

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: P232566

Luminaire Tested: **4SKB1-LD5-4-W-UNV-L850-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P232566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1709-317-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SKB1-LD5-4-W-UNV-L850-CD1-U  
Description: METALUX SKYBAR 4' WAVESTREAM STRIP  
WITH WIDE LENS  
Light Source: (196) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4149.0 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.48 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.29')  
CIE Type: Semi-Direct

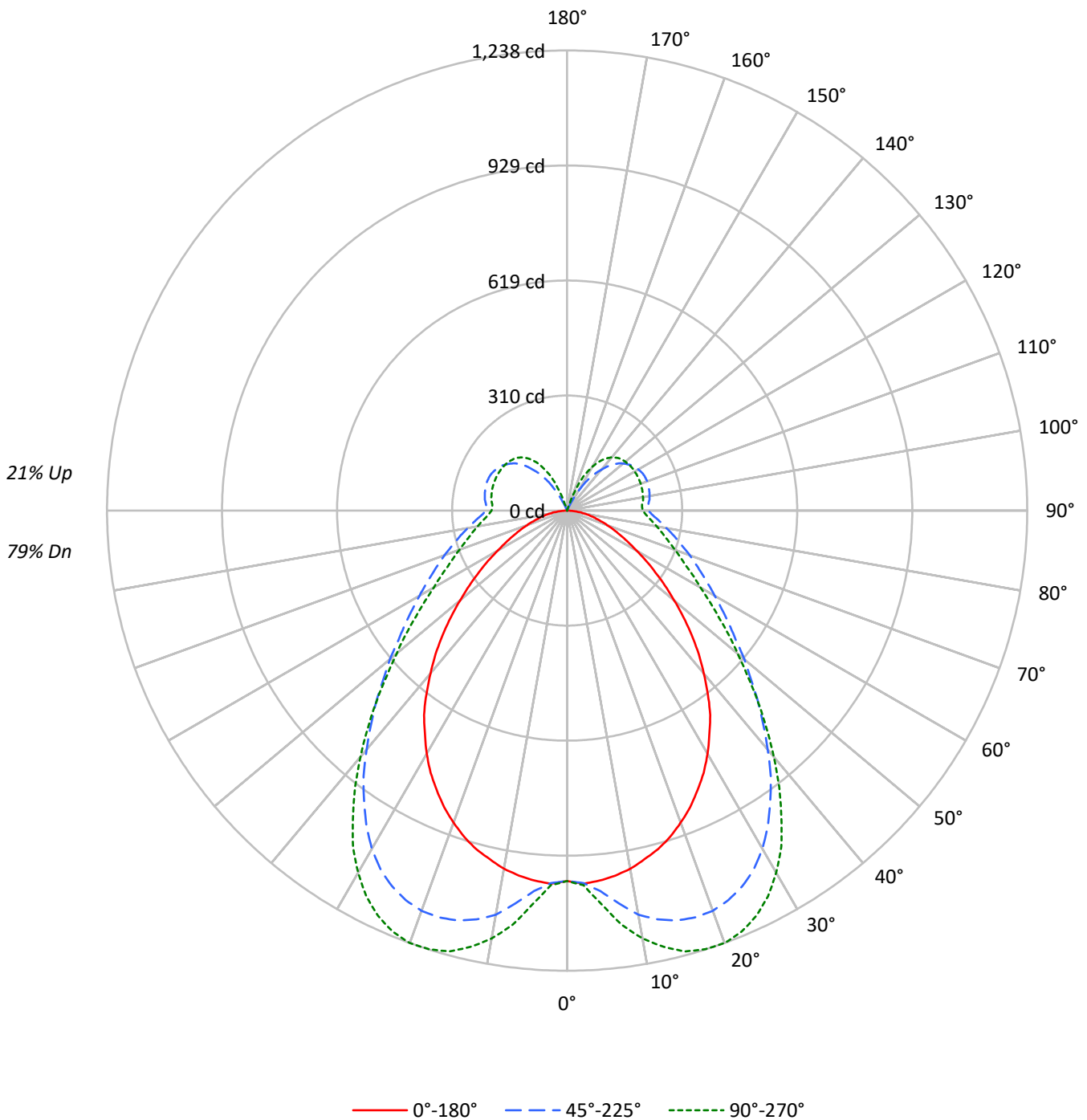
Input Watts (W): 29  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P232566

CATALOG NUMBER: 4SKB1-LD5-4-W-UNV-L850-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P232566

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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   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 99 | 99 | 99 | 91 | 91 | 91 | 83 | 83 | 83 | 79 |
| 1   | 103 | 97  | 93  | 88  | 98  | 93  | 89  | 85  | 85 | 82 | 78 | 77 | 75 | 72 | 70 | 68 | 67 | 63 |
| 2   | 93  | 85  | 78  | 72  | 89  | 81  | 75  | 69  | 74 | 69 | 64 | 68 | 63 | 60 | 62 | 58 | 55 | 52 |
| 3   | 85  | 74  | 66  | 60  | 81  | 71  | 64  | 58  | 65 | 59 | 54 | 60 | 55 | 51 | 55 | 51 | 47 | 44 |
| 4   | 78  | 66  | 57  | 51  | 74  | 63  | 55  | 49  | 58 | 51 | 46 | 53 | 48 | 43 | 49 | 44 | 41 | 38 |
| 5   | 72  | 59  | 50  | 44  | 68  | 57  | 49  | 42  | 52 | 45 | 40 | 48 | 42 | 38 | 44 | 39 | 36 | 33 |
| 6   | 66  | 53  | 44  | 38  | 63  | 51  | 43  | 37  | 47 | 40 | 35 | 44 | 38 | 33 | 40 | 35 | 31 | 29 |
| 7   | 61  | 48  | 40  | 34  | 58  | 46  | 38  | 33  | 43 | 36 | 31 | 40 | 34 | 30 | 37 | 32 | 28 | 26 |
| 8   | 57  | 44  | 36  | 30  | 54  | 42  | 35  | 29  | 39 | 33 | 28 | 36 | 31 | 26 | 34 | 29 | 25 | 23 |
| 9   | 53  | 40  | 32  | 27  | 51  | 39  | 31  | 26  | 36 | 30 | 25 | 34 | 28 | 24 | 31 | 26 | 23 | 21 |
| 10  | 50  | 37  | 29  | 24  | 48  | 36  | 29  | 24  | 33 | 27 | 23 | 31 | 26 | 22 | 29 | 24 | 21 | 19 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 10726 | 10726 | 10726 |
| 5°  | 10731 | 10311 | 10419 |
| 10° | 10560 | 10450 | 10596 |
| 15° | 10311 | 10301 | 10425 |
| 20° | 9968  | 9949  | 9956  |
| 25° | 9533  | 9402  | 9258  |
| 30° | 9010  | 8672  | 8353  |
| 35° | 8393  | 7759  | 7263  |
| 40° | 7569  | 6798  | 6143  |
| 45° | 6714  | 5886  | 5094  |
| 50° | 5791  | 5093  | 4197  |
| 55° | 4919  | 4426  | 3490  |
| 60° | 4129  | 3923  | 2947  |
| 65° | 3495  | 3531  | 2573  |
| 70° | 3005  | 3240  | 2309  |
| 75° | 2557  | 2992  | 2118  |
| 80° | 2092  | 2812  | 1991  |
| 85° | 1408  | 2702  | 1897  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.6  | 2.4       |
| 10°-20°   | 316.3  | 7.6       |
| 20°-30°   | 495.6  | 11.9      |
| 30°-40°   | 567.6  | 13.7      |
| 40°-50°   | 522.7  | 12.6      |
| 50°-60°   | 429.0  | 10.3      |
| 60°-70°   | 343.0  | 8.3       |
| 70°-80°   | 275.5  | 6.6       |
| 80°-90°   | 219.2  | 5.3       |
| 90°-100°  | 195.9  | 4.7       |
| 100°-110° | 190.8  | 4.6       |
| 110°-120° | 172.9  | 4.2       |
| 120°-130° | 142.9  | 3.4       |
| 130°-140° | 102.5  | 2.5       |
| 140°-150° | 57.0   | 1.4       |
| 150°-160° | 17.1   | 0.4       |
| 160°-170° | 0.4    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 912.5  | 22.0      |
| 0°-40°    | 1480.1 | 35.7      |
| 0°-60°    | 2431.8 | 58.6      |
| 0°-90°    | 3269.5 | 78.8      |
| 90°-120°  | 559.6  | 13.5      |
| 90°-150°  | 861.9  | 20.8      |
| 90°-180°  | 879.0  | 21.2      |
| 0°-180°   | 4149.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 996  | 996   | 996  | 996   | 996  |      |
| 5°   | 1000 | 1010  | 1028 | 1063  | 1063 | 95   |
| 15°  | 943  | 1039  | 1142 | 1213  | 1228 | 265  |
| 25°  | 830  | 988   | 1115 | 1194  | 1204 | 382  |
| 35°  | 671  | 835   | 953  | 1009  | 1004 | 417  |
| 45°  | 473  | 630   | 726  | 745   | 725  | 365  |
| 55°  | 289  | 453   | 531  | 517   | 496  | 261  |
| 65°  | 159  | 332   | 399  | 372   | 354  | 159  |
| 75°  | 78   | 253   | 307  | 284   | 273  | 84   |
| 85°  | 21   | 192   | 241  | 226   | 220  | 23   |
| 90°  | 1    | 170   | 218  | 208   | 204  | 2    |
| 95°  | 1    | 169   | 220  | 208   | 202  | 0    |
| 105° | 1    | 165   | 228  | 217   | 209  | 1    |
| 115° | 1    | 149   | 227  | 221   | 211  | 1    |
| 125° | 1    | 116   | 212  | 219   | 208  | 1    |
| 135° | 1    | 42    | 176  | 205   | 199  | 0    |
| 145° | 1    | 2     | 108  | 165   | 167  | 0    |
| 155° | 1    | 1     | 17   | 77    | 97   | 0    |
| 165° | 0    | 0     | 0    | 0     | 0    | 0    |
| 175° | 0    | 0     | 0    | 0     | 0    | 0    |
| 180° | 0    | 0     | 0    | 0     | 0    | 0    |



TEST NUMBER: P232566

CATALOG NUMBER: 4SKB1-LD5-4-W-UNV-L850-CD1-U

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°   | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 996.5  | 996.5  | 996.5 | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  |
| 2.5°   | 1004.8 | 1000.7 | 997.7 | 1000.7 | 1001.9 | 1003.1 | 1006.0 | 1005.4 | 1006.0 | 1004.8 | 1003.1 |
| 5°     | 999.5  | 995.9  | 994.7 | 1000.7 | 1006.6 | 1009.6 | 1013.8 | 1018.0 | 1021.6 | 1026.3 | 1027.5 |
| 7.5°   | 990.5  | 988.7  | 989.9 | 1000.7 | 1010.2 | 1017.4 | 1023.3 | 1034.1 | 1044.8 | 1055.6 | 1065.7 |
| 10°    | 978.6  | 977.4  | 982.8 | 998.9  | 1014.4 | 1024.5 | 1034.7 | 1054.4 | 1072.9 | 1089.6 | 1103.9 |
| 12.5°  | 960.7  | 963.7  | 972.6 | 994.1  | 1018.6 | 1032.9 | 1049.0 | 1073.5 | 1093.2 | 1112.3 | 1126.6 |
| 15°    | 943.4  | 945.2  | 962.5 | 988.1  | 1016.8 | 1038.9 | 1055.6 | 1086.6 | 1106.9 | 1126.6 | 1141.5 |
| 17.5°  | 920.7  | 924.9  | 944.0 | 980.4  | 1015.6 | 1035.3 | 1055.6 | 1080.0 | 1104.5 | 1127.2 | 1147.5 |
| 20°    | 893.3  | 902.2  | 927.9 | 967.9  | 1007.8 | 1027.5 | 1045.4 | 1075.3 | 1100.3 | 1122.4 | 1145.7 |
| 22.5°  | 864.0  | 874.2  | 902.8 | 950.5  | 991.7  | 1011.4 | 1028.7 | 1061.5 | 1087.2 | 1109.3 | 1134.3 |
| 25°    | 830.0  | 843.1  | 877.2 | 928.5  | 967.9  | 988.1  | 1006.6 | 1040.1 | 1066.9 | 1089.0 | 1115.2 |
| 27.5°  | 795.4  | 810.3  | 847.3 | 899.2  | 939.8  | 958.9  | 978.0  | 1011.4 | 1038.3 | 1060.3 | 1087.8 |
| 30°    | 755.4  | 771.5  | 813.3 | 863.4  | 903.4  | 924.3  | 941.6  | 974.4  | 1003.7 | 1023.3 | 1050.8 |
| 32.5°  | 712.5  | 731.0  | 775.7 | 824.0  | 864.0  | 883.7  | 901.0  | 932.6  | 958.9  | 979.8  | 1004.8 |
| 35°    | 671.3  | 686.2  | 731.6 | 778.7  | 816.9  | 834.8  | 855.1  | 885.5  | 908.8  | 930.3  | 952.9  |
| 37.5°  | 621.8  | 639.7  | 685.6 | 730.4  | 768.6  | 787.6  | 804.4  | 832.4  | 853.9  | 874.2  | 899.8  |
| 40°    | 571.6  | 591.3  | 639.1 | 679.0  | 718.4  | 733.3  | 750.1  | 775.7  | 796.0  | 821.1  | 839.6  |
| 42.5°  | 524.5  | 543.0  | 588.3 | 628.9  | 665.9  | 680.8  | 696.9  | 723.8  | 741.1  | 762.6  | 781.1  |
| 45°    | 473.2  | 492.3  | 540.6 | 578.8  | 614.0  | 630.1  | 646.8  | 668.9  | 688.6  | 705.9  | 725.6  |
| 47.5°  | 424.3  | 446.9  | 493.5 | 529.3  | 565.1  | 580.0  | 594.3  | 617.6  | 637.3  | 655.8  | 669.5  |
| 50°    | 375.9  | 400.4  | 445.7 | 484.5  | 518.5  | 533.5  | 547.8  | 571.0  | 591.3  | 607.4  | 621.8  |
| 52.5°  | 331.8  | 357.4  | 404.0 | 444.5  | 475.0  | 490.5  | 504.8  | 527.5  | 547.8  | 562.7  | 572.2  |
| 55°    | 289.4  | 318.0  | 366.4 | 405.8  | 436.2  | 452.9  | 464.2  | 488.1  | 508.4  | 522.1  | 531.1  |
| 57.5°  | 252.4  | 284.0  | 330.0 | 370.6  | 402.2  | 417.1  | 430.8  | 453.5  | 472.6  | 485.7  | 492.9  |
| 60°    | 216.0  | 251.2  | 298.9 | 338.3  | 370.6  | 384.9  | 399.8  | 422.5  | 440.4  | 452.3  | 458.9  |
| 62.5°  | 185.6  | 222.6  | 272.1 | 310.3  | 343.1  | 357.4  | 370.6  | 393.2  | 410.5  | 422.5  | 427.8  |
| 65°    | 158.7  | 197.5  | 247.6 | 285.8  | 317.4  | 332.4  | 346.1  | 369.4  | 385.5  | 396.8  | 399.2  |
| 67.5°  | 135.5  | 174.8  | 225.6 | 263.1  | 296.0  | 309.7  | 323.4  | 346.7  | 362.2  | 371.7  | 373.5  |
| 70°    | 114.6  | 154.5  | 205.3 | 242.9  | 275.1  | 290.0  | 303.7  | 324.6  | 340.7  | 348.5  | 350.9  |
| 72.5°  | 95.5   | 137.2  | 186.2 | 225.0  | 257.2  | 270.9  | 284.0  | 306.1  | 321.0  | 328.2  | 327.6  |
| 75°    | 78.2   | 121.1  | 170.1 | 208.2  | 238.7  | 253.0  | 266.1  | 287.6  | 302.5  | 308.5  | 307.3  |
| 77.5°  | 63.3   | 107.4  | 154.5 | 191.5  | 222.6  | 236.9  | 248.8  | 270.3  | 284.0  | 290.6  | 289.4  |
| 80°    | 47.7   | 92.5   | 139.6 | 176.0  | 207.1  | 220.2  | 233.3  | 253.6  | 267.3  | 273.9  | 270.9  |
| 82.5°  | 34.6   | 78.8   | 125.9 | 161.7  | 192.1  | 205.9  | 217.8  | 238.7  | 251.8  | 257.2  | 255.4  |
| 85°    | 20.9   | 65.0   | 111.0 | 148.0  | 178.4  | 191.5  | 204.7  | 224.4  | 237.5  | 242.9  | 241.1  |
| 87.5°  | 9.0    | 52.5   | 98.5  | 135.5  | 165.9  | 179.0  | 191.5  | 211.2  | 223.8  | 229.1  | 227.3  |
| 90°    | 1.2    | 44.2   | 90.7  | 127.1  | 156.9  | 170.1  | 182.6  | 202.3  | 214.8  | 220.2  | 218.4  |
| 92.5°  | 0.6    | 42.4   | 88.3  | 124.7  | 154.5  | 168.3  | 180.2  | 200.5  | 213.6  | 218.4  | 217.8  |
| 95°    | 0.6    | 39.4   | 87.1  | 124.7  | 155.1  | 168.9  | 181.4  | 201.7  | 214.8  | 220.2  | 219.6  |
| 97.5°  | 0.6    | 35.2   | 85.3  | 124.1  | 155.7  | 170.1  | 182.6  | 204.1  | 217.8  | 223.8  | 223.2  |
| 100°   | 0.6    | 28.6   | 81.7  | 122.3  | 154.5  | 169.5  | 182.0  | 204.1  | 218.4  | 225.0  | 225.0  |
| 102.5° | 0.6    | 19.7   | 77.6  | 119.3  | 153.4  | 167.7  | 180.8  | 203.5  | 218.4  | 225.6  | 226.7  |
| 105°   | 0.6    | 11.9   | 72.2  | 115.8  | 150.4  | 165.3  | 179.0  | 202.3  | 217.8  | 226.2  | 227.9  |
| 107.5° | 0.6    | 7.8    | 65.6  | 111.6  | 147.4  | 162.9  | 176.6  | 200.5  | 216.6  | 226.2  | 228.5  |
| 110°   | 0.6    | 6.6    | 57.3  | 106.8  | 143.2  | 158.7  | 173.0  | 198.1  | 214.8  | 225.6  | 229.1  |



TEST NUMBER: P232566

CATALOG NUMBER: 4SKB1-LD5-4-W-UNV-L850-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10°  | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 0.6 | 5.4 | 44.2 | 100.2 | 138.4 | 154.5 | 169.5 | 193.9 | 212.4 | 223.2 | 228.5 |
| 115°   | 0.6 | 4.2 | 28.6 | 92.5  | 132.5 | 149.2 | 164.1 | 189.8 | 208.2 | 220.8 | 227.3 |
| 117.5° | 0.6 | 3.6 | 18.5 | 83.5  | 125.9 | 142.6 | 158.1 | 184.4 | 204.1 | 217.2 | 225.0 |
| 120°   | 0.6 | 3.0 | 7.8  | 71.6  | 117.6 | 135.5 | 151.0 | 177.2 | 198.1 | 212.4 | 221.4 |
| 122.5° | 0.6 | 2.4 | 6.0  | 53.7  | 108.0 | 126.5 | 142.6 | 170.1 | 190.9 | 207.1 | 216.6 |
| 125°   | 0.6 | 2.4 | 4.8  | 34.6  | 96.1  | 116.4 | 133.7 | 161.7 | 183.8 | 200.5 | 211.8 |
| 127.5° | 0.6 | 1.8 | 4.2  | 23.3  | 81.7  | 104.4 | 122.9 | 152.2 | 174.8 | 192.1 | 204.7 |
| 130°   | 0.6 | 1.8 | 3.6  | 10.1  | 60.9  | 89.5  | 109.8 | 140.8 | 164.7 | 183.2 | 196.9 |
| 132.5° | 0.6 | 1.2 | 3.0  | 4.2   | 37.6  | 69.2  | 93.1  | 126.5 | 152.8 | 172.4 | 188.0 |
| 135°   | 0.6 | 1.2 | 2.4  | 3.6   | 25.1  | 42.4  | 72.8  | 110.4 | 137.2 | 158.1 | 176.0 |
| 137.5° | 0.6 | 1.2 | 1.8  | 3.0   | 10.1  | 28.0  | 44.8  | 92.5  | 120.5 | 142.6 | 161.1 |
| 140°   | 0.6 | 1.2 | 1.8  | 2.4   | 3.0   | 13.1  | 30.4  | 70.4  | 102.0 | 125.9 | 143.8 |
| 142.5° | 0.6 | 1.2 | 1.8  | 1.8   | 2.4   | 3.0   | 14.9  | 41.2  | 81.7  | 107.4 | 127.1 |
| 145°   | 0.6 | 0.6 | 1.2  | 1.8   | 1.8   | 1.8   | 2.4   | 28.0  | 53.1  | 87.1  | 108.0 |
| 147.5° | 0.6 | 0.6 | 1.2  | 1.2   | 1.8   | 1.8   | 1.8   | 11.3  | 32.8  | 61.5  | 87.1  |
| 150°   | 0.6 | 0.6 | 1.2  | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 16.7  | 33.4  | 59.1  |
| 152.5° | 0.6 | 0.6 | 0.6  | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.8   | 19.1  | 32.8  |
| 155°   | 0.6 | 0.6 | 0.6  | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 1.8   | 16.7  |
| 157.5° | 0.6 | 0.6 | 0.6  | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 160°   | 0.6 | 0.6 | 0.6  | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   | 0.6   |
| 162.5° | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 165°   | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 167.5° | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 172.5° | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 0.0 | 0.0 | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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CATALOG NUMBER: 4SKB1-LD5-4-W-UNV-L850-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  | 996.5  |
| 2.5°   | 1006.0 | 1011.4 | 1013.8 | 1016.2 | 1016.8 | 1017.4 | 1016.2 | 1015.6 | 1011.4 | 1009.0 |
| 5°     | 1035.9 | 1049.0 | 1054.4 | 1062.1 | 1062.7 | 1063.3 | 1066.9 | 1065.1 | 1065.7 | 1062.7 |
| 7.5°   | 1079.4 | 1098.5 | 1106.9 | 1117.0 | 1119.4 | 1122.4 | 1128.4 | 1129.0 | 1128.4 | 1124.2 |
| 10°    | 1120.0 | 1136.1 | 1148.7 | 1158.2 | 1161.8 | 1164.2 | 1171.3 | 1173.1 | 1171.9 | 1168.9 |
| 12.5°  | 1144.5 | 1165.4 | 1177.9 | 1191.6 | 1195.2 | 1198.8 | 1204.7 | 1207.7 | 1204.1 | 1202.4 |
| 15°    | 1165.4 | 1187.4 | 1197.6 | 1212.5 | 1213.1 | 1219.7 | 1229.8 | 1231.0 | 1229.2 | 1228.0 |
| 17.5°  | 1170.7 | 1193.4 | 1208.3 | 1221.5 | 1226.2 | 1230.4 | 1236.4 | 1241.1 | 1241.7 | 1237.0 |
| 20°    | 1169.5 | 1191.0 | 1208.9 | 1222.6 | 1228.0 | 1231.0 | 1238.8 | 1242.3 | 1240.5 | 1238.2 |
| 22.5°  | 1160.0 | 1181.5 | 1199.4 | 1211.3 | 1216.1 | 1220.9 | 1228.0 | 1231.0 | 1231.0 | 1226.2 |
| 25°    | 1140.3 | 1161.8 | 1177.3 | 1189.8 | 1194.0 | 1198.8 | 1205.9 | 1207.7 | 1206.5 | 1203.6 |
| 27.5°  | 1112.3 | 1131.3 | 1146.9 | 1157.6 | 1161.8 | 1166.0 | 1173.7 | 1175.5 | 1173.1 | 1170.1 |
| 30°    | 1071.1 | 1090.8 | 1106.3 | 1115.8 | 1119.4 | 1122.4 | 1127.2 | 1131.3 | 1127.8 | 1124.8 |
| 32.5°  | 1026.3 | 1044.2 | 1055.0 | 1063.9 | 1066.3 | 1068.7 | 1073.5 | 1075.3 | 1071.7 | 1072.3 |
| 35°    | 973.8  | 989.3  | 1001.9 | 1007.8 | 1009.0 | 1008.4 | 1010.8 | 1011.4 | 1012.0 | 1004.3 |
| 37.5°  | 916.5  | 930.3  | 936.2  | 944.6  | 942.8  | 945.8  | 948.2  | 945.8  | 939.8  | 936.8  |
| 40°    | 855.1  | 864.0  | 874.2  | 877.2  | 875.4  | 879.5  | 878.3  | 874.2  | 867.6  | 865.2  |
| 42.5°  | 794.2  | 804.4  | 807.9  | 810.3  | 808.5  | 809.1  | 806.7  | 805.5  | 799.0  | 793.6  |
| 45°    | 736.3  | 743.5  | 745.3  | 744.7  | 744.7  | 741.7  | 738.7  | 733.9  | 728.0  | 725.0  |
| 47.5°  | 679.6  | 684.4  | 685.0  | 682.0  | 679.6  | 676.1  | 676.7  | 668.3  | 661.1  | 657.6  |
| 50°    | 627.1  | 628.9  | 627.1  | 621.8  | 620.6  | 616.4  | 614.0  | 607.4  | 600.9  | 599.1  |
| 52.5°  | 580.0  | 579.4  | 575.8  | 569.9  | 567.5  | 563.3  | 559.1  | 553.1  | 546.6  | 546.6  |
| 55°    | 534.0  | 532.3  | 527.5  | 520.9  | 517.3  | 515.6  | 510.2  | 503.6  | 498.8  | 495.9  |
| 57.5°  | 494.1  | 490.5  | 484.5  | 478.6  | 473.8  | 469.0  | 465.4  | 460.7  | 454.7  | 453.5  |
| 60°    | 458.3  | 451.1  | 445.7  | 439.2  | 435.6  | 431.4  | 426.6  | 423.1  | 418.3  | 413.5  |
| 62.5°  | 424.9  | 418.9  | 411.7  | 405.2  | 401.6  | 398.0  | 393.2  | 387.9  | 384.9  | 383.7  |
| 65°    | 395.6  | 389.6  | 381.3  | 374.7  | 371.7  | 368.2  | 364.6  | 358.6  | 356.8  | 353.8  |
| 67.5°  | 369.4  | 361.6  | 353.8  | 347.9  | 344.9  | 343.7  | 340.1  | 336.5  | 332.4  | 330.0  |
| 70°    | 344.9  | 337.1  | 330.0  | 325.8  | 322.2  | 321.0  | 318.0  | 313.3  | 310.3  | 308.5  |
| 72.5°  | 321.6  | 315.1  | 309.1  | 303.1  | 300.7  | 300.1  | 297.8  | 294.2  | 291.2  | 289.4  |
| 75°    | 301.9  | 295.4  | 289.4  | 286.4  | 284.0  | 282.2  | 281.0  | 277.5  | 275.7  | 272.7  |
| 77.5°  | 284.6  | 276.9  | 271.5  | 268.5  | 266.7  | 265.5  | 264.3  | 262.5  | 260.2  | 258.4  |
| 80°    | 266.1  | 260.2  | 256.0  | 253.0  | 251.8  | 250.6  | 249.4  | 248.2  | 246.4  | 244.6  |
| 82.5°  | 250.6  | 245.2  | 241.7  | 239.3  | 239.3  | 238.1  | 237.5  | 236.3  | 234.5  | 232.1  |
| 85°    | 235.7  | 230.9  | 227.9  | 226.7  | 226.2  | 225.6  | 225.0  | 223.8  | 222.0  | 220.2  |
| 87.5°  | 223.2  | 219.6  | 216.6  | 216.0  | 216.0  | 215.4  | 214.8  | 214.2  | 212.4  | 210.6  |
| 90°    | 214.8  | 211.2  | 209.4  | 208.8  | 208.2  | 208.2  | 208.2  | 207.1  | 205.3  | 203.5  |
| 92.5°  | 213.6  | 210.0  | 208.2  | 207.1  | 207.1  | 207.1  | 207.1  | 205.9  | 204.1  | 201.7  |
| 95°    | 215.4  | 211.8  | 210.0  | 208.8  | 208.2  | 208.2  | 207.7  | 206.5  | 204.7  | 202.3  |
| 97.5°  | 219.6  | 216.0  | 213.6  | 211.8  | 211.2  | 211.2  | 210.6  | 209.4  | 207.7  | 205.9  |
| 100°   | 222.0  | 218.4  | 216.0  | 214.2  | 213.6  | 213.0  | 212.4  | 211.2  | 209.4  | 207.1  |
| 102.5° | 223.8  | 220.2  | 217.2  | 216.0  | 215.4  | 214.8  | 213.6  | 212.4  | 210.6  | 208.2  |
| 105°   | 225.0  | 222.0  | 219.6  | 217.2  | 216.6  | 216.0  | 214.8  | 213.6  | 211.2  | 209.4  |
| 107.5° | 226.7  | 223.8  | 220.8  | 219.0  | 217.8  | 217.2  | 216.0  | 214.8  | 212.4  | 210.0  |
| 110°   | 227.3  | 225.0  | 222.0  | 220.2  | 219.0  | 218.4  | 216.6  | 214.8  | 212.4  | 210.6  |





TEST NUMBER: P232566

CATALOG NUMBER: 4SKB1-LD5-4-W-UNV-L850-CD1-U

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 227.9 | 226.2 | 223.2 | 220.8 | 220.2 | 219.0 | 217.2 | 215.4 | 213.0 | 210.6 |
| 115°   | 227.9 | 226.2 | 223.8 | 221.4 | 220.8 | 219.6 | 217.8 | 215.4 | 213.0 | 210.6 |
| 117.5° | 227.3 | 226.2 | 224.4 | 222.0 | 220.8 | 219.6 | 217.8 | 215.4 | 212.4 | 210.6 |
| 120°   | 225.6 | 225.6 | 223.8 | 222.0 | 220.8 | 219.6 | 217.2 | 214.8 | 212.4 | 210.0 |
| 122.5° | 222.6 | 223.8 | 222.6 | 220.8 | 220.2 | 219.0 | 217.2 | 214.2 | 211.2 | 209.4 |
| 125°   | 218.4 | 221.4 | 220.8 | 219.6 | 219.0 | 217.8 | 216.0 | 213.6 | 210.6 | 208.2 |
| 127.5° | 213.0 | 217.2 | 218.4 | 217.8 | 217.2 | 216.6 | 214.2 | 211.8 | 209.4 | 206.5 |
| 130°   | 206.5 | 211.8 | 214.2 | 214.2 | 214.2 | 213.6 | 212.4 | 210.0 | 207.1 | 204.7 |
| 132.5° | 198.1 | 204.7 | 208.2 | 210.0 | 210.0 | 210.0 | 208.8 | 207.1 | 204.7 | 201.7 |
| 135°   | 188.6 | 196.9 | 201.7 | 204.1 | 204.7 | 204.7 | 204.7 | 203.5 | 201.1 | 198.7 |
| 137.5° | 177.2 | 186.8 | 193.3 | 196.9 | 198.1 | 198.7 | 199.3 | 198.1 | 195.7 | 193.3 |
| 140°   | 160.5 | 174.2 | 182.6 | 187.4 | 188.6 | 190.3 | 191.5 | 190.3 | 188.6 | 186.8 |
| 142.5° | 143.8 | 158.1 | 170.1 | 176.6 | 177.8 | 179.6 | 181.4 | 181.4 | 179.6 | 177.8 |
| 145°   | 125.9 | 140.2 | 152.8 | 163.5 | 165.3 | 167.1 | 169.5 | 170.7 | 168.9 | 167.1 |
| 147.5° | 105.0 | 119.9 | 133.1 | 145.0 | 150.4 | 152.8 | 155.1 | 156.3 | 155.7 | 153.9 |
| 150°   | 82.9  | 99.1  | 111.6 | 123.5 | 128.9 | 136.0 | 139.0 | 139.6 | 139.0 | 137.2 |
| 152.5° | 50.1  | 73.4  | 87.7  | 99.6  | 104.4 | 111.0 | 119.3 | 121.1 | 119.9 | 118.7 |
| 155°   | 28.0  | 38.2  | 53.7  | 71.6  | 77.0  | 82.9  | 93.1  | 97.3  | 96.7  | 96.7  |
| 157.5° | 8.4   | 20.9  | 28.6  | 35.2  | 37.6  | 41.2  | 53.1  | 63.3  | 66.2  | 66.8  |
| 160°   | 0.6   | 0.6   | 7.2   | 14.3  | 17.9  | 21.5  | 27.4  | 31.0  | 31.6  | 32.2  |
| 162.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 165°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 167.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 172.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)