

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: P566589

Luminaire Tested: **4SNX-57SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-57SL-LN-UNV-L950-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

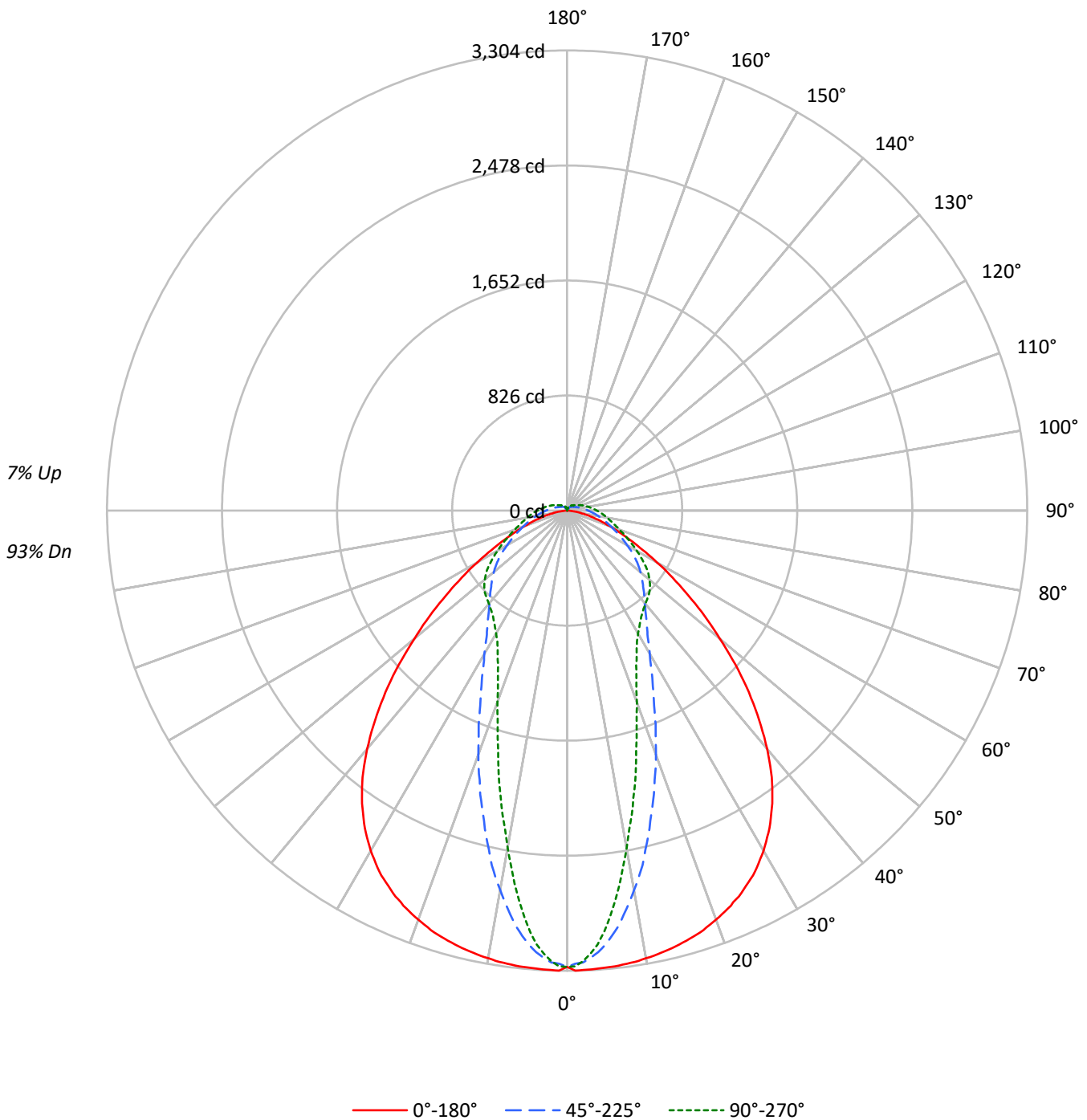
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5223.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 39.7  
Input Voltage (V): NR  
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

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### Luminous Intensity Polar Plot





TEST NUMBER: P566589

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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 | 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  | 88  | 89  | 87  | 85  | 85 | 83 | 81 | 78 |    |    |    |   |
| 2   | 99  | 91  | 84  | 79  | 95  | 88  | 82  | 77  | 84  | 79  | 75  | 79  | 75  | 72  | 76 | 72 | 69 | 67 |    |    |    |   |
| 3   | 91  | 81  | 73  | 67  | 88  | 79  | 72  | 66  | 75  | 69  | 64  | 71  | 66  | 62  | 68 | 64 | 60 | 58 |    |    |    |   |
| 4   | 84  | 73  | 64  | 58  | 81  | 71  | 63  | 57  | 67  | 61  | 56  | 64  | 59  | 54  | 62 | 57 | 53 | 51 |    |    |    |   |
| 5   | 78  | 66  | 57  | 51  | 75  | 64  | 56  | 51  | 61  | 55  | 49  | 59  | 53  | 48  | 56 | 51 | 47 | 45 |    |    |    |   |
| 6   | 72  | 60  | 51  | 45  | 70  | 59  | 51  | 45  | 56  | 49  | 44  | 54  | 48  | 43  | 52 | 46 | 42 | 40 |    |    |    |   |
| 7   | 67  | 55  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 45  | 40  | 50  | 44  | 39  | 48 | 42 | 38 | 36 |    |    |    |   |
| 8   | 63  | 51  | 43  | 37  | 61  | 50  | 42  | 37  | 48  | 41  | 36  | 46  | 40  | 36  | 44 | 39 | 35 | 33 |    |    |    |   |
| 9   | 59  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 44  | 38  | 33  | 43  | 37  | 33  | 41 | 36 | 32 | 30 |    |    |    |   |
| 10  | 56  | 44  | 36  | 31  | 54  | 43  | 36  | 31  | 41  | 35  | 31  | 40  | 34  | 30  | 39 | 34 | 30 | 28 |    |    |    |   |

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

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 35268 | 35268 | 35268 |
| 5°  | 35452 | 32415 | 31021 |
| 10° | 35403 | 27793 | 24067 |
| 15° | 35385 | 22671 | 18039 |
| 20° | 35273 | 18060 | 13500 |
| 25° | 34952 | 14152 | 10714 |
| 30° | 34219 | 11454 | 9139  |
| 35° | 32783 | 9693  | 8313  |
| 40° | 30325 | 8558  | 7868  |
| 45° | 26961 | 7829  | 7625  |
| 50° | 22839 | 7205  | 7203  |
| 55° | 18763 | 6528  | 6578  |
| 60° | 15005 | 5743  | 5771  |
| 65° | 11648 | 5042  | 5021  |
| 70° | 9045  | 4460  | 4441  |
| 75° | 6993  | 4008  | 4047  |
| 80° | 4939  | 3667  | 3763  |
| 85° | 2744  | 3418  | 3608  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 290.2  | 5.6       |
| 10°-20°   | 680.1  | 13.0      |
| 20°-30°   | 807.3  | 15.5      |
| 30°-40°   | 812.3  | 15.6      |
| 40°-50°   | 755.0  | 14.5      |
| 50°-60°   | 621.7  | 11.9      |
| 60°-70°   | 438.1  | 8.4       |
| 70°-80°   | 286.2  | 5.5       |
| 80°-90°   | 182.7  | 3.5       |
| 90°-100°  | 119.8  | 2.3       |
| 100°-110° | 81.4   | 1.6       |
| 110°-120° | 55.8   | 1.1       |
| 120°-130° | 38.6   | 0.7       |
| 130°-140° | 26.0   | 0.5       |
| 140°-150° | 16.0   | 0.3       |
| 150°-160° | 8.3    | 0.2       |
| 160°-170° | 3.0    | 0.1       |
| 170°-180° | 0.5    | 0.0       |
| 0°-30°    | 1777.6 | 34.0      |
| 0°-40°    | 2589.9 | 49.6      |
| 0°-60°    | 3966.7 | 75.9      |
| 0°-90°    | 4873.7 | 93.3      |
| 90°-120°  | 257.0  | 4.9       |
| 90°-150°  | 337.5  | 6.5       |
| 90°-180°  | 349.0  | 6.7       |
| 0°-180°   | 5223.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 3276 | 3276  | 3276 | 3276  | 3276 |      |
| 5°   | 3293 | 3249  | 3132 | 3071  | 3038 | 313  |
| 15°  | 3211 | 2869  | 2308 | 2017  | 1908 | 907  |
| 25°  | 3000 | 2217  | 1470 | 1234  | 1182 | 1381 |
| 35°  | 2568 | 1500  | 996  | 933   | 928  | 1597 |
| 45°  | 1845 | 988   | 772  | 813   | 835  | 1416 |
| 55°  | 1059 | 649   | 597  | 662   | 684  | 957  |
| 65°  | 498  | 391   | 411  | 463   | 479  | 505  |
| 75°  | 194  | 203   | 276  | 326   | 339  | 210  |
| 85°  | 33   | 93    | 186  | 241   | 252  | 41   |
| 90°  | 0    | 63    | 151  | 205   | 214  | 2    |
| 95°  | 0    | 46    | 126  | 172   | 181  | 0    |
| 105° | 0    | 33    | 85   | 120   | 131  | 0    |
| 115° | 3    | 27    | 60   | 88    | 93   | 2    |
| 125° | 3    | 22    | 49   | 63    | 68   | 2    |
| 135° | 3    | 19    | 38   | 49    | 52   | 2    |
| 145° | 3    | 14    | 27   | 38    | 41   | 2    |
| 155° | 3    | 11    | 19   | 27    | 30   | 1    |
| 165° | 3    | 6     | 11   | 14    | 16   | 1    |
| 175° | 6    | 6     | 6    | 6     | 3    | 0    |
| 180° | 3    | 3     | 3    | 3     | 3    |      |



TEST NUMBER: P566589

CATALOG NUMBER: 4SNX-57SL-LN-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 3276.5 | 3276.5 | 3276.5 | 3276.5 | 3276.5 |
| 1°    | 3303.9 | 3290.2 | 3254.6 | 3279.3 | 3273.8 |
| 2°    | 3301.2 | 3287.5 | 3246.4 | 3257.4 | 3238.2 |
| 3°    | 3298.4 | 3279.3 | 3216.3 | 3213.6 | 3186.2 |
| 4°    | 3295.7 | 3265.6 | 3178.0 | 3145.2 | 3123.3 |
| 5°    | 3293.0 | 3249.2 | 3131.5 | 3071.2 | 3038.4 |
| 6°    | 3290.2 | 3230.0 | 3071.2 | 2980.9 | 2934.4 |
| 7°    | 3284.8 | 3199.9 | 3008.3 | 2885.1 | 2824.9 |
| 8°    | 3279.3 | 3172.5 | 2928.9 | 2781.1 | 2707.2 |
| 9°    | 3273.8 | 3136.9 | 2849.5 | 2668.9 | 2581.3 |
| 10°   | 3262.9 | 3101.4 | 2767.4 | 2553.9 | 2460.8 |
| 11°   | 3257.4 | 3060.3 | 2688.0 | 2444.4 | 2334.9 |
| 12°   | 3246.4 | 3016.5 | 2603.2 | 2329.4 | 2233.6 |
| 13°   | 3235.5 | 2970.0 | 2499.2 | 2230.9 | 2115.9 |
| 14°   | 3224.5 | 2920.7 | 2408.8 | 2121.4 | 2014.7 |
| 15°   | 3210.8 | 2868.7 | 2307.5 | 2017.4 | 1907.9 |
| 16°   | 3197.2 | 2808.5 | 2217.2 | 1910.6 | 1795.7 |
| 17°   | 3183.5 | 2751.0 | 2132.4 | 1812.1 | 1708.1 |
| 18°   | 3167.1 | 2693.5 | 2033.8 | 1716.3 | 1615.0 |
| 19°   | 3145.2 | 2627.8 | 1954.4 | 1628.7 | 1535.6 |
| 20°   | 3126.0 | 2567.6 | 1864.1 | 1546.6 | 1464.5 |
| 21°   | 3104.1 | 2493.7 | 1773.8 | 1469.9 | 1387.8 |
| 22.5° | 3071.2 | 2389.7 | 1658.8 | 1374.1 | 1297.5 |
| 23°   | 3054.8 | 2359.5 | 1612.3 | 1338.5 | 1272.8 |
| 24°   | 3032.9 | 2280.2 | 1535.6 | 1283.8 | 1218.1 |
| 25°   | 3000.1 | 2217.2 | 1469.9 | 1234.5 | 1182.5 |
| 26°   | 2970.0 | 2140.6 | 1404.2 | 1190.7 | 1138.7 |
| 27°   | 2939.9 | 2066.7 | 1346.8 | 1144.2 | 1100.4 |
| 28°   | 2901.5 | 1990.0 | 1283.8 | 1105.9 | 1067.5 |
| 29°   | 2860.5 | 1918.8 | 1231.8 | 1073.0 | 1042.9 |
| 30°   | 2819.4 | 1839.5 | 1188.0 | 1042.9 | 1018.3 |
| 32.5° | 2704.4 | 1664.3 | 1075.8 | 985.4  | 969.0  |
| 35°   | 2567.6 | 1500.0 | 996.4  | 933.4  | 927.9  |
| 37.5° | 2414.3 | 1349.5 | 925.2  | 892.4  | 897.8  |
| 40°   | 2233.6 | 1212.6 | 865.0  | 862.2  | 873.2  |
| 42.5° | 2042.0 | 1094.9 | 818.5  | 837.6  | 854.0  |
| 45°   | 1844.9 | 988.2  | 771.9  | 813.0  | 834.9  |
| 47.5° | 1639.6 | 895.1  | 730.9  | 782.9  | 807.5  |
| 50°   | 1431.6 | 804.8  | 687.1  | 747.3  | 771.9  |
| 52.5° | 1245.5 | 725.4  | 643.3  | 706.2  | 733.6  |
| 55°   | 1059.3 | 648.7  | 596.7  | 662.4  | 684.3  |
| 57.5° | 897.8  | 577.6  | 547.5  | 613.2  | 629.6  |
| 60°   | 747.3  | 509.1  | 498.2  | 558.4  | 577.6  |
| 62.5° | 610.4  | 448.9  | 451.7  | 509.1  | 528.3  |
| 65°   | 498.2  | 391.4  | 410.6  | 462.6  | 479.0  |



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CATALOG NUMBER: 4SNX-57SL-LN-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 67.5°  | 405.1 | 336.7 | 369.5 | 424.3 | 438.0 |
| 70°    | 320.3 | 287.4 | 336.7 | 386.0 | 399.6 |
| 72.5°  | 254.6 | 243.6 | 303.8 | 355.8 | 366.8 |
| 75°    | 194.3 | 202.6 | 276.5 | 325.7 | 339.4 |
| 77.5°  | 139.6 | 169.7 | 249.1 | 301.1 | 312.1 |
| 80°    | 98.5  | 139.6 | 227.2 | 279.2 | 290.2 |
| 82.5°  | 63.0  | 115.0 | 205.3 | 260.0 | 271.0 |
| 85°    | 32.8  | 93.1  | 186.1 | 240.9 | 251.8 |
| 87.5°  | 13.7  | 76.6  | 167.0 | 221.7 | 232.7 |
| 90°    | 0.0   | 63.0  | 150.6 | 205.3 | 213.5 |
| 92.5°  | 0.0   | 54.7  | 136.9 | 188.9 | 197.1 |
| 95°    | 0.0   | 46.5  | 125.9 | 172.4 | 180.7 |
| 97.5°  | 0.0   | 43.8  | 112.2 | 158.8 | 167.0 |
| 100°   | 0.0   | 38.3  | 101.3 | 145.1 | 156.0 |
| 102.5° | 0.0   | 35.6  | 93.1  | 131.4 | 142.3 |
| 105°   | 0.0   | 32.8  | 84.9  | 120.4 | 131.4 |
| 107.5° | 0.0   | 30.1  | 79.4  | 112.2 | 120.4 |
| 110°   | 0.0   | 30.1  | 71.2  | 104.0 | 112.2 |
| 112.5° | 2.7   | 27.4  | 65.7  | 93.1  | 101.3 |
| 115°   | 2.7   | 27.4  | 60.2  | 87.6  | 93.1  |
| 117.5° | 2.7   | 27.4  | 57.5  | 79.4  | 84.9  |
| 120°   | 2.7   | 24.6  | 54.7  | 73.9  | 79.4  |
| 122.5° | 2.7   | 24.6  | 52.0  | 68.4  | 71.2  |
| 125°   | 2.7   | 21.9  | 49.3  | 63.0  | 68.4  |
| 127.5° | 2.7   | 21.9  | 46.5  | 60.2  | 63.0  |
| 130°   | 2.7   | 21.9  | 43.8  | 54.7  | 60.2  |
| 132.5° | 2.7   | 19.2  | 41.1  | 52.0  | 54.7  |
| 135°   | 2.7   | 19.2  | 38.3  | 49.3  | 52.0  |
| 137.5° | 2.7   | 16.4  | 35.6  | 46.5  | 49.3  |
| 140°   | 2.7   | 16.4  | 32.8  | 43.8  | 46.5  |
| 142.5° | 2.7   | 13.7  | 30.1  | 41.1  | 43.8  |
| 145°   | 2.7   | 13.7  | 27.4  | 38.3  | 41.1  |
| 147.5° | 2.7   | 13.7  | 24.6  | 35.6  | 38.3  |
| 150°   | 2.7   | 10.9  | 21.9  | 32.8  | 35.6  |
| 152.5° | 2.7   | 10.9  | 19.2  | 30.1  | 32.8  |
| 155°   | 2.7   | 10.9  | 19.2  | 27.4  | 30.1  |
| 157.5° | 2.7   | 8.2   | 16.4  | 21.9  | 27.4  |
| 160°   | 2.7   | 8.2   | 13.7  | 19.2  | 24.6  |
| 162.5° | 2.7   | 8.2   | 13.7  | 16.4  | 19.2  |
| 165°   | 2.7   | 5.5   | 10.9  | 13.7  | 16.4  |
| 167.5° | 2.7   | 5.5   | 8.2   | 10.9  | 13.7  |
| 170°   | 2.7   | 5.5   | 8.2   | 8.2   | 10.9  |
| 172.5° | 2.7   | 5.5   | 5.5   | 5.5   | 5.5   |
| 175°   | 5.5   | 5.5   | 5.5   | 5.5   | 2.7   |
| 177.5° | 5.5   | 5.5   | 5.5   | 2.7   | 2.7   |



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**CANDELA DISTRIBUTION (continued):**

|      |     |       |     |       |     |
|------|-----|-------|-----|-------|-----|
|      | 0°  | 22.5° | 45° | 67.5° | 90° |
| 180° | 2.7 | 2.7   | 2.7 | 2.7   | 2.7 |

(END OF REPORT)