | 11509 | 15100 | 15417 |
| 55° | 10086 | 13980 | 14207 |
| 60° | 8561 | 12859 | 11625 |
| 65° | 7195 | 11605 | 10151 |
| 70° | 5919 | 10144 | 9262 |
| 75° | 4834 | 9234 | 8652 |
| 80° | 4057 | 8883 | 8175 |
| 85° | 3403 | 8761 | 8137 |



TEST NUMBER: P236496

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1357.2 | 3.5 |
| 10°-20° | 3989.4 | 10.2 |
| 20°-30° | 5818.2 | 14.9 |
| 30°-40° | 6716.9 | 17.2 |
| 40°-50° | 6503.6 | 16.7 |
| 50°-60° | 5351.2 | 13.7 |
| 60°-70° | 3699.1 | 9.5 |
| 70°-80° | 2302.6 | 5.9 |
| 80°-90° | 1192.9 | 3.1 |
| 90°-100° | 448.6 | 1.2 |
| 100°-110° | 280.5 | 0.7 |
| 110°-120° | 285.9 | 0.7 |
| 120°-130° | 286.6 | 0.7 |
| 130°-140° | 259.3 | 0.7 |
| 140°-150° | 201.6 | 0.5 |
| 150°-160° | 141.9 | 0.4 |
| 160°-170° | 88.3 | 0.2 |
| 170°-180° | 29.2 | 0.1 |
| 0°-30° | 11164.8 | 28.7 |
| 0°-40° | 17881.7 | 45.9 |
| 0°-60° | 29736.5 | 76.3 |
| 0°-90° | 36931.1 | 94.8 |
| 90°-120° | 1015.0 | 2.6 |
| 90°-150° | 1762.5 | 4.5 |
| 90°-180° | 2022.0 | 5.2 |
| 0°-180° | 38953.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-------|-------|-------|-------|-------|------|
| 0° | 13788 | 13788 | 13788 | 13788 | 13788 | |
| 5° | 13679 | 13976 | 14131 | 14280 | 14346 | ### |
| 15° | 12915 | 13719 | 14627 | 14671 | 14663 | 3632 |
| 25° | 11298 | 12566 | 12835 | 12928 | 13164 | 5187 |
| 35° | 9099 | 10245 | 10840 | 11544 | 11672 | 5682 |
| 45° | 6699 | 7631 | 8854 | 9267 | 9203 | 5160 |
| 55° | 4331 | 5359 | 6508 | 6620 | 6579 | 3881 |
| 65° | 2356 | 3534 | 4263 | 3976 | 3701 | 2353 |
| 75° | 1041 | 2225 | 2382 | 2362 | 2207 | 1134 |
| 85° | 330 | 1229 | 1234 | 1206 | 1122 | 333 |
| 90° | 101 | 715 | 650 | 620 | 570 | 67 |
| 95° | 92 | 465 | 434 | 414 | 379 | 75 |
| 105° | 136 | 396 | 244 | 186 | 156 | 148 |
| 115° | 232 | 466 | 292 | 190 | 155 | 231 |
| 125° | 331 | 445 | 311 | 237 | 199 | 295 |
| 135° | 398 | 409 | 309 | 267 | 224 | 306 |
| 145° | 407 | 413 | 290 | 243 | 226 | 256 |
| 155° | 398 | 311 | 334 | 238 | 172 | 185 |
| 165° | 393 | 280 | 300 | 333 | 304 | 111 |
| 175° | 383 | 361 | 298 | 256 | 264 | 37 |
| 180° | 353 | 353 | 353 | 353 | 353 | |



TEST NUMBER: P236496

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 |
| 2.5° | 13743.3 | 13751.2 | 13808.0 | 13830.1 | 13861.6 | 13858.5 | 13894.8 | 13950.0 | 13929.5 | 13975.2 | 13980.0 |
| 5° | 13678.6 | 13699.1 | 13784.3 | 13853.8 | 13950.0 | 14002.1 | 14060.4 | 14114.1 | 14090.4 | 14131.4 | 14151.9 |
| 7.5° | 13566.6 | 13607.6 | 13733.8 | 13858.5 | 13967.3 | 14000.5 | 14069.9 | 14167.7 | 14194.5 | 14290.8 | 14357.0 |
| 10° | 13402.5 | 13460.9 | 13634.5 | 13771.7 | 13877.4 | 13959.5 | 14101.4 | 14245.0 | 14334.9 | 14497.5 | 14623.7 |
| 12.5° | 13180.1 | 13255.8 | 13478.3 | 13602.9 | 13770.1 | 13912.1 | 14109.3 | 14317.6 | 14486.4 | 14694.7 | 14817.7 |
| 15° | 12915.0 | 13008.1 | 13246.3 | 13397.8 | 13629.7 | 13808.0 | 14074.6 | 14327.1 | 14480.1 | 14626.8 | 14682.0 |
| 17.5° | 12593.2 | 12717.8 | 12962.4 | 13161.1 | 13416.7 | 13643.9 | 13942.1 | 14155.1 | 14276.6 | 14323.9 | 14300.2 |
| 20° | 12200.3 | 12367.6 | 12615.3 | 12847.2 | 13140.6 | 13408.8 | 13700.7 | 13853.8 | 13874.3 | 13868.0 | 13853.8 |
| 22.5° | 11763.3 | 11968.4 | 12219.3 | 12484.3 | 12817.2 | 13094.9 | 13358.4 | 13391.5 | 13388.3 | 13367.8 | 13355.2 |
| 25° | 11297.9 | 11510.9 | 11772.8 | 12066.2 | 12440.1 | 12692.6 | 12863.0 | 12867.7 | 12864.5 | 12834.6 | 12803.0 |
| 27.5° | 10775.7 | 11010.7 | 11297.9 | 11605.5 | 11985.8 | 12178.2 | 12295.0 | 12307.6 | 12302.9 | 12280.8 | 12265.0 |
| 30° | 10244.0 | 10482.2 | 10752.0 | 11102.2 | 11452.5 | 11569.2 | 11695.5 | 11711.2 | 11698.6 | 11714.4 | 11894.3 |
| 32.5° | 9682.3 | 9915.8 | 10198.2 | 10554.8 | 10849.8 | 10935.0 | 11069.1 | 11069.1 | 11078.6 | 11291.6 | 11484.1 |
| 35° | 9098.6 | 9328.9 | 9608.2 | 9958.4 | 10190.3 | 10299.2 | 10420.7 | 10404.9 | 10624.2 | 10840.4 | 11015.5 |
| 37.5° | 8508.5 | 8726.2 | 8996.0 | 9333.7 | 9519.8 | 9655.5 | 9737.5 | 9889.0 | 10135.1 | 10341.8 | 10572.1 |
| 40° | 7907.4 | 8101.5 | 8368.1 | 8678.9 | 8854.0 | 8999.2 | 9103.3 | 9379.4 | 9611.3 | 9873.2 | 10108.3 |
| 42.5° | 7306.3 | 7486.2 | 7729.1 | 8010.0 | 8199.3 | 8327.1 | 8573.2 | 8836.7 | 9119.1 | 9393.6 | 9587.7 |
| 45° | 6698.9 | 6855.1 | 7088.6 | 7350.5 | 7552.4 | 7710.2 | 8027.3 | 8308.1 | 8619.0 | 8854.0 | 9037.0 |
| 47.5° | 6086.8 | 6239.8 | 6446.5 | 6721.0 | 6913.5 | 7167.5 | 7467.2 | 7787.5 | 8074.6 | 8282.9 | 8470.7 |
| 50° | 5474.6 | 5607.1 | 5818.5 | 6097.8 | 6301.3 | 6605.8 | 6916.6 | 7249.5 | 7497.2 | 7692.8 | 7849.0 |
| 52.5° | 4908.2 | 5021.8 | 5214.3 | 5495.1 | 5738.1 | 6039.4 | 6381.8 | 6681.5 | 6915.0 | 7093.3 | 7260.6 |
| 55° | 4330.8 | 4428.6 | 4641.6 | 4903.5 | 5212.7 | 5504.6 | 5856.4 | 6124.6 | 6336.0 | 6508.0 | 6662.6 |
| 57.5° | 3788.0 | 3895.3 | 4103.6 | 4356.0 | 4700.0 | 5009.2 | 5337.3 | 5586.6 | 5780.7 | 5957.4 | 6050.5 |
| 60° | 3251.6 | 3382.6 | 3605.0 | 3871.7 | 4218.8 | 4537.5 | 4838.8 | 5070.7 | 5255.3 | 5375.2 | 5452.5 |
| 62.5° | 2773.6 | 2906.1 | 3138.0 | 3436.2 | 3783.3 | 4094.1 | 4370.2 | 4572.2 | 4714.2 | 4842.0 | 4886.1 |
| 65° | 2355.5 | 2475.4 | 2712.1 | 3046.5 | 3385.7 | 3682.3 | 3934.8 | 4081.5 | 4199.8 | 4262.9 | 4248.7 |
| 67.5° | 1961.1 | 2092.0 | 2335.0 | 2699.4 | 3030.8 | 3308.4 | 3502.5 | 3624.0 | 3693.4 | 3706.0 | 3666.6 |
| 70° | 1612.4 | 1752.8 | 2011.6 | 2387.1 | 2715.2 | 2953.4 | 3101.8 | 3169.6 | 3180.6 | 3183.8 | 3171.2 |
| 72.5° | 1309.5 | 1456.2 | 1741.8 | 2114.1 | 2431.2 | 2607.9 | 2718.4 | 2732.6 | 2754.7 | 2745.2 | 2764.1 |
| 75° | 1041.3 | 1200.6 | 1514.6 | 1882.2 | 2152.0 | 2298.7 | 2346.0 | 2349.2 | 2357.1 | 2382.3 | 2409.1 |
| 77.5° | 828.3 | 976.6 | 1317.4 | 1670.8 | 1905.9 | 2003.7 | 2016.3 | 2032.1 | 2049.4 | 2068.4 | 2095.2 |
| 80° | 635.8 | 793.6 | 1148.6 | 1459.4 | 1651.8 | 1727.6 | 1746.5 | 1759.1 | 1767.0 | 1778.1 | 1795.4 |
| 82.5° | 470.2 | 645.3 | 981.3 | 1254.3 | 1416.8 | 1497.2 | 1498.8 | 1503.5 | 1511.4 | 1489.3 | 1495.7 |
| 85° | 329.7 | 522.2 | 822.0 | 1055.5 | 1200.6 | 1257.4 | 1246.4 | 1248.0 | 1249.5 | 1233.8 | 1238.5 |
| 87.5° | 214.6 | 411.8 | 665.8 | 853.5 | 967.1 | 1006.6 | 982.9 | 968.7 | 945.0 | 880.4 | 859.8 |
| 90° | 101.0 | 296.6 | 487.5 | 631.1 | 703.7 | 725.7 | 700.5 | 681.6 | 672.1 | 650.0 | 642.1 |
| 92.5° | 75.7 | 208.3 | 361.3 | 482.8 | 560.1 | 586.9 | 572.7 | 556.9 | 544.3 | 531.7 | 528.5 |
| 95° | 91.5 | 165.7 | 276.1 | 370.8 | 448.1 | 482.8 | 478.0 | 463.8 | 454.4 | 433.9 | 424.4 |
| 97.5° | 94.7 | 176.7 | 268.2 | 325.0 | 372.3 | 407.0 | 402.3 | 385.0 | 369.2 | 348.7 | 336.0 |
| 100° | 105.7 | 213.0 | 299.8 | 339.2 | 359.7 | 358.1 | 353.4 | 337.6 | 317.1 | 291.9 | 276.1 |
| 102.5° | 121.5 | 241.4 | 343.9 | 375.5 | 380.2 | 367.6 | 332.9 | 309.2 | 285.6 | 261.9 | 241.4 |
| 105° | 135.7 | 250.9 | 391.3 | 408.6 | 410.2 | 381.8 | 350.2 | 309.2 | 271.4 | 244.5 | 222.5 |
| 107.5° | 156.2 | 257.2 | 407.0 | 444.9 | 432.3 | 408.6 | 359.7 | 320.3 | 287.1 | 249.3 | 217.7 |
| 110° | 189.3 | 271.4 | 414.9 | 465.4 | 454.4 | 421.2 | 389.7 | 334.5 | 288.7 | 265.1 | 235.1 |



TEST NUMBER: P236496

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 209.8 | 269.8 | 414.9 | 476.5 | 487.5 | 427.6 | 400.7 | 364.4 | 309.2 | 263.5 | 238.2 |
| 115° | 231.9 | 272.9 | 403.9 | 465.4 | 485.9 | 446.5 | 397.6 | 373.9 | 334.5 | 291.9 | 246.1 |
| 117.5° | 255.6 | 276.1 | 400.7 | 452.8 | 476.5 | 500.1 | 405.5 | 369.2 | 340.8 | 312.4 | 276.1 |
| 120° | 280.8 | 276.1 | 408.6 | 456.0 | 482.8 | 465.4 | 432.3 | 370.8 | 337.6 | 314.0 | 290.3 |
| 122.5° | 307.7 | 277.7 | 427.6 | 468.6 | 465.4 | 441.8 | 479.6 | 389.7 | 337.6 | 310.8 | 290.3 |
| 125° | 331.3 | 288.7 | 427.6 | 456.0 | 430.7 | 459.1 | 413.4 | 449.6 | 353.4 | 310.8 | 288.7 |
| 127.5° | 353.4 | 301.3 | 421.2 | 451.2 | 429.1 | 448.1 | 400.7 | 432.3 | 391.3 | 325.0 | 290.3 |
| 130° | 373.9 | 315.5 | 410.2 | 462.3 | 448.1 | 402.3 | 432.3 | 366.0 | 419.7 | 364.4 | 304.5 |
| 132.5° | 388.1 | 321.9 | 392.8 | 487.5 | 440.2 | 377.1 | 422.8 | 372.3 | 334.5 | 399.2 | 351.8 |
| 135° | 397.6 | 323.4 | 367.6 | 476.5 | 432.3 | 385.0 | 364.4 | 408.6 | 328.2 | 309.2 | 381.8 |
| 137.5° | 405.5 | 325.0 | 337.6 | 451.2 | 440.2 | 389.7 | 332.9 | 388.1 | 378.6 | 296.6 | 284.0 |
| 140° | 408.6 | 325.0 | 317.1 | 422.8 | 462.3 | 392.8 | 339.2 | 317.1 | 372.3 | 348.7 | 274.5 |
| 142.5° | 408.6 | 326.6 | 306.1 | 389.7 | 440.2 | 392.8 | 351.8 | 301.3 | 307.7 | 351.8 | 336.0 |
| 145° | 407.0 | 332.9 | 304.5 | 353.4 | 410.2 | 414.9 | 358.1 | 315.5 | 277.7 | 290.3 | 336.0 |
| 147.5° | 405.5 | 342.4 | 302.9 | 310.8 | 380.2 | 408.6 | 367.6 | 337.6 | 295.0 | 263.5 | 271.4 |
| 150° | 403.9 | 351.8 | 301.3 | 290.3 | 350.2 | 385.0 | 396.0 | 347.1 | 321.9 | 284.0 | 254.0 |
| 152.5° | 400.7 | 359.7 | 301.3 | 288.7 | 321.9 | 359.7 | 380.2 | 380.2 | 337.6 | 317.1 | 280.8 |
| 155° | 397.6 | 367.6 | 299.8 | 293.5 | 288.7 | 332.9 | 356.6 | 375.5 | 370.8 | 334.5 | 318.7 |
| 157.5° | 397.6 | 375.5 | 301.3 | 293.5 | 277.7 | 301.3 | 332.9 | 351.8 | 367.6 | 370.8 | 339.2 |
| 160° | 396.0 | 380.2 | 314.0 | 290.3 | 282.4 | 272.9 | 304.5 | 326.6 | 342.4 | 356.6 | 366.0 |
| 162.5° | 394.4 | 383.4 | 329.7 | 291.9 | 284.0 | 271.4 | 269.8 | 298.2 | 315.5 | 328.2 | 339.2 |
| 165° | 392.8 | 385.0 | 350.2 | 301.3 | 284.0 | 276.1 | 268.2 | 263.5 | 277.7 | 299.8 | 310.8 |
| 167.5° | 389.7 | 385.0 | 362.9 | 323.4 | 293.5 | 277.7 | 271.4 | 265.1 | 255.6 | 257.2 | 266.6 |
| 170° | 386.5 | 385.0 | 372.3 | 351.8 | 318.7 | 291.9 | 276.1 | 269.8 | 263.5 | 257.2 | 247.7 |
| 172.5° | 385.0 | 383.4 | 377.1 | 367.6 | 351.8 | 325.0 | 306.1 | 285.6 | 268.2 | 263.5 | 257.2 |
| 175° | 383.4 | 381.8 | 378.6 | 375.5 | 366.0 | 356.6 | 347.1 | 331.3 | 312.4 | 298.2 | 285.6 |
| 177.5° | 381.8 | 380.2 | 378.6 | 378.6 | 375.5 | 369.2 | 366.0 | 358.1 | 348.7 | 342.4 | 332.9 |
| 180° | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 |



TEST NUMBER: P236496

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 | 13787.5 |
| 2.5° | 14005.2 | 14052.5 | 14104.6 | 14063.6 | 14103.0 | 14133.0 | 14125.1 | 14134.6 |
| 5° | 14172.4 | 14237.1 | 14292.4 | 14267.1 | 14308.1 | 14336.5 | 14327.1 | 14346.0 |
| 7.5° | 14435.9 | 14533.7 | 14631.6 | 14647.3 | 14719.9 | 14781.4 | 14778.3 | 14781.4 |
| 10° | 14776.7 | 14923.4 | 15056.0 | 15090.7 | 15180.6 | 15232.7 | 15229.5 | 15245.3 |
| 12.5° | 14923.4 | 15032.3 | 15085.9 | 15068.6 | 15119.1 | 15125.4 | 15092.2 | 15103.3 |
| 15° | 14688.4 | 14721.5 | 14696.2 | 14645.8 | 14683.6 | 14669.4 | 14644.2 | 14663.1 |
| 17.5° | 14270.3 | 14279.7 | 14229.2 | 14172.4 | 14204.0 | 14204.0 | 14169.3 | 14189.8 |
| 20° | 13798.5 | 13798.5 | 13744.9 | 13708.6 | 13713.3 | 13699.1 | 13651.8 | 13664.4 |
| 22.5° | 13301.6 | 13268.4 | 13225.8 | 13183.2 | 13217.9 | 13224.3 | 13222.7 | 13246.3 |
| 25° | 12755.7 | 12760.4 | 12875.6 | 12981.3 | 13085.4 | 13118.5 | 13107.5 | 13164.3 |
| 27.5° | 12391.2 | 12517.4 | 12613.7 | 12624.7 | 12657.9 | 12645.2 | 12632.6 | 12672.1 |
| 30° | 12041.0 | 12137.2 | 12227.1 | 12290.3 | 12397.5 | 12478.0 | 12538.0 | 12588.4 |
| 32.5° | 11626.0 | 11761.7 | 11936.9 | 12064.6 | 12212.9 | 12309.2 | 12367.6 | 12437.0 |
| 35° | 11182.7 | 11346.8 | 11518.8 | 11569.2 | 11632.4 | 11637.1 | 11616.6 | 11671.8 |
| 37.5° | 10748.8 | 10889.3 | 10979.2 | 11002.9 | 11017.1 | 10990.2 | 10949.2 | 10988.7 |
| 40° | 10264.5 | 10387.6 | 10477.5 | 10460.1 | 10452.2 | 10406.5 | 10374.9 | 10420.7 |
| 42.5° | 9759.6 | 9841.7 | 9876.4 | 9824.3 | 9789.6 | 9762.8 | 9754.9 | 9784.9 |
| 45° | 9193.2 | 9248.5 | 9284.7 | 9248.5 | 9226.4 | 9201.1 | 9182.2 | 9202.7 |
| 47.5° | 8577.9 | 8639.5 | 8666.3 | 8636.3 | 8615.8 | 8577.9 | 8540.1 | 8562.2 |
| 50° | 7976.8 | 8025.7 | 8033.6 | 8005.2 | 7924.8 | 7850.6 | 7790.7 | 7819.1 |
| 52.5° | 7364.7 | 7361.5 | 7333.1 | 7285.8 | 7236.9 | 7213.2 | 7210.1 | 7232.2 |
| 55° | 6725.7 | 6686.3 | 6646.8 | 6593.2 | 6556.9 | 6539.6 | 6553.8 | 6579.0 |
| 57.5° | 6077.3 | 6037.8 | 5995.2 | 5884.8 | 5774.4 | 5670.2 | 5602.4 | 5586.6 |
| 60° | 5480.9 | 5384.7 | 5274.2 | 5138.6 | 5025.0 | 4917.7 | 4827.8 | 4829.3 |
| 62.5° | 4807.2 | 4693.6 | 4600.6 | 4493.3 | 4382.8 | 4296.1 | 4248.7 | 4242.4 |
| 65° | 4176.2 | 4087.8 | 4023.1 | 3928.5 | 3832.2 | 3758.1 | 3713.9 | 3701.3 |
| 67.5° | 3622.4 | 3570.3 | 3537.2 | 3474.1 | 3382.6 | 3316.3 | 3278.5 | 3269.0 |
| 70° | 3168.0 | 3125.4 | 3100.2 | 3045.0 | 2969.2 | 2917.2 | 2887.2 | 2880.9 |
| 72.5° | 2770.4 | 2745.2 | 2735.7 | 2682.1 | 2626.9 | 2570.1 | 2540.1 | 2532.2 |
| 75° | 2429.7 | 2401.3 | 2380.7 | 2342.9 | 2287.7 | 2245.1 | 2223.0 | 2207.2 |
| 77.5° | 2101.5 | 2076.2 | 2062.0 | 2030.5 | 1987.9 | 1948.5 | 1923.2 | 1907.4 |
| 80° | 1797.0 | 1770.2 | 1757.6 | 1727.6 | 1685.0 | 1644.0 | 1628.2 | 1612.4 |
| 82.5° | 1490.9 | 1467.3 | 1457.8 | 1435.7 | 1404.1 | 1374.2 | 1353.7 | 1339.5 |
| 85° | 1238.5 | 1218.0 | 1213.2 | 1199.0 | 1172.2 | 1150.1 | 1132.8 | 1121.7 |
| 87.5° | 844.1 | 836.2 | 834.6 | 822.0 | 803.0 | 784.1 | 768.3 | 758.9 |
| 90° | 637.4 | 623.2 | 623.2 | 616.9 | 602.7 | 588.5 | 577.4 | 569.5 |
| 92.5° | 527.0 | 522.2 | 522.2 | 512.8 | 500.1 | 487.5 | 474.9 | 467.0 |
| 95° | 418.1 | 413.4 | 416.5 | 411.8 | 402.3 | 394.4 | 385.0 | 378.6 |
| 97.5° | 328.2 | 323.4 | 328.2 | 325.0 | 317.1 | 309.2 | 301.3 | 293.5 |
| 100° | 265.1 | 258.7 | 258.7 | 254.0 | 247.7 | 238.2 | 231.9 | 225.6 |
| 102.5° | 227.2 | 217.7 | 213.0 | 208.3 | 200.4 | 192.5 | 186.2 | 179.9 |
| 105° | 205.1 | 195.6 | 189.3 | 183.0 | 175.1 | 168.8 | 162.5 | 156.2 |
| 107.5° | 195.6 | 183.0 | 175.1 | 168.8 | 160.9 | 154.6 | 146.7 | 142.0 |
| 110° | 203.5 | 184.6 | 172.0 | 164.1 | 154.6 | 148.3 | 140.4 | 135.7 |



TEST NUMBER: P236496

CATALOG NUMBER: SKB4-LD5-36-N-UNV-L835-CD4-U inner 2 blades tilted out 20 degrees

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 219.3 | 201.9 | 183.0 | 168.8 | 160.9 | 153.0 | 145.1 | 140.4 |
| 115° | 213.0 | 198.8 | 195.6 | 184.6 | 178.3 | 168.8 | 159.3 | 154.6 |
| 117.5° | 236.7 | 205.1 | 186.2 | 175.1 | 170.4 | 167.2 | 162.5 | 157.8 |
| 120° | 260.3 | 233.5 | 209.8 | 194.1 | 179.9 | 168.8 | 159.3 | 153.0 |
| 122.5° | 269.8 | 247.7 | 230.3 | 217.7 | 208.3 | 197.2 | 186.2 | 179.9 |
| 125° | 269.8 | 252.4 | 241.4 | 231.9 | 222.5 | 214.6 | 205.1 | 198.8 |
| 127.5° | 272.9 | 258.7 | 247.7 | 236.7 | 228.8 | 220.9 | 213.0 | 208.3 |
| 130° | 276.1 | 263.5 | 254.0 | 246.1 | 236.7 | 227.2 | 219.3 | 213.0 |
| 132.5° | 293.5 | 271.4 | 258.7 | 250.9 | 244.5 | 235.1 | 227.2 | 220.9 |
| 135° | 362.9 | 296.6 | 274.5 | 260.3 | 249.3 | 239.8 | 230.3 | 224.0 |
| 137.5° | 361.3 | 373.9 | 336.0 | 285.6 | 266.6 | 254.0 | 243.0 | 236.7 |
| 140° | 261.9 | 321.9 | 358.1 | 362.9 | 351.8 | 321.9 | 301.3 | 287.1 |
| 142.5° | 261.9 | 252.4 | 250.9 | 299.8 | 339.2 | 343.9 | 340.8 | 337.6 |
| 145° | 332.9 | 290.3 | 246.1 | 239.8 | 235.1 | 231.9 | 231.9 | 225.6 |
| 147.5° | 318.7 | 328.2 | 326.6 | 291.9 | 261.9 | 233.5 | 227.2 | 225.6 |
| 150° | 250.9 | 279.3 | 317.1 | 328.2 | 328.2 | 323.4 | 318.7 | 318.7 |
| 152.5° | 247.7 | 238.2 | 244.5 | 258.7 | 280.8 | 288.7 | 296.6 | 284.0 |
| 155° | 288.7 | 263.5 | 244.5 | 231.9 | 222.5 | 216.1 | 190.9 | 172.0 |
| 157.5° | 321.9 | 309.2 | 291.9 | 276.1 | 258.7 | 228.8 | 203.5 | 197.2 |
| 160° | 358.1 | 337.6 | 323.4 | 314.0 | 298.2 | 271.4 | 260.3 | 255.6 |
| 162.5° | 348.7 | 356.6 | 353.4 | 343.9 | 310.8 | 295.0 | 285.6 | 279.3 |
| 165° | 320.3 | 328.2 | 332.9 | 332.9 | 329.7 | 318.7 | 310.8 | 304.5 |
| 167.5° | 287.1 | 299.8 | 309.2 | 312.4 | 321.9 | 318.7 | 306.1 | 299.8 |
| 170° | 244.5 | 249.3 | 258.7 | 271.4 | 280.8 | 295.0 | 291.9 | 285.6 |
| 172.5° | 250.9 | 247.7 | 250.9 | 254.0 | 257.2 | 265.1 | 265.1 | 261.9 |
| 175° | 274.5 | 265.1 | 258.7 | 254.0 | 255.6 | 263.5 | 269.8 | 263.5 |
| 177.5° | 323.4 | 315.5 | 304.5 | 298.2 | 299.8 | 302.9 | 310.8 | 288.7 |
| 180° | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 | 353.4 |

(END OF REPORT)