

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: STREETWORKS

Report Number: P953577

Luminaire Tested: **GLAN-SB7A-830-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953577  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-830-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

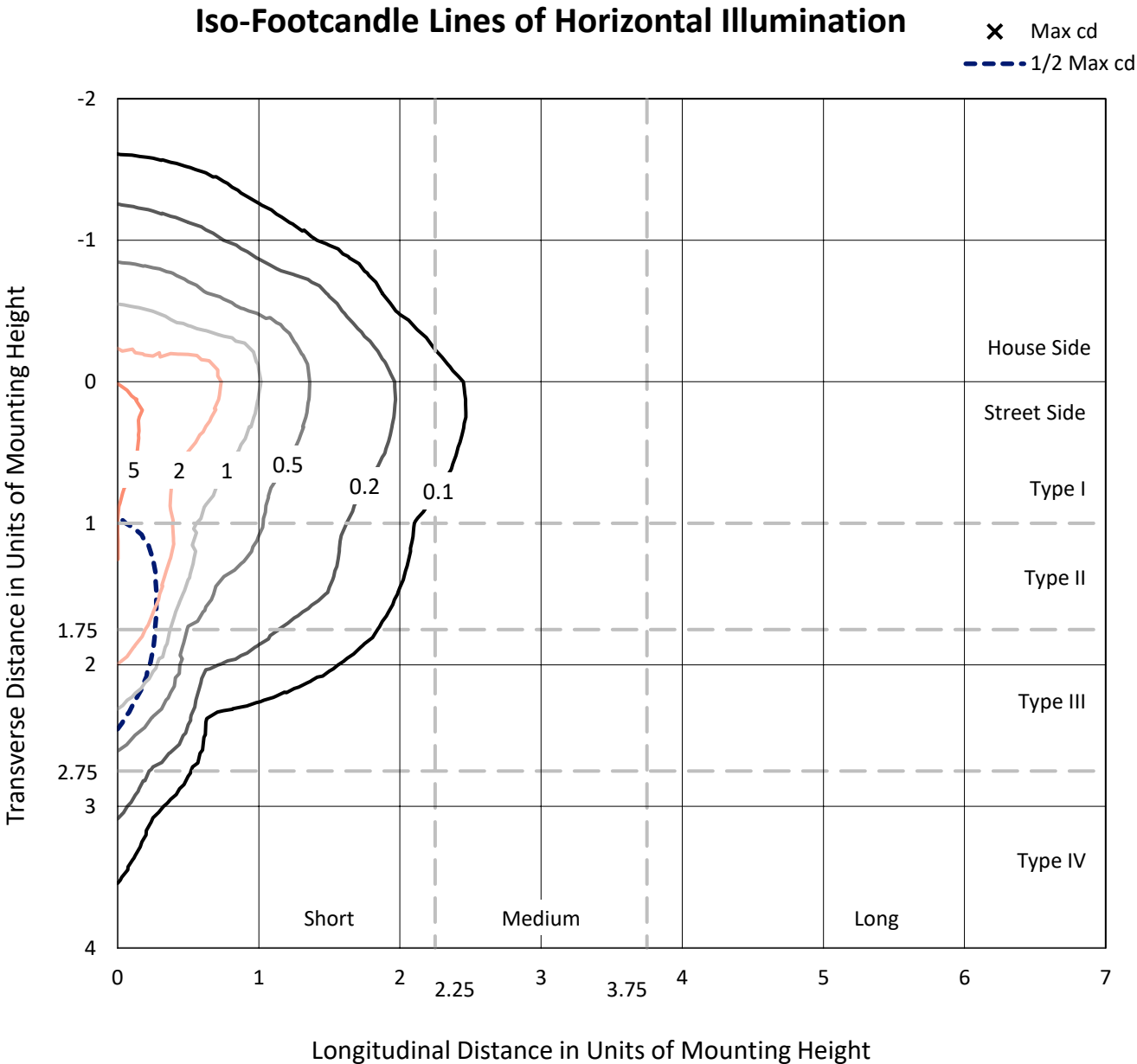
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21877 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 199.1  
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: 24 FT



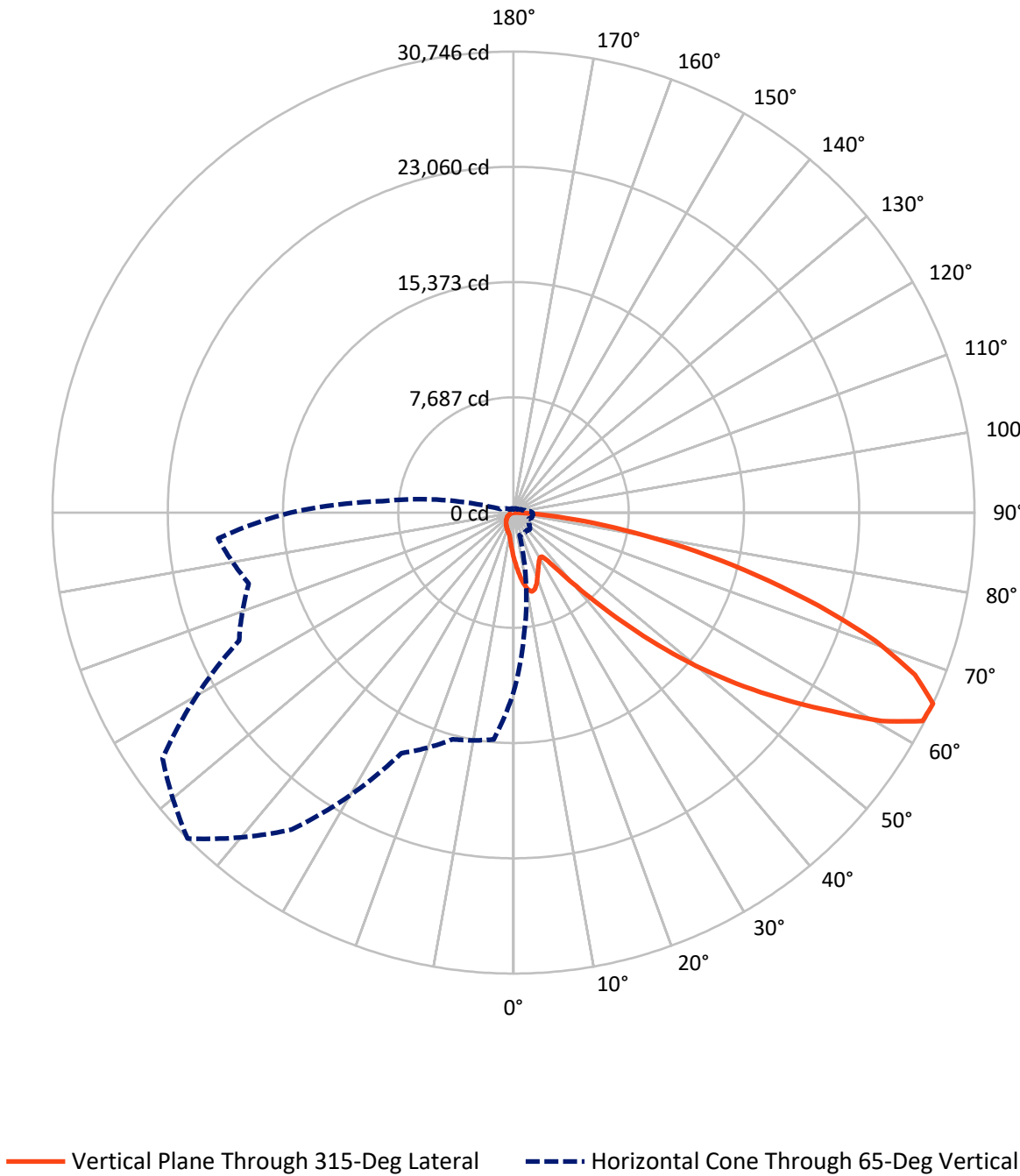
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Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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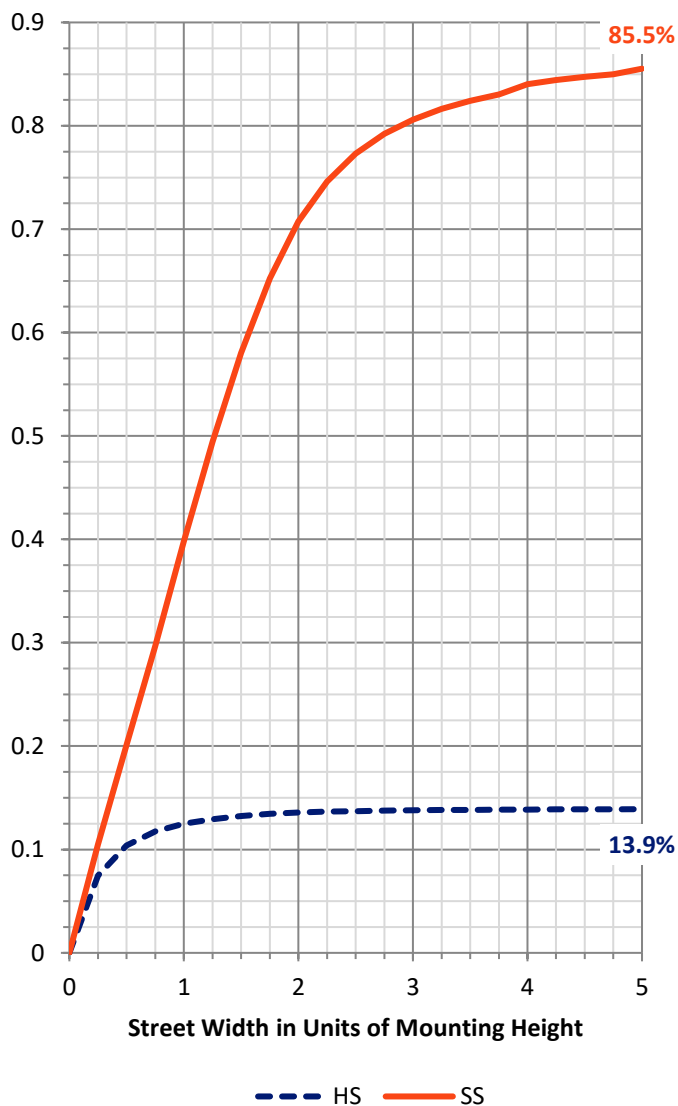
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3063.7   | 0.0    | 3063.7  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 18813.3  | 0.0    | 18813.3 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 21877.0  | 0.0    | 21877.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 298.2   | 1.4       |
| 10°-20°   | 894.0   | 4.1       |
| 20°-30°   | 1317.1  | 6.0       |
| 30°-40°   | 1692.1  | 7.7       |
| 40°-50°   | 2736.7  | 12.5      |
| 50°-60°   | 4799.0  | 21.9      |
| 60°-70°   | 6004.8  | 27.4      |
| 70°-80°   | 3509.0  | 16.0      |
| 80°-90°   | 626.1   | 2.9       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 21877.0 | 100.0     |
| 0°-180°   | 21877.0 | 100.0     |

**Coefficient of Utilization**



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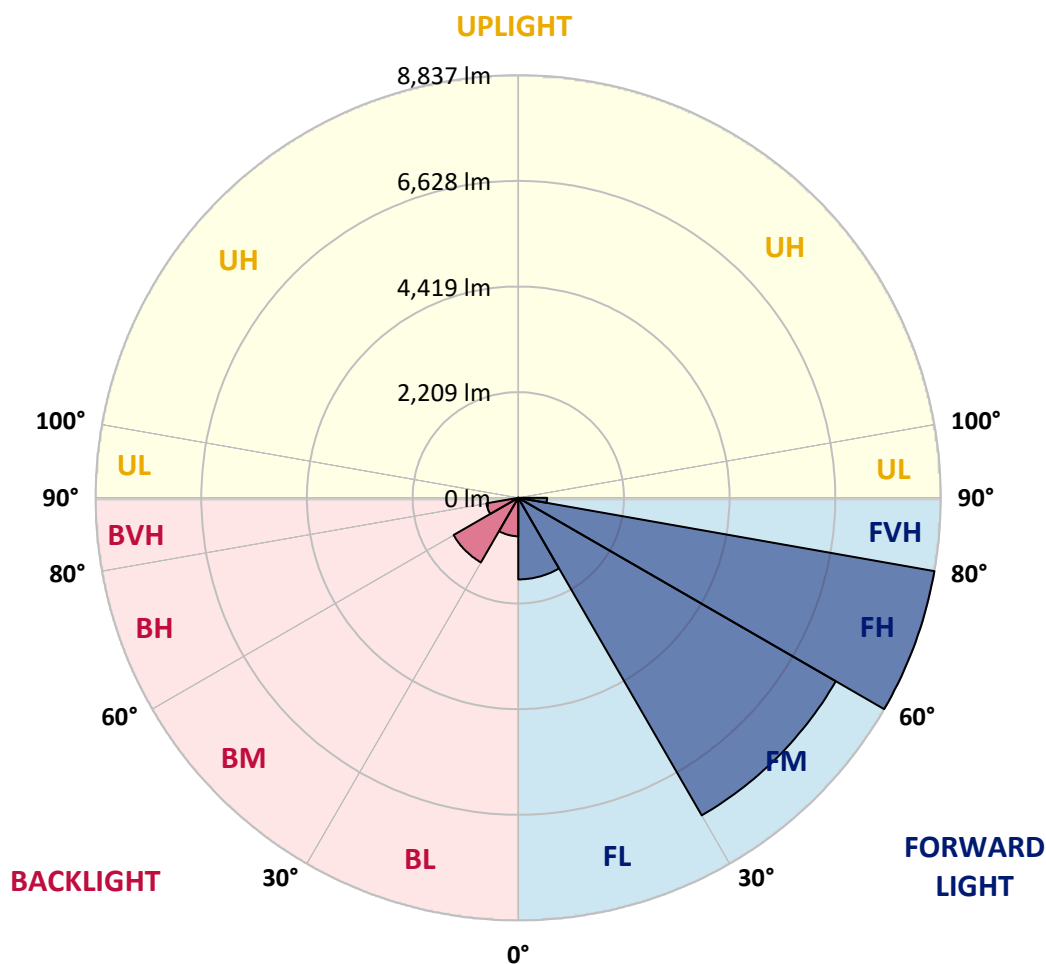
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1706.3 | 7.8       |                         |      |          |
| FM   | (30°-60°)   | 7667.6 | 35.0      |                         |      |          |
| FH   | (60°-80°)   | 8837.3 | 40.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 602.0  | 2.8       |                         |      | G4/750   |
| BL   | (0°-30°)    | 803.1  | 3.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1560.1 | 7.1       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 676.5  | 3.1       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 24.1   | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3029.3  | 3029.3  | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 |
| 2.5°  | 3422.6  | 3363.8  | 3329.2 | 3243.3 | 3157.4 | 3088.0 | 2994.6 | 2932.8 | 2859.0 | 2788.1 |
| 5°    | 3814.5  | 3719.5  | 3605.0 | 3448.2 | 3305.1 | 3158.9 | 3017.2 | 2877.0 | 2729.4 | 2593.7 |
| 7.5°  | 4146.0  | 4008.9  | 3806.9 | 3598.9 | 3416.6 | 3240.3 | 3074.5 | 2889.1 | 2709.8 | 2497.3 |
| 10°   | 4399.2  | 4224.4  | 3959.1 | 3686.4 | 3476.9 | 3299.0 | 3137.8 | 2981.0 | 2800.2 | 2544.0 |
| 12.5° | 4552.9  | 4366.1  | 4051.1 | 3731.6 | 3491.9 | 3293.0 | 3167.9 | 3098.6 | 3027.8 | 2773.1 |
| 15°   | 4666.0  | 4464.0  | 4115.9 | 3763.2 | 3457.3 | 3213.1 | 3121.2 | 3190.5 | 3271.9 | 3109.1 |
| 17.5° | 4783.5  | 4571.0  | 4200.3 | 3776.8 | 3363.8 | 3057.9 | 3018.7 | 3198.1 | 3386.4 | 3378.9 |
| 20°   | 4895.1  | 4684.1  | 4274.1 | 3767.7 | 3213.1 | 2869.5 | 2904.2 | 3133.3 | 3351.8 | 3443.7 |
| 22.5° | 5023.2  | 4800.1  | 4345.0 | 3733.1 | 3017.2 | 2693.2 | 2801.7 | 3030.8 | 3222.2 | 3330.7 |
| 25°   | 5179.9  | 4946.3  | 4444.4 | 3681.8 | 2806.2 | 2547.0 | 2697.7 | 2911.7 | 3066.9 | 3142.3 |
| 27.5° | 5348.7  | 5121.1  | 4577.1 | 3654.7 | 2635.9 | 2443.0 | 2580.1 | 2770.0 | 2908.7 | 2961.4 |
| 30°   | 5558.2  | 5324.6  | 4733.8 | 3624.6 | 2524.4 | 2382.7 | 2458.1 | 2605.8 | 2741.4 | 2794.2 |
| 32.5° | 5787.3  | 5550.6  | 4884.5 | 3552.2 | 2456.6 | 2337.5 | 2339.0 | 2432.5 | 2556.0 | 2619.3 |
| 35°   | 6073.6  | 5821.9  | 5045.8 | 3394.0 | 2402.3 | 2284.8 | 2223.0 | 2268.2 | 2370.7 | 2446.0 |
| 37.5° | 6482.0  | 6177.6  | 5243.2 | 3167.9 | 2322.4 | 2203.4 | 2100.9 | 2111.4 | 2189.8 | 2272.7 |
| 40°   | 7045.7  | 6655.3  | 5475.3 | 2932.8 | 2207.9 | 2088.8 | 1966.8 | 1962.2 | 2019.5 | 2100.9 |
| 42.5° | 7808.3  | 7286.8  | 5754.1 | 2708.3 | 2097.9 | 1950.2 | 1825.1 | 1817.6 | 1862.8 | 1933.6 |
| 45°   | 8815.0  | 8094.6  | 6096.2 | 2515.3 | 2012.0 | 1814.5 | 1691.0 | 1687.9 | 1725.6 | 1787.4 |
| 47.5° | 10103.6 | 9217.4  | 6438.3 | 2384.2 | 1966.8 | 1707.5 | 1580.9 | 1587.0 | 1620.1 | 1675.9 |
| 50°   | 11771.9 | 10680.8 | 6542.3 | 2317.9 | 1966.8 | 1650.3 | 1483.0 | 1513.1 | 1540.3 | 1582.5 |
| 52.5° | 13771.9 | 12085.4 | 6198.7 | 2257.6 | 1978.8 | 1657.8 | 1400.1 | 1464.9 | 1484.5 | 1520.7 |
| 55°   | 15625.6 | 12774.2 | 5329.1 | 2174.7 | 1981.8 | 1704.5 | 1329.3 | 1425.7 | 1461.9 | 1475.4 |
| 57.5° | 16701.6 | 12537.5 | 4308.8 | 2034.6 | 1969.8 | 1736.2 | 1284.0 | 1377.5 | 1446.8 | 1455.9 |
| 60°   | 16496.7 | 11707.1 | 3172.4 | 1927.6 | 1880.9 | 1724.1 | 1270.5 | 1303.6 | 1413.7 | 1427.2 |
| 62.5° | 14917.2 | 10314.6 | 2201.9 | 1844.7 | 1684.9 | 1671.4 | 1266.0 | 1187.6 | 1341.3 | 1374.5 |
| 65°   | 11990.5 | 8120.2  | 1555.3 | 1588.5 | 1477.0 | 1556.8 | 1241.8 | 1067.0 | 1253.9 | 1299.1 |
| 67.5° | 8699.0  | 5494.9  | 1122.8 | 1287.1 | 1338.3 | 1371.5 | 1187.6 | 979.6  | 1154.4 | 1214.7 |
| 70°   | 5582.3  | 2967.5  | 788.2  | 850.0  | 1127.3 | 1165.0 | 1094.2 | 901.2  | 1053.5 | 1122.8 |
| 72.5° | 3968.2  | 1752.8  | 566.7  | 595.3  | 905.8  | 970.6  | 963.0  | 813.8  | 935.9  | 1020.3 |
| 75°   | 2738.4  | 966.0   | 382.8  | 425.0  | 657.1  | 788.2  | 743.0  | 699.3  | 792.7  | 878.6  |
| 77.5° | 1716.6  | 432.5   | 229.1  | 295.4  | 431.0  | 619.4  | 509.4  | 541.0  | 617.9  | 697.8  |
| 80°   | 955.5   | 167.3   | 128.1  | 195.9  | 235.1  | 450.6  | 281.8  | 348.1  | 455.1  | 512.4  |
| 82.5° | 208.0   | 21.1    | 57.3   | 84.4   | 91.9   | 262.2  | 149.2  | 202.0  | 286.3  | 281.8  |
| 85°   | 0.0     | 0.0     | 10.5   | 12.1   | 6.0    | 113.0  | 54.3   | 66.3   | 93.4   | 87.4   |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.0    |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

| 90°    |       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3029.3 | 0°    | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 |
| 2724.8 | 2.5°  | 2712.8 | 2638.9 | 2584.7 | 2557.5 | 2534.9 | 2556.0 | 2568.1 | 2568.1 | 2619.3 | 2649.5 |
| 2510.8 | 5°    | 2458.1 | 2325.5 | 2224.5 | 2156.7 | 2116.0 | 2129.5 | 2144.6 | 2161.2 | 2226.0 | 2269.7 |
| 2384.2 | 7.5°  | 2281.7 | 2078.3 | 1924.6 | 1829.6 | 1779.9 | 1787.4 | 1798.0 | 1811.5 | 1874.8 | 1918.5 |
| 2402.3 | 10°   | 2248.6 | 1956.2 | 1739.2 | 1614.1 | 1553.8 | 1543.3 | 1537.2 | 1532.7 | 1570.4 | 1603.6 |
| 2607.3 | 12.5° | 2384.2 | 1962.2 | 1659.3 | 1507.1 | 1433.2 | 1401.6 | 1365.4 | 1336.8 | 1342.8 | 1363.9 |
| 2917.7 | 15°   | 2626.9 | 2039.1 | 1633.7 | 1451.3 | 1359.4 | 1306.7 | 1264.5 | 1229.8 | 1222.3 | 1229.8 |
| 3189.0 | 17.5° | 2904.2 | 2143.1 | 1630.7 | 1403.1 | 1288.6 | 1234.3 | 1199.6 | 1168.0 | 1157.5 | 1159.0 |
| 3341.2 | 20°   | 3088.0 | 2226.0 | 1621.6 | 1348.9 | 1220.7 | 1172.5 | 1142.4 | 1110.7 | 1100.2 | 1103.2 |
| 3299.0 | 22.5° | 3106.1 | 2269.7 | 1608.1 | 1288.6 | 1152.9 | 1112.2 | 1082.1 | 1053.5 | 1052.0 | 1052.0 |
| 3140.8 | 25°   | 3008.2 | 2269.7 | 1579.4 | 1234.3 | 1088.1 | 1052.0 | 1024.8 | 990.2  | 996.2  | 999.2  |
| 2961.4 | 27.5° | 2855.9 | 2215.4 | 1525.2 | 1190.6 | 1032.4 | 994.7  | 967.6  | 935.9  | 943.4  | 948.0  |
| 2794.2 | 30°   | 2705.2 | 2146.1 | 1460.4 | 1140.9 | 979.6  | 935.9  | 916.3  | 889.2  | 892.2  | 898.2  |
| 2628.4 | 32.5° | 2565.1 | 2072.3 | 1383.5 | 1100.2 | 926.9  | 883.2  | 868.1  | 837.9  | 842.5  | 848.5  |
| 2465.6 | 35°   | 2426.4 | 1990.9 | 1293.1 | 1052.0 | 878.6  | 834.9  | 822.9  | 788.2  | 791.2  | 800.3  |
| 2302.8 | 37.5° | 2277.2 | 1905.0 | 1219.2 | 1003.7 | 831.9  | 786.7  | 774.6  | 738.5  | 741.5  | 752.0  |
| 2134.0 | 40°   | 2120.5 | 1820.6 | 1146.9 | 952.5  | 782.2  | 737.0  | 726.4  | 687.2  | 690.3  | 702.3  |
| 1968.3 | 42.5° | 1962.2 | 1728.6 | 1091.1 | 886.2  | 730.9  | 682.7  | 672.2  | 636.0  | 640.5  | 654.1  |
| 1823.6 | 45°   | 1816.1 | 1618.6 | 1055.0 | 812.3  | 682.7  | 628.5  | 617.9  | 584.8  | 593.8  | 608.9  |
| 1701.5 | 47.5° | 1691.0 | 1505.6 | 1039.9 | 750.5  | 631.5  | 572.7  | 563.7  | 536.5  | 551.6  | 568.2  |
| 1597.5 | 50°   | 1584.0 | 1397.1 | 1020.3 | 687.2  | 583.2  | 524.5  | 515.4  | 497.3  | 516.9  | 533.5  |
| 1526.7 | 52.5° | 1507.1 | 1273.5 | 978.1  | 630.0  | 541.0  | 483.8  | 480.8  | 471.7  | 489.8  | 504.9  |
| 1473.9 | 55°   | 1440.8 | 1145.4 | 910.3  | 580.2  | 503.4  | 449.1  | 452.1  | 447.6  | 462.7  | 474.7  |
| 1442.3 | 57.5° | 1380.5 | 1033.9 | 824.4  | 541.0  | 462.7  | 419.0  | 428.0  | 422.0  | 429.5  | 437.1  |
| 1409.1 | 60°   | 1308.2 | 920.8  | 721.9  | 497.3  | 414.5  | 388.8  | 399.4  | 382.8  | 381.3  | 384.3  |
| 1348.9 | 62.5° | 1201.2 | 768.6  | 614.9  | 443.1  | 372.3  | 355.7  | 360.2  | 328.5  | 304.4  | 304.4  |
| 1259.9 | 65°   | 1052.0 | 617.9  | 515.4  | 382.8  | 324.0  | 310.5  | 307.4  | 262.2  | 229.1  | 226.1  |
| 1163.5 | 67.5° | 878.6  | 507.9  | 428.0  | 322.5  | 269.8  | 260.7  | 263.7  | 230.6  | 197.4  | 194.4  |
| 1067.0 | 70°   | 715.9  | 420.5  | 345.1  | 257.7  | 208.0  | 217.0  | 230.6  | 197.4  | 165.8  | 161.3  |
| 954.0  | 72.5° | 581.7  | 334.6  | 269.8  | 197.4  | 153.7  | 179.3  | 195.9  | 161.3  | 131.1  | 128.1  |
| 813.8  | 75°   | 449.1  | 245.7  | 192.9  | 134.1  | 111.5  | 138.7  | 153.7  | 117.6  | 93.4   | 88.9   |
| 630.0  | 77.5° | 299.9  | 152.2  | 108.5  | 84.4   | 66.3   | 94.9   | 102.5  | 61.8   | 54.3   | 52.7   |
| 458.2  | 80°   | 182.4  | 70.8   | 46.7   | 40.7   | 22.6   | 34.7   | 40.7   | 25.6   | 28.6   | 30.1   |
| 244.1  | 82.5° | 91.9   | 19.6   | 7.5    | 1.5    | 0.0    | 0.0    | 12.1   | 6.0    | 12.1   | 15.1   |
| 66.3   | 85°   | 7.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.0    | 7.5    |
| 0.0    | 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 3029.3 | 0°    | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3 | 3029.3  | 3029.3  | 3029.3  |
| 2661.5 | 2.5°  | 2745.9 | 2809.2 | 2869.5 | 2966.0 | 3065.4 | 3163.4 | 3262.9 | 3359.3  | 3394.0  | 3419.6  |
| 2298.3 | 5°    | 2429.4 | 2548.5 | 2687.2 | 2878.6 | 3083.5 | 3294.5 | 3508.5 | 3704.4  | 3793.4  | 3853.6  |
| 1956.2 | 7.5°  | 2102.4 | 2257.6 | 2456.6 | 2744.4 | 3065.4 | 3401.5 | 3737.6 | 4046.6  | 4189.7  | 4305.8  |
| 1633.7 | 10°   | 1778.4 | 1947.2 | 2198.9 | 2527.4 | 2961.4 | 3443.7 | 3907.9 | 4332.9  | 4518.3  | 4664.5  |
| 1401.6 | 12.5° | 1493.5 | 1651.8 | 1915.5 | 2278.7 | 2798.7 | 3410.6 | 4005.9 | 4516.8  | 4735.3  | 4899.6  |
| 1235.8 | 15°   | 1293.1 | 1404.6 | 1638.2 | 2030.1 | 2605.8 | 3303.6 | 4011.9 | 4604.2  | 4843.8  | 5015.6  |
| 1166.5 | 17.5° | 1181.6 | 1219.2 | 1371.5 | 1776.9 | 2391.8 | 3163.4 | 3956.1 | 4634.3  | 4890.5  | 5050.3  |
| 1104.7 | 20°   | 1121.3 | 1127.3 | 1169.5 | 1448.3 | 2117.5 | 3032.3 | 3903.4 | 4664.5  | 4934.2  | 5068.4  |
| 1061.0 | 22.5° | 1073.1 | 1073.1 | 1083.6 | 1184.6 | 1763.3 | 2875.5 | 3886.8 | 4717.2  | 4994.5  | 5077.4  |
| 1011.3 | 25°   | 1029.3 | 1029.3 | 1032.4 | 1059.5 | 1397.1 | 2635.9 | 3876.3 | 4798.6  | 5077.4  | 5100.0  |
| 961.5  | 27.5° | 984.1  | 985.6  | 985.6  | 1000.7 | 1125.8 | 2310.4 | 3831.0 | 4904.1  | 5176.9  | 5130.2  |
| 913.3  | 30°   | 938.9  | 941.9  | 941.9  | 952.5  | 996.2  | 1929.1 | 3742.1 | 5030.7  | 5306.5  | 5169.3  |
| 865.1  | 32.5° | 893.7  | 896.7  | 896.7  | 905.8  | 937.4  | 1540.3 | 3630.6 | 5146.7  | 5437.6  | 5185.9  |
| 818.4  | 35°   | 847.0  | 851.5  | 848.5  | 860.6  | 893.7  | 1225.3 | 3488.9 | 5262.8  | 5579.3  | 5238.7  |
| 773.1  | 37.5° | 800.3  | 803.3  | 801.8  | 813.8  | 851.5  | 1058.0 | 3324.7 | 5350.2  | 5772.2  | 5356.2  |
| 724.9  | 40°   | 753.5  | 752.0  | 752.0  | 765.6  | 806.3  | 1009.8 | 3118.2 | 5488.8  | 6049.5  | 5562.7  |
| 676.7  | 42.5° | 705.3  | 705.3  | 702.3  | 717.4  | 767.1  | 973.6  | 2920.8 | 5737.5  | 6453.4  | 5891.2  |
| 631.5  | 45°   | 661.6  | 660.1  | 654.1  | 667.6  | 729.4  | 910.3  | 2851.4 | 6201.7  | 7050.2  | 6423.2  |
| 586.3  | 47.5° | 619.4  | 617.9  | 602.8  | 614.9  | 684.2  | 853.0  | 3110.6 | 6961.3  | 7877.6  | 7205.4  |
| 550.1  | 50°   | 581.7  | 583.2  | 554.6  | 565.2  | 639.0  | 809.3  | 3672.8 | 7946.9  | 8976.3  | 8258.9  |
| 519.9  | 52.5° | 547.1  | 547.1  | 509.4  | 515.4  | 583.2  | 770.1  | 4207.8 | 9015.5  | 10426.1 | 9728.3  |
| 488.3  | 55°   | 512.4  | 509.4  | 467.2  | 470.2  | 527.5  | 714.4  | 4287.7 | 10058.4 | 12403.4 | 11939.2 |
| 453.6  | 57.5° | 473.2  | 467.2  | 428.0  | 428.0  | 476.2  | 673.7  | 3716.5 | 10860.1 | 14857.0 | 15188.5 |
| 388.8  | 60°   | 425.0  | 420.5  | 394.9  | 387.3  | 435.6  | 709.8  | 2622.3 | 10953.6 | 16439.4 | 19509.4 |
| 309.0  | 62.5° | 363.2  | 369.2  | 355.7  | 345.1  | 396.4  | 737.0  | 1553.8 | 10201.5 | 16056.6 | 20883.8 |
| 239.6  | 65°   | 286.3  | 310.5  | 307.4  | 299.9  | 435.6  | 620.9  | 917.8  | 8757.7  | 14882.6 | 19774.6 |
| 209.5  | 67.5° | 244.1  | 260.7  | 256.2  | 256.2  | 456.7  | 471.7  | 577.2  | 6842.2  | 13267.0 | 18458.9 |
| 174.8  | 70°   | 208.0  | 224.6  | 208.0  | 208.0  | 345.1  | 286.3  | 399.4  | 4777.5  | 11523.3 | 17003.1 |
| 140.2  | 72.5° | 171.8  | 188.4  | 170.3  | 158.2  | 275.8  | 214.0  | 292.4  | 2985.6  | 9868.5  | 15486.9 |
| 99.5   | 75°   | 131.1  | 150.7  | 137.1  | 122.1  | 182.4  | 159.8  | 221.5  | 1734.7  | 8176.0  | 13250.4 |
| 60.3   | 77.5° | 82.9   | 108.5  | 102.5  | 85.9   | 134.1  | 116.0  | 159.8  | 1032.4  | 6308.7  | 10353.8 |
| 36.2   | 80°   | 51.2   | 55.8   | 57.3   | 54.3   | 76.9   | 78.4   | 108.5  | 587.8   | 4317.8  | 7216.0  |
| 22.6   | 82.5° | 33.2   | 33.2   | 25.6   | 28.6   | 37.7   | 45.2   | 61.8   | 221.5   | 2538.0  | 4393.2  |
| 13.6   | 85°   | 24.1   | 21.1   | 13.6   | 13.6   | 18.1   | 22.6   | 24.1   | 67.8    | 1029.3  | 1734.7  |
| 6.0    | 87.5° | 12.1   | 10.5   | 4.5    | 6.0    | 9.0    | 7.5    | 6.0    | 3.0     | 259.2   | 554.6   |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

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**CANDELA DISTRIBUTION (continued):**

| 285°    |       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3029.3  | 0°    | 3029.3  | 3029.3  | 3029.3  | 3029.3  | 3029.3  | 3029.3  | 3029.3  | 3029.3  |
| 3476.9  | 2.5°  | 3507.0  | 3553.7  | 3556.7  | 3556.7  | 3516.1  | 3514.5  | 3431.7  | 3422.6  |
| 3989.3  | 5°    | 4129.4  | 4159.6  | 4167.1  | 4152.1  | 4070.7  | 4010.4  | 3849.1  | 3814.5  |
| 4512.2  | 7.5°  | 4699.1  | 4759.4  | 4759.4  | 4723.2  | 4590.6  | 4467.0  | 4233.4  | 4146.0  |
| 4944.8  | 10°   | 5154.3  | 5223.6  | 5208.5  | 5134.7  | 4967.4  | 4797.1  | 4513.8  | 4399.2  |
| 5207.0  | 12.5° | 5375.8  | 5446.6  | 5407.5  | 5323.1  | 5160.3  | 4981.0  | 4682.5  | 4552.9  |
| 5282.4  | 15°   | 5371.3  | 5351.7  | 5311.0  | 5300.5  | 5222.1  | 5086.5  | 4807.6  | 4666.0  |
| 5235.7  | 17.5° | 5179.9  | 5014.1  | 4982.5  | 5088.0  | 5187.4  | 5154.3  | 4916.1  | 4783.5  |
| 5124.1  | 20°   | 4877.0  | 4587.6  | 4559.0  | 4760.9  | 5044.3  | 5188.9  | 5017.1  | 4895.1  |
| 4962.9  | 22.5° | 4557.5  | 4245.5  | 4179.2  | 4402.2  | 4828.7  | 5199.5  | 5145.2  | 5023.2  |
| 4785.0  | 25°   | 4254.5  | 3941.1  | 3874.7  | 4082.7  | 4589.1  | 5181.4  | 5283.9  | 5179.9  |
| 4614.7  | 27.5° | 4001.3  | 3698.4  | 3636.6  | 3844.6  | 4358.5  | 5130.2  | 5422.5  | 5348.7  |
| 4445.9  | 30°   | 3805.4  | 3525.1  | 3479.9  | 3680.3  | 4159.6  | 5066.9  | 5598.9  | 5558.2  |
| 4289.2  | 32.5° | 3690.9  | 3485.9  | 3502.5  | 3666.8  | 4052.6  | 4997.5  | 5767.7  | 5787.3  |
| 4212.3  | 35°   | 3803.9  | 3813.0  | 3957.6  | 4025.5  | 4152.1  | 4987.0  | 5996.7  | 6073.6  |
| 4304.3  | 37.5° | 4366.1  | 4679.5  | 4979.4  | 4923.7  | 4638.8  | 5109.1  | 6338.8  | 6482.0  |
| 4705.2  | 40°   | 5323.1  | 5966.6  | 6453.4  | 6240.9  | 5523.5  | 5482.8  | 6831.7  | 7045.7  |
| 5416.5  | 42.5° | 6492.6  | 7583.7  | 8385.5  | 7815.8  | 6664.4  | 6136.9  | 7535.5  | 7808.3  |
| 6277.1  | 45°   | 7726.9  | 9577.6  | 10840.5 | 9656.0  | 7880.6  | 7053.2  | 8601.0  | 8815.0  |
| 7083.4  | 47.5° | 9027.5  | 12001.0 | 13634.7 | 11696.6 | 9007.9  | 8096.1  | 10053.8 | 10103.6 |
| 7847.5  | 50°   | 10450.2 | 14658.0 | 16483.1 | 13735.7 | 10096.0 | 9291.3  | 11829.2 | 11771.9 |
| 8738.1  | 52.5° | 11805.1 | 17390.4 | 19271.2 | 15783.8 | 11051.5 | 10774.2 | 13889.4 | 13771.9 |
| 9955.9  | 55°   | 13098.2 | 20121.2 | 22076.0 | 17752.1 | 11952.8 | 12733.5 | 16336.9 | 15625.6 |
| 11711.6 | 57.5° | 14597.7 | 22576.3 | 24966.6 | 19729.4 | 13212.7 | 15277.4 | 19073.8 | 16701.6 |
| 15074.0 | 60°   | 16814.7 | 25365.9 | 28235.5 | 22439.2 | 15609.0 | 17951.0 | 20054.9 | 16496.7 |
| 19100.9 | 62.5° | 19645.0 | 27931.0 | 30612.1 | 25094.7 | 18015.8 | 18454.4 | 18609.6 | 14917.2 |
| 18279.6 | 65°   | 20195.1 | 28580.6 | 30746.3 | 25804.5 | 17705.4 | 15654.2 | 15193.0 | 11990.5 |
| 16327.9 | 67.5° | 18736.2 | 27406.6 | 28871.5 | 24482.8 | 15661.7 | 12097.5 | 11401.2 | 8699.0  |
| 15046.9 | 70°   | 17099.5 | 25168.5 | 25604.1 | 22235.7 | 13774.9 | 8897.9  | 7699.8  | 5582.3  |
| 14169.7 | 72.5° | 15422.1 | 22183.0 | 21281.7 | 19310.4 | 12106.5 | 6479.0  | 5553.7  | 3968.2  |
| 12920.3 | 75°   | 13429.7 | 18257.0 | 16763.4 | 16044.6 | 10023.7 | 5084.9  | 4017.9  | 2738.4  |
| 11113.3 | 77.5° | 10754.6 | 12851.0 | 12451.6 | 12436.6 | 7532.5  | 3715.0  | 2681.1  | 1716.6  |
| 8682.4  | 80°   | 7586.7  | 8340.3  | 8136.8  | 9366.6  | 5053.3  | 2694.7  | 1614.1  | 955.5   |
| 6043.5  | 82.5° | 3672.8  | 4611.7  | 4733.8  | 5577.8  | 2458.1  | 1585.5  | 372.3   | 208.0   |
| 2363.1  | 85°   | 1437.8  | 2224.5  | 1876.3  | 2117.5  | 690.3   | 441.6   | 9.0     | 0.0     |
| 388.8   | 87.5° | 161.3   | 257.7   | 236.6   | 186.9   | 84.4    | 18.1    | 0.0     | 0.0     |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)