

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: P236396

Luminaire Tested: **SKB4-LD5-24-N-UNV-L850-CD4-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-365-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SKB4-LD5-24-N-UNV-L850-CD4-U
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE
4 BLADES WITH NARROW DISTRIBUTION LENS, ALL BLADES VERTICAL
Light Source: (952) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

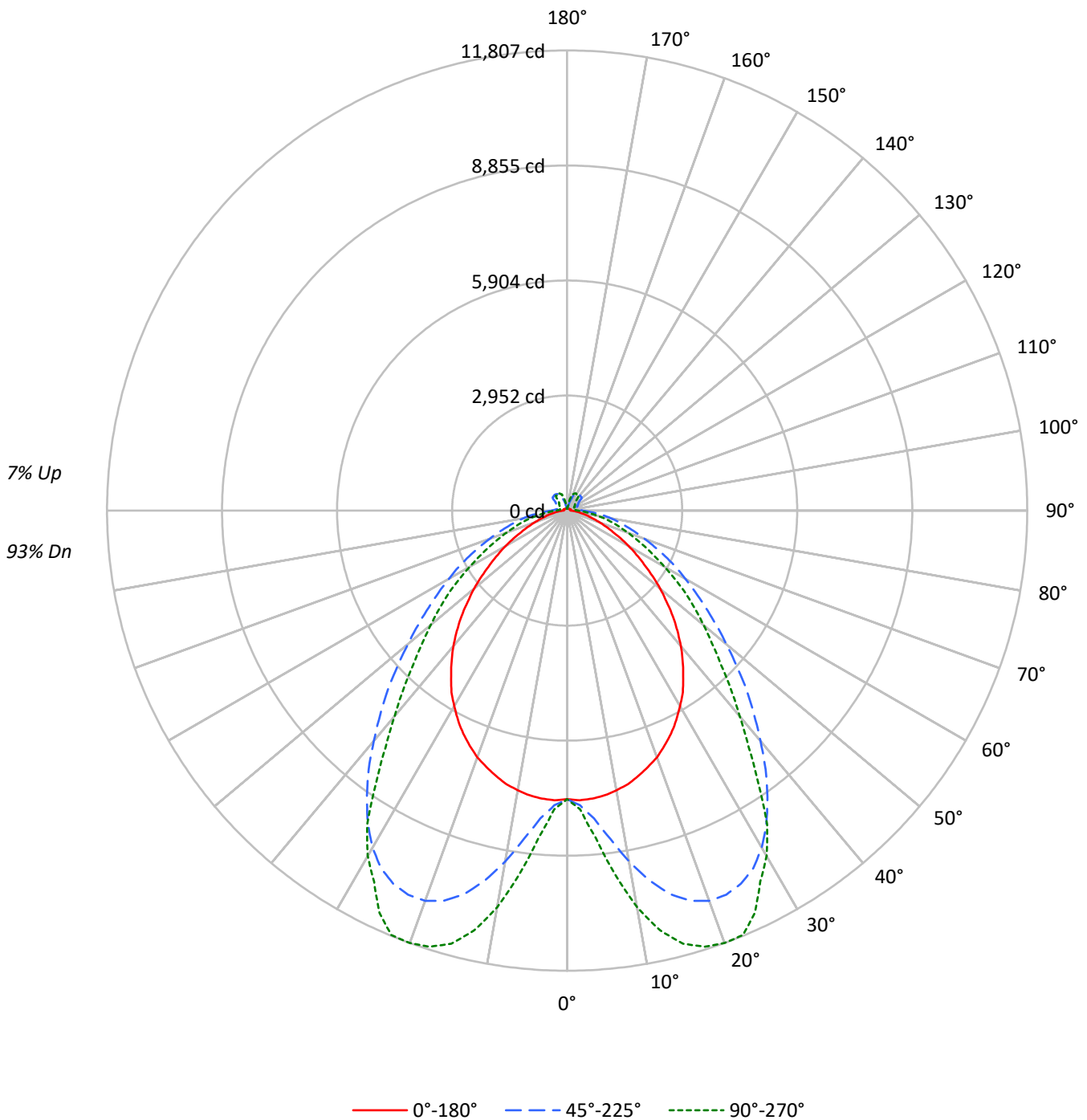
Lumens per Lamp: N/A
Luminaire Lumens: 27355.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.56 / 1.53
Luminous Opening: Rectangular w/ Sides (W: 1.88' x L: 4' x H: 0.21')
CIE Type: Direct

Input Watts (W): 206.2
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: P236396

CATALOG NUMBER: SKB4-LD5-24-N-UNV-L850-CD4-U

Luminous Intensity Polar Plot





TEST NUMBER: P236396

CATALOG NUMBER: SKB4-LD5-24-N-UNV-L850-CD4-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 | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 96 | 96 | 96 | 93 |
| 1 | 107 | 103 | 99 | 95 | 104 | 100 | 96 | 93 | 94 | 91 | 89 | 89 | 87 | 85 | 85 | 83 | 81 | 78 |
| 2 | 98 | 90 | 84 | 78 | 95 | 88 | 82 | 77 | 83 | 78 | 74 | 79 | 75 | 71 | 75 | 72 | 69 | 66 |
| 3 | 90 | 80 | 72 | 66 | 87 | 78 | 71 | 65 | 74 | 68 | 63 | 70 | 65 | 61 | 67 | 63 | 59 | 57 |
| 4 | 83 | 71 | 63 | 57 | 80 | 70 | 62 | 56 | 66 | 60 | 54 | 63 | 57 | 53 | 60 | 55 | 51 | 49 |
| 5 | 76 | 64 | 55 | 49 | 74 | 63 | 55 | 49 | 60 | 53 | 47 | 57 | 51 | 46 | 55 | 49 | 45 | 43 |
| 6 | 71 | 58 | 49 | 43 | 68 | 57 | 49 | 43 | 54 | 47 | 42 | 52 | 46 | 41 | 50 | 44 | 40 | 38 |
| 7 | 66 | 53 | 44 | 38 | 64 | 51 | 44 | 38 | 49 | 42 | 37 | 47 | 41 | 36 | 45 | 40 | 36 | 34 |
| 8 | 61 | 48 | 40 | 34 | 59 | 47 | 39 | 34 | 45 | 38 | 33 | 44 | 37 | 33 | 42 | 36 | 32 | 30 |
| 9 | 57 | 44 | 36 | 31 | 55 | 43 | 36 | 31 | 42 | 35 | 30 | 40 | 34 | 30 | 39 | 33 | 29 | 27 |
| 10 | 54 | 41 | 33 | 28 | 52 | 40 | 33 | 28 | 39 | 32 | 27 | 37 | 31 | 27 | 36 | 30 | 27 | 25 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10623 | 10623 | 10623 |
| 5° | 10639 | 11310 | 12030 |
| 10° | 10523 | 13052 | 14771 |
| 15° | 10334 | 14679 | 16599 |
| 20° | 10102 | 15617 | 17332 |
| 25° | 9758 | 15868 | 17148 |
| 30° | 9315 | 15510 | 15935 |
| 35° | 8773 | 14525 | 13911 |
| 40° | 8148 | 13176 | 11805 |
| 45° | 7402 | 11851 | 10185 |
| 50° | 6544 | 10462 | 9013 |
| 55° | 5623 | 9315 | 8034 |
| 60° | 4806 | 8360 | 6945 |
| 65° | 3942 | 7559 | 6051 |
| 70° | 3259 | 6740 | 5308 |
| 75° | 2688 | 6108 | 4788 |
| 80° | 2320 | 5696 | 4152 |
| 85° | 2126 | 5135 | 3624 |



TEST NUMBER: P236396

CATALOG NUMBER: SKB4-LD5-24-N-UNV-L850-CD4-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 789.4 | 2.9 |
| 10°-20° | 2745.8 | 10.0 |
| 20°-30° | 4480.5 | 16.4 |
| 30°-40° | 5012.2 | 18.3 |
| 40°-50° | 4435.1 | 16.2 |
| 50°-60° | 3434.9 | 12.6 |
| 60°-70° | 2371.5 | 8.7 |
| 70°-80° | 1474.6 | 5.4 |
| 80°-90° | 732.2 | 2.7 |
| 90°-100° | 304.7 | 1.1 |
| 100°-110° | 255.0 | 0.9 |
| 110°-120° | 280.5 | 1.0 |
| 120°-130° | 291.1 | 1.1 |
| 130°-140° | 285.1 | 1.0 |
| 140°-150° | 246.1 | 0.9 |
| 150°-160° | 155.7 | 0.6 |
| 160°-170° | 54.7 | 0.2 |
| 170°-180° | 5.8 | 0.0 |
| 0°-30° | 8015.7 | 29.3 |
| 0°-40° | 13027.8 | 47.6 |
| 0°-60° | 20897.9 | 76.4 |
| 0°-90° | 25476.2 | 93.1 |
| 90°-120° | 840.2 | 3.1 |
| 90°-150° | 1662.6 | 6.1 |
| 90°-180° | 1879.0 | 6.9 |
| 0°-180° | 27355.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|-------|-------|-------|------|
| 0° | 7402 | 7402 | 7402 | 7402 | 7402 | |
| 5° | 7418 | 7586 | 7930 | 8237 | 8432 | 704 |
| 15° | 7052 | 8288 | 10185 | 11190 | 11504 | 1987 |
| 25° | 6312 | 8530 | 10560 | 11315 | 11390 | 2900 |
| 35° | 5190 | 7536 | 8960 | 8794 | 8557 | 3243 |
| 45° | 3837 | 5729 | 6513 | 5979 | 5575 | 2948 |
| 55° | 2414 | 3887 | 4336 | 3962 | 3720 | 2176 |
| 65° | 1291 | 2518 | 2777 | 2423 | 2206 | 1302 |
| 75° | 579 | 1654 | 1576 | 1388 | 1222 | 629 |
| 85° | 206 | 915 | 723 | 578 | 500 | 201 |
| 90° | 82 | 526 | 397 | 319 | 271 | 54 |
| 95° | 90 | 376 | 295 | 230 | 204 | 74 |
| 105° | 93 | 350 | 226 | 198 | 184 | 99 |
| 115° | 82 | 472 | 295 | 222 | 201 | 83 |
| 125° | 73 | 490 | 360 | 267 | 242 | 66 |
| 135° | 59 | 441 | 496 | 342 | 297 | 46 |
| 145° | 54 | 342 | 508 | 489 | 467 | 34 |
| 155° | 54 | 152 | 438 | 485 | 485 | 25 |
| 165° | 55 | 62 | 177 | 296 | 336 | 15 |
| 175° | 54 | 54 | 55 | 57 | 48 | 5 |
| 180° | 52 | 52 | 52 | 52 | 52 | |



TEST NUMBER: P236396

CATALOG NUMBER: SKB4-LD5-24-N-UNV-L850-CD4-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 |
| 2.5° | 7440.8 | 7425.3 | 7426.4 | 7448.0 | 7459.3 | 7454.2 | 7470.7 | 7494.3 | 7523.2 | 7557.2 | 7569.5 |
| 5° | 7418.1 | 7410.9 | 7442.8 | 7508.8 | 7563.4 | 7586.0 | 7619.0 | 7693.1 | 7773.5 | 7836.3 | 7930.0 |
| 7.5° | 7369.7 | 7376.9 | 7452.1 | 7560.3 | 7671.5 | 7722.0 | 7781.7 | 7916.7 | 8112.4 | 8287.5 | 8497.6 |
| 10° | 7287.3 | 7317.2 | 7444.9 | 7600.4 | 7774.5 | 7876.5 | 7992.9 | 8265.8 | 8585.1 | 8861.2 | 9138.2 |
| 12.5° | 7192.6 | 7244.1 | 7403.7 | 7617.9 | 7908.4 | 8072.2 | 8262.7 | 8651.0 | 9033.2 | 9374.1 | 9709.9 |
| 15° | 7052.5 | 7146.2 | 7346.0 | 7634.4 | 8058.8 | 8287.5 | 8518.2 | 8965.2 | 9419.4 | 9847.9 | 10184.7 |
| 17.5° | 6896.9 | 7022.6 | 7260.5 | 7658.1 | 8183.4 | 8442.0 | 8697.4 | 9207.3 | 9729.5 | 10139.4 | 10493.7 |
| 20° | 6739.4 | 6867.1 | 7147.2 | 7658.1 | 8249.3 | 8537.7 | 8820.0 | 9389.6 | 9890.1 | 10313.5 | 10654.4 |
| 22.5° | 6528.2 | 6705.4 | 7018.5 | 7619.0 | 8259.6 | 8569.7 | 8878.7 | 9432.8 | 9939.6 | 10333.1 | 10666.8 |
| 25° | 6311.9 | 6481.8 | 6872.2 | 7522.2 | 8196.8 | 8529.5 | 8825.1 | 9378.2 | 9860.3 | 10242.4 | 10559.7 |
| 27.5° | 6063.7 | 6243.9 | 6682.7 | 7375.9 | 8067.0 | 8386.3 | 8678.9 | 9207.3 | 9687.2 | 10053.9 | 10342.3 |
| 30° | 5789.7 | 5989.5 | 6467.4 | 7160.6 | 7848.7 | 8157.7 | 8446.1 | 8948.7 | 9405.0 | 9728.4 | 9982.8 |
| 32.5° | 5525.0 | 5701.1 | 6201.7 | 6901.1 | 7571.6 | 7867.2 | 8136.0 | 8625.3 | 9027.0 | 9315.4 | 9516.3 |
| 35° | 5190.2 | 5377.7 | 5905.0 | 6597.2 | 7236.8 | 7535.5 | 7757.0 | 8211.2 | 8580.0 | 8806.6 | 8960.1 |
| 37.5° | 4871.9 | 5040.9 | 5571.3 | 6258.3 | 6852.7 | 7110.2 | 7347.1 | 7760.1 | 8082.5 | 8287.5 | 8364.7 |
| 40° | 4539.3 | 4692.7 | 5213.9 | 5861.8 | 6423.1 | 6662.1 | 6884.6 | 7262.6 | 7545.8 | 7692.1 | 7713.7 |
| 42.5° | 4187.0 | 4320.9 | 4840.0 | 5440.5 | 5971.0 | 6202.7 | 6423.1 | 6743.5 | 6986.6 | 7121.5 | 7097.8 |
| 45° | 3836.8 | 3942.9 | 4451.7 | 5016.1 | 5510.5 | 5728.9 | 5906.1 | 6211.0 | 6432.4 | 6506.6 | 6512.7 |
| 47.5° | 3456.7 | 3574.1 | 4054.1 | 4600.0 | 5062.5 | 5247.9 | 5405.5 | 5699.0 | 5877.2 | 5924.6 | 5896.8 |
| 50° | 3112.7 | 3216.7 | 3657.6 | 4161.2 | 4601.1 | 4755.6 | 4924.5 | 5196.4 | 5324.1 | 5373.6 | 5330.3 |
| 52.5° | 2759.4 | 2869.6 | 3282.6 | 3748.2 | 4136.5 | 4330.2 | 4456.8 | 4702.0 | 4807.1 | 4833.8 | 4817.4 |
| 55° | 2414.3 | 2543.1 | 2932.4 | 3353.7 | 3733.8 | 3887.3 | 4043.8 | 4247.8 | 4338.4 | 4334.3 | 4336.3 |
| 57.5° | 2109.5 | 2215.5 | 2592.5 | 2999.4 | 3360.9 | 3491.7 | 3631.8 | 3802.8 | 3888.3 | 3908.9 | 3906.8 |
| 60° | 1825.2 | 1930.2 | 2294.9 | 2656.4 | 3006.6 | 3146.7 | 3256.9 | 3399.0 | 3474.2 | 3489.7 | 3494.8 |
| 62.5° | 1548.1 | 1665.5 | 2010.6 | 2367.0 | 2694.5 | 2827.4 | 2924.2 | 3060.2 | 3107.5 | 3117.8 | 3148.7 |
| 65° | 1290.6 | 1427.6 | 1758.2 | 2111.5 | 2405.1 | 2518.4 | 2603.9 | 2718.2 | 2770.7 | 2802.7 | 2776.9 |
| 67.5° | 1074.3 | 1221.6 | 1546.0 | 1892.1 | 2159.9 | 2264.0 | 2342.2 | 2430.8 | 2476.1 | 2481.3 | 2423.6 |
| 70° | 887.9 | 1045.5 | 1358.6 | 1683.0 | 1940.5 | 2035.3 | 2106.4 | 2177.4 | 2169.2 | 2138.3 | 2115.6 |
| 72.5° | 722.0 | 887.9 | 1210.3 | 1512.1 | 1750.0 | 1834.4 | 1892.1 | 1934.4 | 1889.0 | 1868.4 | 1834.4 |
| 75° | 578.9 | 755.0 | 1082.5 | 1366.8 | 1582.1 | 1654.2 | 1682.0 | 1674.8 | 1644.9 | 1614.0 | 1575.9 |
| 77.5° | 459.4 | 642.7 | 960.0 | 1234.0 | 1423.5 | 1468.8 | 1482.2 | 1455.4 | 1414.2 | 1385.4 | 1348.3 |
| 80° | 363.6 | 552.1 | 858.0 | 1112.4 | 1246.3 | 1278.2 | 1286.5 | 1249.4 | 1205.1 | 1180.4 | 1140.2 |
| 82.5° | 277.1 | 471.7 | 760.1 | 972.3 | 1078.4 | 1098.0 | 1092.8 | 1051.6 | 1015.6 | 970.3 | 930.1 |
| 85° | 206.0 | 395.5 | 655.1 | 825.0 | 901.3 | 914.6 | 902.3 | 859.0 | 820.9 | 775.6 | 723.1 |
| 87.5° | 144.2 | 324.5 | 536.6 | 666.4 | 726.2 | 725.1 | 710.7 | 672.6 | 627.3 | 587.1 | 545.9 |
| 90° | 82.4 | 230.7 | 394.5 | 481.0 | 523.2 | 526.3 | 515.0 | 482.0 | 455.3 | 431.6 | 396.6 |
| 92.5° | 84.5 | 176.1 | 298.7 | 393.5 | 440.8 | 446.0 | 445.0 | 423.3 | 394.5 | 365.7 | 339.9 |
| 95° | 89.6 | 146.3 | 232.8 | 309.0 | 361.5 | 376.0 | 382.1 | 369.8 | 348.1 | 322.4 | 294.6 |
| 97.5° | 92.7 | 153.5 | 228.7 | 282.2 | 313.1 | 322.4 | 331.7 | 325.5 | 309.0 | 287.4 | 264.7 |
| 100° | 95.8 | 168.9 | 246.2 | 291.5 | 312.1 | 312.1 | 306.9 | 294.6 | 284.3 | 267.8 | 247.2 |
| 102.5° | 95.8 | 176.1 | 270.9 | 311.1 | 329.6 | 327.5 | 323.4 | 293.6 | 264.7 | 254.4 | 239.0 |
| 105° | 92.7 | 179.2 | 294.6 | 345.1 | 349.2 | 350.2 | 342.0 | 317.2 | 282.2 | 252.4 | 225.6 |
| 107.5° | 92.7 | 176.1 | 303.9 | 366.7 | 374.9 | 368.7 | 362.6 | 336.8 | 302.8 | 274.0 | 242.1 |
| 110° | 90.6 | 173.0 | 308.0 | 395.5 | 417.2 | 395.5 | 382.1 | 356.4 | 322.4 | 289.4 | 264.7 |



TEST NUMBER: P236396

CATALOG NUMBER: SKB4-LD5-24-N-UNV-L850-CD4-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 86.5 | 161.7 | 304.9 | 403.8 | 442.9 | 434.7 | 409.9 | 373.9 | 339.9 | 306.9 | 279.1 |
| 115° | 82.4 | 145.2 | 295.6 | 404.8 | 460.4 | 471.7 | 465.6 | 397.6 | 356.4 | 323.4 | 294.6 |
| 117.5° | 80.3 | 131.8 | 291.5 | 404.8 | 472.8 | 485.1 | 491.3 | 432.6 | 376.0 | 337.8 | 310.0 |
| 120° | 78.3 | 115.4 | 282.2 | 400.7 | 473.8 | 494.4 | 502.6 | 496.5 | 403.8 | 355.4 | 322.4 |
| 122.5° | 76.2 | 99.9 | 271.9 | 393.5 | 470.7 | 494.4 | 509.9 | 509.9 | 458.4 | 378.0 | 337.8 |
| 125° | 73.1 | 89.6 | 245.1 | 380.1 | 464.5 | 490.3 | 508.8 | 519.1 | 501.6 | 417.2 | 359.5 |
| 127.5° | 70.0 | 79.3 | 224.5 | 368.7 | 455.3 | 483.1 | 502.6 | 520.2 | 515.0 | 486.2 | 392.4 |
| 130° | 67.0 | 70.0 | 198.8 | 359.5 | 441.9 | 471.7 | 494.4 | 518.1 | 516.0 | 507.8 | 473.8 |
| 132.5° | 62.8 | 64.9 | 168.9 | 338.9 | 423.3 | 458.4 | 483.1 | 511.9 | 519.1 | 504.7 | 504.7 |
| 135° | 58.7 | 59.7 | 137.0 | 295.6 | 406.9 | 440.8 | 470.7 | 503.7 | 517.1 | 511.9 | 496.5 |
| 137.5° | 56.7 | 57.7 | 107.1 | 261.6 | 402.7 | 422.3 | 452.2 | 494.4 | 512.9 | 515.0 | 505.7 |
| 140° | 55.6 | 55.6 | 85.5 | 231.8 | 379.0 | 415.1 | 432.6 | 480.0 | 504.7 | 512.9 | 509.9 |
| 142.5° | 54.6 | 54.6 | 71.1 | 198.8 | 321.4 | 398.6 | 423.3 | 461.4 | 494.4 | 508.8 | 510.9 |
| 145° | 53.6 | 54.6 | 62.8 | 159.7 | 280.2 | 342.0 | 413.0 | 439.8 | 477.9 | 499.6 | 507.8 |
| 147.5° | 53.6 | 54.6 | 60.8 | 118.5 | 242.1 | 288.4 | 349.2 | 432.6 | 455.3 | 485.1 | 500.6 |
| 150° | 53.6 | 53.6 | 59.7 | 84.5 | 199.8 | 251.3 | 295.6 | 406.9 | 435.7 | 463.5 | 484.1 |
| 152.5° | 53.6 | 53.6 | 58.7 | 70.0 | 152.4 | 207.0 | 252.4 | 330.6 | 427.5 | 438.8 | 458.4 |
| 155° | 53.6 | 53.6 | 57.7 | 63.9 | 103.0 | 152.4 | 205.0 | 276.0 | 347.1 | 428.5 | 437.8 |
| 157.5° | 54.6 | 54.6 | 56.7 | 61.8 | 76.2 | 100.9 | 145.2 | 227.6 | 284.3 | 350.2 | 415.1 |
| 160° | 54.6 | 54.6 | 55.6 | 60.8 | 65.9 | 73.1 | 89.6 | 159.7 | 228.7 | 274.0 | 321.4 |
| 162.5° | 54.6 | 54.6 | 55.6 | 58.7 | 62.8 | 64.9 | 69.0 | 96.8 | 159.7 | 221.5 | 257.5 |
| 165° | 54.6 | 54.6 | 54.6 | 56.7 | 60.8 | 61.8 | 63.9 | 70.0 | 88.6 | 129.8 | 177.2 |
| 167.5° | 54.6 | 54.6 | 54.6 | 55.6 | 57.7 | 59.7 | 60.8 | 63.9 | 67.0 | 72.1 | 88.6 |
| 170° | 54.6 | 54.6 | 54.6 | 54.6 | 55.6 | 56.7 | 57.7 | 59.7 | 61.8 | 62.8 | 64.9 |
| 172.5° | 53.6 | 54.6 | 53.6 | 53.6 | 53.6 | 54.6 | 54.6 | 55.6 | 56.7 | 57.7 | 58.7 |
| 175° | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 54.6 |
| 177.5° | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 52.5 | 52.5 |
| 180° | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |



TEST NUMBER: P236396

CATALOG NUMBER: SKB4-LD5-24-N-UNV-L850-CD4-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 | 7401.6 |
| 2.5° | 7590.1 | 7597.3 | 7600.4 | 7634.4 | 7637.5 | 7633.4 | 7638.5 | 7673.6 | 7674.6 | 7674.6 |
| 5° | 7985.7 | 8060.9 | 8149.4 | 8212.3 | 8237.0 | 8246.3 | 8320.4 | 8356.5 | 8365.7 | 8431.7 |
| 7.5° | 8697.4 | 8803.5 | 8934.3 | 9048.6 | 9114.6 | 9152.7 | 9221.7 | 9307.2 | 9343.2 | 9416.3 |
| 10° | 9377.2 | 9588.4 | 9760.4 | 9907.7 | 10006.5 | 10044.7 | 10138.4 | 10249.6 | 10330.0 | 10334.1 |
| 12.5° | 9993.1 | 10247.6 | 10447.4 | 10630.7 | 10688.4 | 10756.4 | 10867.6 | 10944.9 | 11017.0 | 11035.5 |
| 15° | 10490.6 | 10724.5 | 10933.5 | 11117.9 | 11190.0 | 11239.5 | 11351.7 | 11435.2 | 11477.4 | 11504.2 |
| 17.5° | 10802.7 | 11029.3 | 11224.0 | 11388.8 | 11445.5 | 11503.1 | 11597.9 | 11670.0 | 11717.4 | 11733.9 |
| 20° | 10928.4 | 11145.7 | 11325.0 | 11480.5 | 11536.1 | 11585.5 | 11676.2 | 11748.3 | 11793.6 | 11807.0 |
| 22.5° | 10926.3 | 11127.2 | 11308.5 | 11454.7 | 11512.4 | 11568.0 | 11658.7 | 11722.5 | 11766.8 | 11786.4 |
| 25° | 10803.8 | 11006.7 | 11169.4 | 11283.8 | 11314.7 | 11347.6 | 11391.9 | 11399.1 | 11424.9 | 11389.8 |
| 27.5° | 10558.6 | 10733.7 | 10814.1 | 10842.9 | 10838.8 | 10830.5 | 10800.7 | 10772.9 | 10768.7 | 10732.7 |
| 30° | 10149.7 | 10251.7 | 10287.7 | 10263.0 | 10272.3 | 10210.5 | 10199.2 | 10182.7 | 10211.5 | 10232.1 |
| 32.5° | 9623.4 | 9671.8 | 9621.3 | 9591.4 | 9570.8 | 9559.5 | 9566.7 | 9569.8 | 9560.5 | 9548.2 |
| 35° | 9004.3 | 8959.0 | 8901.3 | 8811.7 | 8794.2 | 8759.2 | 8698.4 | 8654.1 | 8618.1 | 8557.3 |
| 37.5° | 8336.9 | 8264.8 | 8204.0 | 8094.8 | 8022.7 | 7989.8 | 7862.1 | 7771.4 | 7680.8 | 7651.9 |
| 40° | 7668.4 | 7581.9 | 7506.7 | 7384.1 | 7325.4 | 7259.5 | 7089.6 | 7016.4 | 6939.2 | 6888.7 |
| 42.5° | 7044.2 | 6979.3 | 6864.0 | 6732.1 | 6624.0 | 6542.6 | 6408.7 | 6311.9 | 6256.3 | 6220.2 |
| 45° | 6434.5 | 6351.0 | 6205.8 | 6063.7 | 5979.2 | 5896.8 | 5772.2 | 5685.7 | 5605.3 | 5575.4 |
| 47.5° | 5858.7 | 5744.4 | 5628.0 | 5479.6 | 5388.0 | 5323.1 | 5239.7 | 5137.7 | 5073.8 | 5042.9 |
| 50° | 5272.6 | 5186.1 | 5061.5 | 4920.4 | 4867.8 | 4799.8 | 4702.0 | 4628.9 | 4579.4 | 4571.2 |
| 52.5° | 4756.6 | 4679.3 | 4568.1 | 4439.3 | 4374.4 | 4340.5 | 4246.7 | 4181.8 | 4154.0 | 4134.5 |
| 55° | 4292.0 | 4224.1 | 4111.8 | 4012.9 | 3962.4 | 3925.4 | 3841.9 | 3781.2 | 3759.5 | 3720.4 |
| 57.5° | 3855.3 | 3806.9 | 3726.6 | 3622.5 | 3588.6 | 3534.0 | 3439.2 | 3375.3 | 3314.6 | 3286.8 |
| 60° | 3473.2 | 3415.5 | 3321.8 | 3230.1 | 3165.2 | 3107.5 | 3013.8 | 2949.9 | 2887.1 | 2885.1 |
| 62.5° | 3108.6 | 3031.3 | 2922.1 | 2813.0 | 2768.7 | 2730.6 | 2631.7 | 2565.8 | 2529.7 | 2526.6 |
| 65° | 2715.1 | 2643.0 | 2552.4 | 2474.1 | 2422.6 | 2387.6 | 2334.0 | 2265.0 | 2221.7 | 2206.3 |
| 67.5° | 2364.9 | 2310.3 | 2238.2 | 2170.2 | 2134.2 | 2102.2 | 2022.9 | 1968.3 | 1925.1 | 1913.8 |
| 70° | 2068.3 | 2018.8 | 1961.1 | 1883.9 | 1852.0 | 1815.9 | 1750.0 | 1691.3 | 1650.1 | 1651.1 |
| 72.5° | 1794.3 | 1750.0 | 1696.4 | 1628.4 | 1595.5 | 1572.8 | 1512.1 | 1469.8 | 1432.7 | 1421.4 |
| 75° | 1540.9 | 1502.8 | 1469.8 | 1412.1 | 1388.5 | 1359.6 | 1303.0 | 1263.8 | 1235.0 | 1221.6 |
| 77.5° | 1322.5 | 1294.7 | 1247.3 | 1191.7 | 1173.2 | 1136.1 | 1085.6 | 1048.5 | 1019.7 | 1018.7 |
| 80° | 1101.1 | 1058.8 | 1019.7 | 969.2 | 946.6 | 921.9 | 872.4 | 840.5 | 819.9 | 818.9 |
| 82.5° | 886.8 | 850.8 | 812.7 | 765.3 | 749.8 | 731.3 | 701.4 | 670.5 | 656.1 | 641.7 |
| 85° | 694.2 | 660.2 | 628.3 | 597.4 | 577.8 | 567.5 | 536.6 | 524.3 | 501.6 | 499.6 |
| 87.5° | 517.1 | 492.3 | 476.9 | 449.1 | 439.8 | 432.6 | 413.0 | 394.5 | 387.3 | 378.0 |
| 90° | 370.8 | 350.2 | 338.9 | 321.4 | 319.3 | 309.0 | 300.8 | 287.4 | 276.0 | 270.9 |
| 92.5° | 315.2 | 293.6 | 281.2 | 267.8 | 261.6 | 258.5 | 247.2 | 237.9 | 233.8 | 228.7 |
| 95° | 271.9 | 254.4 | 243.1 | 233.8 | 229.7 | 225.6 | 218.4 | 213.2 | 207.0 | 203.9 |
| 97.5° | 243.1 | 229.7 | 220.4 | 212.2 | 209.1 | 207.0 | 200.9 | 195.7 | 191.6 | 188.5 |
| 100° | 228.7 | 215.3 | 207.0 | 200.9 | 196.7 | 194.7 | 189.5 | 185.4 | 182.3 | 180.3 |
| 102.5° | 222.5 | 210.1 | 202.9 | 197.8 | 195.7 | 192.6 | 188.5 | 185.4 | 182.3 | 180.3 |
| 105° | 218.4 | 210.1 | 202.9 | 198.8 | 197.8 | 195.7 | 191.6 | 189.5 | 187.5 | 184.4 |
| 107.5° | 218.4 | 198.8 | 194.7 | 198.8 | 198.8 | 196.7 | 193.6 | 191.6 | 189.5 | 187.5 |
| 110° | 237.9 | 217.3 | 203.9 | 192.6 | 187.5 | 184.4 | 181.3 | 183.3 | 185.4 | 182.3 |



TEST NUMBER: P236396

CATALOG NUMBER: SKB4-LD5-24-N-UNV-L850-CD4-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 256.5 | 236.9 | 220.4 | 207.0 | 202.9 | 198.8 | 196.7 | 194.7 | 190.6 | 189.5 |
| 115° | 269.9 | 248.2 | 235.9 | 226.6 | 222.5 | 219.4 | 213.2 | 208.1 | 205.0 | 200.9 |
| 117.5° | 284.3 | 261.6 | 245.1 | 233.8 | 230.7 | 228.7 | 225.6 | 222.5 | 219.4 | 217.3 |
| 120° | 297.7 | 275.0 | 257.5 | 246.2 | 242.1 | 237.9 | 233.8 | 228.7 | 224.5 | 221.5 |
| 122.5° | 309.0 | 288.4 | 270.9 | 257.5 | 254.4 | 250.3 | 244.1 | 239.0 | 233.8 | 231.8 |
| 125° | 326.5 | 301.8 | 283.3 | 270.9 | 266.8 | 263.7 | 256.5 | 251.3 | 245.1 | 242.1 |
| 127.5° | 346.1 | 319.3 | 299.7 | 284.3 | 279.1 | 274.0 | 266.8 | 260.6 | 255.4 | 253.4 |
| 130° | 382.1 | 342.0 | 318.3 | 300.8 | 294.6 | 289.4 | 281.2 | 273.0 | 266.8 | 264.7 |
| 132.5° | 466.6 | 389.3 | 344.0 | 321.4 | 314.2 | 304.9 | 295.6 | 287.4 | 280.2 | 278.1 |
| 135° | 502.6 | 464.5 | 438.8 | 357.4 | 342.0 | 332.7 | 315.2 | 305.9 | 296.6 | 296.6 |
| 137.5° | 490.3 | 494.4 | 484.1 | 452.2 | 443.9 | 433.6 | 371.8 | 339.9 | 327.5 | 324.5 |
| 140° | 501.6 | 487.2 | 475.9 | 494.4 | 490.3 | 483.1 | 448.1 | 436.7 | 429.5 | 425.4 |
| 142.5° | 506.8 | 499.6 | 488.2 | 476.9 | 473.8 | 469.7 | 476.9 | 484.1 | 484.1 | 481.0 |
| 145° | 508.8 | 504.7 | 499.6 | 492.3 | 489.3 | 485.1 | 480.0 | 473.8 | 468.7 | 466.6 |
| 147.5° | 505.7 | 505.7 | 502.6 | 499.6 | 496.5 | 494.4 | 489.3 | 485.1 | 480.0 | 477.9 |
| 150° | 497.5 | 502.6 | 502.6 | 502.6 | 501.6 | 500.6 | 495.4 | 490.3 | 487.2 | 485.1 |
| 152.5° | 479.0 | 490.3 | 496.5 | 498.5 | 499.6 | 501.6 | 501.6 | 500.6 | 497.5 | 495.4 |
| 155° | 451.1 | 466.6 | 476.9 | 483.1 | 485.1 | 486.2 | 489.3 | 488.2 | 487.2 | 485.1 |
| 157.5° | 436.7 | 436.7 | 451.1 | 463.5 | 465.6 | 468.7 | 471.7 | 471.7 | 468.7 | 467.6 |
| 160° | 380.1 | 424.4 | 436.7 | 432.6 | 433.6 | 436.7 | 441.9 | 446.0 | 449.1 | 446.0 |
| 162.5° | 287.4 | 318.3 | 357.4 | 395.5 | 407.9 | 417.2 | 432.6 | 431.6 | 428.5 | 427.5 |
| 165° | 217.3 | 251.3 | 268.8 | 284.3 | 295.6 | 303.9 | 318.3 | 330.6 | 334.8 | 335.8 |
| 167.5° | 123.6 | 151.4 | 180.3 | 202.9 | 212.2 | 224.5 | 229.7 | 241.0 | 244.1 | 239.0 |
| 170° | 68.0 | 74.2 | 81.4 | 92.7 | 94.8 | 103.0 | 112.3 | 129.8 | 132.9 | 124.6 |
| 172.5° | 60.8 | 61.8 | 62.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 60.8 | 57.7 |
| 175° | 54.6 | 55.6 | 55.6 | 56.7 | 56.7 | 56.7 | 55.6 | 53.6 | 50.5 | 48.4 |
| 177.5° | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 51.5 | 48.4 | 45.3 | 43.3 |
| 180° | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |

(END OF REPORT)