

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: P236369

Luminaire Tested: **SKB2-LD5-9-N-UNV-L850-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1710-365-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: SKB2-LD5-9-N-UNV-L850-CD1-U
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE
2 BLADES WITH NARROW DISTRIBUTION LENS, ALL BLADES VERTICAL
Light Source: (476) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

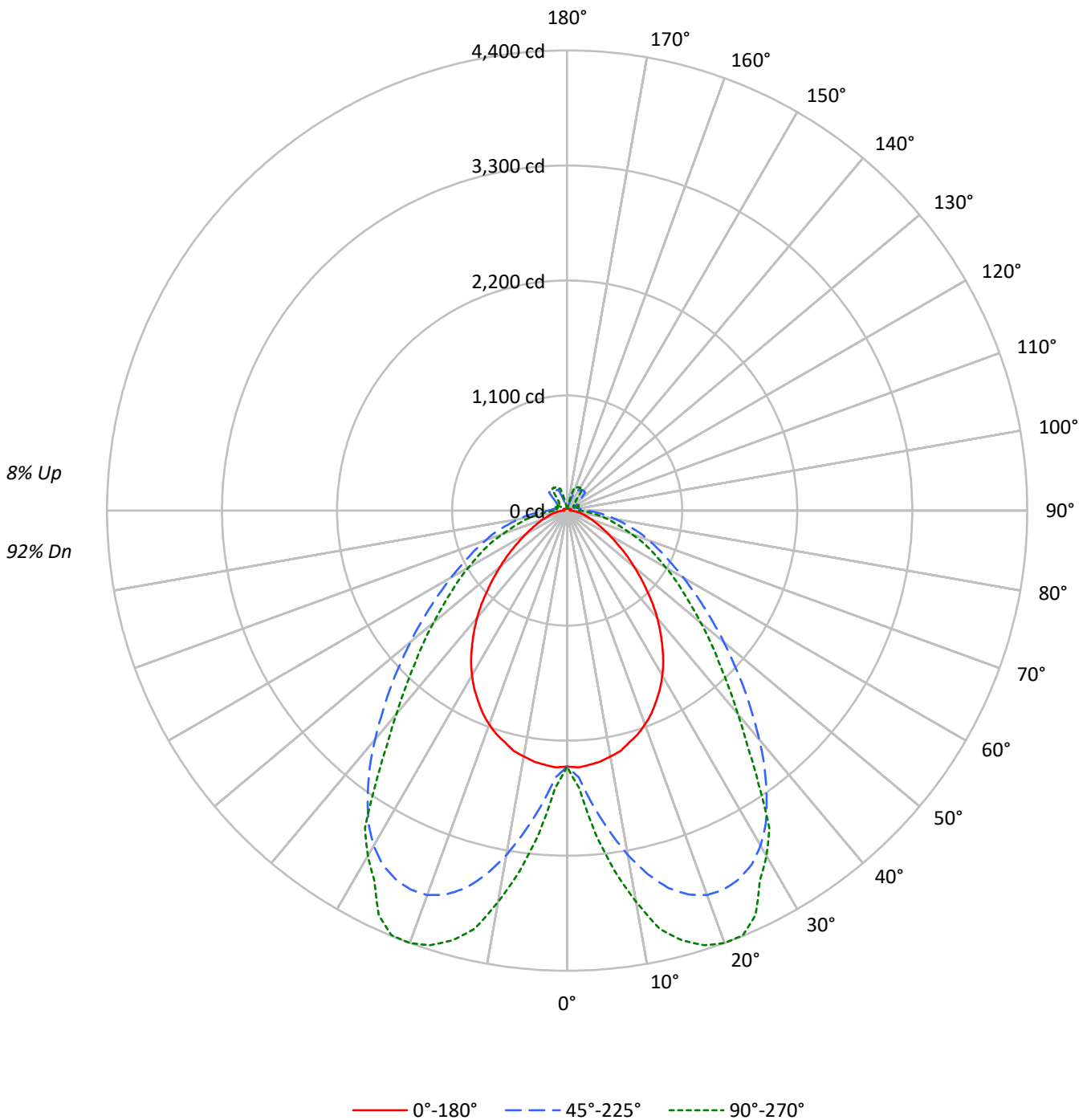
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10159.0 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.63 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 1.25' x L: 2' x H: 0.21')
CIE Type: Direct

Input Watts (W): 75.4
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: P236369
CATALOG NUMBER: SKB2-LD5-9-N-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P236369

CATALOG NUMBER: SKB2-LD5-9-N-UNV-L850-CD1-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 | 95 | 95 | 95 | 92 |
| 1 | 107 | 102 | 98 | 94 | 103 | 99 | 95 | 92 | 93 | 90 | 88 | 88 | 86 | 83 | 83 | 81 | 80 | 77 |
| 2 | 98 | 90 | 83 | 78 | 94 | 87 | 81 | 76 | 82 | 77 | 73 | 78 | 74 | 70 | 74 | 71 | 68 | 65 |
| 3 | 90 | 79 | 72 | 65 | 86 | 77 | 70 | 64 | 73 | 67 | 62 | 69 | 64 | 60 | 66 | 62 | 58 | 56 |
| 4 | 82 | 71 | 62 | 56 | 79 | 69 | 61 | 55 | 65 | 59 | 53 | 62 | 57 | 52 | 59 | 54 | 50 | 48 |
| 5 | 76 | 64 | 55 | 49 | 73 | 62 | 54 | 48 | 59 | 52 | 47 | 56 | 50 | 45 | 54 | 48 | 44 | 42 |
| 6 | 70 | 57 | 49 | 43 | 68 | 56 | 48 | 42 | 53 | 46 | 41 | 51 | 45 | 40 | 49 | 43 | 39 | 37 |
| 7 | 65 | 52 | 44 | 38 | 63 | 51 | 43 | 37 | 49 | 42 | 37 | 47 | 40 | 36 | 45 | 39 | 35 | 33 |
| 8 | 61 | 48 | 39 | 34 | 59 | 47 | 39 | 33 | 45 | 38 | 33 | 43 | 37 | 32 | 41 | 36 | 32 | 30 |
| 9 | 57 | 44 | 36 | 30 | 55 | 43 | 35 | 30 | 41 | 34 | 30 | 40 | 33 | 29 | 38 | 33 | 29 | 27 |
| 10 | 53 | 40 | 33 | 28 | 52 | 40 | 32 | 27 | 38 | 32 | 27 | 37 | 31 | 26 | 35 | 30 | 26 | 24 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|-------|-------|-------|
| 0° | 10537 | 10537 | 10537 |
| 5° | 10450 | 12023 | 13194 |
| 10° | 10250 | 14144 | 16133 |
| 15° | 9951 | 15839 | 18159 |
| 20° | 9608 | 16760 | 19008 |
| 25° | 9114 | 16957 | 18792 |
| 30° | 8530 | 16562 | 17288 |
| 35° | 7780 | 15409 | 15019 |
| 40° | 6926 | 13840 | 12525 |
| 45° | 5935 | 12196 | 10708 |
| 50° | 5002 | 10667 | 9307 |
| 55° | 4132 | 9350 | 8200 |
| 60° | 3381 | 8312 | 7282 |
| 65° | 2813 | 7454 | 6555 |
| 70° | 2410 | 6814 | 5638 |
| 75° | 2109 | 6205 | 4943 |
| 80° | 1878 | 5583 | 4359 |
| 85° | 1626 | 4914 | 3609 |



TEST NUMBER: P236369

CATALOG NUMBER: SKB2-LD5-9-N-UNV-L850-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 280.3 | 2.8 |
| 10°-20° | 1000.5 | 9.8 |
| 20°-30° | 1640.0 | 16.1 |
| 30°-40° | 1832.7 | 18.0 |
| 40°-50° | 1596.7 | 15.7 |
| 50°-60° | 1228.9 | 12.1 |
| 60°-70° | 881.7 | 8.7 |
| 70°-80° | 582.2 | 5.7 |
| 80°-90° | 314.8 | 3.1 |
| 90°-100° | 139.4 | 1.4 |
| 100°-110° | 111.0 | 1.1 |
| 110°-120° | 111.3 | 1.1 |
| 120°-130° | 107.7 | 1.1 |
| 130°-140° | 116.6 | 1.1 |
| 140°-150° | 115.9 | 1.1 |
| 150°-160° | 73.6 | 0.7 |
| 160°-170° | 23.2 | 0.2 |
| 170°-180° | 2.3 | 0.0 |
| 0°-30° | 2920.9 | 28.8 |
| 0°-40° | 4753.6 | 46.8 |
| 0°-60° | 7579.2 | 74.6 |
| 0°-90° | 9357.9 | 92.1 |
| 90°-120° | 361.8 | 3.6 |
| 90°-150° | 701.9 | 6.9 |
| 90°-180° | 801.0 | 7.9 |
| 0°-180° | 10159.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 2447 | 2447 | 2447 | 2447 | 2447 | |
| 5° | 2440 | 2577 | 2828 | 3013 | 3097 | 231 |
| 15° | 2295 | 3002 | 3736 | 4156 | 4256 | 647 |
| 25° | 2012 | 3096 | 3888 | 4230 | 4263 | 925 |
| 35° | 1588 | 2712 | 3325 | 3287 | 3191 | 990 |
| 45° | 1076 | 2030 | 2386 | 2195 | 2052 | 833 |
| 55° | 632 | 1379 | 1586 | 1447 | 1352 | 570 |
| 65° | 338 | 921 | 1032 | 947 | 873 | 340 |
| 75° | 176 | 639 | 640 | 547 | 482 | 189 |
| 85° | 72 | 414 | 317 | 248 | 212 | 68 |
| 90° | 27 | 247 | 181 | 136 | 116 | 18 |
| 95° | 36 | 171 | 137 | 111 | 101 | 29 |
| 105° | 39 | 104 | 114 | 102 | 98 | 41 |
| 115° | 34 | 183 | 77 | 115 | 120 | 35 |
| 125° | 30 | 217 | 120 | 82 | 73 | 27 |
| 135° | 24 | 197 | 244 | 126 | 109 | 19 |
| 145° | 21 | 150 | 242 | 251 | 249 | 13 |
| 155° | 20 | 42 | 219 | 239 | 247 | 9 |
| 165° | 20 | 28 | 52 | 128 | 157 | 6 |
| 175° | 20 | 21 | 24 | 26 | 22 | 2 |
| 180° | 18 | 18 | 18 | 18 | 18 | |



TEST NUMBER: P236369

CATALOG NUMBER: SKB2-LD5-9-N-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 |
| 2.5° | 2457.6 | 2452.4 | 2463.7 | 2474.0 | 2475.1 | 2482.3 | 2481.2 | 2494.6 | 2511.1 | 2531.7 | 2552.3 |
| 5° | 2440.0 | 2443.1 | 2469.9 | 2511.1 | 2546.1 | 2577.0 | 2593.5 | 2650.2 | 2697.5 | 2763.5 | 2828.4 |
| 7.5° | 2421.5 | 2429.7 | 2487.4 | 2566.7 | 2647.1 | 2692.4 | 2733.6 | 2831.4 | 2918.0 | 3009.6 | 3088.9 |
| 10° | 2387.5 | 2407.1 | 2504.9 | 2633.7 | 2759.3 | 2823.2 | 2881.9 | 3001.4 | 3126.0 | 3241.4 | 3344.4 |
| 12.5° | 2354.6 | 2386.5 | 2519.4 | 2686.2 | 2843.8 | 2924.1 | 3001.4 | 3154.9 | 3296.0 | 3443.3 | 3559.6 |
| 15° | 2294.8 | 2350.4 | 2527.6 | 2730.5 | 2920.0 | 3002.4 | 3099.2 | 3276.4 | 3443.3 | 3595.7 | 3735.8 |
| 17.5° | 2243.3 | 2315.4 | 2523.5 | 2753.2 | 2974.6 | 3071.4 | 3168.3 | 3357.8 | 3541.1 | 3715.2 | 3849.1 |
| 20° | 2176.4 | 2268.0 | 2511.1 | 2763.5 | 2996.2 | 3108.5 | 3213.6 | 3417.5 | 3610.1 | 3775.9 | 3912.9 |
| 22.5° | 2103.2 | 2210.4 | 2480.2 | 2747.0 | 2994.2 | 3110.6 | 3224.9 | 3430.9 | 3622.5 | 3788.3 | 3920.1 |
| 25° | 2011.6 | 2143.4 | 2425.6 | 2709.9 | 2966.4 | 3096.2 | 3200.2 | 3405.1 | 3595.7 | 3754.3 | 3888.2 |
| 27.5° | 1922.0 | 2065.1 | 2363.8 | 2654.3 | 2915.9 | 3038.5 | 3141.5 | 3357.8 | 3542.1 | 3691.5 | 3819.2 |
| 30° | 1819.0 | 1974.5 | 2283.5 | 2573.9 | 2835.6 | 2956.1 | 3066.3 | 3267.1 | 3443.3 | 3590.5 | 3699.7 |
| 32.5° | 1710.8 | 1870.5 | 2185.6 | 2469.9 | 2724.3 | 2853.1 | 2953.0 | 3149.7 | 3321.7 | 3442.2 | 3538.0 |
| 35° | 1588.2 | 1762.3 | 2063.1 | 2350.4 | 2594.5 | 2712.0 | 2812.9 | 2997.3 | 3159.0 | 3268.2 | 3324.8 |
| 37.5° | 1461.6 | 1641.8 | 1939.5 | 2206.2 | 2450.3 | 2549.2 | 2647.1 | 2833.5 | 2966.4 | 3062.2 | 3102.3 |
| 40° | 1340.0 | 1508.9 | 1792.2 | 2063.1 | 2285.5 | 2385.5 | 2472.0 | 2640.9 | 2770.7 | 2836.6 | 2858.2 |
| 42.5° | 1211.3 | 1381.2 | 1648.0 | 1900.3 | 2114.6 | 2210.4 | 2296.9 | 2445.2 | 2558.5 | 2617.2 | 2612.1 |
| 45° | 1076.3 | 1247.3 | 1494.5 | 1741.7 | 1945.7 | 2030.1 | 2115.6 | 2243.3 | 2346.3 | 2386.5 | 2386.5 |
| 47.5° | 953.8 | 1109.3 | 1357.5 | 1576.9 | 1772.6 | 1857.1 | 1935.4 | 2054.8 | 2139.3 | 2168.1 | 2157.8 |
| 50° | 839.4 | 984.7 | 1213.3 | 1419.3 | 1609.9 | 1693.3 | 1759.2 | 1876.6 | 1949.8 | 1963.2 | 1956.0 |
| 52.5° | 732.3 | 866.2 | 1081.5 | 1283.4 | 1457.4 | 1530.6 | 1598.5 | 1703.6 | 1763.3 | 1776.7 | 1763.3 |
| 55° | 632.4 | 759.1 | 958.9 | 1150.5 | 1314.3 | 1379.2 | 1448.2 | 1537.8 | 1585.2 | 1589.3 | 1586.2 |
| 57.5° | 540.7 | 664.3 | 851.8 | 1031.0 | 1181.4 | 1248.3 | 1304.0 | 1387.4 | 1417.3 | 1428.6 | 1423.4 |
| 60° | 463.5 | 580.9 | 754.0 | 926.0 | 1066.0 | 1126.8 | 1178.3 | 1236.0 | 1272.0 | 1275.1 | 1285.4 |
| 62.5° | 395.5 | 507.8 | 673.6 | 830.2 | 966.1 | 1017.6 | 1063.0 | 1115.5 | 1141.2 | 1145.3 | 1145.3 |
| 65° | 337.8 | 443.9 | 603.6 | 746.7 | 872.4 | 920.8 | 956.9 | 1005.3 | 1021.8 | 1021.8 | 1032.1 |
| 67.5° | 288.4 | 391.4 | 540.7 | 681.9 | 795.2 | 832.2 | 869.3 | 903.3 | 909.5 | 921.8 | 929.1 |
| 70° | 246.2 | 347.1 | 487.2 | 624.2 | 722.0 | 762.2 | 790.0 | 809.6 | 823.0 | 823.0 | 826.1 |
| 72.5° | 208.1 | 305.9 | 440.8 | 572.7 | 666.4 | 695.2 | 714.8 | 736.4 | 741.6 | 740.6 | 742.6 |
| 75° | 176.1 | 271.9 | 404.8 | 521.2 | 610.8 | 638.6 | 654.0 | 668.5 | 665.4 | 659.2 | 639.6 |
| 77.5° | 148.3 | 241.0 | 372.9 | 485.1 | 560.3 | 589.2 | 600.5 | 605.6 | 589.2 | 568.6 | 550.0 |
| 80° | 120.5 | 212.2 | 337.8 | 443.9 | 515.0 | 537.7 | 543.8 | 525.3 | 506.8 | 490.3 | 469.7 |
| 82.5° | 94.8 | 185.4 | 308.0 | 407.9 | 466.6 | 473.8 | 475.9 | 456.3 | 439.8 | 419.2 | 398.6 |
| 85° | 72.1 | 159.6 | 274.0 | 359.5 | 404.8 | 414.1 | 411.0 | 388.3 | 363.6 | 340.9 | 317.2 |
| 87.5° | 48.4 | 130.8 | 232.8 | 303.8 | 337.8 | 338.9 | 331.7 | 311.1 | 291.5 | 268.8 | 244.1 |
| 90° | 26.8 | 91.7 | 172.0 | 221.4 | 249.3 | 247.2 | 249.3 | 232.8 | 217.3 | 199.8 | 181.3 |
| 92.5° | 30.9 | 70.0 | 124.6 | 175.1 | 205.0 | 208.1 | 210.1 | 198.8 | 185.4 | 172.0 | 154.5 |
| 95° | 36.0 | 61.8 | 87.5 | 131.8 | 162.7 | 171.0 | 173.0 | 169.9 | 162.7 | 152.4 | 137.0 |
| 97.5° | 37.1 | 63.9 | 90.6 | 92.7 | 131.8 | 142.1 | 148.3 | 147.3 | 141.1 | 132.9 | 125.7 |
| 100° | 38.1 | 69.0 | 104.0 | 99.9 | 94.8 | 111.2 | 122.6 | 131.8 | 130.8 | 124.6 | 115.4 |
| 102.5° | 39.1 | 72.1 | 120.5 | 115.4 | 98.9 | 88.6 | 91.7 | 115.4 | 121.5 | 119.5 | 114.3 |
| 105° | 39.1 | 74.2 | 124.6 | 134.9 | 114.3 | 104.0 | 92.7 | 91.7 | 108.1 | 115.4 | 114.3 |
| 107.5° | 39.1 | 72.1 | 127.7 | 157.6 | 133.9 | 120.5 | 109.2 | 86.5 | 80.3 | 105.1 | 111.2 |
| 110° | 38.1 | 69.0 | 130.8 | 175.1 | 151.4 | 139.0 | 125.7 | 99.9 | 82.4 | 72.1 | 104.0 |



TEST NUMBER: P236369

CATALOG NUMBER: SKB2-LD5-9-N-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 36.0 | 59.7 | 130.8 | 174.1 | 177.2 | 156.6 | 142.1 | 115.4 | 92.7 | 79.3 | 69.0 |
| 115° | 34.0 | 51.5 | 128.7 | 174.1 | 209.1 | 183.3 | 157.6 | 131.8 | 107.1 | 89.6 | 77.2 |
| 117.5° | 34.0 | 46.3 | 128.7 | 175.1 | 209.1 | 221.4 | 188.5 | 147.3 | 120.5 | 102.0 | 85.5 |
| 120° | 33.0 | 42.2 | 125.7 | 175.1 | 209.1 | 221.4 | 231.7 | 166.9 | 134.9 | 114.3 | 98.9 |
| 122.5° | 30.9 | 38.1 | 117.4 | 172.0 | 207.0 | 219.4 | 228.7 | 202.9 | 152.4 | 127.7 | 109.2 |
| 125° | 29.9 | 34.0 | 97.8 | 168.9 | 203.9 | 217.3 | 227.6 | 241.0 | 176.1 | 140.1 | 120.5 |
| 127.5° | 28.8 | 31.9 | 81.4 | 169.9 | 199.8 | 213.2 | 224.5 | 239.0 | 232.8 | 160.7 | 134.9 |
| 130° | 26.8 | 30.9 | 65.9 | 165.8 | 194.7 | 208.1 | 220.4 | 234.8 | 243.1 | 211.1 | 154.5 |
| 132.5° | 24.7 | 28.8 | 52.5 | 147.3 | 189.5 | 202.9 | 214.2 | 231.7 | 241.0 | 245.1 | 193.6 |
| 135° | 23.7 | 26.8 | 40.2 | 123.6 | 187.5 | 196.7 | 208.1 | 228.7 | 240.0 | 245.1 | 244.1 |
| 137.5° | 22.7 | 26.8 | 36.0 | 97.8 | 187.5 | 194.7 | 201.9 | 221.4 | 235.9 | 244.1 | 244.1 |
| 140° | 21.6 | 25.7 | 29.9 | 75.2 | 171.0 | 195.7 | 198.8 | 216.3 | 231.7 | 242.0 | 247.2 |
| 142.5° | 21.6 | 24.7 | 28.8 | 58.7 | 138.0 | 182.3 | 198.8 | 209.1 | 225.6 | 239.0 | 246.2 |
| 145° | 20.6 | 23.7 | 27.8 | 43.3 | 105.1 | 150.4 | 190.5 | 205.0 | 218.4 | 231.7 | 242.0 |
| 147.5° | 20.6 | 22.7 | 26.8 | 35.0 | 79.3 | 115.4 | 156.6 | 208.1 | 212.2 | 224.5 | 234.8 |
| 150° | 19.6 | 22.7 | 26.8 | 28.8 | 58.7 | 82.4 | 117.4 | 189.5 | 213.2 | 216.3 | 227.6 |
| 152.5° | 19.6 | 21.6 | 26.8 | 28.8 | 42.2 | 59.7 | 83.4 | 143.2 | 199.8 | 217.3 | 219.4 |
| 155° | 19.6 | 21.6 | 25.7 | 27.8 | 33.0 | 42.2 | 56.6 | 102.0 | 157.6 | 209.1 | 219.4 |
| 157.5° | 19.6 | 21.6 | 24.7 | 27.8 | 28.8 | 31.9 | 40.2 | 66.9 | 111.2 | 158.6 | 201.9 |
| 160° | 19.6 | 20.6 | 24.7 | 26.8 | 28.8 | 28.8 | 29.9 | 46.3 | 69.0 | 105.1 | 141.1 |
| 162.5° | 19.6 | 20.6 | 22.7 | 25.7 | 27.8 | 28.8 | 28.8 | 30.9 | 44.3 | 63.9 | 89.6 |
| 165° | 19.6 | 20.6 | 22.7 | 24.7 | 26.8 | 27.8 | 28.8 | 29.9 | 29.9 | 37.1 | 52.5 |
| 167.5° | 19.6 | 19.6 | 21.6 | 23.7 | 25.7 | 26.8 | 26.8 | 28.8 | 28.8 | 29.9 | 30.9 |
| 170° | 19.6 | 19.6 | 20.6 | 22.7 | 23.7 | 24.7 | 25.7 | 26.8 | 27.8 | 28.8 | 28.8 |
| 172.5° | 19.6 | 19.6 | 20.6 | 20.6 | 21.6 | 22.7 | 22.7 | 23.7 | 25.7 | 25.7 | 26.8 |
| 175° | 19.6 | 19.6 | 19.6 | 19.6 | 20.6 | 20.6 | 20.6 | 21.6 | 21.6 | 22.7 | 23.7 |
| 177.5° | 18.5 | 18.5 | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 19.6 | 20.6 |
| 180° | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |



TEST NUMBER: P236369

CATALOG NUMBER: SKB2-LD5-9-N-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 | 2447.3 |
| 2.5° | 2587.3 | 2585.3 | 2604.8 | 2632.7 | 2627.5 | 2638.8 | 2654.3 | 2670.8 | 2672.8 | 2658.4 |
| 5° | 2873.7 | 2906.6 | 2956.1 | 2992.1 | 3012.7 | 3022.0 | 3049.8 | 3066.3 | 3058.0 | 3097.2 |
| 7.5° | 3185.8 | 3235.2 | 3298.0 | 3356.7 | 3380.4 | 3387.6 | 3414.4 | 3460.8 | 3456.6 | 3475.2 |
| 10° | 3450.5 | 3522.6 | 3602.9 | 3679.1 | 3700.8 | 3724.4 | 3765.6 | 3795.5 | 3806.8 | 3798.6 |
| 12.5° | 3682.2 | 3778.0 | 3854.2 | 3919.1 | 3961.3 | 4002.5 | 4038.6 | 4066.4 | 4091.1 | 4097.3 |
| 15° | 3861.4 | 3956.2 | 4044.8 | 4128.2 | 4156.0 | 4178.7 | 4225.0 | 4249.7 | 4251.8 | 4255.9 |
| 17.5° | 3975.8 | 4060.2 | 4146.7 | 4217.8 | 4250.8 | 4272.4 | 4309.5 | 4340.4 | 4349.7 | 4357.9 |
| 20° | 4031.4 | 4108.6 | 4192.1 | 4258.0 | 4292.0 | 4312.6 | 4350.7 | 4371.3 | 4386.7 | 4400.1 |
| 22.5° | 4034.5 | 4114.8 | 4197.2 | 4261.1 | 4290.9 | 4314.6 | 4350.7 | 4374.4 | 4386.7 | 4393.9 |
| 25° | 3991.2 | 4073.6 | 4156.0 | 4201.3 | 4230.2 | 4251.8 | 4260.0 | 4257.0 | 4254.9 | 4263.1 |
| 27.5° | 3911.9 | 3979.9 | 4030.4 | 4048.9 | 4040.7 | 4042.7 | 4024.2 | 4002.5 | 3994.3 | 3990.2 |
| 30° | 3771.8 | 3819.2 | 3821.3 | 3819.2 | 3807.9 | 3814.1 | 3798.6 | 3792.4 | 3806.8 | 3812.0 |
| 32.5° | 3579.2 | 3595.7 | 3606.0 | 3581.3 | 3581.3 | 3580.2 | 3586.4 | 3571.0 | 3579.2 | 3597.8 |
| 35° | 3358.8 | 3336.1 | 3335.1 | 3299.1 | 3286.7 | 3280.5 | 3245.5 | 3217.7 | 3199.2 | 3190.9 |
| 37.5° | 3098.2 | 3068.3 | 3059.1 | 3013.8 | 2996.2 | 2978.7 | 2924.1 | 2873.7 | 2845.9 | 2830.4 |
| 40° | 2845.9 | 2812.9 | 2792.3 | 2736.7 | 2709.9 | 2690.3 | 2643.0 | 2584.2 | 2572.9 | 2540.0 |
| 42.5° | 2593.5 | 2578.1 | 2522.4 | 2484.3 | 2441.1 | 2412.2 | 2365.9 | 2326.7 | 2294.8 | 2280.4 |
| 45° | 2373.1 | 2335.0 | 2286.6 | 2224.8 | 2194.9 | 2166.1 | 2116.6 | 2082.6 | 2066.2 | 2051.7 |
| 47.5° | 2144.4 | 2107.4 | 2066.2 | 2007.5 | 1983.8 | 1959.0 | 1916.8 | 1881.8 | 1865.3 | 1858.1 |
| 50° | 1940.5 | 1905.5 | 1864.3 | 1795.3 | 1780.9 | 1755.1 | 1717.0 | 1692.3 | 1672.7 | 1665.5 |
| 52.5° | 1744.8 | 1718.0 | 1672.7 | 1622.2 | 1608.8 | 1580.0 | 1551.2 | 1520.3 | 1510.0 | 1497.6 |
| 55° | 1573.8 | 1540.9 | 1507.9 | 1467.7 | 1447.1 | 1429.6 | 1398.7 | 1369.9 | 1364.7 | 1352.4 |
| 57.5° | 1421.4 | 1388.4 | 1351.3 | 1315.3 | 1306.0 | 1290.6 | 1257.6 | 1240.1 | 1221.6 | 1220.5 |
| 60° | 1266.9 | 1249.4 | 1223.6 | 1191.7 | 1182.4 | 1163.9 | 1133.0 | 1109.3 | 1092.8 | 1089.7 |
| 62.5° | 1138.1 | 1123.7 | 1098.0 | 1069.1 | 1057.8 | 1043.4 | 1017.6 | 990.9 | 980.6 | 974.4 |
| 65° | 1026.9 | 1009.4 | 985.7 | 963.0 | 946.6 | 943.5 | 913.6 | 889.9 | 876.5 | 873.4 |
| 67.5° | 915.7 | 909.5 | 889.9 | 868.3 | 854.9 | 838.4 | 813.7 | 787.9 | 774.6 | 766.3 |
| 70° | 823.0 | 811.6 | 786.9 | 754.0 | 739.5 | 730.3 | 694.2 | 672.6 | 660.2 | 653.0 |
| 72.5° | 726.1 | 706.6 | 676.7 | 648.9 | 634.5 | 622.1 | 598.4 | 577.8 | 568.6 | 560.3 |
| 75° | 622.1 | 605.6 | 581.9 | 561.3 | 546.9 | 537.7 | 518.1 | 497.5 | 487.2 | 482.0 |
| 77.5° | 536.6 | 518.1 | 505.7 | 485.1 | 470.7 | 459.4 | 441.9 | 423.3 | 418.2 | 412.0 |
| 80° | 455.3 | 440.8 | 427.4 | 406.8 | 393.5 | 384.2 | 366.7 | 350.2 | 340.9 | 342.0 |
| 82.5° | 374.9 | 360.5 | 343.0 | 325.5 | 317.2 | 306.9 | 293.5 | 282.2 | 279.1 | 272.9 |
| 85° | 297.7 | 284.3 | 270.9 | 255.4 | 248.2 | 242.0 | 228.7 | 220.4 | 214.2 | 212.2 |
| 87.5° | 229.7 | 216.3 | 203.9 | 191.6 | 187.5 | 181.3 | 171.0 | 167.9 | 162.7 | 157.6 |
| 90° | 165.8 | 156.6 | 147.3 | 140.1 | 136.0 | 131.8 | 126.7 | 123.6 | 118.4 | 116.4 |
| 92.5° | 142.1 | 131.8 | 125.7 | 119.5 | 118.4 | 115.4 | 111.2 | 108.1 | 105.1 | 103.0 |
| 95° | 126.7 | 120.5 | 116.4 | 112.3 | 111.2 | 109.2 | 106.1 | 105.1 | 103.0 | 100.9 |
| 97.5° | 118.4 | 113.3 | 110.2 | 108.1 | 108.1 | 107.1 | 106.1 | 104.0 | 103.0 | 102.0 |
| 100° | 109.2 | 103.0 | 103.0 | 104.0 | 104.0 | 104.0 | 104.0 | 104.0 | 103.0 | 102.0 |
| 102.5° | 108.1 | 103.0 | 102.0 | 99.9 | 99.9 | 97.8 | 97.8 | 96.8 | 95.8 | 94.8 |
| 105° | 110.2 | 107.1 | 104.0 | 103.0 | 102.0 | 102.0 | 99.9 | 98.9 | 97.8 | 97.8 |
| 107.5° | 112.3 | 111.2 | 110.2 | 108.1 | 108.1 | 108.1 | 106.1 | 106.1 | 105.1 | 103.0 |
| 110° | 110.2 | 112.3 | 113.3 | 113.3 | 113.3 | 113.3 | 113.3 | 113.3 | 111.2 | 111.2 |



TEST NUMBER: P236369

CATALOG NUMBER: SKB2-LD5-9-N-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 103.0 | 109.2 | 113.3 | 117.4 | 117.4 | 118.4 | 118.4 | 118.4 | 118.4 | 117.4 |
| 115° | 70.0 | 73.1 | 109.2 | 114.3 | 115.4 | 117.4 | 119.5 | 121.5 | 121.5 | 120.5 |
| 117.5° | 78.3 | 71.1 | 66.9 | 64.9 | 89.6 | 104.0 | 117.4 | 121.5 | 120.5 | 120.5 |
| 120° | 86.5 | 78.3 | 73.1 | 69.0 | 69.0 | 66.9 | 65.9 | 65.9 | 65.9 | 70.0 |
| 122.5° | 97.8 | 87.5 | 79.3 | 75.2 | 74.2 | 73.1 | 72.1 | 70.0 | 69.0 | 68.0 |
| 125° | 108.1 | 98.9 | 90.6 | 83.4 | 82.4 | 80.3 | 78.3 | 76.2 | 75.2 | 73.1 |
| 127.5° | 118.4 | 108.1 | 100.9 | 95.8 | 93.7 | 92.7 | 86.5 | 84.5 | 81.4 | 81.4 |
| 130° | 132.9 | 119.5 | 110.2 | 105.1 | 102.0 | 100.9 | 97.8 | 95.8 | 93.7 | 92.7 |
| 132.5° | 151.4 | 133.9 | 123.6 | 116.4 | 113.3 | 111.2 | 107.1 | 104.0 | 100.9 | 100.9 |
| 135° | 197.8 | 156.6 | 139.0 | 129.8 | 125.7 | 123.6 | 118.4 | 114.3 | 110.2 | 109.2 |
| 137.5° | 243.1 | 223.5 | 167.9 | 149.3 | 144.2 | 139.0 | 131.8 | 126.7 | 122.6 | 122.6 |
| 140° | 246.2 | 245.1 | 245.1 | 200.8 | 182.3 | 171.0 | 153.5 | 145.2 | 141.1 | 137.0 |
| 142.5° | 248.2 | 249.3 | 246.2 | 248.2 | 249.3 | 248.2 | 239.0 | 210.1 | 191.6 | 190.5 |
| 145° | 247.2 | 250.3 | 250.3 | 250.3 | 251.3 | 251.3 | 250.3 | 251.3 | 248.2 | 249.3 |
| 147.5° | 244.1 | 248.2 | 251.3 | 254.4 | 252.3 | 254.4 | 255.4 | 255.4 | 254.4 | 254.4 |
| 150° | 235.9 | 244.1 | 249.3 | 252.3 | 251.3 | 252.3 | 252.3 | 253.4 | 250.3 | 250.3 |
| 152.5° | 227.6 | 235.9 | 242.0 | 248.2 | 248.2 | 250.3 | 250.3 | 250.3 | 249.3 | 249.3 |
| 155° | 218.4 | 224.5 | 231.7 | 237.9 | 239.0 | 241.0 | 244.1 | 245.1 | 247.2 | 247.2 |
| 157.5° | 219.4 | 219.4 | 221.4 | 225.6 | 226.6 | 228.7 | 230.7 | 232.8 | 233.8 | 234.8 |
| 160° | 178.2 | 210.1 | 220.4 | 225.6 | 223.5 | 221.4 | 220.4 | 222.5 | 220.4 | 222.5 |
| 162.5° | 120.5 | 140.1 | 168.9 | 192.6 | 203.9 | 212.2 | 215.3 | 218.4 | 219.4 | 221.4 |
| 165° | 65.9 | 82.4 | 102.0 | 124.6 | 127.7 | 132.9 | 142.1 | 148.3 | 158.6 | 156.6 |
| 167.5° | 34.0 | 45.3 | 52.5 | 58.7 | 62.8 | 65.9 | 78.3 | 81.4 | 79.3 | 84.5 |
| 170° | 29.9 | 29.9 | 30.9 | 30.9 | 31.9 | 33.0 | 34.0 | 40.2 | 37.1 | 35.0 |
| 172.5° | 27.8 | 27.8 | 28.8 | 28.8 | 29.9 | 29.9 | 28.8 | 27.8 | 26.8 | 25.7 |
| 175° | 23.7 | 24.7 | 25.7 | 25.7 | 25.7 | 26.8 | 25.7 | 24.7 | 23.7 | 21.6 |
| 177.5° | 20.6 | 20.6 | 20.6 | 21.6 | 21.6 | 21.6 | 20.6 | 19.6 | 18.5 | 17.5 |
| 180° | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |

(END OF REPORT)