

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: P236377

Luminaire Tested: **SKB2-LD5-18-N-UNV-L840-CD2-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P236377  
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-LD5-18-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

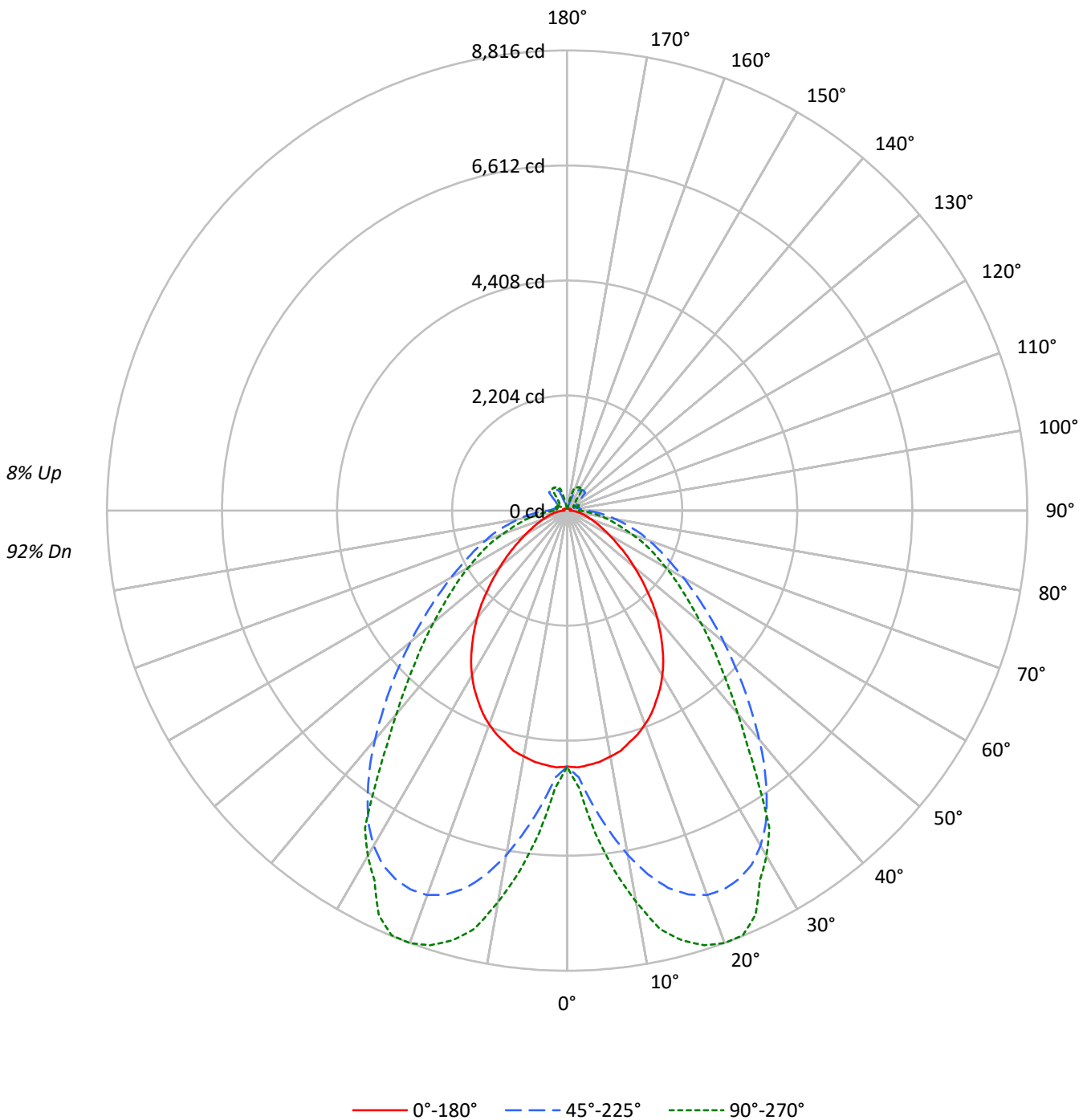
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20354.0 lumens  
Efficiency: N/A  
Efficacy: 120.8 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): 168.5  
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: P236377

CATALOG NUMBER: SKB2-LD5-18-N-UNV-L840-CD2-U

### Luminous Intensity Polar Plot





TEST NUMBER: P236377

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**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°  | 21111 | 21111 | 21111 |
| 5°  | 20938 | 24088 | 26434 |
| 10° | 20536 | 28338 | 32324 |
| 15° | 19938 | 31735 | 36383 |
| 20° | 19250 | 33580 | 38083 |
| 25° | 18260 | 33975 | 37651 |
| 30° | 17091 | 33184 | 34638 |
| 35° | 15589 | 30873 | 30091 |
| 40° | 13877 | 27730 | 25093 |
| 45° | 11892 | 24434 | 21455 |
| 50° | 10022 | 21372 | 18648 |
| 55° | 8280  | 18732 | 16429 |
| 60° | 6774  | 16653 | 14589 |
| 65° | 5637  | 14933 | 13134 |
| 70° | 4827  | 13651 | 11297 |
| 75° | 4227  | 12433 | 9905  |
| 80° | 3763  | 11184 | 8733  |
| 85° | 3259  | 9846  | 7229  |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 561.7   | 2.8       |
| 10°-20°   | 2004.6  | 9.8       |
| 20°-30°   | 3285.9  | 16.1      |
| 30°-40°   | 3671.9  | 18.0      |
| 40°-50°   | 3199.1  | 15.7      |
| 50°-60°   | 2462.2  | 12.1      |
| 60°-70°   | 1766.5  | 8.7       |
| 70°-80°   | 1166.5  | 5.7       |
| 80°-90°   | 630.6   | 3.1       |
| 90°-100°  | 279.3   | 1.4       |
| 100°-110° | 222.5   | 1.1       |
| 110°-120° | 223.1   | 1.1       |
| 120°-130° | 215.7   | 1.1       |
| 130°-140° | 233.7   | 1.1       |
| 140°-150° | 232.1   | 1.1       |
| 150°-160° | 147.4   | 0.7       |
| 160°-170° | 46.6    | 0.2       |
| 170°-180° | 4.7     | 0.0       |
| 0°-30°    | 5852.1  | 28.8      |
| 0°-40°    | 9524.0  | 46.8      |
| 0°-60°    | 15185.3 | 74.6      |
| 0°-90°    | 18748.9 | 92.1      |
| 90°-120°  | 724.8   | 3.6       |
| 90°-150°  | 1406.4  | 6.9       |
| 90°-180°  | 1605.0  | 7.9       |
| 0°-180°   | 20354.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 4903 | 4903  | 4903 | 4903  | 4903 |      |
| 5°   | 4889 | 5163  | 5667 | 6036  | 6205 | 464  |
| 15°  | 4598 | 6016  | 7485 | 8327  | 8527 | 1296 |
| 25°  | 4030 | 6203  | 7790 | 8475  | 8541 | 1853 |
| 35°  | 3182 | 5434  | 6661 | 6585  | 6393 | 1983 |
| 45°  | 2156 | 4067  | 4781 | 4398  | 4111 | 1669 |
| 55°  | 1267 | 2763  | 3178 | 2899  | 2710 | 1143 |
| 65°  | 677  | 1845  | 2068 | 1896  | 1750 | 682  |
| 75°  | 353  | 1280  | 1282 | 1096  | 966  | 378  |
| 85°  | 144  | 830   | 636  | 497   | 425  | 137  |
| 90°  | 54   | 495   | 363  | 272   | 233  | 36   |
| 95°  | 72   | 343   | 274  | 223   | 202  | 59   |
| 105° | 78   | 208   | 229  | 204   | 196  | 82   |
| 115° | 68   | 367   | 155  | 231   | 241  | 69   |
| 125° | 60   | 435   | 241  | 165   | 146  | 54   |
| 135° | 48   | 394   | 489  | 252   | 219  | 37   |
| 145° | 41   | 301   | 485  | 504   | 499  | 26   |
| 155° | 39   | 85    | 440  | 479   | 495  | 18   |
| 165° | 39   | 56    | 105  | 256   | 314  | 11   |
| 175° | 39   | 41    | 48   | 52    | 43   | 4    |
| 180° | 37   | 37    | 37   | 37    | 37   |      |



TEST NUMBER: P236377

CATALOG NUMBER: SKB2-LD5-18-N-UNV-L840-CD2-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 |
| 2.5°   | 4923.8 | 4913.5 | 4936.2 | 4956.8 | 4958.9 | 4973.4 | 4971.3 | 4998.1 | 5031.1 | 5072.4 | 5113.7 |
| 5°     | 4888.7 | 4894.9 | 4948.6 | 5031.1 | 5101.3 | 5163.2 | 5196.2 | 5309.7 | 5404.7 | 5536.7 | 5666.7 |
| 7.5°   | 4851.6 | 4868.1 | 4983.7 | 5142.6 | 5303.5 | 5394.3 | 5476.9 | 5672.9 | 5846.3 | 6029.9 | 6188.8 |
| 10°    | 4783.5 | 4822.7 | 5018.8 | 5276.7 | 5528.5 | 5656.4 | 5774.0 | 6013.4 | 6263.1 | 6494.2 | 6700.6 |
| 12.5°  | 4717.5 | 4781.4 | 5047.6 | 5382.0 | 5697.7 | 5858.6 | 6013.4 | 6320.9 | 6603.6 | 6898.7 | 7131.9 |
| 15°    | 4597.8 | 4709.2 | 5064.2 | 5470.7 | 5850.4 | 6015.5 | 6209.5 | 6564.4 | 6898.7 | 7204.1 | 7484.8 |
| 17.5°  | 4494.6 | 4639.0 | 5055.9 | 5516.1 | 5959.8 | 6153.7 | 6347.7 | 6727.4 | 7094.8 | 7443.5 | 7711.8 |
| 20°    | 4360.5 | 4544.1 | 5031.1 | 5536.7 | 6003.1 | 6228.0 | 6438.5 | 6847.1 | 7233.0 | 7565.3 | 7839.7 |
| 22.5°  | 4213.9 | 4428.6 | 4969.2 | 5503.7 | 5999.0 | 6232.2 | 6461.2 | 6874.0 | 7257.8 | 7590.0 | 7854.2 |
| 25°    | 4030.3 | 4294.4 | 4859.9 | 5429.4 | 5943.3 | 6203.3 | 6411.7 | 6822.4 | 7204.1 | 7521.9 | 7790.2 |
| 27.5°  | 3850.7 | 4137.6 | 4736.0 | 5318.0 | 5842.1 | 6087.7 | 6294.1 | 6727.4 | 7096.8 | 7396.1 | 7651.9 |
| 30°    | 3644.4 | 3956.0 | 4575.1 | 5157.0 | 5681.2 | 5922.6 | 6143.4 | 6545.8 | 6898.7 | 7193.8 | 7412.6 |
| 32.5°  | 3427.7 | 3747.6 | 4379.0 | 4948.6 | 5458.3 | 5716.3 | 5916.4 | 6310.6 | 6655.2 | 6896.7 | 7088.6 |
| 35°    | 3182.1 | 3530.9 | 4133.5 | 4709.2 | 5198.3 | 5433.5 | 5635.8 | 6005.2 | 6329.2 | 6547.9 | 6661.4 |
| 37.5°  | 2928.3 | 3289.4 | 3885.8 | 4420.3 | 4909.4 | 5107.5 | 5303.5 | 5677.0 | 5943.3 | 6135.2 | 6215.7 |
| 40°    | 2684.8 | 3023.2 | 3590.7 | 4133.5 | 4579.2 | 4779.4 | 4952.7 | 5291.2 | 5551.2 | 5683.2 | 5726.6 |
| 42.5°  | 2426.8 | 2767.3 | 3301.8 | 3807.4 | 4236.6 | 4428.6 | 4601.9 | 4899.1 | 5126.1 | 5243.7 | 5233.4 |
| 45°    | 2156.5 | 2499.1 | 2994.3 | 3489.6 | 3898.2 | 4067.4 | 4238.7 | 4494.6 | 4701.0 | 4781.4 | 4781.4 |
| 47.5°  | 1910.9 | 2222.5 | 2719.9 | 3159.4 | 3551.5 | 3720.7 | 3877.6 | 4116.9 | 4286.2 | 4343.9 | 4323.3 |
| 50°    | 1681.9 | 1972.8 | 2431.0 | 2843.7 | 3225.5 | 3392.6 | 3524.7 | 3759.9 | 3906.5 | 3933.3 | 3918.8 |
| 52.5°  | 1467.2 | 1735.5 | 2166.8 | 2571.3 | 2920.0 | 3066.6 | 3202.8 | 3413.2 | 3532.9 | 3559.8 | 3532.9 |
| 55°    | 1267.1 | 1520.9 | 1921.2 | 2305.1 | 2633.2 | 2763.2 | 2901.5 | 3081.0 | 3175.9 | 3184.2 | 3178.0 |
| 57.5°  | 1083.4 | 1331.0 | 1706.6 | 2065.7 | 2367.0 | 2501.1 | 2612.6 | 2779.7 | 2839.6 | 2862.3 | 2851.9 |
| 60°    | 928.6  | 1163.9 | 1510.6 | 1855.2 | 2135.9 | 2257.6 | 2360.8 | 2476.4 | 2548.6 | 2554.8 | 2575.4 |
| 62.5°  | 792.4  | 1017.4 | 1349.6 | 1663.3 | 1935.7 | 2038.9 | 2129.7 | 2234.9 | 2286.5 | 2294.8 | 2294.8 |
| 65°    | 676.9  | 889.4  | 1209.3 | 1496.1 | 1747.9 | 1844.9 | 1917.1 | 2014.1 | 2047.1 | 2047.1 | 2067.8 |
| 67.5°  | 577.8  | 784.2  | 1083.4 | 1366.1 | 1593.1 | 1667.4 | 1741.7 | 1809.8 | 1822.2 | 1846.9 | 1861.4 |
| 70°    | 493.2  | 695.4  | 976.1  | 1250.6 | 1446.6 | 1527.1 | 1582.8 | 1622.0 | 1648.8 | 1648.8 | 1655.0 |
| 72.5°  | 416.9  | 612.9  | 883.2  | 1147.4 | 1335.2 | 1393.0 | 1432.2 | 1475.5 | 1485.8 | 1483.8 | 1487.9 |
| 75°    | 352.9  | 544.8  | 811.0  | 1044.2 | 1223.7 | 1279.5 | 1310.4 | 1339.3 | 1333.1 | 1320.7 | 1281.5 |
| 77.5°  | 297.2  | 482.9  | 747.0  | 972.0  | 1122.6 | 1180.4 | 1203.1 | 1213.4 | 1180.4 | 1139.1 | 1102.0 |
| 80°    | 241.4  | 425.1  | 676.9  | 889.4  | 1031.8 | 1077.2 | 1089.6 | 1052.5 | 1015.3 | 982.3  | 941.0  |
| 82.5°  | 189.9  | 371.5  | 617.0  | 817.2  | 934.8  | 949.3  | 953.4  | 914.2  | 881.2  | 839.9  | 798.6  |
| 85°    | 144.5  | 319.9  | 548.9  | 720.2  | 811.0  | 829.6  | 823.4  | 778.0  | 728.5  | 683.1  | 635.6  |
| 87.5°  | 97.0   | 262.1  | 466.4  | 608.8  | 676.9  | 678.9  | 664.5  | 623.2  | 584.0  | 538.6  | 489.1  |
| 90°    | 53.7   | 183.7  | 344.6  | 443.7  | 499.4  | 495.3  | 499.4  | 466.4  | 435.4  | 400.3  | 363.2  |
| 92.5°  | 61.9   | 140.3  | 249.7  | 350.8  | 410.7  | 416.9  | 421.0  | 398.3  | 371.5  | 344.6  | 309.5  |
| 95°    | 72.2   | 123.8  | 175.4  | 264.1  | 326.1  | 342.6  | 346.7  | 340.5  | 326.1  | 305.4  | 274.5  |
| 97.5°  | 74.3   | 127.9  | 181.6  | 185.7  | 264.1  | 284.8  | 297.2  | 295.1  | 282.7  | 266.2  | 251.8  |
| 100°   | 76.4   | 138.3  | 208.4  | 200.2  | 189.9  | 222.9  | 245.6  | 264.1  | 262.1  | 249.7  | 231.1  |
| 102.5° | 78.4   | 144.5  | 241.4  | 231.1  | 198.1  | 177.5  | 183.7  | 231.1  | 243.5  | 239.4  | 229.1  |
| 105°   | 78.4   | 148.6  | 249.7  | 270.3  | 229.1  | 208.4  | 185.7  | 183.7  | 216.7  | 231.1  | 229.1  |
| 107.5° | 78.4   | 144.5  | 255.9  | 315.7  | 268.3  | 241.4  | 218.7  | 173.3  | 161.0  | 210.5  | 222.9  |
| 110°   | 76.4   | 138.3  | 262.1  | 350.8  | 303.4  | 278.6  | 251.8  | 200.2  | 165.1  | 144.5  | 208.4  |



TEST NUMBER: P236377

CATALOG NUMBER: SKB2-LD5-18-N-UNV-L840-CD2-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 72.2 | 119.7 | 262.1 | 348.8 | 354.9 | 313.7 | 284.8 | 231.1 | 185.7 | 158.9 | 138.3 |
| 115°   | 68.1 | 103.2 | 258.0 | 348.8 | 418.9 | 367.3 | 315.7 | 264.1 | 214.6 | 179.5 | 154.8 |
| 117.5° | 68.1 | 92.9  | 258.0 | 350.8 | 418.9 | 443.7 | 377.6 | 295.1 | 241.4 | 204.3 | 171.3 |
| 120°   | 66.0 | 84.6  | 251.8 | 350.8 | 418.9 | 443.7 | 464.3 | 334.3 | 270.3 | 229.1 | 198.1 |
| 122.5° | 61.9 | 76.4  | 235.3 | 344.6 | 414.8 | 439.6 | 458.1 | 406.5 | 305.4 | 255.9 | 218.7 |
| 125°   | 59.8 | 68.1  | 196.0 | 338.4 | 408.6 | 435.4 | 456.1 | 482.9 | 352.9 | 280.7 | 241.4 |
| 127.5° | 57.8 | 64.0  | 163.0 | 340.5 | 400.3 | 427.2 | 449.9 | 478.8 | 466.4 | 321.9 | 270.3 |
| 130°   | 53.7 | 61.9  | 132.1 | 332.2 | 390.0 | 416.9 | 441.6 | 470.5 | 487.0 | 423.0 | 309.5 |
| 132.5° | 49.5 | 57.8  | 105.2 | 295.1 | 379.7 | 406.5 | 429.2 | 464.3 | 482.9 | 491.1 | 388.0 |
| 135°   | 47.5 | 53.7  | 80.5  | 247.6 | 375.6 | 394.2 | 416.9 | 458.1 | 480.8 | 491.1 | 489.1 |
| 137.5° | 45.4 | 53.7  | 72.2  | 196.0 | 375.6 | 390.0 | 404.5 | 443.7 | 472.6 | 489.1 | 489.1 |
| 140°   | 43.3 | 51.6  | 59.8  | 150.6 | 342.6 | 392.1 | 398.3 | 433.4 | 464.3 | 485.0 | 495.3 |
| 142.5° | 43.3 | 49.5  | 57.8  | 117.6 | 276.5 | 365.3 | 398.3 | 418.9 | 451.9 | 478.8 | 493.2 |
| 145°   | 41.3 | 47.5  | 55.7  | 86.7  | 210.5 | 301.3 | 381.8 | 410.7 | 437.5 | 464.3 | 485.0 |
| 147.5° | 41.3 | 45.4  | 53.7  | 70.2  | 158.9 | 231.1 | 313.7 | 416.9 | 425.1 | 449.9 | 470.5 |
| 150°   | 39.2 | 45.4  | 53.7  | 57.8  | 117.6 | 165.1 | 235.3 | 379.7 | 427.2 | 433.4 | 456.1 |
| 152.5° | 39.2 | 43.3  | 53.7  | 57.8  | 84.6  | 119.7 | 167.2 | 286.8 | 400.3 | 435.4 | 439.6 |
| 155°   | 39.2 | 43.3  | 51.6  | 55.7  | 66.0  | 84.6  | 113.5 | 204.3 | 315.7 | 418.9 | 439.6 |
| 157.5° | 39.2 | 43.3  | 49.5  | 55.7  | 57.8  | 64.0  | 80.5  | 134.1 | 222.9 | 317.8 | 404.5 |
| 160°   | 39.2 | 41.3  | 49.5  | 53.7  | 57.8  | 57.8  | 59.8  | 92.9  | 138.3 | 210.5 | 282.7 |
| 162.5° | 39.2 | 41.3  | 45.4  | 51.6  | 55.7  | 57.8  | 57.8  | 61.9  | 88.7  | 127.9 | 179.5 |
| 165°   | 39.2 | 41.3  | 45.4  | 49.5  | 53.7  | 55.7  | 57.8  | 59.8  | 59.8  | 74.3  | 105.2 |
| 167.5° | 39.2 | 39.2  | 43.3  | 47.5  | 51.6  | 53.7  | 53.7  | 57.8  | 57.8  | 59.8  | 61.9  |
| 170°   | 39.2 | 39.2  | 41.3  | 45.4  | 47.5  | 49.5  | 51.6  | 53.7  | 55.7  | 57.8  | 57.8  |
| 172.5° | 39.2 | 39.2  | 41.3  | 41.3  | 43.3  | 45.4  | 45.4  | 47.5  | 51.6  | 51.6  | 53.7  |
| 175°   | 39.2 | 39.2  | 39.2  | 39.2  | 41.3  | 41.3  | 41.3  | 43.3  | 43.3  | 45.4  | 47.5  |
| 177.5° | 37.1 | 37.1  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 39.2  | 41.3  |
| 180°   | 37.1 | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  |



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**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 | 4903.2 |
| 2.5°   | 5183.8 | 5179.7 | 5218.9 | 5274.6 | 5264.3 | 5287.0 | 5318.0 | 5351.0 | 5355.1 | 5326.2 |
| 5°     | 5757.5 | 5823.6 | 5922.6 | 5994.8 | 6036.1 | 6054.7 | 6110.4 | 6143.4 | 6126.9 | 6205.3 |
| 7.5°   | 6382.8 | 6481.9 | 6607.7 | 6725.4 | 6772.8 | 6787.3 | 6840.9 | 6933.8 | 6925.5 | 6962.7 |
| 10°    | 6913.2 | 7057.6 | 7218.6 | 7371.3 | 7414.6 | 7462.1 | 7544.6 | 7604.5 | 7627.2 | 7610.7 |
| 12.5°  | 7377.5 | 7569.4 | 7722.1 | 7852.1 | 7936.7 | 8019.3 | 8091.5 | 8147.2 | 8196.7 | 8209.1 |
| 15°    | 7736.6 | 7926.4 | 8103.9 | 8271.0 | 8326.8 | 8372.2 | 8465.0 | 8514.5 | 8518.7 | 8526.9 |
| 17.5°  | 7965.6 | 8134.8 | 8308.2 | 8450.6 | 8516.6 | 8559.9 | 8634.2 | 8696.1 | 8714.7 | 8731.2 |
| 20°    | 8077.1 | 8231.8 | 8399.0 | 8531.1 | 8599.2 | 8640.4 | 8716.8 | 8758.1 | 8789.0 | 8815.8 |
| 22.5°  | 8083.2 | 8244.2 | 8409.3 | 8537.2 | 8597.1 | 8644.6 | 8716.8 | 8764.2 | 8789.0 | 8803.5 |
| 25°    | 7996.6 | 8161.7 | 8326.8 | 8417.6 | 8475.3 | 8518.7 | 8535.2 | 8529.0 | 8524.9 | 8541.4 |
| 27.5°  | 7837.7 | 7973.9 | 8075.0 | 8112.1 | 8095.6 | 8099.8 | 8062.6 | 8019.3 | 8002.8 | 7994.5 |
| 30°    | 7557.0 | 7651.9 | 7656.1 | 7651.9 | 7629.2 | 7641.6 | 7610.7 | 7598.3 | 7627.2 | 7637.5 |
| 32.5°  | 7171.1 | 7204.1 | 7224.8 | 7175.2 | 7175.2 | 7173.2 | 7185.6 | 7154.6 | 7171.1 | 7208.3 |
| 35°    | 6729.5 | 6684.1 | 6682.0 | 6609.8 | 6585.0 | 6572.7 | 6502.5 | 6446.8 | 6409.6 | 6393.1 |
| 37.5°  | 6207.4 | 6147.6 | 6129.0 | 6038.2 | 6003.1 | 5968.0 | 5858.6 | 5757.5 | 5701.8 | 5670.9 |
| 40°    | 5701.8 | 5635.8 | 5594.5 | 5483.1 | 5429.4 | 5390.2 | 5295.3 | 5177.7 | 5155.0 | 5088.9 |
| 42.5°  | 5196.2 | 5165.3 | 5053.8 | 4977.5 | 4890.8 | 4833.0 | 4740.2 | 4661.7 | 4597.8 | 4568.9 |
| 45°    | 4754.6 | 4678.3 | 4581.3 | 4457.4 | 4397.6 | 4339.8 | 4240.8 | 4172.7 | 4139.6 | 4110.8 |
| 47.5°  | 4296.5 | 4222.2 | 4139.6 | 4022.0 | 3974.6 | 3925.0 | 3840.4 | 3770.3 | 3737.2 | 3722.8 |
| 50°    | 3887.9 | 3817.7 | 3735.2 | 3596.9 | 3568.0 | 3516.4 | 3440.1 | 3390.5 | 3351.3 | 3336.9 |
| 52.5°  | 3495.8 | 3442.1 | 3351.3 | 3250.2 | 3223.4 | 3165.6 | 3107.8 | 3045.9 | 3025.3 | 3000.5 |
| 55°    | 3153.2 | 3087.2 | 3021.2 | 2940.7 | 2899.4 | 2864.3 | 2802.4 | 2744.6 | 2734.3 | 2709.5 |
| 57.5°  | 2847.8 | 2781.8 | 2707.5 | 2635.3 | 2616.7 | 2585.7 | 2519.7 | 2484.6 | 2447.5 | 2445.4 |
| 60°    | 2538.3 | 2503.2 | 2451.6 | 2387.6 | 2369.0 | 2331.9 | 2270.0 | 2222.5 | 2189.5 | 2183.3 |
| 62.5°  | 2280.3 | 2251.4 | 2199.8 | 2142.0 | 2119.3 | 2090.5 | 2038.9 | 1985.2 | 1964.6 | 1952.2 |
| 65°    | 2057.4 | 2022.4 | 1974.9 | 1929.5 | 1896.5 | 1890.3 | 1830.4 | 1783.0 | 1756.2 | 1750.0 |
| 67.5°  | 1834.6 | 1822.2 | 1783.0 | 1739.6 | 1712.8 | 1679.8 | 1630.3 | 1578.7 | 1551.9 | 1535.3 |
| 70°    | 1648.8 | 1626.1 | 1576.6 | 1510.6 | 1481.7 | 1463.1 | 1390.9 | 1347.6 | 1322.8 | 1308.3 |
| 72.5°  | 1454.9 | 1415.7 | 1355.8 | 1300.1 | 1271.2 | 1246.4 | 1199.0 | 1157.7 | 1139.1 | 1122.6 |
| 75°    | 1246.4 | 1213.4 | 1166.0 | 1124.7 | 1095.8 | 1077.2 | 1038.0 | 996.7  | 976.1  | 965.8  |
| 77.5°  | 1075.2 | 1038.0 | 1013.2 | 972.0  | 943.1  | 920.4  | 885.3  | 848.2  | 837.8  | 825.5  |
| 80°    | 912.1  | 883.2  | 856.4  | 815.1  | 788.3  | 769.7  | 734.7  | 701.6  | 683.1  | 685.1  |
| 82.5°  | 751.2  | 722.3  | 687.2  | 652.1  | 635.6  | 615.0  | 588.1  | 565.4  | 559.2  | 546.9  |
| 85°    | 596.4  | 569.6  | 542.7  | 511.8  | 497.3  | 485.0  | 458.1  | 441.6  | 429.2  | 425.1  |
| 87.5°  | 460.2  | 433.4  | 408.6  | 383.8  | 375.6  | 363.2  | 342.6  | 336.4  | 326.1  | 315.7  |
| 90°    | 332.2  | 313.7  | 295.1  | 280.7  | 272.4  | 264.1  | 253.8  | 247.6  | 237.3  | 233.2  |
| 92.5°  | 284.8  | 264.1  | 251.8  | 239.4  | 237.3  | 231.1  | 222.9  | 216.7  | 210.5  | 206.4  |
| 95°    | 253.8  | 241.4  | 233.2  | 224.9  | 222.9  | 218.7  | 212.6  | 210.5  | 206.4  | 202.2  |
| 97.5°  | 237.3  | 227.0  | 220.8  | 216.7  | 216.7  | 214.6  | 212.6  | 208.4  | 206.4  | 204.3  |
| 100°   | 218.7  | 206.4  | 206.4  | 208.4  | 208.4  | 208.4  | 208.4  | 208.4  | 206.4  | 204.3  |
| 102.5° | 216.7  | 206.4  | 204.3  | 200.2  | 200.2  | 196.0  | 196.0  | 194.0  | 191.9  | 189.9  |
| 105°   | 220.8  | 214.6  | 208.4  | 206.4  | 204.3  | 204.3  | 200.2  | 198.1  | 196.0  | 196.0  |
| 107.5° | 224.9  | 222.9  | 220.8  | 216.7  | 216.7  | 216.7  | 212.6  | 212.6  | 210.5  | 206.4  |
| 110°   | 220.8  | 224.9  | 227.0  | 227.0  | 227.0  | 227.0  | 227.0  | 227.0  | 222.9  | 222.9  |





TEST NUMBER: P236377

CATALOG NUMBER: SKB2-LD5-18-N-UNV-L840-CD2-U

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 206.4 | 218.7 | 227.0 | 235.3 | 235.3 | 237.3 | 237.3 | 237.3 | 237.3 | 235.3 |
| 115°   | 140.3 | 146.5 | 218.7 | 229.1 | 231.1 | 235.3 | 239.4 | 243.5 | 243.5 | 241.4 |
| 117.5° | 156.8 | 142.4 | 134.1 | 130.0 | 179.5 | 208.4 | 235.3 | 243.5 | 241.4 | 241.4 |
| 120°   | 173.3 | 156.8 | 146.5 | 138.3 | 138.3 | 134.1 | 132.1 | 132.1 | 132.1 | 140.3 |
| 122.5° | 196.0 | 175.4 | 158.9 | 150.6 | 148.6 | 146.5 | 144.5 | 140.3 | 138.3 | 136.2 |
| 125°   | 216.7 | 198.1 | 181.6 | 167.2 | 165.1 | 161.0 | 156.8 | 152.7 | 150.6 | 146.5 |
| 127.5° | 237.3 | 216.7 | 202.2 | 191.9 | 187.8 | 185.7 | 173.3 | 169.2 | 163.0 | 163.0 |
| 130°   | 266.2 | 239.4 | 220.8 | 210.5 | 204.3 | 202.2 | 196.0 | 191.9 | 187.8 | 185.7 |
| 132.5° | 303.4 | 268.3 | 247.6 | 233.2 | 227.0 | 222.9 | 214.6 | 208.4 | 202.2 | 202.2 |
| 135°   | 396.2 | 313.7 | 278.6 | 260.0 | 251.8 | 247.6 | 237.3 | 229.1 | 220.8 | 218.7 |
| 137.5° | 487.0 | 447.8 | 336.4 | 299.2 | 288.9 | 278.6 | 264.1 | 253.8 | 245.6 | 245.6 |
| 140°   | 493.2 | 491.1 | 491.1 | 402.4 | 365.3 | 342.6 | 307.5 | 291.0 | 282.7 | 274.5 |
| 142.5° | 497.3 | 499.4 | 493.2 | 497.3 | 499.4 | 497.3 | 478.8 | 421.0 | 383.8 | 381.8 |
| 145°   | 495.3 | 501.5 | 501.5 | 501.5 | 503.5 | 503.5 | 501.5 | 503.5 | 497.3 | 499.4 |
| 147.5° | 489.1 | 497.3 | 503.5 | 509.7 | 505.6 | 509.7 | 511.8 | 511.8 | 509.7 | 509.7 |
| 150°   | 472.6 | 489.1 | 499.4 | 505.6 | 503.5 | 505.6 | 505.6 | 507.7 | 501.5 | 501.5 |
| 152.5° | 456.1 | 472.6 | 485.0 | 497.3 | 497.3 | 501.5 | 501.5 | 501.5 | 499.4 | 499.4 |
| 155°   | 437.5 | 449.9 | 464.3 | 476.7 | 478.8 | 482.9 | 489.1 | 491.1 | 495.3 | 495.3 |
| 157.5° | 439.6 | 439.6 | 443.7 | 451.9 | 454.0 | 458.1 | 462.3 | 466.4 | 468.4 | 470.5 |
| 160°   | 357.0 | 421.0 | 441.6 | 451.9 | 447.8 | 443.7 | 441.6 | 445.7 | 441.6 | 445.7 |
| 162.5° | 241.4 | 280.7 | 338.4 | 385.9 | 408.6 | 425.1 | 431.3 | 437.5 | 439.6 | 443.7 |
| 165°   | 132.1 | 165.1 | 204.3 | 249.7 | 255.9 | 266.2 | 284.8 | 297.2 | 317.8 | 313.7 |
| 167.5° | 68.1  | 90.8  | 105.2 | 117.6 | 125.9 | 132.1 | 156.8 | 163.0 | 158.9 | 169.2 |
| 170°   | 59.8  | 59.8  | 61.9  | 61.9  | 64.0  | 66.0  | 68.1  | 80.5  | 74.3  | 70.2  |
| 172.5° | 55.7  | 55.7  | 57.8  | 57.8  | 59.8  | 59.8  | 57.8  | 55.7  | 53.7  | 51.6  |
| 175°   | 47.5  | 49.5  | 51.6  | 51.6  | 51.6  | 53.7  | 51.6  | 49.5  | 47.5  | 43.3  |
| 177.5° | 41.3  | 41.3  | 41.3  | 43.3  | 43.3  | 43.3  | 41.3  | 39.2  | 37.1  | 35.1  |
| 180°   | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  | 37.1  |

(END OF REPORT)