

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: P956454

Luminaire Tested: **GLAN-SB9A-835-U-SLR-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956454  
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-SB9A-835-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 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: 28923 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 255.5  
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



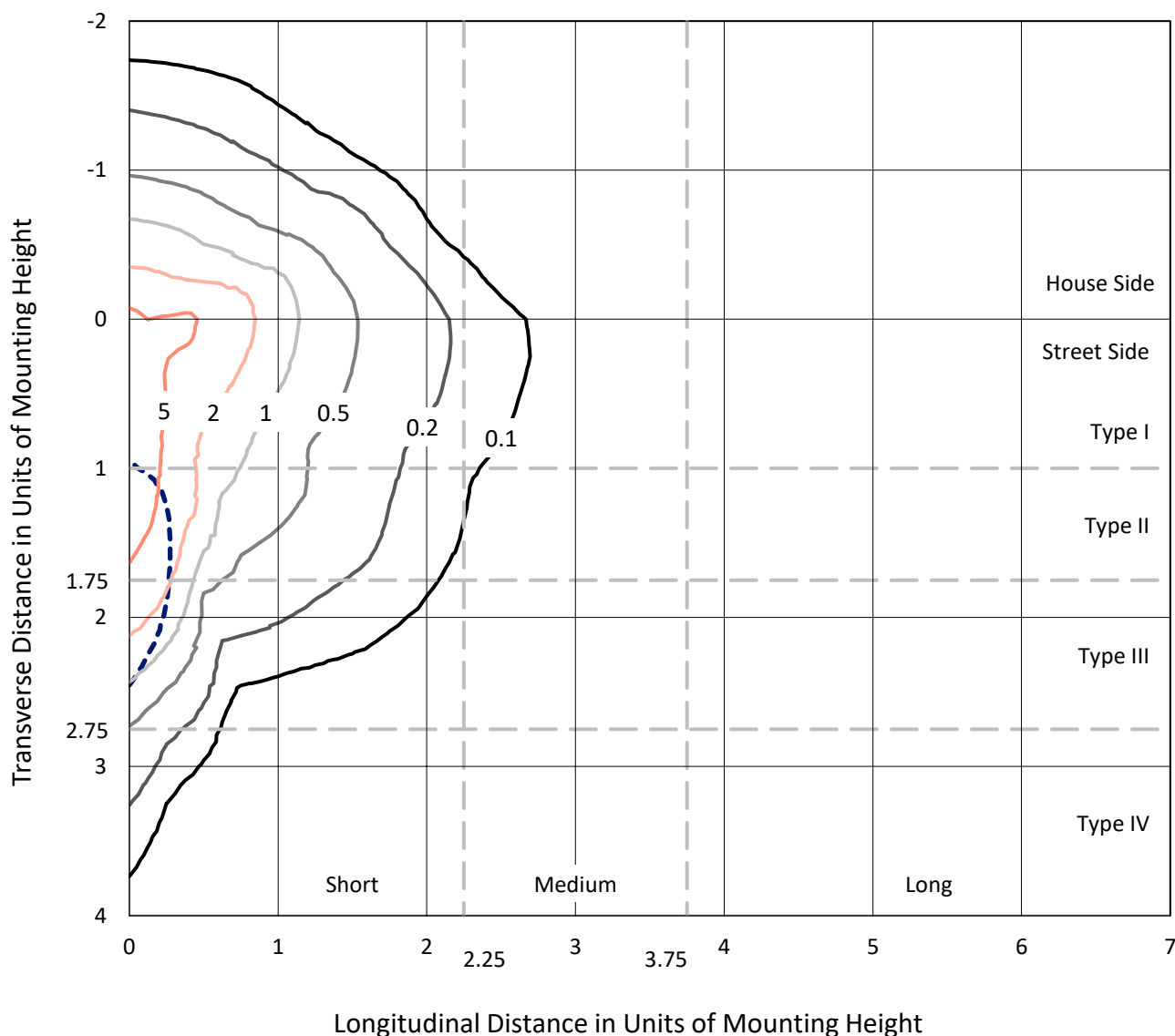
REPORT NUMBER: P956454

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

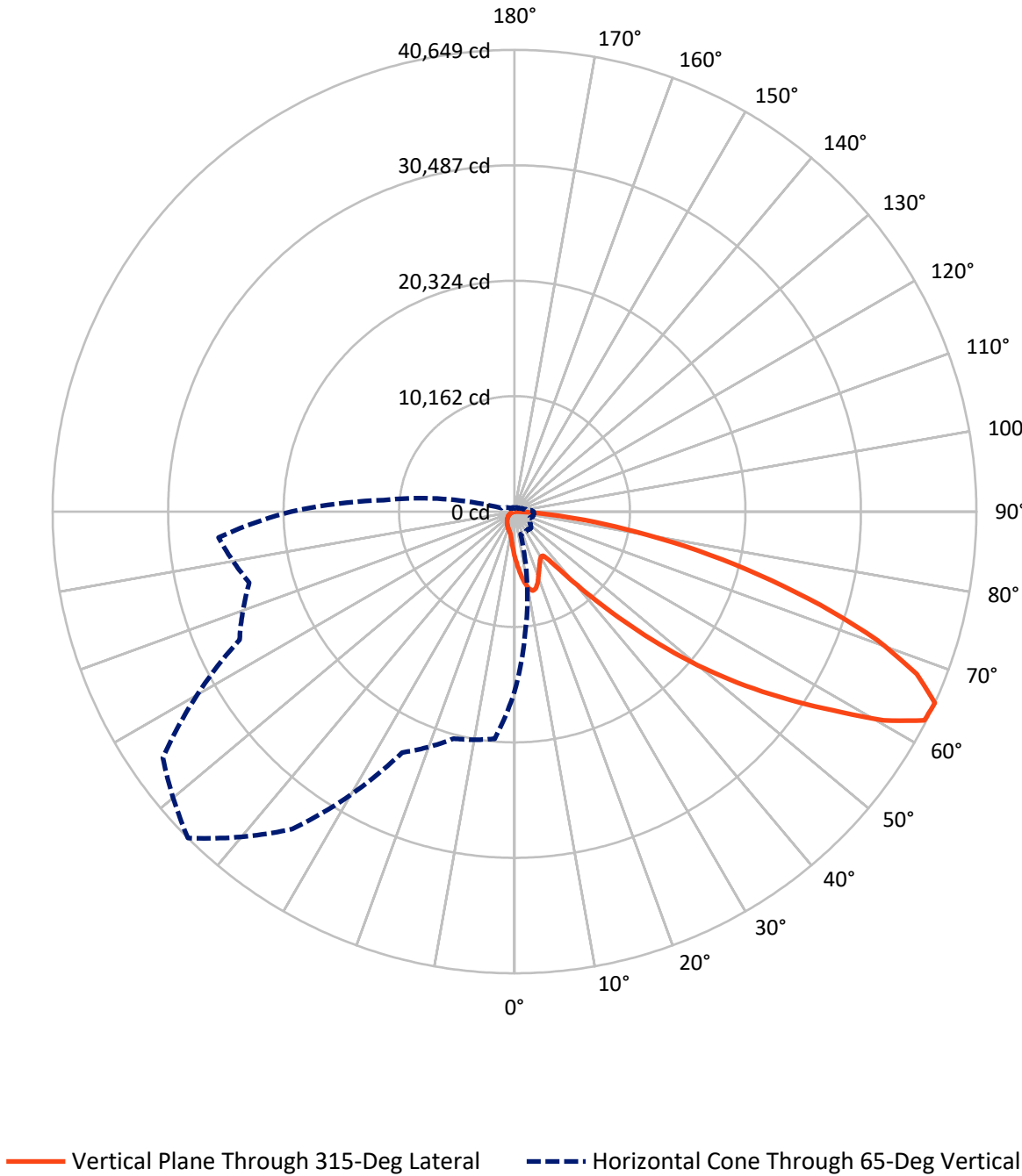


Based on 25 foot mounting height. Maximum calculated value = 8.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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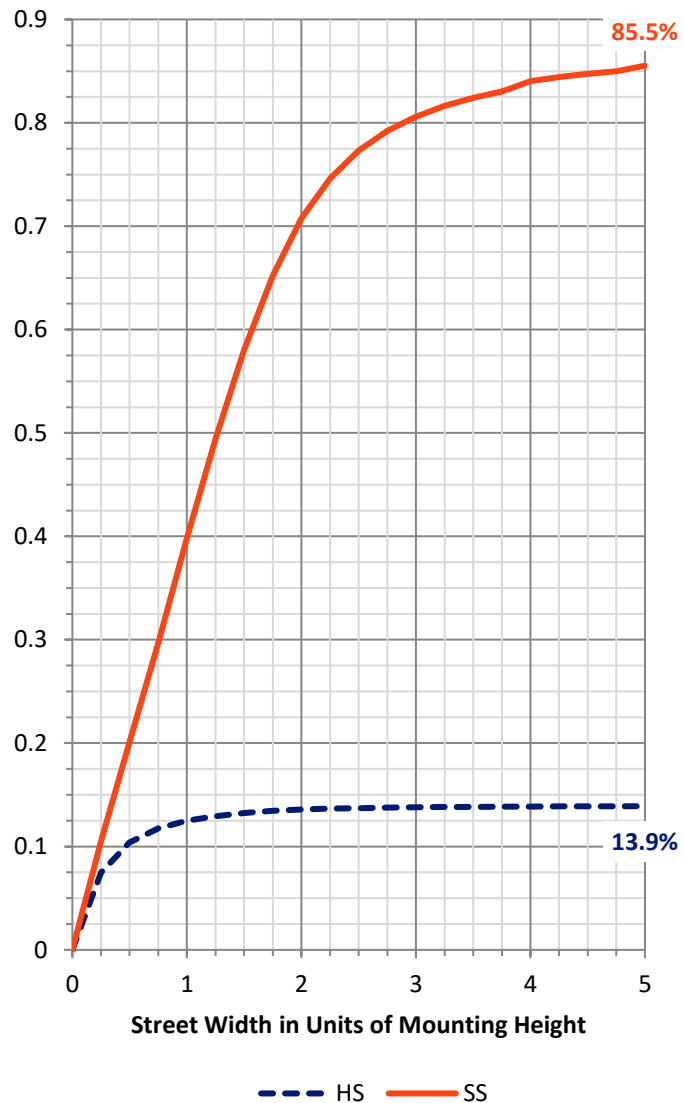
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4050.5   | 0.0    | 4050.5  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 24872.5  | 0.0    | 24872.5 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 28923.0  | 0.0    | 28923.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 394.3   | 1.4       |
| 10°-20°   | 1182.0  | 4.1       |
| 20°-30°   | 1741.3  | 6.0       |
| 30°-40°   | 2237.1  | 7.7       |
| 40°-50°   | 3618.1  | 12.5      |
| 50°-60°   | 6344.6  | 21.9      |
| 60°-70°   | 7938.9  | 27.4      |
| 70°-80°   | 4639.1  | 16.0      |
| 80°-90°   | 827.7   | 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°    | 28923.0 | 100.0     |
| 0°-180°   | 28923.0 | 100.0     |

**Coefficient of Utilization**



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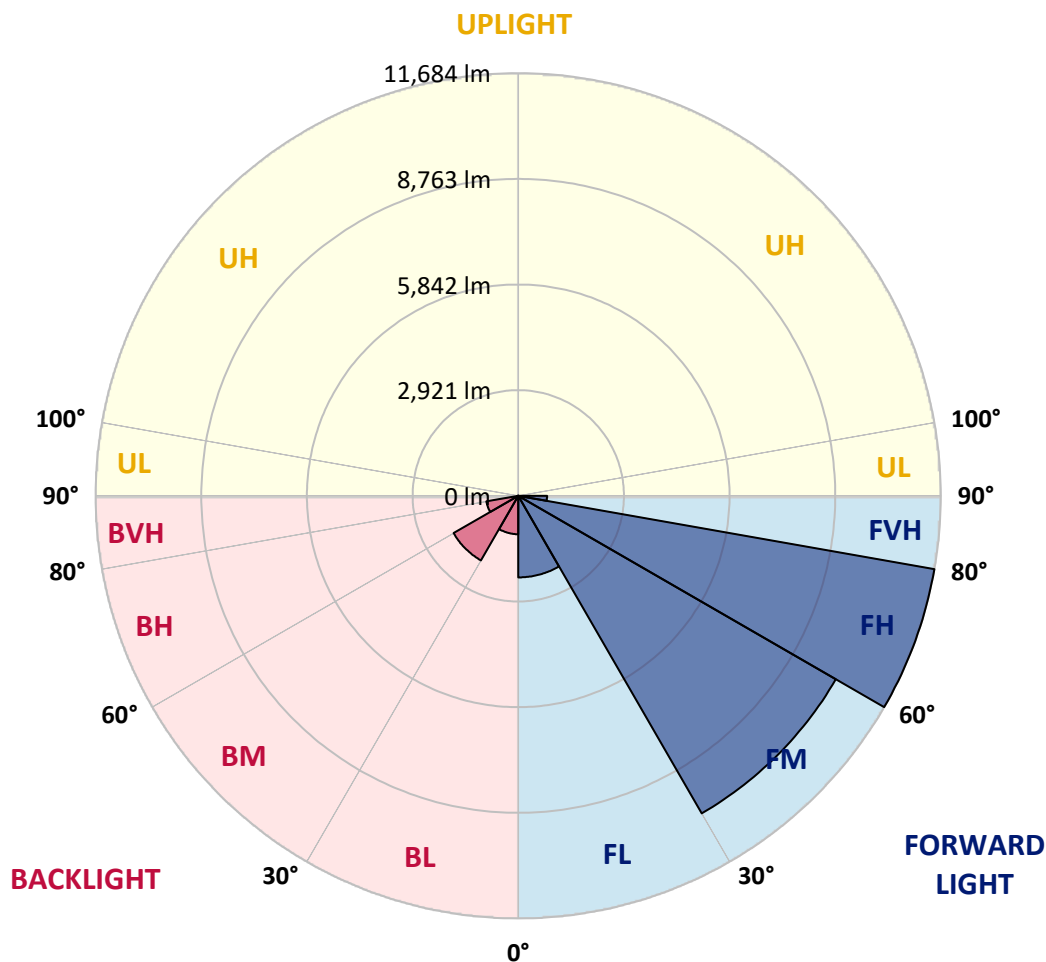
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2255.9  | 7.8       |                         |      |          |
| FM   | (30°-60°)   | 10137.2 | 35.0      |                         |      |          |
| FH   | (60°-80°)   | 11683.6 | 40.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 795.9   | 2.8       |                         |      | G5       |
| BL   | (0°-30°)    | 1061.7  | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2062.6  | 7.1       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 894.4   | 3.1       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 31.8    | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4004.9  | 4004.9  | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 |
| 2.5°  | 4525.0  | 4447.2  | 4401.4 | 4287.8 | 4174.3 | 4082.6 | 3959.1 | 3877.4 | 3779.8 | 3686.1 |
| 5°    | 5043.0  | 4917.5  | 4766.0 | 4558.8 | 4369.5 | 4176.3 | 3989.0 | 3803.7 | 3608.4 | 3429.1 |
| 7.5°  | 5481.3  | 5300.0  | 5033.0 | 4758.1 | 4517.0 | 4283.9 | 4064.7 | 3819.6 | 3582.5 | 3301.6 |
| 10°   | 5816.1  | 5585.0  | 5234.3 | 4873.6 | 4596.7 | 4361.6 | 4148.4 | 3941.2 | 3702.1 | 3363.3 |
| 12.5° | 6019.3  | 5772.3  | 5355.8 | 4933.4 | 4616.6 | 4353.6 | 4188.2 | 4096.6 | 4002.9 | 3666.2 |
| 15°   | 6168.8  | 5901.8  | 5441.5 | 4975.3 | 4570.8 | 4248.0 | 4126.5 | 4218.1 | 4325.7 | 4110.5 |
| 17.5° | 6324.2  | 6043.2  | 5553.1 | 4993.2 | 4447.2 | 4042.8 | 3991.0 | 4228.1 | 4477.1 | 4467.2 |
| 20°   | 6471.6  | 6192.7  | 5650.7 | 4981.2 | 4248.0 | 3793.7 | 3839.5 | 4142.4 | 4431.3 | 4552.8 |
| 22.5° | 6641.0  | 6346.1  | 5744.4 | 4935.4 | 3989.0 | 3560.6 | 3704.0 | 4006.9 | 4259.9 | 4403.4 |
| 25°   | 6848.2  | 6539.4  | 5875.9 | 4867.7 | 3710.0 | 3367.3 | 3566.6 | 3849.5 | 4054.7 | 4154.3 |
| 27.5° | 7071.4  | 6770.5  | 6051.2 | 4831.8 | 3484.9 | 3229.8 | 3411.1 | 3662.2 | 3845.5 | 3915.2 |
| 30°   | 7348.3  | 7039.5  | 6258.4 | 4791.9 | 3337.4 | 3150.1 | 3249.8 | 3445.0 | 3624.3 | 3694.1 |
| 32.5° | 7651.2  | 7338.4  | 6457.7 | 4696.3 | 3247.8 | 3090.4 | 3092.3 | 3215.9 | 3379.3 | 3463.0 |
| 35°   | 8029.7  | 7697.0  | 6670.9 | 4487.1 | 3176.0 | 3020.6 | 2938.9 | 2998.7 | 3134.2 | 3233.8 |
| 37.5° | 8569.7  | 8167.2  | 6931.9 | 4188.2 | 3070.4 | 2913.0 | 2777.5 | 2791.5 | 2895.1 | 3004.7 |
| 40°   | 9314.9  | 8798.8  | 7238.7 | 3877.4 | 2919.0 | 2761.6 | 2600.2 | 2594.2 | 2669.9 | 2777.5 |
| 42.5° | 10323.1 | 9633.7  | 7607.3 | 3580.5 | 2773.5 | 2578.3 | 2412.9 | 2402.9 | 2462.7 | 2556.4 |
| 45°   | 11654.1 | 10701.7 | 8059.6 | 3325.5 | 2660.0 | 2399.0 | 2235.6 | 2231.6 | 2281.4 | 2363.1 |
| 47.5° | 13357.7 | 12186.1 | 8511.9 | 3152.1 | 2600.2 | 2257.5 | 2090.1 | 2098.1 | 2141.9 | 2215.7 |
| 50°   | 15563.4 | 14120.8 | 8649.4 | 3064.5 | 2600.2 | 2181.8 | 1960.6 | 2000.5 | 2036.3 | 2092.1 |
| 52.5° | 18207.4 | 15977.8 | 8195.1 | 2984.8 | 2616.1 | 2191.7 | 1851.0 | 1936.7 | 1962.6 | 2010.4 |
| 55°   | 20658.2 | 16888.4 | 7045.5 | 2875.2 | 2620.1 | 2253.5 | 1757.4 | 1884.9 | 1932.7 | 1950.7 |
| 57.5° | 22080.8 | 16575.5 | 5696.5 | 2689.9 | 2604.2 | 2295.4 | 1697.6 | 1821.1 | 1912.8 | 1924.7 |
| 60°   | 21809.8 | 15477.7 | 4194.2 | 2548.4 | 2486.6 | 2279.4 | 1679.7 | 1723.5 | 1869.0 | 1886.9 |
| 62.5° | 19721.7 | 13636.6 | 2911.0 | 2438.8 | 2227.6 | 2209.7 | 1673.7 | 1570.1 | 1773.3 | 1817.2 |
| 65°   | 15852.3 | 10735.5 | 2056.3 | 2100.1 | 1952.6 | 2058.2 | 1641.8 | 1410.7 | 1657.8 | 1717.5 |
| 67.5° | 11500.7 | 7264.6  | 1484.4 | 1701.6 | 1769.3 | 1813.2 | 1570.1 | 1295.1 | 1526.2 | 1605.9 |
| 70°   | 7380.2  | 3923.2  | 1042.1 | 1123.8 | 1490.4 | 1540.2 | 1446.5 | 1191.5 | 1392.8 | 1484.4 |
| 72.5° | 5246.2  | 2317.3  | 749.2  | 787.0  | 1197.5 | 1283.2 | 1273.2 | 1075.9 | 1237.3 | 1348.9 |
| 75°   | 3620.4  | 1277.2  | 506.1  | 561.9  | 868.7  | 1042.1 | 982.3  | 924.5  | 1048.1 | 1161.6 |
| 77.5° | 2269.4  | 571.8   | 302.9  | 390.5  | 569.9  | 818.9  | 673.5  | 715.3  | 816.9  | 922.5  |
| 80°   | 1263.2  | 221.2   | 169.4  | 259.0  | 310.8  | 595.8  | 372.6  | 460.3  | 601.7  | 677.4  |
| 82.5° | 275.0   | 27.9    | 75.7   | 111.6  | 121.5  | 346.7  | 197.3  | 267.0  | 378.6  | 372.6  |
| 85°   | 0.0     | 0.0     | 13.9   | 15.9   | 8.0    | 149.4  | 71.7   | 87.7   | 123.5  | 115.6  |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.0    |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4004.9 | 0°    | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 |
| 3602.4 | 2.5°  | 3586.5 | 3488.9 | 3417.1 | 3381.3 | 3351.4 | 3379.3 | 3395.2 | 3395.2 | 3463.0 | 3502.8 |
| 3319.5 | 5°    | 3249.8 | 3074.4 | 2940.9 | 2851.3 | 2797.5 | 2815.4 | 2835.3 | 2857.2 | 2942.9 | 3000.7 |
| 3152.1 | 7.5°  | 3016.6 | 2747.6 | 2544.4 | 2418.9 | 2353.1 | 2363.1 | 2377.0 | 2395.0 | 2478.7 | 2536.4 |
| 3176.0 | 10°   | 2972.8 | 2586.3 | 2299.3 | 2134.0 | 2054.3 | 2040.3 | 2032.3 | 2026.4 | 2076.2 | 2120.0 |
| 3447.0 | 12.5° | 3152.1 | 2594.2 | 2193.7 | 1992.5 | 1894.9 | 1853.0 | 1805.2 | 1767.3 | 1775.3 | 1803.2 |
| 3857.5 | 15°   | 3472.9 | 2695.8 | 2159.9 | 1918.8 | 1797.2 | 1727.5 | 1671.7 | 1625.9 | 1615.9 | 1625.9 |
| 4216.1 | 17.5° | 3839.5 | 2833.3 | 2155.9 | 1855.0 | 1703.6 | 1631.9 | 1586.0 | 1544.2 | 1530.2 | 1532.2 |
| 4417.4 | 20°   | 4082.6 | 2942.9 | 2143.9 | 1783.3 | 1613.9 | 1550.2 | 1510.3 | 1468.5 | 1454.5 | 1458.5 |
| 4361.6 | 22.5° | 4106.5 | 3000.7 | 2126.0 | 1703.6 | 1524.3 | 1470.5 | 1430.6 | 1392.8 | 1390.8 | 1390.8 |
| 4152.4 | 25°   | 3977.0 | 3000.7 | 2088.1 | 1631.9 | 1438.6 | 1390.8 | 1354.9 | 1309.1 | 1317.0 | 1321.0 |
| 3915.2 | 27.5° | 3775.8 | 2929.0 | 2016.4 | 1574.1 | 1364.9 | 1315.0 | 1279.2 | 1237.3 | 1247.3 | 1253.3 |
| 3694.1 | 30°   | 3576.5 | 2837.3 | 1930.7 | 1508.3 | 1295.1 | 1237.3 | 1211.4 | 1175.6 | 1179.6 | 1187.5 |
| 3474.9 | 32.5° | 3391.2 | 2739.7 | 1829.1 | 1454.5 | 1225.4 | 1167.6 | 1147.7 | 1107.8 | 1113.8 | 1121.8 |
| 3259.7 | 35°   | 3207.9 | 2632.1 | 1709.6 | 1390.8 | 1161.6 | 1103.8 | 1087.9 | 1042.1 | 1046.1 | 1058.0 |
| 3044.5 | 37.5° | 3010.7 | 2518.5 | 1611.9 | 1327.0 | 1099.9 | 1040.1 | 1024.1 | 976.3  | 980.3  | 994.3  |
| 2821.4 | 40°   | 2803.4 | 2406.9 | 1516.3 | 1259.3 | 1034.1 | 974.3  | 960.4  | 908.6  | 912.6  | 928.5  |
| 2602.2 | 42.5° | 2594.2 | 2285.4 | 1442.6 | 1171.6 | 966.4  | 902.6  | 888.7  | 840.8  | 846.8  | 864.7  |
| 2410.9 | 45°   | 2401.0 | 2139.9 | 1394.7 | 1074.0 | 902.6  | 830.9  | 816.9  | 773.1  | 785.0  | 805.0  |
| 2249.5 | 47.5° | 2235.6 | 1990.5 | 1374.8 | 992.3  | 834.9  | 757.1  | 745.2  | 709.3  | 729.3  | 751.2  |
| 2112.0 | 50°   | 2094.1 | 1847.0 | 1348.9 | 908.6  | 771.1  | 693.4  | 681.4  | 657.5  | 683.4  | 705.3  |
| 2018.4 | 52.5° | 1992.5 | 1683.7 | 1293.1 | 832.9  | 715.3  | 639.6  | 635.6  | 623.7  | 647.6  | 667.5  |
| 1948.7 | 55°   | 1904.8 | 1514.3 | 1203.5 | 767.1  | 665.5  | 593.8  | 597.7  | 591.8  | 611.7  | 627.6  |
| 1906.8 | 57.5° | 1825.1 | 1366.8 | 1089.9 | 715.3  | 611.7  | 553.9  | 565.9  | 557.9  | 567.9  | 577.8  |
| 1863.0 | 60°   | 1729.5 | 1217.4 | 954.4  | 657.5  | 547.9  | 514.1  | 528.0  | 506.1  | 504.1  | 508.1  |
| 1783.3 | 62.5° | 1588.0 | 1016.2 | 812.9  | 585.8  | 492.1  | 470.2  | 476.2  | 434.4  | 402.5  | 402.5  |
| 1665.7 | 65°   | 1390.8 | 816.9  | 681.4  | 506.1  | 428.4  | 410.5  | 406.5  | 346.7  | 302.9  | 298.9  |
| 1538.2 | 67.5° | 1161.6 | 671.5  | 565.9  | 426.4  | 356.7  | 344.7  | 348.7  | 304.9  | 261.0  | 257.0  |
| 1410.7 | 70°   | 946.4  | 555.9  | 456.3  | 340.7  | 275.0  | 286.9  | 304.9  | 261.0  | 219.2  | 213.2  |
| 1261.2 | 72.5° | 769.1  | 442.3  | 356.7  | 261.0  | 203.2  | 237.1  | 259.0  | 213.2  | 173.3  | 169.4  |
| 1075.9 | 75°   | 593.8  | 324.8  | 255.0  | 177.3  | 147.4  | 183.3  | 203.2  | 155.4  | 123.5  | 117.6  |
| 832.9  | 77.5° | 396.5  | 201.2  | 143.5  | 111.6  | 87.7   | 125.5  | 135.5  | 81.7   | 71.7   | 69.7   |
| 605.7  | 80°   | 241.1  | 93.6   | 61.8   | 53.8   | 29.9   | 45.8   | 53.8   | 33.9   | 37.9   | 39.8   |
| 322.8  | 82.5° | 121.5  | 25.9   | 10.0   | 2.0    | 0.0    | 0.0    | 15.9   | 8.0    | 15.9   | 19.9   |
| 87.7   | 85°   | 10.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.0    | 10.0   |
| 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°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 4004.9 | 0°    | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9 | 4004.9  | 4004.9  | 4004.9  |
| 3518.7 | 2.5°  | 3630.3 | 3714.0 | 3793.7 | 3921.2 | 4052.7 | 4182.2 | 4313.7 | 4441.3  | 4487.1  | 4521.0  |
| 3038.6 | 5°    | 3211.9 | 3369.3 | 3552.6 | 3805.7 | 4076.6 | 4355.6 | 4638.5 | 4897.5  | 5015.1  | 5094.8  |
| 2586.3 | 7.5°  | 2779.5 | 2984.8 | 3247.8 | 3628.3 | 4052.7 | 4497.1 | 4941.4 | 5349.8  | 5539.1  | 5692.6  |
| 2159.9 | 10°   | 2351.1 | 2574.3 | 2907.0 | 3341.4 | 3915.2 | 4552.8 | 5166.5 | 5728.4  | 5973.5  | 6166.8  |
| 1853.0 | 12.5° | 1974.6 | 2183.8 | 2532.5 | 3012.6 | 3700.1 | 4509.0 | 5296.0 | 5971.5  | 6260.4  | 6477.6  |
| 1633.8 | 15°   | 1709.6 | 1857.0 | 2165.8 | 2683.9 | 3445.0 | 4367.5 | 5304.0 | 6087.1  | 6403.9  | 6631.0  |
| 1542.2 | 17.5° | 1562.1 | 1611.9 | 1813.2 | 2349.1 | 3162.1 | 4182.2 | 5230.3 | 6126.9  | 6465.6  | 6676.8  |
| 1460.5 | 20°   | 1482.4 | 1490.4 | 1546.2 | 1914.8 | 2799.5 | 4008.9 | 5160.6 | 6166.8  | 6523.4  | 6700.8  |
| 1402.7 | 22.5° | 1418.7 | 1418.7 | 1432.6 | 1566.1 | 2331.2 | 3801.7 | 5138.6 | 6236.5  | 6603.1  | 6712.7  |
| 1337.0 | 25°   | 1360.9 | 1360.9 | 1364.9 | 1400.7 | 1847.0 | 3484.9 | 5124.7 | 6344.1  | 6712.7  | 6742.6  |
| 1271.2 | 27.5° | 1301.1 | 1303.1 | 1303.1 | 1323.0 | 1488.4 | 3054.5 | 5064.9 | 6483.6  | 6844.2  | 6782.4  |
| 1207.5 | 30°   | 1241.3 | 1245.3 | 1245.3 | 1259.3 | 1317.0 | 2550.4 | 4947.4 | 6650.9  | 7015.6  | 6834.2  |
| 1143.7 | 32.5° | 1181.5 | 1185.5 | 1185.5 | 1197.5 | 1239.3 | 2036.3 | 4799.9 | 6804.4  | 7188.9  | 6856.2  |
| 1081.9 | 35°   | 1119.8 | 1125.8 | 1121.8 | 1137.7 | 1181.5 | 1619.9 | 4612.6 | 6957.8  | 7376.2  | 6925.9  |
| 1022.1 | 37.5° | 1058.0 | 1062.0 | 1060.0 | 1075.9 | 1125.8 | 1398.7 | 4395.4 | 7073.3  | 7631.2  | 7081.3  |
| 958.4  | 40°   | 996.2  | 994.3  | 994.3  | 1012.2 | 1066.0 | 1335.0 | 4122.5 | 7256.7  | 7997.9  | 7354.3  |
| 894.6  | 42.5° | 932.5  | 932.5  | 928.5  | 948.4  | 1014.2 | 1287.2 | 3861.5 | 7585.4  | 8531.9  | 7788.7  |
| 834.9  | 45°   | 874.7  | 872.7  | 864.7  | 882.7  | 964.4  | 1203.5 | 3769.8 | 8199.1  | 9320.9  | 8492.0  |
| 775.1  | 47.5° | 818.9  | 816.9  | 797.0  | 812.9  | 904.6  | 1127.8 | 4112.5 | 9203.3  | 10414.8 | 9526.1  |
| 727.3  | 50°   | 769.1  | 771.1  | 733.2  | 747.2  | 844.8  | 1070.0 | 4855.7 | 10506.4 | 11867.3 | 10918.9 |
| 687.4  | 52.5° | 723.3  | 723.3  | 673.5  | 681.4  | 771.1  | 1018.2 | 5563.0 | 11919.1 | 13784.1 | 12861.5 |
| 645.6  | 55°   | 677.4  | 673.5  | 617.7  | 621.7  | 697.4  | 944.4  | 5668.6 | 13297.9 | 16398.2 | 15784.5 |
| 599.7  | 57.5° | 625.6  | 617.7  | 565.9  | 565.9  | 629.6  | 890.6  | 4913.5 | 14357.9 | 19642.0 | 20080.3 |
| 514.1  | 60°   | 561.9  | 555.9  | 522.0  | 512.1  | 575.8  | 938.5  | 3466.9 | 14481.4 | 21734.1 | 25792.8 |
| 408.5  | 62.5° | 480.2  | 488.2  | 470.2  | 456.3  | 524.0  | 974.3  | 2054.3 | 13487.2 | 21228.0 | 27610.0 |
| 316.8  | 65°   | 378.6  | 410.5  | 406.5  | 396.5  | 575.8  | 820.9  | 1213.4 | 11578.4 | 19675.9 | 26143.5 |
| 277.0  | 67.5° | 322.8  | 344.7  | 338.7  | 338.7  | 603.7  | 623.7  | 763.1  | 9045.9  | 17539.9 | 24404.0 |
| 231.1  | 70°   | 275.0  | 296.9  | 275.0  | 275.0  | 456.3  | 378.6  | 528.0  | 6316.2  | 15234.6 | 22479.3 |
| 185.3  | 72.5° | 227.1  | 249.1  | 225.2  | 209.2  | 364.6  | 282.9  | 386.5  | 3947.1  | 13046.8 | 20474.9 |
| 131.5  | 75°   | 173.3  | 199.2  | 181.3  | 161.4  | 241.1  | 211.2  | 292.9  | 2293.4  | 10809.3 | 17518.0 |
| 79.7   | 77.5° | 109.6  | 143.5  | 135.5  | 113.6  | 177.3  | 153.4  | 211.2  | 1364.9  | 8340.6  | 13688.4 |
| 47.8   | 80°   | 67.7   | 73.7   | 75.7   | 71.7   | 101.6  | 103.6  | 143.5  | 777.1   | 5708.5  | 9540.1  |
| 29.9   | 82.5° | 43.8   | 43.8   | 33.9   | 37.9   | 49.8   | 59.8   | 81.7   | 292.9   | 3355.4  | 5808.1  |
| 17.9   | 85°   | 31.9   | 27.9   | 17.9   | 17.9   | 23.9   | 29.9   | 31.9   | 89.7    | 1360.9  | 2293.4  |
| 8.0    | 87.5° | 15.9   | 13.9   | 6.0    | 8.0    | 12.0   | 10.0   | 8.0    | 4.0     | 342.7   | 733.2   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 4004.9  | 0°    | 4004.9  | 4004.9  | 4004.9  | 4004.9  | 4004.9  | 4004.9  | 4004.9  | 4004.9  |
| 4596.7  | 2.5°  | 4636.5  | 4698.3  | 4702.3  | 4702.3  | 4648.5  | 4646.5  | 4536.9  | 4525.0  |
| 5274.1  | 5°    | 5459.4  | 5499.3  | 5509.2  | 5489.3  | 5381.7  | 5302.0  | 5088.8  | 5043.0  |
| 5965.5  | 7.5°  | 6212.6  | 6292.3  | 6292.3  | 6244.5  | 6069.1  | 5905.7  | 5596.9  | 5481.3  |
| 6537.4  | 10°   | 6814.3  | 6906.0  | 6886.1  | 6788.4  | 6567.3  | 6342.1  | 5967.5  | 5816.1  |
| 6884.1  | 12.5° | 7107.2  | 7200.9  | 7149.1  | 7037.5  | 6822.3  | 6585.2  | 6190.7  | 6019.3  |
| 6983.7  | 15°   | 7101.2  | 7075.3  | 7021.5  | 7007.6  | 6904.0  | 6724.7  | 6356.1  | 6168.8  |
| 6921.9  | 17.5° | 6848.2  | 6629.0  | 6587.2  | 6726.7  | 6858.2  | 6814.3  | 6499.5  | 6324.2  |
| 6774.5  | 20°   | 6447.7  | 6065.1  | 6027.3  | 6294.3  | 6668.9  | 6860.2  | 6633.0  | 6471.6  |
| 6561.3  | 22.5° | 6025.3  | 5612.9  | 5525.2  | 5820.1  | 6383.9  | 6874.1  | 6802.4  | 6641.0  |
| 6326.2  | 25°   | 5624.8  | 5210.4  | 5122.7  | 5397.7  | 6067.1  | 6850.2  | 6985.7  | 6848.2  |
| 6101.0  | 27.5° | 5290.1  | 4889.6  | 4807.9  | 5082.8  | 5762.3  | 6782.4  | 7169.0  | 7071.4  |
| 5877.9  | 30°   | 5031.0  | 4660.4  | 4600.7  | 4865.7  | 5499.3  | 6698.8  | 7402.1  | 7348.3  |
| 5670.6  | 32.5° | 4879.6  | 4608.6  | 4630.6  | 4847.7  | 5357.8  | 6607.1  | 7625.3  | 7651.2  |
| 5569.0  | 35°   | 5029.1  | 5041.0  | 5232.3  | 5321.9  | 5489.3  | 6593.2  | 7928.1  | 8029.7  |
| 5690.6  | 37.5° | 5772.3  | 6186.7  | 6583.2  | 6509.5  | 6132.9  | 6754.5  | 8380.4  | 8569.7  |
| 6220.6  | 40°   | 7037.5  | 7888.3  | 8531.9  | 8250.9  | 7302.5  | 7248.7  | 9032.0  | 9314.9  |
| 7161.0  | 42.5° | 8583.7  | 10026.2 | 11086.2 | 10333.1 | 8810.8  | 8113.4  | 9962.5  | 10323.1 |
| 8298.7  | 45°   | 10215.5 | 12662.3 | 14332.0 | 12765.9 | 10418.7 | 9324.9  | 11371.2 | 11654.1 |
| 9364.7  | 47.5° | 11935.0 | 15866.2 | 18026.1 | 15463.7 | 11909.1 | 10703.7 | 13291.9 | 13357.7 |
| 10374.9 | 50°   | 13815.9 | 19379.0 | 21791.9 | 18159.6 | 13347.7 | 12283.7 | 15639.1 | 15563.4 |
| 11552.5 | 52.5° | 15607.2 | 22991.4 | 25478.0 | 20867.4 | 14610.9 | 14244.3 | 18362.8 | 18207.4 |
| 13162.4 | 55°   | 17316.8 | 26601.8 | 29186.0 | 23469.6 | 15802.5 | 16834.6 | 21598.6 | 20658.2 |
| 15483.7 | 57.5° | 19299.3 | 29847.5 | 33007.6 | 26083.7 | 17468.2 | 20197.9 | 25217.0 | 22080.8 |
| 19928.9 | 60°   | 22230.2 | 33535.6 | 37329.3 | 29666.2 | 20636.2 | 23732.6 | 26514.1 | 21809.8 |
| 25252.9 | 62.5° | 25972.1 | 36926.9 | 40471.5 | 33177.0 | 23818.3 | 24398.1 | 24603.3 | 19721.7 |
| 24166.9 | 65°   | 26699.4 | 37785.6 | 40648.8 | 34115.5 | 23407.8 | 20696.0 | 20086.3 | 15852.3 |
| 21586.7 | 67.5° | 24770.7 | 36233.5 | 38170.2 | 32368.0 | 20706.0 | 15993.7 | 15073.2 | 11500.7 |
| 19893.0 | 70°   | 22606.8 | 33274.6 | 33850.5 | 29397.2 | 18211.4 | 11763.7 | 10179.6 | 7380.2  |
| 18733.4 | 72.5° | 20389.2 | 29327.5 | 28136.0 | 25529.8 | 16005.7 | 8565.7  | 7342.3  | 5246.2  |
| 17081.6 | 75°   | 17755.1 | 24137.1 | 22162.5 | 21212.1 | 13252.1 | 6722.7  | 5312.0  | 3620.4  |
| 14692.6 | 77.5° | 14218.4 | 16990.0 | 16462.0 | 16442.0 | 9958.5  | 4911.5  | 3544.6  | 2269.4  |
| 11478.7 | 80°   | 10030.2 | 11026.5 | 10757.5 | 12383.3 | 6680.8  | 3562.6  | 2134.0  | 1263.2  |
| 7989.9  | 82.5° | 4855.7  | 6097.0  | 6258.4  | 7374.2  | 3249.8  | 2096.1  | 492.1   | 275.0   |
| 3124.2  | 85°   | 1900.8  | 2940.9  | 2480.7  | 2799.5  | 912.6   | 583.8   | 12.0    | 0.0     |
| 514.1   | 87.5° | 213.2   | 340.7   | 312.8   | 247.1   | 111.6   | 23.9    | 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)