

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: P236403

Luminaire Tested: **SKB4-LD5-18-W-UNV-L835-CD2-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-365-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SKB4-LD5-18-W-UNV-L835-CD2-U
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE
4 BLADES WITH WIDE DISTRIBUTION LENS, ALL BLADES VERTICAL
Light Source: (952) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

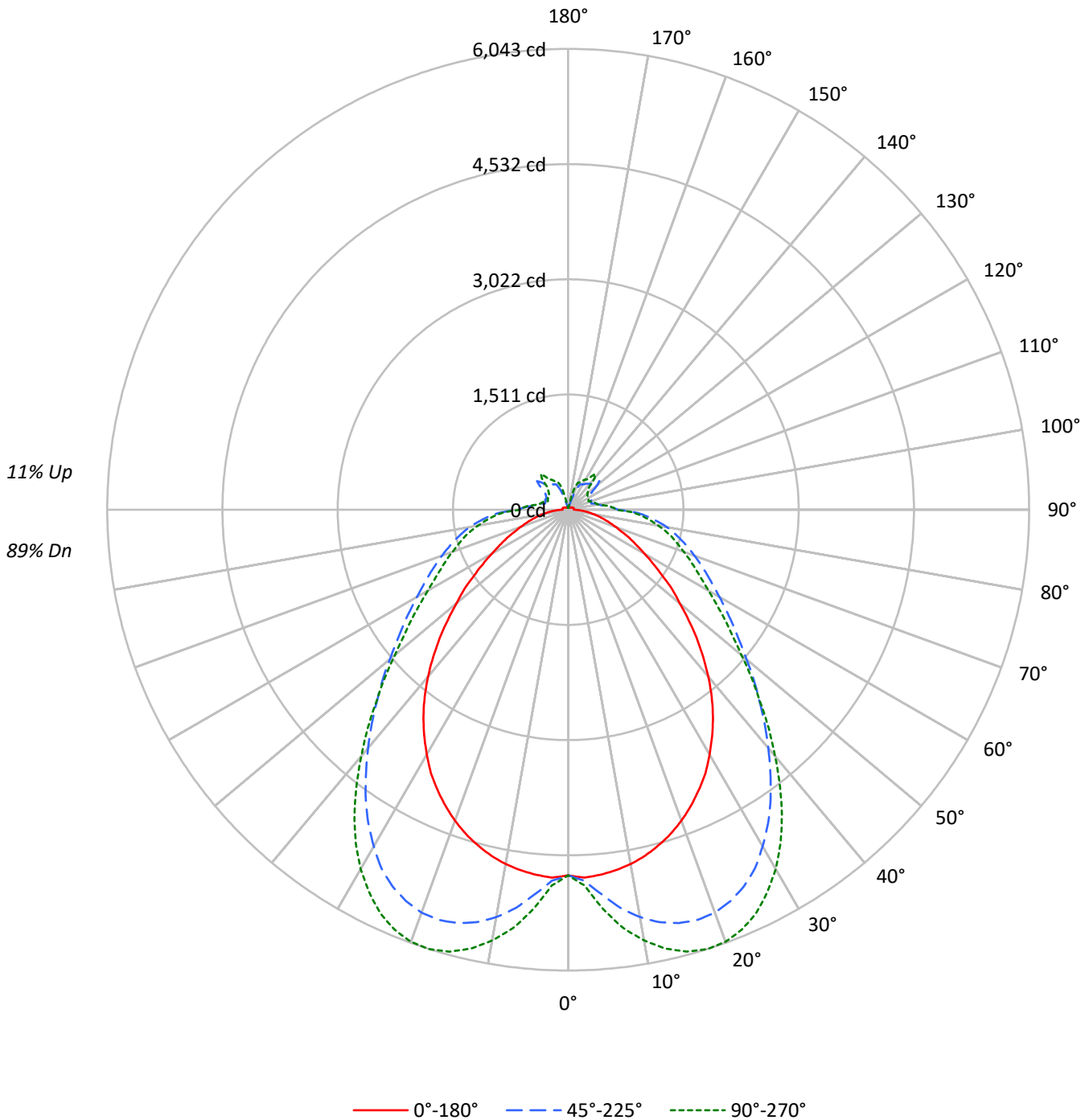
Lumens per Lamp: N/A
Luminaire Lumens: 18054.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.49 / 1.44
Luminous Opening: Rectangular w/ Sides (W: 1.88' x L: 4' x H: 0.21')
CIE Type: Semi-Direct

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: P236403

CATALOG NUMBER: SKB4-LD5-18-W-UNV-L835-CD2-U

Luminous Intensity Polar Plot





TEST NUMBER: P236403

CATALOG NUMBER: SKB4-LD5-18-W-UNV-L835-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 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 92 | 92 | 92 | 89 |
| 1 | 105 | 99 | 95 | 90 | 101 | 96 | 92 | 88 | 90 | 86 | 83 | 84 | 81 | 78 | 78 | 76 | 74 | 71 |
| 2 | 95 | 86 | 79 | 73 | 91 | 83 | 77 | 71 | 78 | 73 | 68 | 73 | 69 | 65 | 68 | 65 | 62 | 59 |
| 3 | 87 | 76 | 67 | 61 | 83 | 73 | 66 | 60 | 69 | 62 | 57 | 65 | 59 | 55 | 61 | 56 | 52 | 50 |
| 4 | 79 | 67 | 58 | 52 | 76 | 65 | 57 | 51 | 61 | 54 | 49 | 58 | 52 | 47 | 54 | 49 | 45 | 43 |
| 5 | 73 | 60 | 51 | 45 | 70 | 58 | 50 | 44 | 55 | 48 | 42 | 52 | 46 | 41 | 49 | 44 | 39 | 37 |
| 6 | 68 | 54 | 45 | 39 | 65 | 53 | 44 | 38 | 50 | 43 | 37 | 47 | 41 | 36 | 44 | 39 | 35 | 32 |
| 7 | 63 | 49 | 41 | 34 | 60 | 48 | 40 | 34 | 45 | 38 | 33 | 43 | 37 | 32 | 41 | 35 | 31 | 29 |
| 8 | 58 | 45 | 37 | 31 | 56 | 44 | 36 | 30 | 42 | 35 | 29 | 39 | 33 | 29 | 37 | 32 | 28 | 26 |
| 9 | 55 | 41 | 33 | 28 | 53 | 40 | 33 | 27 | 38 | 31 | 27 | 36 | 30 | 26 | 35 | 29 | 25 | 23 |
| 10 | 51 | 38 | 30 | 25 | 49 | 37 | 30 | 25 | 35 | 29 | 24 | 34 | 28 | 24 | 32 | 27 | 23 | 21 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 6881 | 6881 | 6881 |
| 5° | 6892 | 7224 | 7499 |
| 10° | 6813 | 7748 | 8198 |
| 15° | 6682 | 8089 | 8656 |
| 20° | 6505 | 8240 | 8852 |
| 25° | 6268 | 8190 | 8786 |
| 30° | 5962 | 7919 | 8472 |
| 35° | 5593 | 7501 | 7940 |
| 40° | 5129 | 6970 | 7230 |
| 45° | 4596 | 6448 | 6489 |
| 50° | 4009 | 5989 | 5842 |
| 55° | 3507 | 5667 | 5405 |
| 60° | 3040 | 5476 | 5114 |
| 65° | 2718 | 5460 | 5048 |
| 70° | 2442 | 5615 | 5188 |
| 75° | 2279 | 5956 | 5548 |
| 80° | 2157 | 6564 | 6081 |
| 85° | 2093 | 7436 | 7079 |



TEST NUMBER: P236403

CATALOG NUMBER: SKB4-LD5-18-W-UNV-L835-CD2-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 490.3 | 2.7 |
| 10°-20° | 1543.2 | 8.5 |
| 20°-30° | 2408.8 | 13.3 |
| 30°-40° | 2759.7 | 15.3 |
| 40°-50° | 2565.8 | 14.2 |
| 50°-60° | 2139.6 | 11.9 |
| 60°-70° | 1744.1 | 9.7 |
| 70°-80° | 1396.8 | 7.7 |
| 80°-90° | 959.5 | 5.3 |
| 90°-100° | 478.8 | 2.7 |
| 100°-110° | 323.8 | 1.8 |
| 110°-120° | 290.8 | 1.6 |
| 120°-130° | 287.0 | 1.6 |
| 130°-140° | 281.0 | 1.6 |
| 140°-150° | 222.7 | 1.2 |
| 150°-160° | 122.7 | 0.7 |
| 160°-170° | 35.5 | 0.2 |
| 170°-180° | 3.8 | 0.0 |
| 0°-30° | 4442.3 | 24.6 |
| 0°-40° | 7202.0 | 39.9 |
| 0°-60° | 11907.4 | 66.0 |
| 0°-90° | 16007.8 | 88.7 |
| 90°-120° | 1093.4 | 6.1 |
| 90°-150° | 1884.2 | 10.4 |
| 90°-180° | 2046.0 | 11.3 |
| 0°-180° | 18054.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 4794 | 4794 | 4794 | 4794 | 4794 | |
| 5° | 4806 | 4877 | 5065 | 5193 | 5256 | 456 |
| 15° | 4560 | 5087 | 5612 | 5900 | 6000 | 1284 |
| 25° | 4054 | 4844 | 5450 | 5735 | 5836 | 1864 |
| 35° | 3308 | 4102 | 4628 | 4856 | 4885 | 2062 |
| 45° | 2382 | 3100 | 3544 | 3609 | 3552 | 1834 |
| 55° | 1506 | 2249 | 2638 | 2565 | 2503 | 1357 |
| 65° | 890 | 1682 | 2006 | 1890 | 1841 | 884 |
| 75° | 491 | 1292 | 1537 | 1437 | 1415 | 521 |
| 85° | 203 | 901 | 1047 | 986 | 976 | 194 |
| 90° | 74 | 541 | 649 | 633 | 629 | 50 |
| 95° | 76 | 376 | 511 | 526 | 539 | 61 |
| 105° | 73 | 273 | 318 | 353 | 358 | 77 |
| 115° | 62 | 406 | 323 | 301 | 295 | 63 |
| 125° | 53 | 365 | 364 | 323 | 311 | 47 |
| 135° | 40 | 329 | 512 | 414 | 375 | 32 |
| 145° | 35 | 241 | 416 | 478 | 539 | 22 |
| 155° | 34 | 54 | 364 | 398 | 412 | 16 |
| 165° | 34 | 47 | 64 | 196 | 242 | 10 |
| 175° | 33 | 34 | 39 | 40 | 32 | 3 |
| 180° | 30 | 30 | 30 | 30 | 30 | |



TEST NUMBER: P236403

CATALOG NUMBER: SKB4-LD5-18-W-UNV-L835-CD2-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 |
| 2.5° | 4829.6 | 4821.5 | 4810.5 | 4824.4 | 4825.1 | 4822.2 | 4823.7 | 4837.6 | 4846.5 | 4862.6 | 4871.4 |
| 5° | 4806.0 | 4803.1 | 4805.3 | 4835.4 | 4863.4 | 4877.3 | 4890.6 | 4934.6 | 4979.5 | 5025.0 | 5064.7 |
| 7.5° | 4768.6 | 4774.4 | 4792.8 | 4853.8 | 4914.8 | 4944.9 | 4978.7 | 5061.8 | 5135.3 | 5199.9 | 5268.3 |
| 10° | 4717.9 | 4728.1 | 4773.7 | 4867.8 | 4966.2 | 5013.3 | 5064.0 | 5166.1 | 5267.5 | 5355.0 | 5424.8 |
| 12.5° | 4649.5 | 4667.9 | 4743.6 | 4872.9 | 5002.3 | 5064.7 | 5130.1 | 5248.4 | 5355.7 | 5456.4 | 5540.9 |
| 15° | 4559.9 | 4597.3 | 4696.5 | 4861.9 | 5016.9 | 5086.8 | 5157.3 | 5288.9 | 5407.9 | 5519.6 | 5612.2 |
| 17.5° | 4459.2 | 4511.4 | 4637.0 | 4827.4 | 5002.3 | 5074.3 | 5150.7 | 5291.1 | 5420.4 | 5538.7 | 5640.1 |
| 20° | 4340.1 | 4403.3 | 4557.7 | 4770.8 | 4951.5 | 5028.0 | 5109.5 | 5257.3 | 5393.2 | 5516.7 | 5621.7 |
| 22.5° | 4204.2 | 4280.6 | 4462.1 | 4687.0 | 4870.7 | 4949.3 | 5033.9 | 5188.2 | 5329.3 | 5452.7 | 5554.9 |
| 25° | 4054.3 | 4141.0 | 4342.3 | 4573.1 | 4756.8 | 4843.5 | 4924.4 | 5080.9 | 5216.8 | 5346.2 | 5450.5 |
| 27.5° | 3896.3 | 3981.5 | 4196.1 | 4431.3 | 4612.0 | 4700.2 | 4784.0 | 4937.6 | 5075.0 | 5196.3 | 5302.8 |
| 30° | 3705.9 | 3803.7 | 4026.3 | 4256.4 | 4448.9 | 4532.7 | 4607.6 | 4756.8 | 4895.7 | 5009.6 | 5097.1 |
| 32.5° | 3513.4 | 3613.4 | 3843.4 | 4076.3 | 4252.7 | 4325.4 | 4407.0 | 4546.6 | 4672.3 | 4784.7 | 4876.6 |
| 35° | 3308.4 | 3415.7 | 3630.3 | 3849.2 | 4020.5 | 4102.0 | 4183.6 | 4318.1 | 4429.8 | 4536.3 | 4627.5 |
| 37.5° | 3089.4 | 3186.4 | 3412.7 | 3632.5 | 3783.8 | 3867.6 | 3937.4 | 4057.9 | 4180.7 | 4280.6 | 4354.1 |
| 40° | 2857.2 | 2954.9 | 3179.8 | 3389.2 | 3545.0 | 3620.0 | 3674.3 | 3802.9 | 3915.4 | 4021.9 | 4080.7 |
| 42.5° | 2618.3 | 2735.9 | 2945.4 | 3140.1 | 3283.4 | 3370.1 | 3412.7 | 3548.7 | 3650.1 | 3747.1 | 3812.5 |
| 45° | 2382.4 | 2488.3 | 2699.9 | 2891.7 | 3040.9 | 3100.4 | 3161.4 | 3281.2 | 3395.1 | 3477.4 | 3543.5 |
| 47.5° | 2141.4 | 2253.8 | 2463.3 | 2652.1 | 2793.2 | 2869.7 | 2938.7 | 3047.5 | 3151.9 | 3232.0 | 3298.1 |
| 50° | 1907.0 | 2040.7 | 2248.7 | 2432.4 | 2572.8 | 2634.5 | 2704.3 | 2826.3 | 2924.0 | 3001.9 | 3051.2 |
| 52.5° | 1721.1 | 1832.0 | 2049.5 | 2223.0 | 2367.0 | 2435.4 | 2494.1 | 2629.4 | 2724.2 | 2787.4 | 2829.2 |
| 55° | 1505.7 | 1638.8 | 1848.9 | 2027.5 | 2181.8 | 2249.4 | 2319.2 | 2432.4 | 2522.1 | 2598.5 | 2638.2 |
| 57.5° | 1322.8 | 1459.4 | 1674.0 | 1860.0 | 2014.3 | 2085.6 | 2156.1 | 2267.8 | 2358.2 | 2420.7 | 2455.9 |
| 60° | 1154.5 | 1311.7 | 1522.6 | 1707.8 | 1867.3 | 1943.7 | 2009.1 | 2113.5 | 2199.5 | 2264.9 | 2289.1 |
| 62.5° | 1011.9 | 1164.8 | 1385.2 | 1575.6 | 1740.2 | 1806.3 | 1869.5 | 1981.2 | 2069.4 | 2120.8 | 2139.9 |
| 65° | 889.9 | 1042.0 | 1261.8 | 1455.8 | 1620.4 | 1682.1 | 1747.5 | 1859.2 | 1938.6 | 1992.2 | 2005.5 |
| 67.5° | 764.3 | 931.1 | 1153.0 | 1352.2 | 1507.2 | 1573.4 | 1635.8 | 1746.8 | 1826.9 | 1872.4 | 1879.8 |
| 70° | 665.1 | 831.9 | 1057.5 | 1261.0 | 1405.8 | 1474.1 | 1535.1 | 1643.2 | 1717.4 | 1763.0 | 1762.2 |
| 72.5° | 571.0 | 741.5 | 971.5 | 1164.0 | 1314.7 | 1380.1 | 1441.1 | 1549.1 | 1619.7 | 1649.8 | 1644.6 |
| 75° | 490.9 | 656.2 | 894.3 | 1077.3 | 1225.8 | 1291.9 | 1356.6 | 1453.6 | 1513.1 | 1540.3 | 1536.6 |
| 77.5° | 410.1 | 579.1 | 818.6 | 998.0 | 1142.7 | 1205.2 | 1266.2 | 1352.9 | 1414.6 | 1435.9 | 1423.4 |
| 80° | 338.0 | 510.0 | 740.0 | 916.4 | 1058.2 | 1110.4 | 1165.5 | 1252.2 | 1300.7 | 1322.8 | 1313.9 |
| 82.5° | 269.7 | 443.9 | 663.6 | 828.2 | 957.5 | 1011.9 | 1064.8 | 1137.6 | 1183.1 | 1197.1 | 1181.7 |
| 85° | 202.8 | 374.0 | 579.8 | 731.9 | 848.0 | 900.9 | 942.8 | 1011.9 | 1047.2 | 1058.2 | 1047.2 |
| 87.5° | 141.1 | 304.2 | 490.9 | 622.4 | 723.8 | 767.9 | 803.2 | 863.5 | 891.4 | 906.1 | 898.7 |
| 90° | 74.2 | 202.8 | 348.3 | 443.1 | 513.7 | 540.9 | 570.3 | 611.4 | 638.6 | 651.8 | 648.9 |
| 92.5° | 72.0 | 153.6 | 273.4 | 359.4 | 425.5 | 456.4 | 490.9 | 543.1 | 572.5 | 593.0 | 594.5 |
| 95° | 75.7 | 127.1 | 207.2 | 271.9 | 341.0 | 375.5 | 404.9 | 445.3 | 476.9 | 504.1 | 510.7 |
| 97.5° | 74.2 | 130.8 | 189.6 | 244.0 | 285.1 | 307.2 | 338.8 | 388.0 | 417.4 | 435.0 | 438.0 |
| 100° | 74.2 | 138.2 | 199.1 | 231.5 | 273.4 | 285.9 | 298.4 | 324.8 | 366.7 | 390.2 | 402.0 |
| 102.5° | 73.5 | 141.1 | 215.3 | 233.7 | 266.0 | 285.9 | 295.4 | 308.6 | 324.1 | 345.4 | 366.7 |
| 105° | 72.8 | 143.3 | 228.5 | 255.7 | 261.6 | 273.4 | 292.5 | 311.6 | 316.0 | 316.7 | 317.5 |
| 107.5° | 72.0 | 136.0 | 234.4 | 299.8 | 276.3 | 278.5 | 284.4 | 308.6 | 321.9 | 318.9 | 313.1 |
| 110° | 69.8 | 117.6 | 234.4 | 298.4 | 302.0 | 294.7 | 293.2 | 303.5 | 318.9 | 325.5 | 318.9 |



TEST NUMBER: P236403

CATALOG NUMBER: SKB4-LD5-18-W-UNV-L835-CD2-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 66.9 | 99.9 | 230.7 | 299.8 | 368.2 | 329.2 | 313.1 | 309.4 | 315.3 | 322.6 | 327.0 |
| 115° | 62.5 | 81.6 | 228.5 | 299.8 | 367.4 | 405.6 | 352.0 | 325.5 | 320.4 | 321.1 | 322.6 |
| 117.5° | 60.3 | 69.8 | 233.7 | 299.1 | 349.8 | 400.5 | 438.0 | 352.0 | 334.4 | 327.0 | 323.3 |
| 120° | 58.1 | 64.7 | 220.5 | 295.4 | 350.5 | 371.1 | 426.2 | 413.0 | 357.9 | 340.2 | 331.4 |
| 122.5° | 55.1 | 62.5 | 198.4 | 289.5 | 346.9 | 370.4 | 388.7 | 488.7 | 397.6 | 360.1 | 345.4 |
| 125° | 52.9 | 59.5 | 167.6 | 289.5 | 340.2 | 365.2 | 385.8 | 455.6 | 512.9 | 393.9 | 363.8 |
| 127.5° | 50.0 | 55.9 | 133.0 | 295.4 | 331.4 | 357.1 | 379.2 | 413.7 | 506.3 | 482.8 | 402.7 |
| 130° | 46.3 | 52.9 | 99.9 | 273.4 | 323.3 | 346.9 | 369.6 | 407.1 | 452.7 | 536.5 | 493.1 |
| 132.5° | 43.4 | 49.2 | 66.9 | 243.2 | 318.2 | 337.3 | 358.6 | 397.6 | 428.4 | 488.7 | 554.8 |
| 135° | 39.7 | 45.6 | 52.9 | 207.2 | 324.8 | 329.2 | 347.6 | 387.3 | 418.9 | 443.1 | 511.5 |
| 137.5° | 38.2 | 44.1 | 50.7 | 166.8 | 302.0 | 337.3 | 338.8 | 374.0 | 407.9 | 434.3 | 454.9 |
| 140° | 36.7 | 42.6 | 49.2 | 113.2 | 266.0 | 318.9 | 346.9 | 361.6 | 394.6 | 421.8 | 444.6 |
| 142.5° | 35.3 | 41.2 | 47.0 | 73.5 | 224.1 | 283.7 | 332.2 | 352.7 | 379.9 | 407.9 | 430.6 |
| 145° | 35.3 | 40.4 | 46.3 | 54.4 | 177.1 | 241.0 | 293.2 | 360.1 | 366.7 | 391.0 | 415.9 |
| 147.5° | 34.5 | 39.7 | 45.6 | 50.0 | 116.8 | 186.7 | 246.9 | 333.6 | 365.2 | 377.0 | 397.6 |
| 150° | 34.5 | 38.9 | 44.8 | 49.2 | 75.0 | 127.9 | 193.3 | 288.1 | 357.1 | 369.6 | 381.4 |
| 152.5° | 34.5 | 38.2 | 44.8 | 48.5 | 52.2 | 77.9 | 133.0 | 227.1 | 307.9 | 366.7 | 376.3 |
| 155° | 34.5 | 37.5 | 44.1 | 47.8 | 51.4 | 53.6 | 75.0 | 170.5 | 248.4 | 314.5 | 363.8 |
| 157.5° | 34.5 | 37.5 | 43.4 | 47.0 | 50.0 | 52.2 | 52.9 | 93.3 | 183.0 | 248.4 | 304.2 |
| 160° | 34.5 | 36.7 | 41.9 | 46.3 | 48.5 | 50.7 | 52.2 | 56.6 | 97.0 | 176.4 | 230.0 |
| 162.5° | 34.5 | 36.0 | 40.4 | 44.8 | 47.8 | 48.5 | 50.0 | 52.2 | 55.1 | 84.5 | 122.7 |
| 165° | 34.5 | 35.3 | 38.9 | 43.4 | 46.3 | 47.0 | 47.8 | 50.0 | 52.2 | 53.6 | 63.9 |
| 167.5° | 33.8 | 35.3 | 37.5 | 40.4 | 44.1 | 45.6 | 46.3 | 47.8 | 49.2 | 50.7 | 52.2 |
| 170° | 33.8 | 34.5 | 36.0 | 38.2 | 40.4 | 41.9 | 43.4 | 44.8 | 46.3 | 47.0 | 47.8 |
| 172.5° | 33.1 | 33.8 | 34.5 | 36.0 | 37.5 | 38.2 | 38.9 | 40.4 | 42.6 | 44.1 | 44.8 |
| 175° | 33.1 | 33.1 | 33.1 | 33.8 | 34.5 | 34.5 | 35.3 | 36.0 | 36.7 | 38.2 | 38.9 |
| 177.5° | 32.3 | 33.1 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 33.1 | 33.1 | 33.1 |
| 180° | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 |



TEST NUMBER: P236403

CATALOG NUMBER: SKB4-LD5-18-W-UNV-L835-CD2-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 | 4794.3 |
| 2.5° | 4886.1 | 4893.5 | 4889.8 | 4912.6 | 4919.9 | 4913.3 | 4917.0 | 4924.4 | 4929.5 | 4932.4 |
| 5° | 5100.7 | 5130.9 | 5151.4 | 5184.5 | 5192.6 | 5211.7 | 5221.2 | 5241.8 | 5256.5 | 5255.8 |
| 7.5° | 5329.3 | 5369.7 | 5406.4 | 5438.8 | 5460.8 | 5471.8 | 5486.5 | 5514.5 | 5532.1 | 5535.0 |
| 10° | 5499.8 | 5551.9 | 5596.8 | 5637.9 | 5665.8 | 5669.5 | 5706.3 | 5726.8 | 5745.9 | 5735.7 |
| 12.5° | 5623.2 | 5678.3 | 5731.2 | 5788.6 | 5805.5 | 5823.1 | 5848.8 | 5879.7 | 5896.6 | 5894.4 |
| 15° | 5698.2 | 5762.1 | 5823.1 | 5878.2 | 5900.3 | 5915.0 | 5949.5 | 5983.3 | 5998.0 | 5999.5 |
| 17.5° | 5728.3 | 5796.6 | 5858.4 | 5917.9 | 5937.7 | 5954.6 | 5990.7 | 6022.3 | 6039.9 | 6042.8 |
| 20° | 5710.7 | 5781.2 | 5845.1 | 5904.7 | 5923.0 | 5941.4 | 5977.4 | 6009.8 | 6028.9 | 6030.3 |
| 22.5° | 5646.7 | 5716.5 | 5784.9 | 5840.0 | 5857.6 | 5878.2 | 5909.1 | 5941.4 | 5956.1 | 5956.8 |
| 25° | 5536.5 | 5604.8 | 5665.8 | 5716.5 | 5734.9 | 5759.2 | 5789.3 | 5812.8 | 5829.7 | 5835.6 |
| 27.5° | 5377.8 | 5443.2 | 5504.9 | 5546.1 | 5568.8 | 5588.7 | 5612.2 | 5647.5 | 5650.4 | 5653.3 |
| 30° | 5174.2 | 5249.9 | 5306.5 | 5340.3 | 5355.0 | 5383.6 | 5399.8 | 5418.2 | 5443.2 | 5440.2 |
| 32.5° | 4949.3 | 5019.9 | 5061.0 | 5114.7 | 5126.4 | 5141.1 | 5150.7 | 5173.5 | 5179.4 | 5182.3 |
| 35° | 4696.5 | 4759.0 | 4789.9 | 4834.0 | 4856.0 | 4858.2 | 4870.0 | 4887.6 | 4887.6 | 4884.7 |
| 37.5° | 4423.2 | 4488.6 | 4518.0 | 4535.6 | 4543.7 | 4554.0 | 4552.5 | 4562.1 | 4548.8 | 4557.7 |
| 40° | 4155.7 | 4201.2 | 4209.3 | 4227.0 | 4235.0 | 4238.0 | 4232.1 | 4225.5 | 4209.3 | 4218.9 |
| 42.5° | 3870.6 | 3902.9 | 3925.7 | 3917.6 | 3922.7 | 3916.9 | 3904.4 | 3884.5 | 3888.9 | 3891.9 |
| 45° | 3589.8 | 3609.7 | 3608.9 | 3629.5 | 3608.9 | 3597.2 | 3584.7 | 3570.0 | 3563.4 | 3552.4 |
| 47.5° | 3326.8 | 3335.6 | 3337.8 | 3326.8 | 3309.1 | 3317.9 | 3280.5 | 3270.2 | 3259.1 | 3259.9 |
| 50° | 3072.5 | 3083.5 | 3079.8 | 3057.1 | 3042.4 | 3026.9 | 3004.9 | 2985.8 | 2974.0 | 2963.0 |
| 52.5° | 2849.1 | 2845.4 | 2823.4 | 2809.4 | 2790.3 | 2782.2 | 2747.7 | 2738.9 | 2722.7 | 2716.1 |
| 55° | 2648.5 | 2633.8 | 2611.0 | 2589.7 | 2565.4 | 2554.4 | 2533.1 | 2514.0 | 2498.6 | 2503.0 |
| 57.5° | 2455.9 | 2439.0 | 2414.0 | 2382.4 | 2366.3 | 2354.5 | 2328.8 | 2318.5 | 2300.1 | 2300.9 |
| 60° | 2284.7 | 2264.1 | 2233.3 | 2203.9 | 2188.4 | 2173.0 | 2153.9 | 2139.9 | 2128.2 | 2124.5 |
| 62.5° | 2135.5 | 2112.0 | 2081.1 | 2051.0 | 2034.1 | 2021.6 | 2001.0 | 1985.6 | 1973.9 | 1973.1 |
| 65° | 1995.9 | 1964.3 | 1928.3 | 1902.6 | 1890.1 | 1879.1 | 1863.6 | 1846.0 | 1837.9 | 1840.8 |
| 67.5° | 1861.4 | 1832.0 | 1801.9 | 1774.7 | 1760.0 | 1753.4 | 1744.6 | 1732.1 | 1726.2 | 1728.4 |
| 70° | 1740.2 | 1702.0 | 1679.2 | 1656.4 | 1646.1 | 1643.9 | 1630.7 | 1620.4 | 1617.4 | 1613.8 |
| 72.5° | 1621.9 | 1591.0 | 1565.3 | 1545.4 | 1542.5 | 1535.9 | 1523.4 | 1520.4 | 1510.2 | 1508.0 |
| 75° | 1511.6 | 1480.8 | 1458.7 | 1440.3 | 1437.4 | 1433.7 | 1424.9 | 1422.7 | 1413.2 | 1415.4 |
| 77.5° | 1398.5 | 1373.5 | 1352.9 | 1341.1 | 1331.6 | 1327.9 | 1321.3 | 1316.2 | 1312.5 | 1311.0 |
| 80° | 1280.1 | 1253.7 | 1235.3 | 1226.5 | 1221.4 | 1216.2 | 1212.5 | 1205.2 | 1201.5 | 1199.3 |
| 82.5° | 1152.3 | 1131.7 | 1115.5 | 1109.7 | 1106.0 | 1108.9 | 1097.9 | 1097.2 | 1095.0 | 1091.3 |
| 85° | 1028.8 | 1006.8 | 991.3 | 988.4 | 986.2 | 982.5 | 981.0 | 977.4 | 975.9 | 975.9 |
| 87.5° | 879.6 | 860.5 | 851.7 | 856.9 | 848.8 | 853.9 | 853.2 | 848.8 | 845.8 | 856.1 |
| 90° | 638.6 | 630.5 | 626.1 | 630.5 | 632.7 | 631.3 | 630.5 | 625.4 | 629.0 | 629.0 |
| 92.5° | 591.6 | 585.7 | 586.4 | 584.2 | 588.6 | 589.4 | 591.6 | 589.4 | 592.3 | 591.6 |
| 95° | 511.5 | 512.9 | 517.3 | 521.8 | 526.2 | 526.2 | 531.3 | 534.2 | 535.0 | 538.7 |
| 97.5° | 436.5 | 434.3 | 444.6 | 449.7 | 447.5 | 451.2 | 454.1 | 460.0 | 461.5 | 457.1 |
| 100° | 402.0 | 396.8 | 395.4 | 393.9 | 393.9 | 391.7 | 391.7 | 393.9 | 395.4 | 391.7 |
| 102.5° | 369.6 | 372.6 | 372.6 | 371.1 | 371.1 | 371.8 | 372.6 | 374.0 | 375.5 | 374.0 |
| 105° | 330.7 | 344.7 | 349.1 | 352.0 | 352.7 | 353.5 | 355.7 | 358.6 | 358.6 | 357.9 |
| 107.5° | 308.6 | 300.6 | 311.6 | 323.3 | 327.8 | 331.4 | 338.0 | 341.7 | 343.2 | 342.4 |
| 110° | 310.8 | 301.3 | 291.7 | 296.2 | 293.9 | 288.8 | 296.2 | 305.0 | 310.8 | 313.1 |



TEST NUMBER: P236403

CATALOG NUMBER: SKB4-LD5-18-W-UNV-L835-CD2-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 318.2 | 307.9 | 302.0 | 296.2 | 293.2 | 291.0 | 289.5 | 291.0 | 290.3 | 287.3 |
| 115° | 323.3 | 316.7 | 307.9 | 302.0 | 300.6 | 299.8 | 299.8 | 298.4 | 296.9 | 295.4 |
| 117.5° | 321.1 | 318.2 | 316.0 | 311.6 | 310.8 | 309.4 | 306.4 | 304.2 | 301.3 | 299.8 |
| 120° | 324.1 | 318.9 | 315.3 | 313.8 | 314.5 | 314.5 | 313.1 | 312.3 | 309.4 | 307.9 |
| 122.5° | 334.4 | 324.8 | 319.7 | 317.5 | 316.0 | 315.3 | 313.8 | 312.3 | 309.4 | 307.9 |
| 125° | 349.8 | 338.0 | 330.0 | 324.1 | 322.6 | 321.1 | 318.2 | 315.3 | 312.3 | 310.8 |
| 127.5° | 371.8 | 356.4 | 346.9 | 338.8 | 335.8 | 332.2 | 327.8 | 321.9 | 318.9 | 317.5 |
| 130° | 409.3 | 382.9 | 368.2 | 357.1 | 352.0 | 349.1 | 343.2 | 337.3 | 332.2 | 330.0 |
| 132.5° | 521.0 | 428.4 | 400.5 | 382.1 | 378.5 | 371.8 | 363.0 | 356.4 | 350.5 | 348.3 |
| 135° | 564.4 | 568.8 | 454.9 | 424.8 | 413.7 | 402.7 | 392.4 | 382.9 | 376.3 | 374.8 |
| 137.5° | 519.6 | 565.1 | 592.3 | 550.4 | 509.3 | 465.9 | 442.4 | 427.7 | 417.4 | 411.5 |
| 140° | 463.7 | 506.3 | 556.3 | 581.3 | 593.0 | 599.7 | 595.2 | 571.0 | 540.1 | 535.7 |
| 142.5° | 451.2 | 465.9 | 479.9 | 531.3 | 548.2 | 561.4 | 575.4 | 584.2 | 589.4 | 589.4 |
| 145° | 435.8 | 452.7 | 463.7 | 473.3 | 477.7 | 481.3 | 512.2 | 532.8 | 538.7 | 538.7 |
| 147.5° | 419.6 | 434.3 | 448.3 | 458.6 | 463.7 | 468.1 | 471.8 | 474.7 | 474.0 | 473.3 |
| 150° | 399.0 | 414.5 | 428.4 | 440.2 | 445.3 | 448.3 | 454.9 | 457.8 | 457.1 | 455.6 |
| 152.5° | 380.7 | 394.6 | 407.9 | 417.4 | 423.3 | 427.7 | 432.8 | 437.2 | 438.0 | 437.2 |
| 155° | 382.1 | 379.2 | 387.3 | 396.8 | 398.3 | 402.7 | 408.6 | 413.0 | 411.5 | 411.5 |
| 157.5° | 346.9 | 374.8 | 385.8 | 381.4 | 380.7 | 382.1 | 384.3 | 388.0 | 388.0 | 385.8 |
| 160° | 274.1 | 313.1 | 341.7 | 368.2 | 372.6 | 377.7 | 382.9 | 383.6 | 380.7 | 377.0 |
| 162.5° | 188.1 | 219.0 | 257.9 | 286.6 | 296.2 | 306.4 | 320.4 | 330.7 | 334.4 | 330.0 |
| 165° | 84.5 | 108.0 | 158.7 | 181.5 | 196.2 | 204.3 | 216.8 | 224.9 | 235.2 | 241.8 |
| 167.5° | 52.9 | 55.1 | 64.7 | 71.3 | 78.6 | 86.0 | 91.1 | 97.7 | 103.6 | 114.6 |
| 170° | 48.5 | 49.2 | 50.0 | 50.0 | 50.0 | 49.2 | 48.5 | 47.0 | 46.3 | 44.1 |
| 172.5° | 45.6 | 45.6 | 45.6 | 44.8 | 45.6 | 44.8 | 44.1 | 42.6 | 39.7 | 37.5 |
| 175° | 39.7 | 40.4 | 39.7 | 40.4 | 39.7 | 39.7 | 38.9 | 36.7 | 33.8 | 32.3 |
| 177.5° | 33.1 | 33.1 | 33.1 | 32.3 | 31.6 | 30.9 | 30.1 | 27.9 | 25.7 | 23.5 |
| 180° | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 |

(END OF REPORT)