

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: P236371

Luminaire Tested: **SKB2-LD5-12-N-UNV-L840-CD2-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P236371
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-LD5-12-N-UNV-L840-CD2-U
Description: METALUX SKYBAR LED WAVESTREAM LUMINAIRE
2 BLADES WITH NARROW DISTRIBUTION LENS, ALL BLADES VERTICAL
Light Source: (476) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

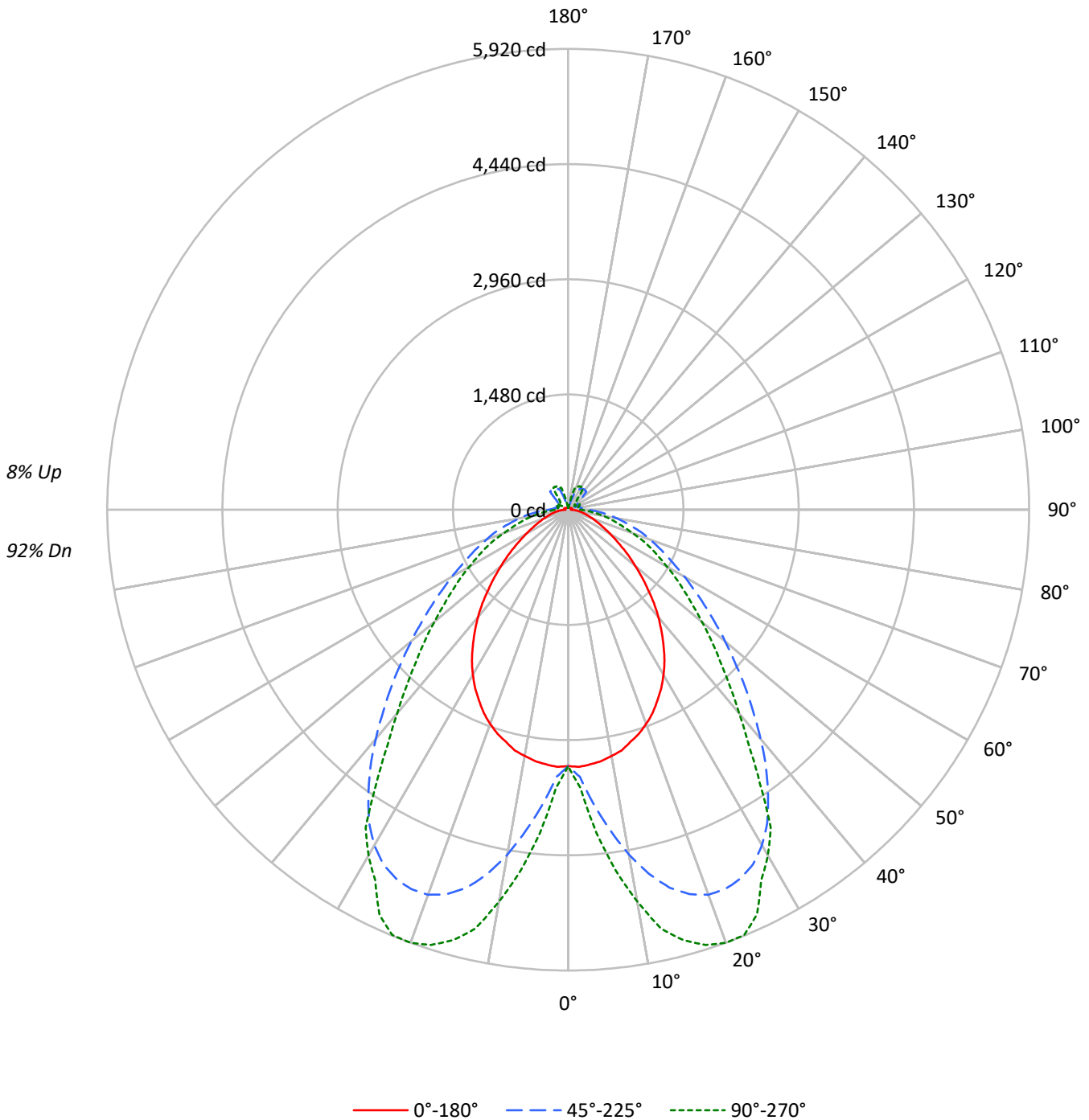
Lumens per Lamp: N/A
Luminaire Lumens: 13668.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.63 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 1.25' x L: 2' x H: 0.21')
CIE Type: Direct

Input Watts (W): 104.9
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: P236371

CATALOG NUMBER: SKB2-LD5-12-N-UNV-L840-CD2-U

Luminous Intensity Polar Plot





TEST NUMBER: P236371

CATALOG NUMBER: SKB2-LD5-12-N-UNV-L840-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 | 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° | 14177 | 14177 | 14177 |
| 5° | 14061 | 16176 | 17751 |
| 10° | 13790 | 19030 | 21706 |
| 15° | 13389 | 21310 | 24432 |
| 20° | 12926 | 22550 | 25573 |
| 25° | 12262 | 22814 | 25283 |
| 30° | 11476 | 22283 | 23260 |
| 35° | 10468 | 20732 | 20207 |
| 40° | 9319 | 18621 | 16850 |
| 45° | 7986 | 16408 | 14407 |
| 50° | 6730 | 14352 | 12522 |
| 55° | 5560 | 12579 | 11032 |
| 60° | 4549 | 11183 | 9797 |
| 65° | 3785 | 10028 | 8819 |
| 70° | 3242 | 9167 | 7586 |
| 75° | 2839 | 8349 | 6651 |
| 80° | 2527 | 7511 | 5865 |
| 85° | 2187 | 6612 | 4855 |



TEST NUMBER: P236371

CATALOG NUMBER: SKB2-LD5-12-N-UNV-L840-CD2-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 377.2 | 2.8 |
| 10°-20° | 1346.1 | 9.8 |
| 20°-30° | 2206.5 | 16.1 |
| 30°-40° | 2465.8 | 18.0 |
| 40°-50° | 2148.2 | 15.7 |
| 50°-60° | 1653.4 | 12.1 |
| 60°-70° | 1186.2 | 8.7 |
| 70°-80° | 783.3 | 5.7 |
| 80°-90° | 423.5 | 3.1 |
| 90°-100° | 187.5 | 1.4 |
| 100°-110° | 149.4 | 1.1 |
| 110°-120° | 149.8 | 1.1 |
| 120°-130° | 144.9 | 1.1 |
| 130°-140° | 156.9 | 1.1 |
| 140°-150° | 155.9 | 1.1 |
| 150°-160° | 99.0 | 0.7 |
| 160°-170° | 31.3 | 0.2 |
| 170°-180° | 3.2 | 0.0 |
| 0°-30° | 3929.8 | 28.8 |
| 0°-40° | 6395.5 | 46.8 |
| 0°-60° | 10197.1 | 74.6 |
| 0°-90° | 12590.2 | 92.1 |
| 90°-120° | 486.7 | 3.6 |
| 90°-150° | 944.4 | 6.9 |
| 90°-180° | 1078.0 | 7.9 |
| 0°-180° | 13668.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 3293 | 3293 | 3293 | 3293 | 3293 | |
| 5° | 3283 | 3467 | 3805 | 4053 | 4167 | 311 |
| 15° | 3088 | 4040 | 5026 | 5592 | 5726 | 871 |
| 25° | 2706 | 4166 | 5231 | 5691 | 5736 | 1244 |
| 35° | 2137 | 3649 | 4473 | 4422 | 4293 | 1332 |
| 45° | 1448 | 2731 | 3211 | 2953 | 2760 | 1121 |
| 55° | 851 | 1856 | 2134 | 1947 | 1820 | 767 |
| 65° | 454 | 1239 | 1388 | 1274 | 1175 | 458 |
| 75° | 237 | 859 | 861 | 736 | 648 | 254 |
| 85° | 97 | 557 | 427 | 334 | 286 | 92 |
| 90° | 36 | 333 | 244 | 183 | 157 | 24 |
| 95° | 48 | 230 | 184 | 150 | 136 | 39 |
| 105° | 53 | 140 | 154 | 137 | 132 | 55 |
| 115° | 46 | 247 | 104 | 155 | 162 | 47 |
| 125° | 40 | 292 | 162 | 111 | 98 | 36 |
| 135° | 32 | 265 | 328 | 169 | 147 | 25 |
| 145° | 28 | 202 | 326 | 338 | 335 | 18 |
| 155° | 26 | 57 | 295 | 322 | 333 | 12 |
| 165° | 26 | 37 | 71 | 172 | 211 | 7 |
| 175° | 26 | 28 | 32 | 35 | 29 | 2 |
| 180° | 25 | 25 | 25 | 25 | 25 | |



TEST NUMBER: P236371

CATALOG NUMBER: SKB2-LD5-12-N-UNV-L840-CD2-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 |
| 2.5° | 3306.4 | 3299.5 | 3314.7 | 3328.6 | 3330.0 | 3339.7 | 3338.3 | 3356.3 | 3378.5 | 3406.2 | 3433.9 |
| 5° | 3282.9 | 3287.0 | 3323.0 | 3378.5 | 3425.6 | 3467.2 | 3489.3 | 3565.6 | 3629.3 | 3718.0 | 3805.3 |
| 7.5° | 3257.9 | 3269.0 | 3346.6 | 3453.3 | 3561.4 | 3622.4 | 3677.8 | 3809.4 | 3925.9 | 4049.2 | 4155.9 |
| 10° | 3212.2 | 3238.5 | 3370.2 | 3543.4 | 3712.4 | 3798.4 | 3877.3 | 4038.1 | 4205.8 | 4361.0 | 4499.6 |
| 12.5° | 3167.8 | 3210.8 | 3389.6 | 3614.1 | 3826.1 | 3934.2 | 4038.1 | 4244.6 | 4434.4 | 4632.6 | 4789.2 |
| 15° | 3087.5 | 3162.3 | 3400.6 | 3673.6 | 3928.6 | 4039.5 | 4169.7 | 4408.1 | 4632.6 | 4837.7 | 5026.1 |
| 17.5° | 3018.2 | 3115.2 | 3395.1 | 3704.1 | 4002.1 | 4132.3 | 4262.6 | 4517.6 | 4764.2 | 4998.4 | 5178.6 |
| 20° | 2928.1 | 3051.4 | 3378.5 | 3718.0 | 4031.2 | 4182.2 | 4323.6 | 4597.9 | 4857.1 | 5080.2 | 5264.5 |
| 22.5° | 2829.7 | 2973.8 | 3336.9 | 3695.8 | 4028.4 | 4185.0 | 4338.8 | 4616.0 | 4873.7 | 5096.8 | 5274.2 |
| 25° | 2706.4 | 2883.8 | 3263.5 | 3645.9 | 3991.0 | 4165.6 | 4305.5 | 4581.3 | 4837.7 | 5051.1 | 5231.2 |
| 27.5° | 2585.8 | 2778.4 | 3180.3 | 3571.1 | 3923.1 | 4088.0 | 4226.6 | 4517.6 | 4765.6 | 4966.6 | 5138.4 |
| 30° | 2447.2 | 2656.5 | 3072.2 | 3463.0 | 3815.0 | 3977.1 | 4125.4 | 4395.6 | 4632.6 | 4830.8 | 4977.6 |
| 32.5° | 2301.7 | 2516.5 | 2940.6 | 3323.0 | 3665.3 | 3838.5 | 3973.0 | 4237.6 | 4469.1 | 4631.2 | 4760.1 |
| 35° | 2136.8 | 2371.0 | 2775.7 | 3162.3 | 3490.7 | 3648.7 | 3784.5 | 4032.6 | 4250.1 | 4397.0 | 4473.2 |
| 37.5° | 1966.4 | 2208.9 | 2609.4 | 2968.3 | 3296.7 | 3429.8 | 3561.4 | 3812.2 | 3991.0 | 4119.9 | 4173.9 |
| 40° | 1802.9 | 2030.1 | 2411.2 | 2775.7 | 3075.0 | 3209.4 | 3325.8 | 3553.1 | 3727.7 | 3816.4 | 3845.5 |
| 42.5° | 1629.7 | 1858.3 | 2217.2 | 2556.7 | 2845.0 | 2973.8 | 3090.2 | 3289.8 | 3442.2 | 3521.2 | 3514.3 |
| 45° | 1448.1 | 1678.2 | 2010.7 | 2343.3 | 2617.7 | 2731.3 | 2846.3 | 3018.2 | 3156.8 | 3210.8 | 3210.8 |
| 47.5° | 1283.2 | 1492.5 | 1826.4 | 2121.6 | 2384.9 | 2498.5 | 2603.8 | 2764.6 | 2878.2 | 2917.0 | 2903.2 |
| 50° | 1129.4 | 1324.8 | 1632.4 | 1909.6 | 2165.9 | 2278.2 | 2366.9 | 2524.9 | 2623.2 | 2641.3 | 2631.6 |
| 52.5° | 985.3 | 1165.4 | 1455.0 | 1726.7 | 1960.8 | 2059.2 | 2150.7 | 2292.0 | 2372.4 | 2390.4 | 2372.4 |
| 55° | 850.9 | 1021.3 | 1290.1 | 1547.9 | 1768.2 | 1855.5 | 1948.4 | 2068.9 | 2132.7 | 2138.2 | 2134.1 |
| 57.5° | 727.5 | 893.8 | 1146.0 | 1387.1 | 1589.5 | 1679.5 | 1754.4 | 1866.6 | 1906.8 | 1922.0 | 1915.1 |
| 60° | 623.6 | 781.6 | 1014.4 | 1245.8 | 1434.3 | 1516.0 | 1585.3 | 1662.9 | 1711.4 | 1715.6 | 1729.4 |
| 62.5° | 532.1 | 683.2 | 906.3 | 1116.9 | 1299.8 | 1369.1 | 1430.1 | 1500.8 | 1535.4 | 1541.0 | 1541.0 |
| 65° | 454.5 | 597.3 | 812.1 | 1004.7 | 1173.7 | 1238.9 | 1287.4 | 1352.5 | 1374.7 | 1374.7 | 1388.5 |
| 67.5° | 388.0 | 526.6 | 727.5 | 917.4 | 1069.8 | 1119.7 | 1169.6 | 1215.3 | 1223.6 | 1240.3 | 1250.0 |
| 70° | 331.2 | 467.0 | 655.5 | 839.8 | 971.4 | 1025.5 | 1062.9 | 1089.2 | 1107.2 | 1107.2 | 1111.4 |
| 72.5° | 279.9 | 411.6 | 593.1 | 770.5 | 896.6 | 935.4 | 961.7 | 990.8 | 997.7 | 996.4 | 999.1 |
| 75° | 237.0 | 365.8 | 544.6 | 701.2 | 821.8 | 859.2 | 880.0 | 899.4 | 895.2 | 886.9 | 860.6 |
| 77.5° | 199.5 | 324.3 | 501.6 | 652.7 | 753.9 | 792.7 | 807.9 | 814.8 | 792.7 | 764.9 | 740.0 |
| 80° | 162.1 | 285.5 | 454.5 | 597.3 | 692.9 | 723.4 | 731.7 | 706.7 | 681.8 | 659.6 | 631.9 |
| 82.5° | 127.5 | 249.4 | 414.3 | 548.8 | 627.7 | 637.4 | 640.2 | 613.9 | 591.7 | 564.0 | 536.3 |
| 85° | 97.0 | 214.8 | 368.6 | 483.6 | 544.6 | 557.1 | 552.9 | 522.4 | 489.2 | 458.7 | 426.8 |
| 87.5° | 65.1 | 176.0 | 313.2 | 408.8 | 454.5 | 455.9 | 446.2 | 418.5 | 392.2 | 361.7 | 328.4 |
| 90° | 36.0 | 123.3 | 231.4 | 297.9 | 335.4 | 332.6 | 335.4 | 313.2 | 292.4 | 268.8 | 243.9 |
| 92.5° | 41.6 | 94.2 | 167.7 | 235.6 | 275.8 | 279.9 | 282.7 | 267.5 | 249.4 | 231.4 | 207.9 |
| 95° | 48.5 | 83.1 | 117.8 | 177.4 | 218.9 | 230.0 | 232.8 | 228.7 | 218.9 | 205.1 | 184.3 |
| 97.5° | 49.9 | 85.9 | 121.9 | 124.7 | 177.4 | 191.2 | 199.5 | 198.2 | 189.8 | 178.8 | 169.1 |
| 100° | 51.3 | 92.8 | 140.0 | 134.4 | 127.5 | 149.7 | 164.9 | 177.4 | 176.0 | 167.7 | 155.2 |
| 102.5° | 52.7 | 97.0 | 162.1 | 155.2 | 133.0 | 119.2 | 123.3 | 155.2 | 163.5 | 160.7 | 153.8 |
| 105° | 52.7 | 99.8 | 167.7 | 181.5 | 153.8 | 140.0 | 124.7 | 123.3 | 145.5 | 155.2 | 153.8 |
| 107.5° | 52.7 | 97.0 | 171.8 | 212.0 | 180.1 | 162.1 | 146.9 | 116.4 | 108.1 | 141.3 | 149.7 |
| 110° | 51.3 | 92.8 | 176.0 | 235.6 | 203.7 | 187.1 | 169.1 | 134.4 | 110.9 | 97.0 | 140.0 |



TEST NUMBER: P236371

CATALOG NUMBER: SKB2-LD5-12-N-UNV-L840-CD2-U

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 48.5 | 80.4 | 176.0 | 234.2 | 238.4 | 210.6 | 191.2 | 155.2 | 124.7 | 106.7 | 92.8 |
| 115° | 45.7 | 69.3 | 173.2 | 234.2 | 281.3 | 246.7 | 212.0 | 177.4 | 144.1 | 120.6 | 103.9 |
| 117.5° | 45.7 | 62.4 | 173.2 | 235.6 | 281.3 | 297.9 | 253.6 | 198.2 | 162.1 | 137.2 | 115.0 |
| 120° | 44.3 | 56.8 | 169.1 | 235.6 | 281.3 | 297.9 | 311.8 | 224.5 | 181.5 | 153.8 | 133.0 |
| 122.5° | 41.6 | 51.3 | 158.0 | 231.4 | 278.5 | 295.2 | 307.6 | 273.0 | 205.1 | 171.8 | 146.9 |
| 125° | 40.2 | 45.7 | 131.6 | 227.3 | 274.4 | 292.4 | 306.3 | 324.3 | 237.0 | 188.5 | 162.1 |
| 127.5° | 38.8 | 43.0 | 109.5 | 228.7 | 268.8 | 286.9 | 302.1 | 321.5 | 313.2 | 216.2 | 181.5 |
| 130° | 36.0 | 41.6 | 88.7 | 223.1 | 261.9 | 279.9 | 296.6 | 316.0 | 327.0 | 284.1 | 207.9 |
| 132.5° | 33.3 | 38.8 | 70.7 | 198.2 | 255.0 | 273.0 | 288.2 | 311.8 | 324.3 | 329.8 | 260.5 |
| 135° | 31.9 | 36.0 | 54.0 | 166.3 | 252.2 | 264.7 | 279.9 | 307.6 | 322.9 | 329.8 | 328.4 |
| 137.5° | 30.5 | 36.0 | 48.5 | 131.6 | 252.2 | 261.9 | 271.6 | 297.9 | 317.3 | 328.4 | 328.4 |
| 140° | 29.1 | 34.6 | 40.2 | 101.2 | 230.0 | 263.3 | 267.5 | 291.0 | 311.8 | 325.7 | 332.6 |
| 142.5° | 29.1 | 33.3 | 38.8 | 79.0 | 185.7 | 245.3 | 267.5 | 281.3 | 303.5 | 321.5 | 331.2 |
| 145° | 27.7 | 31.9 | 37.4 | 58.2 | 141.3 | 202.3 | 256.4 | 275.8 | 293.8 | 311.8 | 325.7 |
| 147.5° | 27.7 | 30.5 | 36.0 | 47.1 | 106.7 | 155.2 | 210.6 | 279.9 | 285.5 | 302.1 | 316.0 |
| 150° | 26.3 | 30.5 | 36.0 | 38.8 | 79.0 | 110.9 | 158.0 | 255.0 | 286.9 | 291.0 | 306.3 |
| 152.5° | 26.3 | 29.1 | 36.0 | 38.8 | 56.8 | 80.4 | 112.2 | 192.6 | 268.8 | 292.4 | 295.2 |
| 155° | 26.3 | 29.1 | 34.6 | 37.4 | 44.3 | 56.8 | 76.2 | 137.2 | 212.0 | 281.3 | 295.2 |
| 157.5° | 26.3 | 29.1 | 33.3 | 37.4 | 38.8 | 43.0 | 54.0 | 90.1 | 149.7 | 213.4 | 271.6 |
| 160° | 26.3 | 27.7 | 33.3 | 36.0 | 38.8 | 38.8 | 40.2 | 62.4 | 92.8 | 141.3 | 189.8 |
| 162.5° | 26.3 | 27.7 | 30.5 | 34.6 | 37.4 | 38.8 | 38.8 | 41.6 | 59.6 | 85.9 | 120.6 |
| 165° | 26.3 | 27.7 | 30.5 | 33.3 | 36.0 | 37.4 | 38.8 | 40.2 | 40.2 | 49.9 | 70.7 |
| 167.5° | 26.3 | 26.3 | 29.1 | 31.9 | 34.6 | 36.0 | 36.0 | 38.8 | 38.8 | 40.2 | 41.6 |
| 170° | 26.3 | 26.3 | 27.7 | 30.5 | 31.9 | 33.3 | 34.6 | 36.0 | 37.4 | 38.8 | 38.8 |
| 172.5° | 26.3 | 26.3 | 27.7 | 27.7 | 29.1 | 30.5 | 30.5 | 31.9 | 34.6 | 34.6 | 36.0 |
| 175° | 26.3 | 26.3 | 26.3 | 26.3 | 27.7 | 27.7 | 27.7 | 29.1 | 29.1 | 30.5 | 31.9 |
| 177.5° | 24.9 | 24.9 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 26.3 | 27.7 |
| 180° | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 |



TEST NUMBER: P236371

CATALOG NUMBER: SKB2-LD5-12-N-UNV-L840-CD2-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 | 3292.6 |
| 2.5° | 3481.0 | 3478.3 | 3504.6 | 3542.0 | 3535.1 | 3550.3 | 3571.1 | 3593.3 | 3596.0 | 3576.6 |
| 5° | 3866.3 | 3910.6 | 3977.1 | 4025.6 | 4053.3 | 4065.8 | 4103.2 | 4125.4 | 4114.3 | 4167.0 |
| 7.5° | 4286.1 | 4352.7 | 4437.2 | 4516.2 | 4548.1 | 4557.8 | 4593.8 | 4656.1 | 4650.6 | 4675.5 |
| 10° | 4642.3 | 4739.3 | 4847.4 | 4949.9 | 4979.0 | 5010.9 | 5066.3 | 5106.5 | 5121.8 | 5110.7 |
| 12.5° | 4954.1 | 5083.0 | 5185.5 | 5272.8 | 5329.6 | 5385.1 | 5433.6 | 5471.0 | 5504.2 | 5512.5 |
| 15° | 5195.2 | 5322.7 | 5441.9 | 5554.1 | 5591.5 | 5622.0 | 5684.4 | 5717.6 | 5720.4 | 5726.0 |
| 17.5° | 5349.0 | 5462.7 | 5579.1 | 5674.7 | 5719.0 | 5748.1 | 5798.0 | 5839.6 | 5852.1 | 5863.1 |
| 20° | 5423.9 | 5527.8 | 5640.0 | 5728.7 | 5774.5 | 5802.2 | 5853.4 | 5881.2 | 5901.9 | 5920.0 |
| 22.5° | 5428.0 | 5536.1 | 5647.0 | 5732.9 | 5773.1 | 5804.9 | 5853.4 | 5885.3 | 5901.9 | 5911.6 |
| 25° | 5369.8 | 5480.7 | 5591.5 | 5652.5 | 5691.3 | 5720.4 | 5731.5 | 5727.3 | 5724.6 | 5735.7 |
| 27.5° | 5263.1 | 5354.6 | 5422.5 | 5447.4 | 5436.3 | 5439.1 | 5414.2 | 5385.1 | 5374.0 | 5368.4 |
| 30° | 5074.6 | 5138.4 | 5141.2 | 5138.4 | 5123.1 | 5131.5 | 5110.7 | 5102.4 | 5121.8 | 5128.7 |
| 32.5° | 4815.5 | 4837.7 | 4851.5 | 4818.3 | 4818.3 | 4816.9 | 4825.2 | 4804.4 | 4815.5 | 4840.5 |
| 35° | 4519.0 | 4488.5 | 4487.1 | 4438.6 | 4422.0 | 4413.6 | 4366.5 | 4329.1 | 4304.2 | 4293.1 |
| 37.5° | 4168.4 | 4128.2 | 4115.7 | 4054.7 | 4031.2 | 4007.6 | 3934.2 | 3866.3 | 3828.8 | 3808.1 |
| 40° | 3828.8 | 3784.5 | 3756.8 | 3682.0 | 3645.9 | 3619.6 | 3555.9 | 3476.9 | 3461.6 | 3417.3 |
| 42.5° | 3489.3 | 3468.6 | 3393.7 | 3342.4 | 3284.2 | 3245.4 | 3183.1 | 3130.4 | 3087.5 | 3068.1 |
| 45° | 3192.8 | 3141.5 | 3076.4 | 2993.2 | 2953.0 | 2914.2 | 2847.7 | 2802.0 | 2779.8 | 2760.4 |
| 47.5° | 2885.1 | 2835.3 | 2779.8 | 2700.8 | 2669.0 | 2635.7 | 2578.9 | 2531.8 | 2509.6 | 2499.9 |
| 50° | 2610.8 | 2563.7 | 2508.2 | 2415.4 | 2396.0 | 2361.3 | 2310.1 | 2276.8 | 2250.5 | 2240.8 |
| 52.5° | 2347.5 | 2311.4 | 2250.5 | 2182.6 | 2164.6 | 2125.8 | 2087.0 | 2045.4 | 2031.5 | 2014.9 |
| 55° | 2117.4 | 2073.1 | 2028.7 | 1974.7 | 1947.0 | 1923.4 | 1881.9 | 1843.1 | 1836.1 | 1819.5 |
| 57.5° | 1912.3 | 1868.0 | 1818.1 | 1769.6 | 1757.1 | 1736.4 | 1692.0 | 1668.5 | 1643.5 | 1642.1 |
| 60° | 1704.5 | 1680.9 | 1646.3 | 1603.3 | 1590.8 | 1565.9 | 1524.3 | 1492.5 | 1470.3 | 1466.1 |
| 62.5° | 1531.3 | 1511.9 | 1477.2 | 1438.4 | 1423.2 | 1403.8 | 1369.1 | 1333.1 | 1319.2 | 1310.9 |
| 65° | 1381.6 | 1358.0 | 1326.2 | 1295.7 | 1273.5 | 1269.4 | 1229.2 | 1197.3 | 1179.3 | 1175.1 |
| 67.5° | 1231.9 | 1223.6 | 1197.3 | 1168.2 | 1150.2 | 1128.0 | 1094.7 | 1060.1 | 1042.1 | 1031.0 |
| 70° | 1107.2 | 1092.0 | 1058.7 | 1014.4 | 995.0 | 982.5 | 934.0 | 904.9 | 888.3 | 878.6 |
| 72.5° | 977.0 | 950.6 | 910.4 | 873.0 | 853.6 | 837.0 | 805.1 | 777.4 | 764.9 | 753.9 |
| 75° | 837.0 | 814.8 | 783.0 | 755.2 | 735.8 | 723.4 | 697.0 | 669.3 | 655.5 | 648.5 |
| 77.5° | 722.0 | 697.0 | 680.4 | 652.7 | 633.3 | 618.0 | 594.5 | 569.5 | 562.6 | 554.3 |
| 80° | 612.5 | 593.1 | 575.1 | 547.4 | 529.4 | 516.9 | 493.3 | 471.2 | 458.7 | 460.1 |
| 82.5° | 504.4 | 485.0 | 461.5 | 437.9 | 426.8 | 413.0 | 394.9 | 379.7 | 375.5 | 367.2 |
| 85° | 400.5 | 382.5 | 364.5 | 343.7 | 334.0 | 325.7 | 307.6 | 296.6 | 288.2 | 285.5 |
| 87.5° | 309.0 | 291.0 | 274.4 | 257.8 | 252.2 | 243.9 | 230.0 | 225.9 | 218.9 | 212.0 |
| 90° | 223.1 | 210.6 | 198.2 | 188.5 | 182.9 | 177.4 | 170.4 | 166.3 | 159.4 | 156.6 |
| 92.5° | 191.2 | 177.4 | 169.1 | 160.7 | 159.4 | 155.2 | 149.7 | 145.5 | 141.3 | 138.6 |
| 95° | 170.4 | 162.1 | 156.6 | 151.0 | 149.7 | 146.9 | 142.7 | 141.3 | 138.6 | 135.8 |
| 97.5° | 159.4 | 152.4 | 148.3 | 145.5 | 145.5 | 144.1 | 142.7 | 140.0 | 138.6 | 137.2 |
| 100° | 146.9 | 138.6 | 138.6 | 140.0 | 140.0 | 140.0 | 140.0 | 140.0 | 138.6 | 137.2 |
| 102.5° | 145.5 | 138.6 | 137.2 | 134.4 | 134.4 | 131.6 | 131.6 | 130.3 | 128.9 | 127.5 |
| 105° | 148.3 | 144.1 | 140.0 | 138.6 | 137.2 | 137.2 | 134.4 | 133.0 | 131.6 | 131.6 |
| 107.5° | 151.0 | 149.7 | 148.3 | 145.5 | 145.5 | 145.5 | 142.7 | 142.7 | 141.3 | 138.6 |
| 110° | 148.3 | 151.0 | 152.4 | 152.4 | 152.4 | 152.4 | 152.4 | 152.4 | 149.7 | 149.7 |



TEST NUMBER: P236371

CATALOG NUMBER: SKB2-LD5-12-N-UNV-L840-CD2-U

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 138.6 | 146.9 | 152.4 | 158.0 | 158.0 | 159.4 | 159.4 | 159.4 | 159.4 | 158.0 |
| 115° | 94.2 | 98.4 | 146.9 | 153.8 | 155.2 | 158.0 | 160.7 | 163.5 | 163.5 | 162.1 |
| 117.5° | 105.3 | 95.6 | 90.1 | 87.3 | 120.6 | 140.0 | 158.0 | 163.5 | 162.1 | 162.1 |
| 120° | 116.4 | 105.3 | 98.4 | 92.8 | 92.8 | 90.1 | 88.7 | 88.7 | 88.7 | 94.2 |
| 122.5° | 131.6 | 117.8 | 106.7 | 101.2 | 99.8 | 98.4 | 97.0 | 94.2 | 92.8 | 91.5 |
| 125° | 145.5 | 133.0 | 121.9 | 112.2 | 110.9 | 108.1 | 105.3 | 102.5 | 101.2 | 98.4 |
| 127.5° | 159.4 | 145.5 | 135.8 | 128.9 | 126.1 | 124.7 | 116.4 | 113.6 | 109.5 | 109.5 |
| 130° | 178.8 | 160.7 | 148.3 | 141.3 | 137.2 | 135.8 | 131.6 | 128.9 | 126.1 | 124.7 |
| 132.5° | 203.7 | 180.1 | 166.3 | 156.6 | 152.4 | 149.7 | 144.1 | 140.0 | 135.8 | 135.8 |
| 135° | 266.1 | 210.6 | 187.1 | 174.6 | 169.1 | 166.3 | 159.4 | 153.8 | 148.3 | 146.9 |
| 137.5° | 327.0 | 300.7 | 225.9 | 200.9 | 194.0 | 187.1 | 177.4 | 170.4 | 164.9 | 164.9 |
| 140° | 331.2 | 329.8 | 329.8 | 270.2 | 245.3 | 230.0 | 206.5 | 195.4 | 189.8 | 184.3 |
| 142.5° | 334.0 | 335.4 | 331.2 | 334.0 | 335.4 | 334.0 | 321.5 | 282.7 | 257.8 | 256.4 |
| 145° | 332.6 | 336.7 | 336.7 | 336.7 | 338.1 | 338.1 | 336.7 | 338.1 | 334.0 | 335.4 |
| 147.5° | 328.4 | 334.0 | 338.1 | 342.3 | 339.5 | 342.3 | 343.7 | 343.7 | 342.3 | 342.3 |
| 150° | 317.3 | 328.4 | 335.4 | 339.5 | 338.1 | 339.5 | 339.5 | 340.9 | 336.7 | 336.7 |
| 152.5° | 306.3 | 317.3 | 325.7 | 334.0 | 334.0 | 336.7 | 336.7 | 336.7 | 335.4 | 335.4 |
| 155° | 293.8 | 302.1 | 311.8 | 320.1 | 321.5 | 324.3 | 328.4 | 329.8 | 332.6 | 332.6 |
| 157.5° | 295.2 | 295.2 | 297.9 | 303.5 | 304.9 | 307.6 | 310.4 | 313.2 | 314.6 | 316.0 |
| 160° | 239.7 | 282.7 | 296.6 | 303.5 | 300.7 | 297.9 | 296.6 | 299.3 | 296.6 | 299.3 |
| 162.5° | 162.1 | 188.5 | 227.3 | 259.1 | 274.4 | 285.5 | 289.6 | 293.8 | 295.2 | 297.9 |
| 165° | 88.7 | 110.9 | 137.2 | 167.7 | 171.8 | 178.8 | 191.2 | 199.5 | 213.4 | 210.6 |
| 167.5° | 45.7 | 61.0 | 70.7 | 79.0 | 84.5 | 88.7 | 105.3 | 109.5 | 106.7 | 113.6 |
| 170° | 40.2 | 40.2 | 41.6 | 41.6 | 43.0 | 44.3 | 45.7 | 54.0 | 49.9 | 47.1 |
| 172.5° | 37.4 | 37.4 | 38.8 | 38.8 | 40.2 | 40.2 | 38.8 | 37.4 | 36.0 | 34.6 |
| 175° | 31.9 | 33.3 | 34.6 | 34.6 | 34.6 | 36.0 | 34.6 | 33.3 | 31.9 | 29.1 |
| 177.5° | 27.7 | 27.7 | 27.7 | 29.1 | 29.1 | 29.1 | 27.7 | 26.3 | 24.9 | 23.6 |
| 180° | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 |

(END OF REPORT)