

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: McGRAW-EDISON

Report Number: P324616

Luminaire Tested: **GLEON-SA2D-827-U-SLR-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA2D-827-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8651 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 129  
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

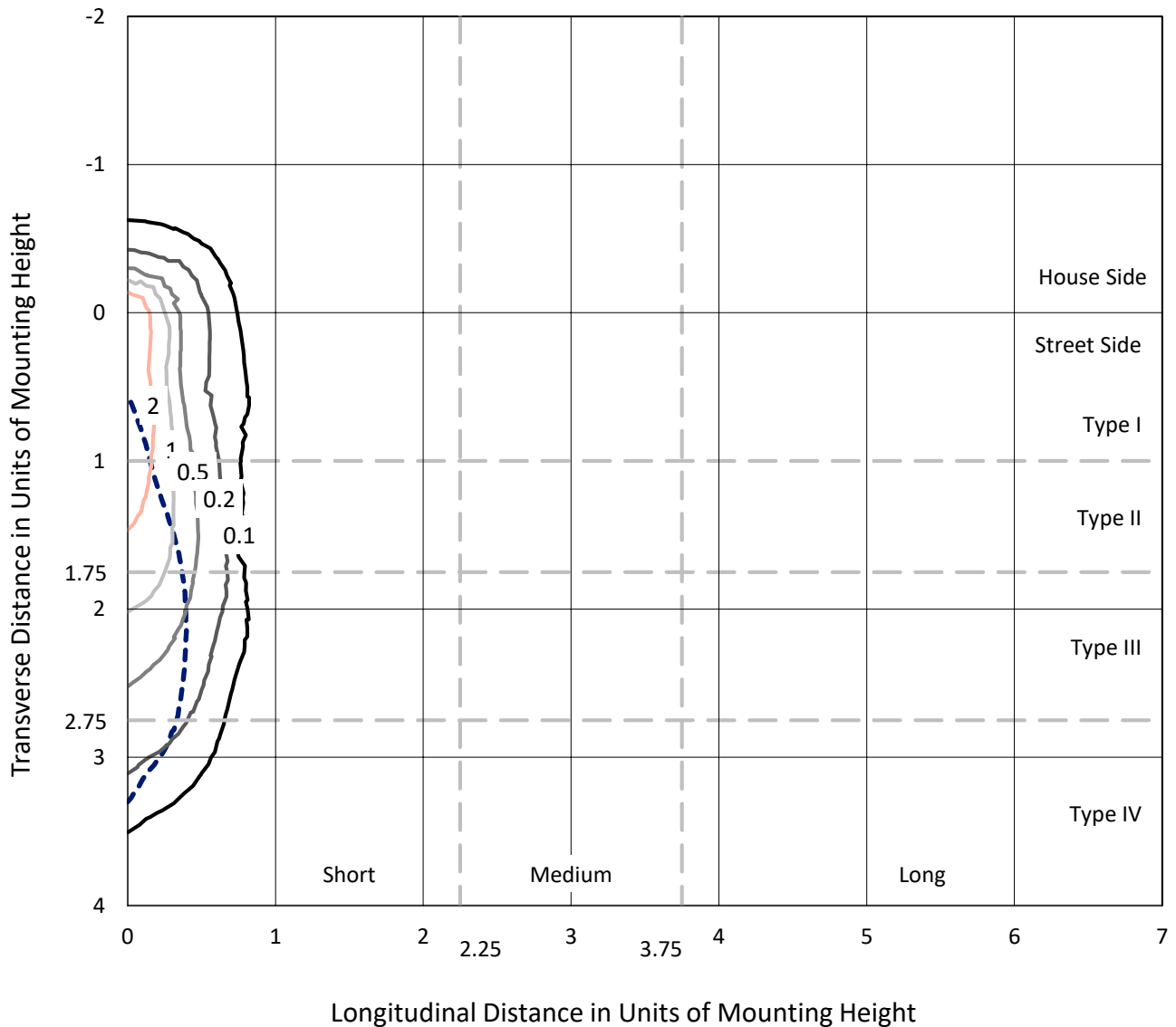




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### Iso-Footcandle Lines of Horizontal Illumination

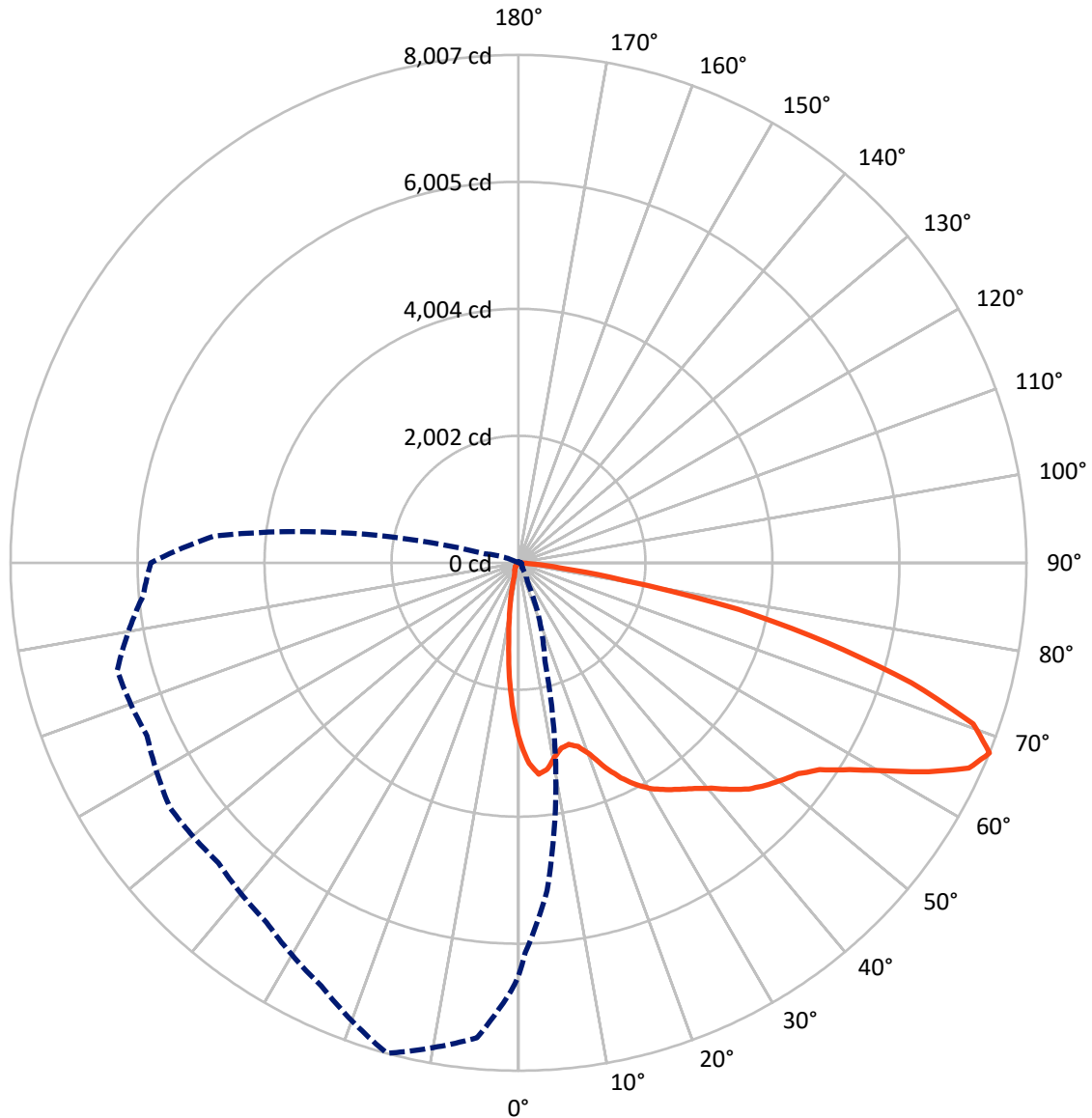
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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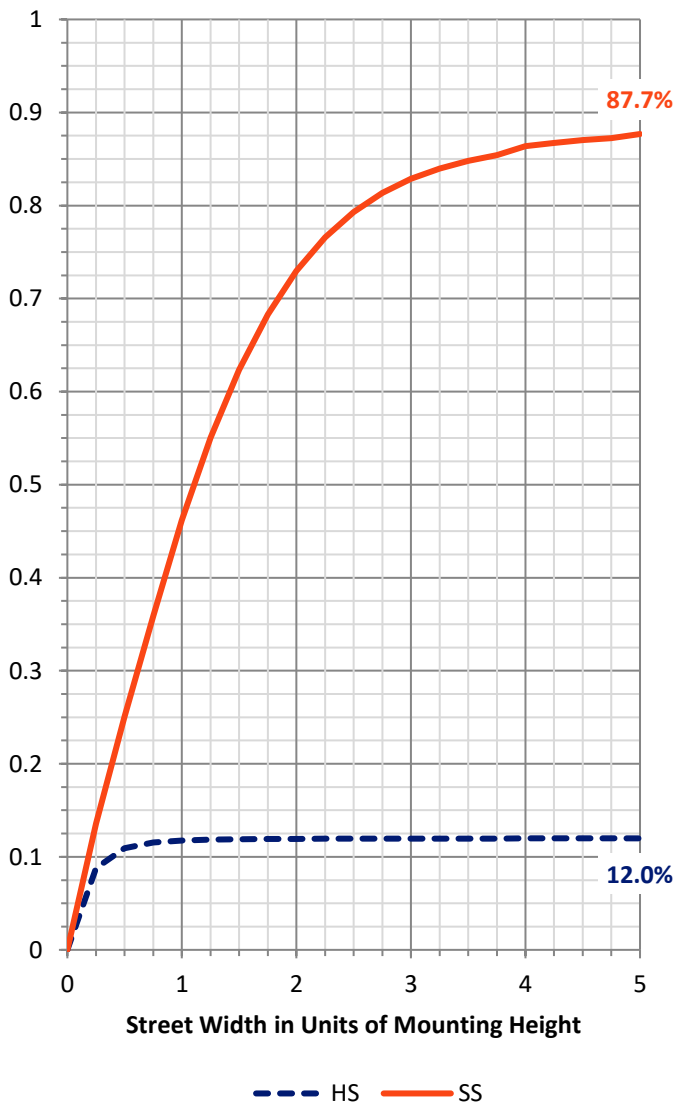
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1047.0   | 0.0    | 1047.0 |
|                    | % Fixture | 12.1     | 0.0    | 12.1   |
| <b>Street Side</b> | Lumens    | 7603.9   | 0.0    | 7603.9 |
|                    | % Fixture | 87.9     | 0.0    | 87.9   |
| <b>Total</b>       | Lumens    | 8651.0   | 0.0    | 8651.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 216.3  | 2.5       |
| 10°-20°   | 430.5  | 5.0       |
| 20°-30°   | 611.3  | 7.1       |
| 30°-40°   | 903.0  | 10.4      |
| 40°-50°   | 1302.3 | 15.1      |
| 50°-60°   | 1828.1 | 21.1      |
| 60°-70°   | 2131.0 | 24.6      |
| 70°-80°   | 1089.4 | 12.6      |
| 80°-90°   | 139.1  | 1.6       |
| 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°    | 8651.0 | 100.0     |
| 0°-180°   | 8651.0 | 100.0     |

**Coefficient of Utilization**

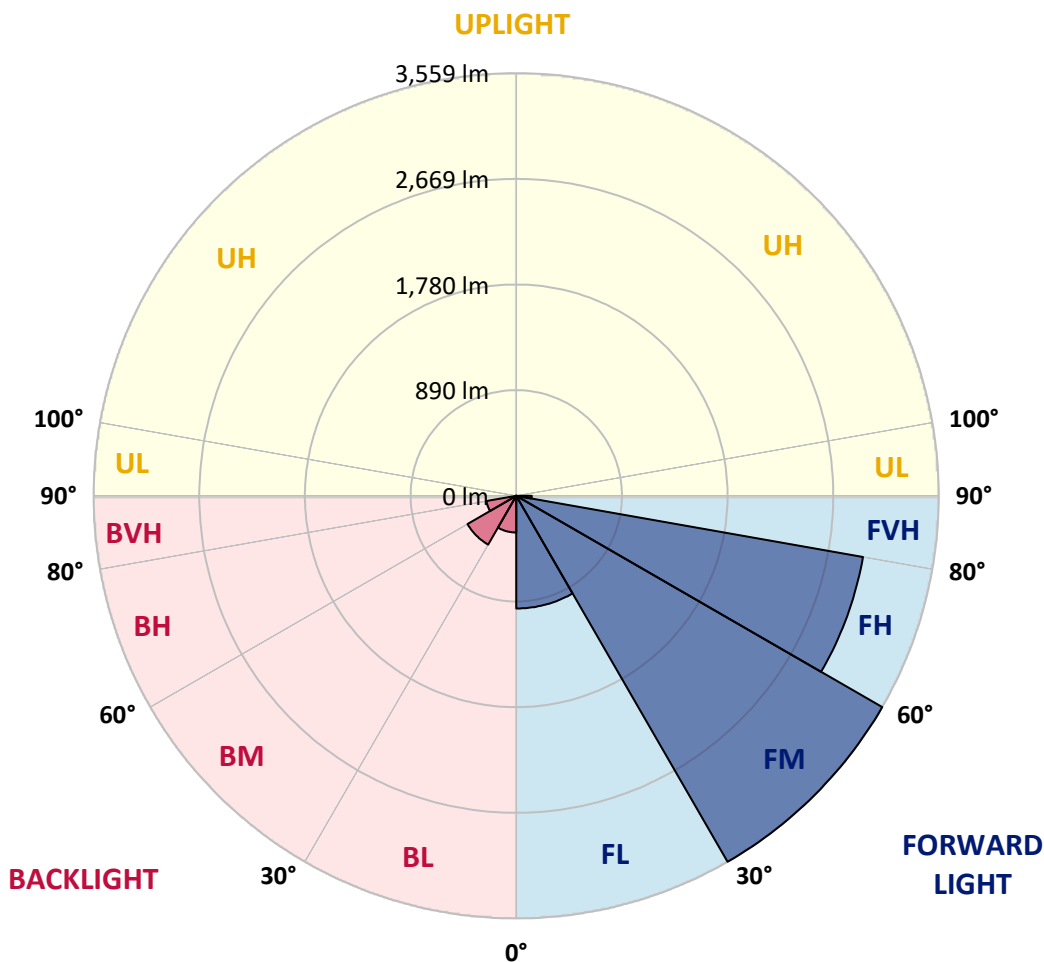


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 948.8  | 11.0      |                         |      |         |
| FM   | (30°-60°)   | 3559.2 | 41.1      |                         |      |         |
| FH   | (60°-80°)   | 2965.3 | 34.3      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 130.7  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 309.3  | 3.6       | B1/500                  |      |         |
| BM   | (30°-60°)   | 474.1  | 5.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 255.2  | 2.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.5    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 |
| 2.5°  | 3085.7 | 3061.9 | 3035.7 | 2950.0 | 2870.5 | 2779.5 | 2705.3 | 2653.7 | 2588.9 | 2504.9 | 2483.6 |
| 5°    | 3063.5 | 3038.1 | 2955.8 | 2765.2 | 2598.4 | 2436.1 | 2279.5 | 2187.7 | 2073.8 | 1958.2 | 1929.5 |
| 7.5°  | 2841.0 | 2814.4 | 2695.5 | 2434.4 | 2209.8 | 1975.4 | 1772.1 | 1646.3 | 1517.6 | 1411.9 | 1355.7 |
| 10°   | 2609.4 | 2580.3 | 2446.7 | 2129.9 | 1853.3 | 1641.4 | 1492.2 | 1372.1 | 1250.4 | 1137.3 | 1047.1 |
| 12.5° | 2450.0 | 2411.9 | 2266.8 | 1907.8 | 1666.8 | 1523.0 | 1383.6 | 1239.8 | 1075.0 | 953.7  | 854.5  |
| 15°   | 2383.2 | 2339.8 | 2186.5 | 1822.1 | 1600.8 | 1432.0 | 1250.4 | 1073.8 | 880.7  | 741.8  | 650.8  |
| 17.5° | 2434.8 | 2378.3 | 2213.9 | 1816.4 | 1518.0 | 1288.1 | 1058.6 | 851.2  | 641.8  | 501.2  | 436.5  |
| 20°   | 2610.3 | 2536.1 | 2327.5 | 1814.8 | 1417.6 | 1117.2 | 826.2  | 591.8  | 423.0  | 340.2  | 306.1  |
| 22.5° | 2886.5 | 2788.5 | 2490.6 | 1827.9 | 1313.9 | 937.7  | 596.7  | 402.1  | 317.6  | 274.6  | 254.5  |
| 25°   | 3220.1 | 3106.6 | 2725.4 | 1874.2 | 1223.0 | 763.1  | 433.6  | 317.6  | 268.0  | 236.5  | 219.7  |
| 27.5° | 3537.3 | 3445.1 | 3022.1 | 1941.0 | 1152.5 | 622.1  | 352.1  | 269.3  | 229.1  | 208.2  | 194.7  |
| 30°   | 3854.1 | 3738.1 | 3326.7 | 2020.5 | 1067.6 | 526.6  | 309.4  | 245.5  | 205.3  | 183.2  | 174.6  |
| 32.5° | 4084.4 | 3988.1 | 3565.2 | 2077.9 | 977.1  | 464.3  | 276.6  | 224.6  | 191.8  | 169.3  | 156.6  |
| 35°   | 4355.4 | 4246.3 | 3769.7 | 2090.6 | 918.9  | 425.0  | 248.8  | 202.1  | 166.4  | 146.3  | 132.8  |
| 37.5° | 4648.0 | 4512.3 | 4005.8 | 2062.7 | 873.4  | 405.7  | 227.9  | 191.8  | 155.3  | 134.8  | 120.5  |
| 40°   | 4971.7 | 4818.5 | 4232.4 | 2022.6 | 828.7  | 399.2  | 211.9  | 184.0  | 146.7  | 125.8  | 111.1  |
| 42.5° | 5312.7 | 5132.0 | 4428.7 | 1980.3 | 800.4  | 376.6  | 210.2  | 176.2  | 140.2  | 117.6  | 102.9  |
| 45°   | 5599.2 | 5416.0 | 4630.4 | 1966.4 | 780.3  | 352.1  | 217.2  | 170.9  | 135.7  | 111.1  | 96.7   |
| 47.5° | 5827.5 | 5654.1 | 4836.9 | 1997.6 | 768.9  | 329.5  | 198.0  | 177.9  | 133.2  | 105.3  | 91.4   |
| 50°   | 6100.0 | 5903.7 | 5127.9 | 2090.6 | 752.1  | 307.0  | 179.1  | 203.7  | 133.2  | 101.6  | 86.9   |
| 52.5° | 6441.8 | 6247.6 | 5452.5 | 2234.8 | 718.4  | 275.8  | 161.1  | 204.1  | 134.4  | 96.7   | 81.1   |
| 55°   | 6871.8 | 6730.8 | 5916.0 | 2393.0 | 664.8  | 229.9  | 139.3  | 175.4  | 129.5  | 87.7   | 75.8   |
| 57.5° | 7284.1 | 7168.9 | 6338.6 | 2501.2 | 593.0  | 179.5  | 121.3  | 141.4  | 118.4  | 77.0   | 67.6   |
| 59°   | 7396.8 | 7270.9 | 6493.5 | 2506.2 | 539.3  | 156.6  | 112.3  | 116.8  | 116.0  | 72.1   | 62.7   |
| 60°   | 7396.8 | 7263.2 | 6538.1 | 2479.9 | 500.4  | 143.9  | 106.6  | 104.1  | 120.9  | 68.9   | 59.8   |
| 62.5° | 7262.7 | 7075.0 | 6393.1 | 2302.5 | 408.2  | 122.5  | 93.0   | 86.1   | 108.6  | 61.9   | 52.9   |
| 65°   | 6984.1 | 6710.7 | 5898.8 | 1981.6 | 363.9  | 112.3  | 80.3   | 70.5   | 75.4   | 54.5   | 46.3   |
| 67.5° | 6519.3 | 6148.8 | 5186.1 | 1600.8 | 346.3  | 109.4  | 69.3   | 59.8   | 57.0   | 46.7   | 40.6   |
| 70°   | 5700.8 | 5289.8 | 4320.9 | 1258.6 | 331.1  | 108.2  | 58.2   | 50.4   | 45.9   | 39.3   | 34.4   |
| 72.5° | 4149.2 | 3720.5 | 3067.6 | 984.0  | 322.1  | 110.7  | 46.7   | 42.2   | 37.7   | 30.7   | 26.6   |
| 75°   | 2373.4 | 2092.6 | 1724.2 | 650.0  | 274.6  | 105.7  | 36.1   | 35.2   | 27.0   | 22.1   | 18.4   |
| 77.5° | 1226.2 | 1188.9 | 1033.2 | 249.6  | 131.6  | 46.3   | 23.8   | 20.5   | 16.0   | 13.5   | 11.1   |
| 80°   | 529.1  | 523.4  | 452.9  | 72.1   | 34.8   | 25.8   | 13.5   | 8.6    | 7.4    | 5.7    | 4.5    |
| 82.5° | 182.8  | 182.8  | 161.1  | 24.2   | 15.6   | 12.7   | 1.6    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 36.9   | 41.4   | 29.1   | 0.0    | 5.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 |
| 2.5°  | 2457.8 | 2408.2 | 2404.9 | 2373.8 | 2334.8 | 2317.2 | 2307.0 | 2325.0 | 2347.1 | 2349.6 | 2382.8 |
| 5°    | 1907.8 | 1855.7 | 1877.5 | 1822.1 | 1833.2 | 1822.1 | 1804.1 | 1807.4 | 1817.2 | 1786.5 | 1824.6 |
| 7.5°  | 1339.8 | 1300.4 | 1325.4 | 1310.7 | 1330.3 | 1338.1 | 1327.1 | 1310.7 | 1262.3 | 1256.6 | 1289.8 |
| 10°   | 1009.8 | 965.2  | 938.5  | 910.7  | 916.8  | 929.5  | 925.4  | 913.5  | 882.8  | 884.4  | 916.4  |
| 12.5° | 811.5  | 761.5  | 708.6  | 640.2  | 623.4  | 632.8  | 623.4  | 616.4  | 586.9  | 589.3  | 617.6  |
| 15°   | 615.6  | 574.6  | 519.3  | 464.3  | 434.4  | 437.3  | 411.1  | 392.6  | 374.2  | 352.1  | 369.3  |
| 17.5° | 415.6  | 390.6  | 374.2  | 357.8  | 322.1  | 313.9  | 280.7  | 245.1  | 231.1  | 220.9  | 228.3  |
| 20°   | 294.3  | 280.7  | 274.2  | 273.4  | 252.9  | 242.6  | 210.2  | 188.1  | 181.1  | 179.1  | 183.6  |
| 22.5° | 245.9  | 236.1  | 226.6  | 221.3  | 211.1  | 199.2  | 174.6  | 163.5  | 158.6  | 156.1  | 159.4  |
| 25°   | 213.9  | 206.6  | 196.7  | 187.7  | 183.6  | 170.9  | 153.3  | 145.1  | 141.8  | 139.3  | 141.0  |
| 27.5° | 190.2  | 183.6  | 172.1  | 166.4  | 163.1  | 152.0  | 136.9  | 130.3  | 127.5  | 126.6  | 126.2  |
| 30°   | 171.3  | 165.2  | 154.5  | 148.0  | 142.2  | 132.4  | 123.4  | 116.8  | 113.9  | 113.1  | 112.3  |
| 32.5° | 152.5  | 147.5  | 140.6  | 134.0  | 127.9  | 118.9  | 111.1  | 105.7  | 101.2  | 100.4  | 100.0  |
| 35°   | 128.7  | 123.8  | 120.1  | 119.7  | 113.9  | 105.3  | 99.6   | 92.6   | 88.9   | 87.7   | 88.1   |
| 37.5° | 114.3  | 107.8  | 99.6   | 102.5  | 100.8  | 94.7   | 86.9   | 79.9   | 76.2   | 75.4   | 75.4   |
| 40°   | 105.3  | 98.4   | 88.9   | 84.0   | 88.9   | 87.7   | 75.4   | 68.4   | 64.8   | 64.3   | 63.5   |
| 42.5° | 96.7   | 89.8   | 79.1   | 70.9   | 73.4   | 77.0   | 65.2   | 58.6   | 54.9   | 54.1   | 52.9   |
| 45°   | 90.6   | 83.2   | 71.3   | 61.9   | 57.0   | 64.8   | 55.7   | 47.5   | 45.5   | 43.9   | 43.0   |
| 47.5° | 84.8   | 77.9   | 64.3   | 53.7   | 45.5   | 46.7   | 44.7   | 38.9   | 36.5   | 34.8   | 34.4   |
| 50°   | 79.9   | 72.5   | 58.2   | 45.9   | 37.7   | 34.4   | 36.1   | 30.7   | 28.7   | 27.0   | 26.2   |
| 52.5° | 74.2   | 67.2   | 51.6   | 39.8   | 31.6   | 27.0   | 27.5   | 24.2   | 22.1   | 20.9   | 20.5   |
| 55°   | 69.7   | 62.7   | 46.3   | 34.8   | 27.9   | 22.1   | 19.7   | 18.9   | 17.6   | 16.8   | 16.4   |
| 57.5° | 63.5   | 57.0   | 41.0   | 29.5   | 23.8   | 18.0   | 15.2   | 15.2   | 14.8   | 13.9   | 13.5   |
| 59°   | 59.8   | 54.1   | 37.7   | 26.6   | 21.7   | 15.6   | 13.5   | 13.9   | 13.5   | 12.7   | 12.3   |
| 60°   | 57.0   | 51.6   | 35.2   | 24.6   | 20.5   | 14.3   | 12.3   | 13.1   | 12.7   | 11.9   | 11.5   |
| 62.5° | 50.4   | 46.7   | 30.3   | 20.5   | 18.0   | 11.5   | 10.2   | 11.1   | 11.1   | 10.7   | 10.2   |
| 65°   | 44.3   | 40.2   | 25.8   | 17.2   | 16.8   | 9.8    | 8.2    | 9.8    | 10.2   | 9.4    | 8.6    |
| 67.5° | 38.5   | 34.4   | 22.5   | 13.9   | 15.6   | 7.8    | 6.1    | 8.2    | 11.1   | 8.6    | 7.8    |
| 70°   | 32.8   | 28.7   | 17.6   | 11.1   | 16.4   | 5.3    | 4.9    | 7.4    | 13.1   | 9.4    | 7.4    |
| 72.5° | 25.4   | 22.1   | 12.3   | 8.2    | 17.6   | 3.7    | 3.7    | 6.1    | 14.8   | 10.2   | 7.0    |
| 75°   | 17.6   | 14.3   | 7.4    | 4.9    | 14.3   | 2.5    | 2.5    | 5.7    | 13.9   | 9.4    | 6.6    |
| 77.5° | 10.2   | 7.8    | 2.5    | 0.4    | 7.4    | 0.0    | 0.4    | 4.1    | 9.8    | 5.7    | 2.9    |
| 80°   | 3.7    | 1.6    | 0.0    | 0.0    | 4.5    | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    | 0.0    |





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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 |
| 2.5°  | 2391.4 | 2446.7 | 2496.3 | 2571.3 | 2660.3 | 2762.7 | 2850.8 | 2945.5 | 3034.4 | 3071.3 | 3096.7 |
| 5°    | 1832.4 | 1900.8 | 1980.7 | 2091.0 | 2237.7 | 2418.5 | 2587.7 | 2779.1 | 2984.9 | 3087.7 | 3184.4 |
| 7.5°  | 1295.5 | 1365.2 | 1464.4 | 1581.6 | 1759.0 | 1974.2 | 2195.5 | 2459.8 | 2738.5 | 2901.2 | 3061.5 |
| 10°   | 931.6  | 1017.2 | 1109.8 | 1270.1 | 1450.4 | 1654.5 | 1882.4 | 2177.5 | 2488.1 | 2668.5 | 2861.5 |
| 12.5° | 634.0  | 731.6  | 871.7  | 1051.2 | 1263.1 | 1463.1 | 1661.1 | 1942.6 | 2303.3 | 2482.0 | 2688.9 |
| 15°   | 380.3  | 434.4  | 582.8  | 790.6  | 1050.4 | 1299.6 | 1516.4 | 1798.8 | 2183.2 | 2402.1 | 2617.2 |
| 17.5° | 234.4  | 259.4  | 340.2  | 510.7  | 783.6  | 1098.8 | 1395.9 | 1750.0 | 2200.4 | 2466.8 | 2697.1 |
| 20°   | 186.9  | 196.7  | 222.5  | 301.6  | 519.3  | 877.5  | 1260.3 | 1740.2 | 2341.0 | 2668.9 | 2916.0 |
| 22.5° | 162.3  | 171.7  | 188.9  | 219.3  | 326.6  | 657.0  | 1131.6 | 1749.2 | 2542.6 | 2971.7 | 3260.3 |
| 25°   | 143.0  | 151.2  | 167.6  | 192.6  | 239.3  | 462.7  | 993.9  | 1789.4 | 2805.3 | 3347.6 | 3654.1 |
| 27.5° | 127.9  | 134.8  | 150.0  | 173.0  | 205.3  | 323.0  | 837.7  | 1838.1 | 3116.8 | 3732.0 | 4034.4 |
| 30°   | 113.9  | 120.1  | 133.6  | 154.9  | 178.3  | 248.4  | 666.4  | 1871.3 | 3428.7 | 4034.4 | 4306.2 |
| 32.5° | 102.0  | 106.6  | 118.9  | 136.9  | 154.9  | 198.0  | 506.6  | 1866.0 | 3660.3 | 4286.1 | 4501.7 |
| 35°   | 89.8   | 94.3   | 104.9  | 120.5  | 134.8  | 163.5  | 398.4  | 1766.4 | 3861.9 | 4547.2 | 4725.4 |
| 37.5° | 76.2   | 82.0   | 92.2   | 106.1  | 116.0  | 143.9  | 322.1  | 1646.3 | 4066.4 | 4845.5 | 4975.0 |
| 40°   | 64.8   | 70.5   | 79.5   | 94.7   | 100.8  | 136.5  | 247.5  | 1500.0 | 4296.3 | 5179.1 | 5248.8 |
| 42.5° | 53.7   | 59.0   | 68.4   | 81.6   | 95.1   | 117.6  | 183.2  | 1332.8 | 4517.2 | 5464.4 | 5498.4 |
| 45°   | 43.4   | 48.8   | 58.6   | 71.7   | 101.6  | 97.5   | 141.8  | 1153.7 | 4695.5 | 5701.7 | 5712.7 |
| 47.5° | 34.4   | 39.3   | 49.6   | 67.6   | 94.7   | 77.9   | 101.2  | 1013.1 | 4845.1 | 5886.9 | 5857.8 |
| 50°   | 26.6   | 30.7   | 41.4   | 77.5   | 82.8   | 64.3   | 76.6   | 966.4  | 4979.1 | 6001.7 | 5926.3 |
| 52.5° | 20.9   | 24.6   | 34.0   | 72.5   | 64.3   | 53.3   | 64.3   | 1010.3 | 5162.7 | 6096.8 | 5964.8 |
| 55°   | 16.8   | 20.5   | 26.6   | 41.4   | 43.9   | 45.1   | 54.9   | 1051.2 | 5479.5 | 6319.7 | 6192.2 |
| 57.5° | 13.9   | 17.6   | 21.7   | 29.1   | 33.2   | 38.1   | 48.8   | 1055.7 | 5852.9 | 6690.2 | 6569.7 |
| 59°   | 12.7   | 16.0   | 19.7   | 25.8   | 29.1   | 34.8   | 45.9   | 1031.2 | 5984.5 | 6825.0 | 6764.8 |
| 60°   | 11.9   | 15.2   | 18.4   | 23.8   | 27.0   | 32.8   | 44.3   | 1007.8 | 5990.2 | 6820.1 | 6848.0 |
| 62.5° | 10.2   | 13.5   | 16.4   | 20.1   | 23.0   | 27.9   | 39.8   | 921.3  | 5747.6 | 6596.8 | 6798.0 |
| 65°   | 9.0    | 11.9   | 14.8   | 17.2   | 19.7   | 25.0   | 36.1   | 763.5  | 5333.2 | 6236.5 | 6455.8 |
| 67.5° | 8.2    | 10.2   | 13.5   | 15.2   | 17.6   | 22.1   | 32.0   | 544.3  | 4815.6 | 5795.9 | 5938.1 |
| 70°   | 7.4    | 9.8    | 12.3   | 13.9   | 16.0   | 19.3   | 27.5   | 312.7  | 4066.4 | 5150.8 | 5252.1 |
| 72.5° | 7.0    | 9.4    | 11.1   | 13.1   | 14.3   | 17.2   | 25.0   | 147.1  | 2977.5 | 4126.3 | 4390.6 |
| 75°   | 6.1    | 8.6    | 10.2   | 12.3   | 13.5   | 15.6   | 21.3   | 70.5   | 1980.3 | 2986.1 | 3286.5 |
| 77.5° | 3.7    | 7.0    | 9.4    | 11.1   | 11.9   | 13.5   | 17.6   | 40.6   | 1263.9 | 2066.8 | 2434.4 |
| 80°   | 0.0    | 2.5    | 7.0    | 9.4    | 10.2   | 11.5   | 13.5   | 32.0   | 676.2  | 1180.7 | 1417.2 |
| 82.5° | 0.0    | 0.0    | 4.9    | 7.4    | 7.0    | 7.8    | 10.2   | 20.1   | 304.9  | 771.7  | 869.7  |
| 85°   | 0.0    | 0.0    | 1.6    | 5.7    | 4.9    | 3.7    | 7.0    | 7.0    | 66.8   | 390.6  | 487.3  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.4    | 2.5    | 1.6    | 2.9    | 0.8    | 0.4    | 29.1   | 118.0  |
| 90°   | 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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**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 | 2818.0 |
| 2.5°  | 3185.7 | 3216.0 | 3267.2 | 3291.4 | 3279.5 | 3229.1 | 3168.9 | 3107.4 | 3071.3 | 3085.7 |
| 5°    | 3381.6 | 3537.7 | 3627.9 | 3657.8 | 3607.8 | 3494.7 | 3346.7 | 3151.7 | 3082.4 | 3063.5 |
| 7.5°  | 3381.6 | 3675.4 | 3861.5 | 3894.3 | 3782.8 | 3561.1 | 3283.6 | 2979.1 | 2877.9 | 2841.0 |
| 10°   | 3262.7 | 3662.7 | 3922.2 | 3974.2 | 3818.5 | 3486.9 | 3115.2 | 2767.6 | 2647.6 | 2609.4 |
| 12.5° | 3128.7 | 3559.4 | 3832.8 | 3904.5 | 3776.7 | 3413.1 | 2998.4 | 2624.6 | 2483.2 | 2450.0 |
| 15°   | 3046.3 | 3432.4 | 3658.6 | 3710.7 | 3656.6 | 3370.1 | 2970.5 | 2581.6 | 2415.2 | 2383.2 |
| 17.5° | 3075.8 | 3334.0 | 3415.6 | 3445.9 | 3482.4 | 3354.9 | 3046.3 | 2675.8 | 2465.2 | 2434.8 |
| 20°   | 3186.9 | 3230.3 | 3188.1 | 3226.2 | 3324.6 | 3369.7 | 3227.1 | 2903.7 | 2650.8 | 2610.3 |
| 22.5° | 3375.4 | 3176.7 | 3058.2 | 3073.4 | 3193.0 | 3418.5 | 3503.3 | 3229.1 | 2937.3 | 2886.5 |
| 25°   | 3595.1 | 3220.1 | 2986.1 | 2972.6 | 3095.5 | 3482.8 | 3755.8 | 3583.2 | 3276.2 | 3220.1 |
| 27.5° | 3871.3 | 3317.6 | 2971.3 | 2957.8 | 3061.5 | 3543.1 | 3965.6 | 3933.2 | 3633.2 | 3537.3 |
| 30°   | 4084.4 | 3413.5 | 3015.2 | 2984.0 | 3095.5 | 3584.9 | 4134.0 | 4230.3 | 3917.6 | 3854.1 |
| 32.5° | 4237.3 | 3526.7 | 3086.5 | 3041.4 | 3191.4 | 3657.0 | 4264.0 | 4502.5 | 4180.8 | 4084.4 |
| 35°   | 4353.7 | 3649.6 | 3201.7 | 3127.5 | 3323.4 | 3766.4 | 4385.7 | 4792.2 | 4460.7 | 4355.4 |
| 37.5° | 4462.7 | 3822.2 | 3381.6 | 3293.0 | 3530.3 | 3942.6 | 4514.4 | 5120.9 | 4773.8 | 4648.0 |
| 40°   | 4614.8 | 4017.6 | 3659.0 | 3580.3 | 3878.3 | 4182.8 | 4675.0 | 5463.6 | 5129.9 | 4971.7 |
| 42.5° | 4766.8 | 4227.5 | 3943.1 | 3964.4 | 4312.3 | 4474.6 | 4882.4 | 5825.8 | 5481.6 | 5312.7 |
| 45°   | 4905.8 | 4443.9 | 4347.6 | 4445.9 | 4715.2 | 4794.7 | 5088.6 | 6035.3 | 5762.3 | 5599.2 |
| 47.5° | 5029.5 | 4714.4 | 4749.6 | 5011.5 | 5173.4 | 5084.5 | 5242.6 | 6216.0 | 5971.3 | 5827.5 |
| 50°   | 5173.4 | 5064.4 | 5279.5 | 5650.0 | 5700.8 | 5346.7 | 5382.8 | 6430.0 | 6215.6 | 6100.0 |
| 52.5° | 5330.8 | 5433.2 | 5866.4 | 6193.1 | 6176.7 | 5631.6 | 5523.8 | 6669.7 | 6550.4 | 6441.8 |
| 55°   | 5509.5 | 5731.2 | 6383.2 | 6701.3 | 6687.3 | 5949.6 | 5757.4 | 6966.0 | 6970.1 | 6871.8 |
| 57.5° | 5774.6 | 5987.7 | 6734.1 | 7112.3 | 7135.7 | 6316.8 | 6153.3 | 7298.0 | 7349.6 | 7284.1 |
| 59°   | 5964.8 | 6154.1 | 6873.0 | 7284.1 | 7379.1 | 6600.9 | 6442.7 | 7490.6 | 7456.6 | 7396.8 |
| 60°   | 6105.8 | 6259.9 | 6941.8 | 7373.8 | 7520.5 | 6793.5 | 6656.2 | 7603.7 | 7469.3 | 7396.8 |
| 62.5° | 6454.5 | 6490.2 | 7066.0 | 7475.4 | 7683.2 | 7221.3 | 7257.0 | 7796.4 | 7381.2 | 7262.7 |
| 65°   | 6617.2 | 6635.7 | 7064.4 | 7293.5 | 7525.9 | 7554.5 | 7802.1 | 7802.1 | 7166.0 | 6984.1 |
| 67.5° | 6549.2 | 6460.3 | 6714.0 | 6690.2 | 6922.2 | 7356.6 | 8007.0 | 7516.0 | 6754.5 | 6519.3 |
| 70°   | 5995.9 | 5653.7 | 5541.0 | 5551.3 | 5728.7 | 6398.8 | 7601.3 | 6674.2 | 5975.9 | 5700.8 |
| 72.5° | 4989.0 | 4168.1 | 3889.8 | 4207.4 | 4253.7 | 4917.6 | 6477.9 | 5026.3 | 4407.0 | 4149.2 |
| 75°   | 4012.7 | 2938.1 | 2485.7 | 2820.9 | 2899.6 | 3598.8 | 5011.1 | 3130.3 | 2574.2 | 2373.4 |
| 77.5° | 2882.8 | 2109.0 | 1783.6 | 1760.3 | 1861.9 | 2282.4 | 3555.8 | 1575.4 | 1313.9 | 1226.2 |
| 80°   | 1637.7 | 1388.1 | 1494.7 | 1410.3 | 1461.5 | 1427.1 | 1689.4 | 691.0  | 566.0  | 529.1  |
| 82.5° | 988.5  | 820.5  | 888.5  | 739.8  | 936.1  | 815.2  | 650.8  | 221.3  | 192.2  | 182.8  |
| 85°   | 643.0  | 448.4  | 233.6  | 156.6  | 322.5  | 520.9  | 145.5  | 60.2   | 46.3   | 36.9   |
| 87.5° | 221.7  | 114.3  | 11.5   | 4.9    | 34.4   | 97.1   | 5.3    | 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    |

(END OF REPORT)