

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: P453539

Luminaire Tested: **GALN-SA4C-750-U-SLR-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P453539  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA4C-750-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5000K, 1050mA 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: 19973 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

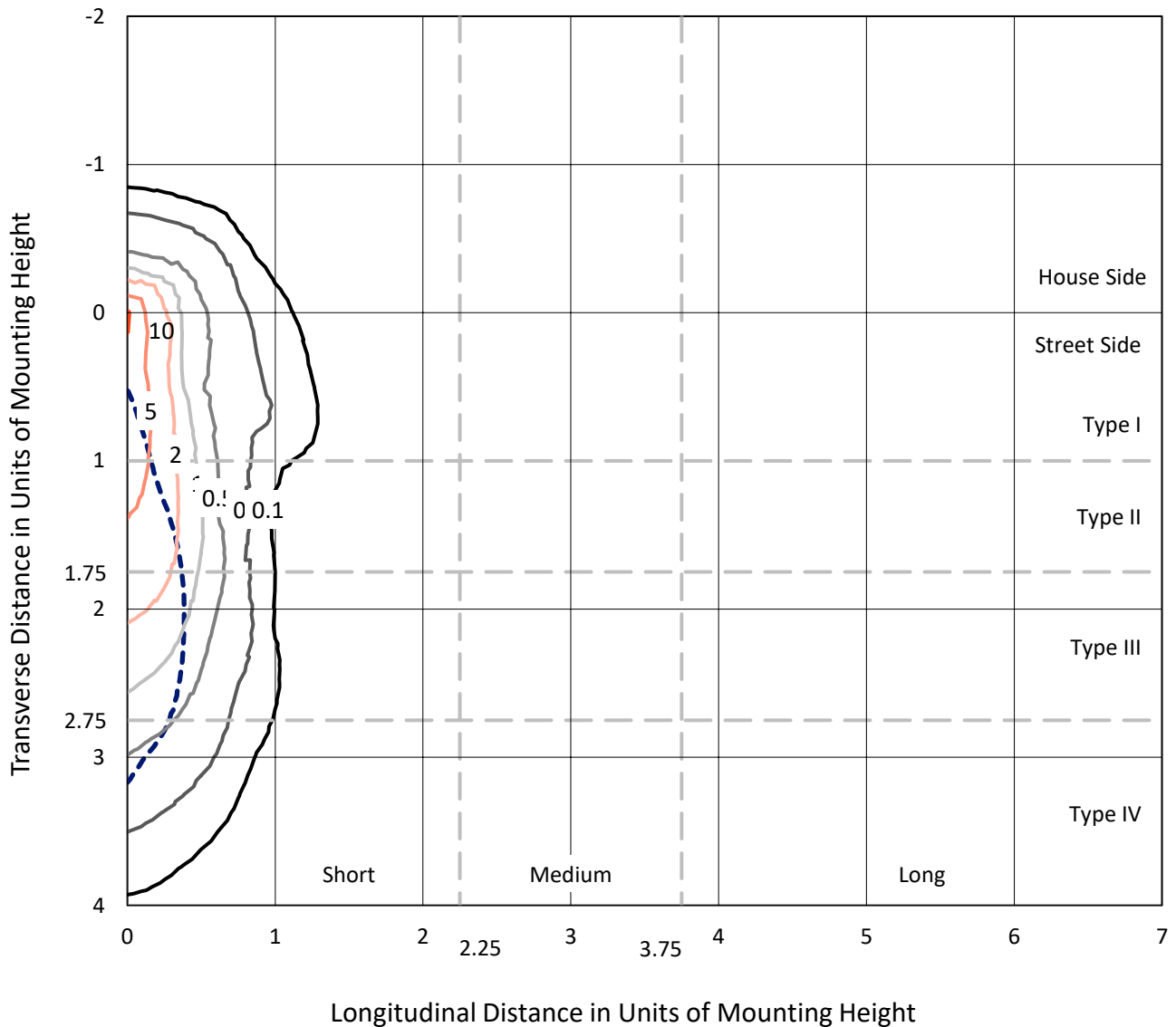
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

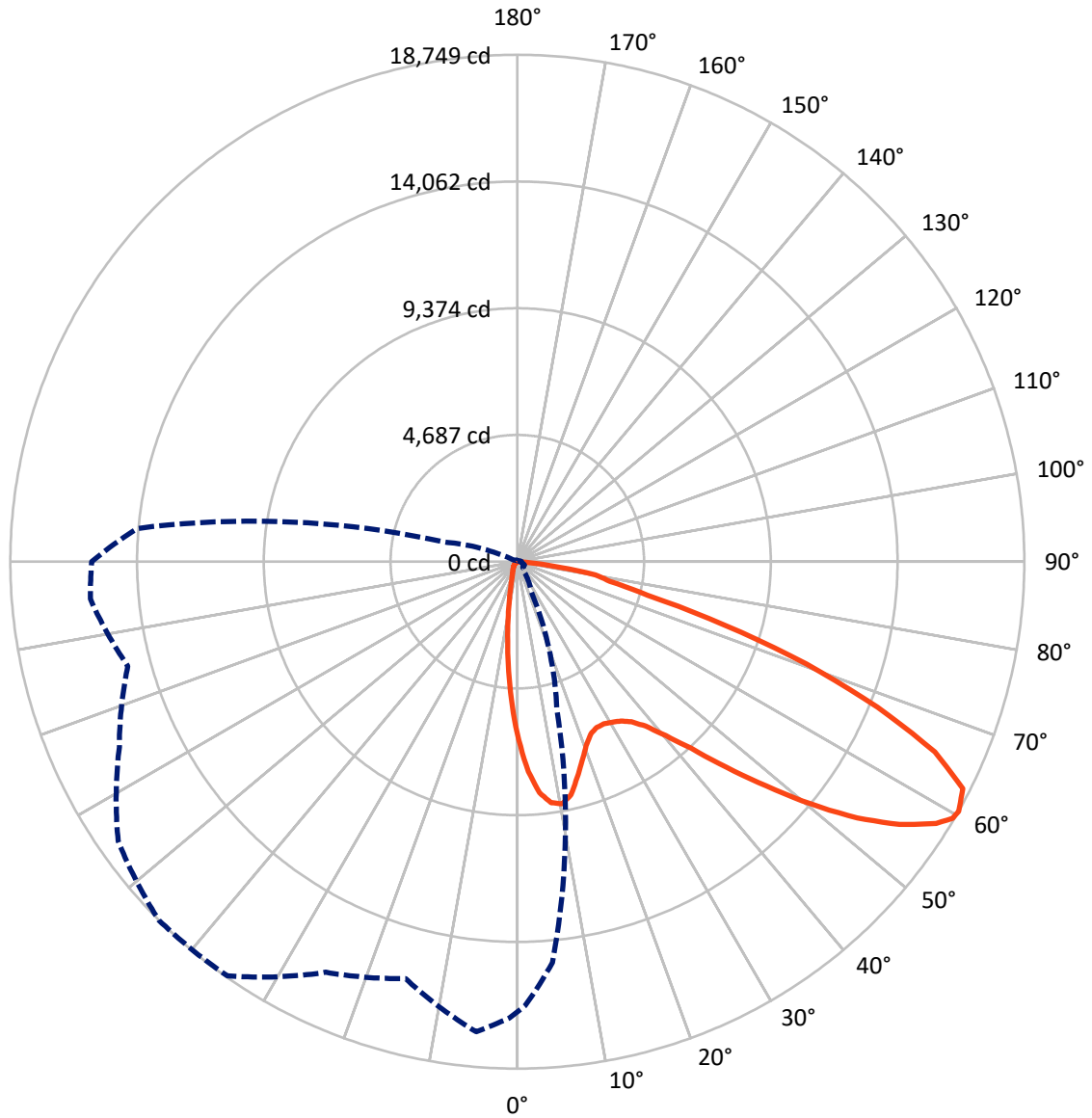
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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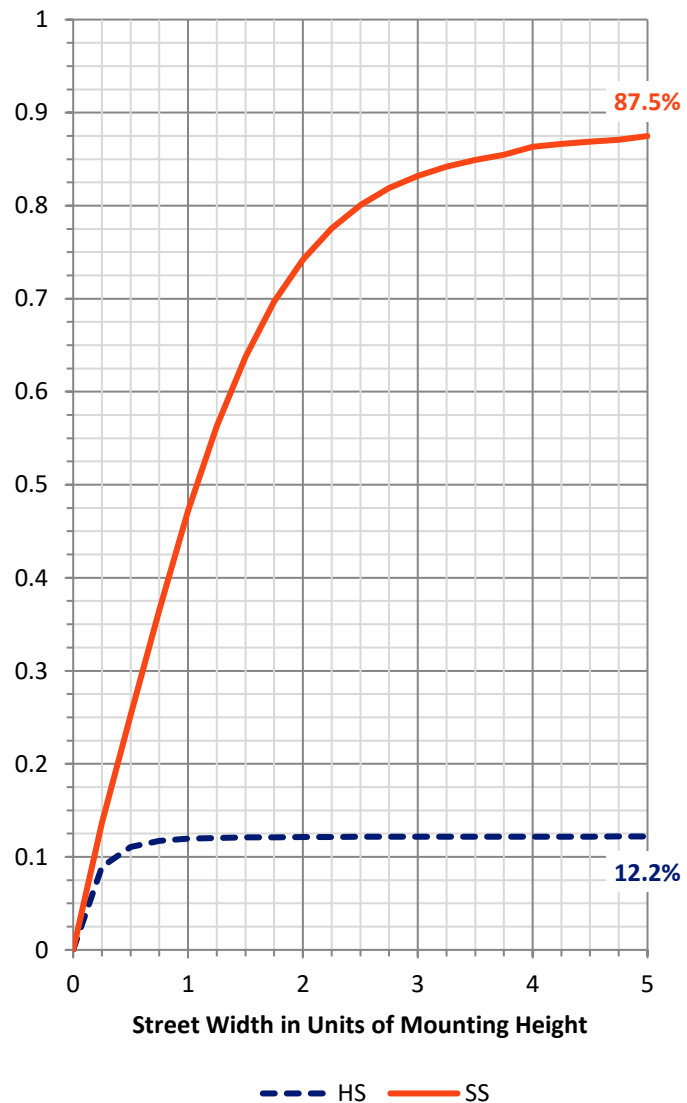
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2463.5   | 0.0    | 2463.5  |
|                    | % Fixture | 12.3     | 0.0    | 12.3    |
| <b>Street Side</b> | Lumens    | 17509.5  | 0.0    | 17509.5 |
|                    | % Fixture | 87.7     | 0.0    | 87.7    |
| <b>Total</b>       | Lumens    | 19973.0  | 0.0    | 19973.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 491.0   | 2.5       |
| 10°-20°   | 975.1   | 4.9       |
| 20°-30°   | 1429.8  | 7.2       |
| 30°-40°   | 2126.3  | 10.6      |
| 40°-50°   | 3094.4  | 15.5      |
| 50°-60°   | 4462.4  | 22.3      |
| 60°-70°   | 4908.2  | 24.6      |
| 70°-80°   | 2198.5  | 11.0      |
| 80°-90°   | 287.3   | 1.4       |
| 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°    | 19973.0 | 100.0     |
| 0°-180°   | 19973.0 | 100.0     |



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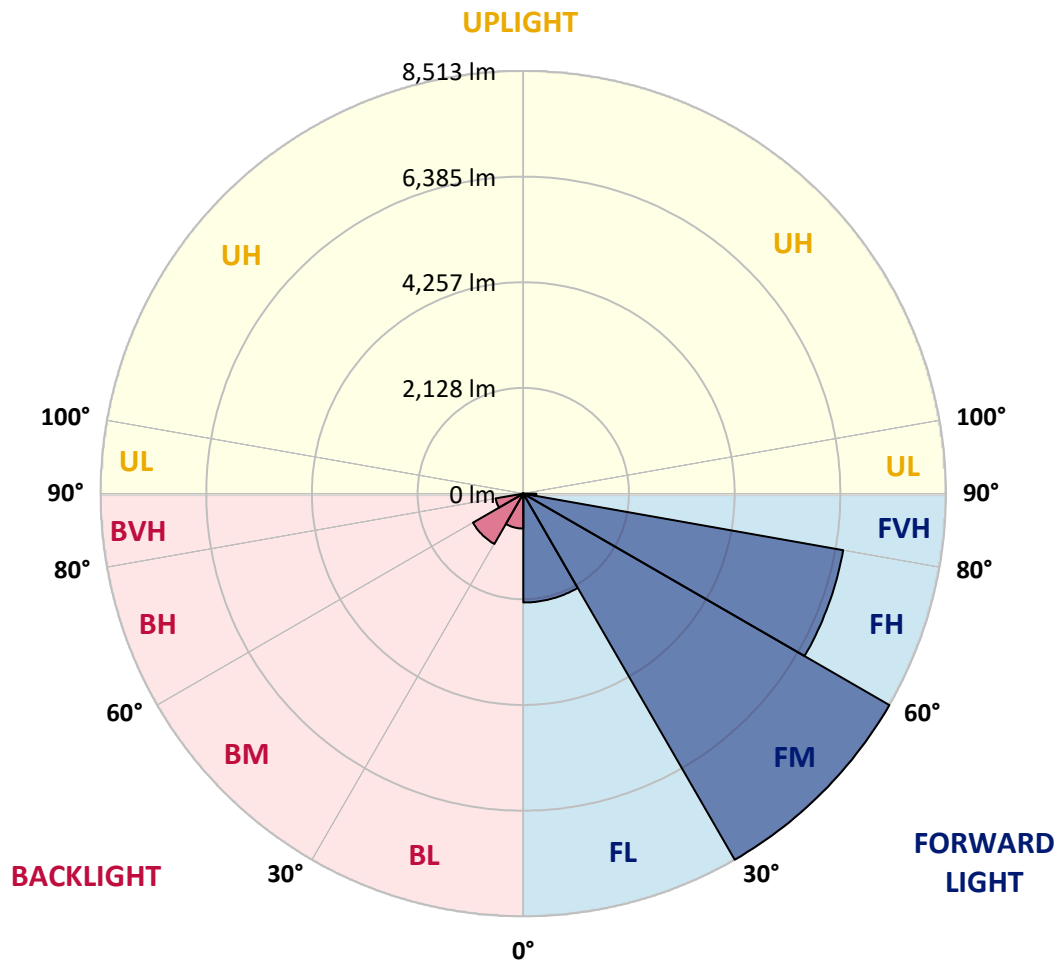
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 2192.0 | 11.0      |                         |      |         |
| FM (30°-60°)   | 8513.1 | 42.6      |                         |      |         |
| FH (60°-80°)   | 6541.8 | 32.8      |                         |      | G3/7500 |
| FVH (80°-90°)  | 262.7  | 1.3       |                         |      | G3/500  |
| BL (0°-30°)    | 703.9  | 3.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 1170.1 | 5.9       | B2/2500                 |      |         |
| BH (60°-80°)   | 564.9  | 2.8       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 24.6   | 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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6601.4  | 6601.4  | 6601.4  | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 |
| 2.5°  | 7257.2  | 7225.4  | 7152.5  | 6930.8 | 6738.0 | 6486.0 | 6230.9 | 6030.5 | 5907.5 | 5681.3 | 5578.1 |
| 5°    | 7031.0  | 7046.2  | 6835.2  | 6379.7 | 5872.6 | 5526.4 | 5148.4 | 4847.8 | 4516.8 | 4307.3 | 4087.1 |
| 7.5°  | 6440.4  | 6410.1  | 6180.8  | 5546.2 | 4929.8 | 4428.7 | 3950.5 | 3561.8 | 3317.4 | 3121.5 | 2957.6 |
| 10°   | 5934.8  | 5912.1  | 5619.1  | 4802.2 | 4140.3 | 3765.3 | 3441.9 | 3101.8 | 2839.1 | 2552.2 | 2322.9 |
| 12.5° | 5617.5  | 5565.9  | 5228.9  | 4375.6 | 3836.6 | 3487.4 | 3135.2 | 2781.4 | 2418.6 | 2128.6 | 1850.7 |
| 15°   | 5511.3  | 5436.9  | 5061.9  | 4228.3 | 3642.3 | 3199.0 | 2757.1 | 2350.3 | 1932.7 | 1612.4 | 1402.9 |
| 17.5° | 5704.1  | 5581.1  | 5181.8  | 4202.5 | 3410.0 | 2822.4 | 2278.9 | 1749.0 | 1314.8 | 1070.4 | 941.3  |
| 20°   | 6145.9  | 6004.7  | 5485.4  | 4176.7 | 3151.9 | 2400.4 | 1732.3 | 1235.9 | 909.4  | 775.8  | 704.5  |
| 22.5° | 6801.8  | 6607.4  | 5934.8  | 4217.7 | 2913.5 | 1988.9 | 1251.0 | 873.0  | 722.7  | 639.2  | 589.1  |
| 25°   | 7589.7  | 7427.3  | 6504.2  | 4363.5 | 2725.3 | 1665.5 | 967.1  | 713.6  | 608.8  | 557.2  | 519.2  |
| 27.5° | 8453.6  | 8194.0  | 7240.5  | 4538.1 | 2553.7 | 1415.0 | 848.7  | 637.7  | 542.0  | 495.0  | 475.2  |
| 30°   | 9068.5  | 8866.6  | 7857.0  | 4659.5 | 2339.6 | 1226.7 | 775.8  | 628.6  | 543.5  | 487.4  | 450.9  |
| 32.5° | 9675.8  | 9417.7  | 8373.2  | 4715.7 | 2183.2 | 1096.2 | 671.1  | 548.1  | 476.7  | 447.9  | 411.4  |
| 35°   | 10325.6 | 10055.4 | 8887.9  | 4685.3 | 2066.3 | 1009.6 | 608.8  | 488.9  | 408.4  | 359.8  | 323.4  |
| 37.5° | 10983.0 | 10697.6 | 9399.5  | 4576.0 | 1993.5 | 974.7  | 560.2  | 464.6  | 385.6  | 335.5  | 296.1  |
| 40°   | 11763.4 | 11382.3 | 9879.3  | 4486.4 | 1917.6 | 956.5  | 528.4  | 449.4  | 368.9  | 315.8  | 276.3  |
| 42.5° | 12401.1 | 12038.2 | 10333.2 | 4439.4 | 1865.9 | 914.0  | 528.4  | 437.3  | 358.3  | 299.1  | 258.1  |
| 45°   | 13005.4 | 12628.8 | 10823.6 | 4477.3 | 1844.7 | 860.8  | 534.4  | 435.7  | 350.7  | 286.9  | 246.0  |
| 47.5° | 13510.9 | 13184.5 | 11327.7 | 4620.0 | 1817.3 | 803.2  | 502.5  | 457.0  | 346.2  | 276.3  | 233.8  |
| 50°   | 14107.6 | 13791.8 | 11994.2 | 4908.5 | 1768.8 | 745.5  | 463.1  | 491.9  | 344.6  | 267.2  | 223.2  |
| 52.5° | 14948.7 | 14607.1 | 12914.3 | 5236.5 | 1691.3 | 657.4  | 426.6  | 487.4  | 338.6  | 252.0  | 212.6  |
| 55°   | 15976.6 | 15700.2 | 13980.1 | 5629.7 | 1585.1 | 558.7  | 368.9  | 432.7  | 320.4  | 226.2  | 194.3  |
| 57.5° | 16635.5 | 16400.2 | 14778.7 | 5799.7 | 1422.6 | 457.0  | 324.9  | 362.9  | 293.0  | 201.9  | 173.1  |
| 59°   | 16712.9 | 16500.4 | 14945.7 | 5743.5 | 1316.3 | 417.5  | 303.7  | 311.2  | 285.4  | 188.3  | 160.9  |
| 60°   | 16647.6 | 16427.5 | 14878.9 | 5634.2 | 1217.6 | 390.2  | 285.4  | 276.3  | 286.9  | 180.7  | 151.8  |
| 62.5° | 16228.6 | 15852.1 | 14230.6 | 5080.1 | 1064.3 | 358.3  | 253.5  | 226.2  | 253.5  | 162.5  | 135.1  |
| 65°   | 15419.4 | 14854.6 | 12947.7 | 4299.7 | 1003.6 | 340.1  | 215.6  | 189.8  | 192.8  | 142.7  | 116.9  |
| 67.5° | 14005.9 | 13293.8 | 11239.6 | 3493.5 | 977.8  | 341.6  | 182.2  | 170.0  | 148.8  | 121.5  | 103.2  |
| 70°   | 11771.0 | 11060.5 | 9018.4  | 2874.1 | 965.6  | 341.6  | 154.9  | 145.8  | 124.5  | 101.7  | 89.6   |
| 72.5° | 8341.3  | 7576.1  | 6083.6  | 2257.6 | 870.0  | 340.1  | 132.1  | 132.1  | 101.7  | 85.0   | 72.9   |
| 75°   | 4712.7  | 4718.7  | 3824.5  | 1597.2 | 722.7  | 280.9  | 106.3  | 104.8  | 74.4   | 65.3   | 54.7   |
| 77.5° | 2746.5  | 2697.9  | 2578.0  | 686.3  | 335.5  | 127.5  | 74.4   | 63.8   | 51.6   | 47.1   | 39.5   |
| 80°   | 1412.0  | 1161.5  | 1131.1  | 249.0  | 119.9  | 80.5   | 51.6   | 36.4   | 33.4   | 30.4   | 27.3   |
| 82.5° | 417.5   | 419.0   | 373.5   | 100.2  | 66.8   | 53.1   | 25.8   | 19.7   | 18.2   | 16.7   | 16.7   |
| 85°   | 28.8    | 18.2    | 21.3    | 30.4   | 41.0   | 21.3   | 1.5    | 4.6    | 4.6    | 6.1    | 7.6    |
| 87.5° | 3.0     | 1.5     | 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°    | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 |
| 2.5°  | 5464.2 | 5531.0 | 5406.5 | 5409.5 | 5306.3 | 5339.7 | 5218.2 | 5257.7 | 5186.4 | 5241.0 | 5401.9 |
| 5°    | 4111.4 | 4126.6 | 4026.4 | 3994.5 | 4009.7 | 4072.0 | 4096.2 | 3985.4 | 4032.5 | 3939.9 | 3933.8 |
| 7.5°  | 2896.8 | 2915.0 | 2857.4 | 2849.8 | 2959.1 | 2933.3 | 2980.3 | 2866.5 | 2758.7 | 2805.7 | 2719.2 |
| 10°   | 2250.1 | 2174.1 | 2055.7 | 2022.3 | 2001.1 | 2014.7 | 2014.7 | 1911.5 | 1896.3 | 1855.3 | 1917.6 |
| 12.5° | 1776.4 | 1683.7 | 1571.4 | 1419.6 | 1381.6 | 1378.6 | 1322.4 | 1231.3 | 1202.5 | 1167.5 | 1219.2 |
| 15°   | 1290.5 | 1252.6 | 1158.4 | 1073.4 | 986.9  | 970.2  | 879.1  | 804.7  | 706.0  | 692.3  | 687.8  |
| 17.5° | 907.9  | 851.7  | 850.2  | 801.6  | 751.5  | 718.1  | 633.1  | 548.1  | 510.1  | 505.6  | 505.6  |
| 20°   | 680.2  | 660.4  | 628.6  | 622.5  | 607.3  | 569.3  | 493.4  | 447.9  | 429.7  | 431.2  | 437.3  |
| 22.5° | 572.4  | 558.7  | 529.9  | 516.2  | 510.1  | 476.7  | 420.6  | 390.2  | 381.1  | 381.1  | 382.6  |
| 25°   | 511.7  | 499.5  | 467.6  | 446.4  | 438.8  | 414.5  | 370.5  | 347.7  | 340.1  | 340.1  | 340.1  |
| 27.5° | 466.1  | 450.9  | 417.5  | 399.3  | 385.6  | 358.3  | 331.0  | 308.2  | 300.6  | 300.6  | 302.1  |
| 30°   | 434.2  | 417.5  | 387.2  | 362.9  | 341.6  | 317.3  | 294.5  | 274.8  | 265.7  | 264.2  | 265.7  |
| 32.5° | 391.7  | 376.5  | 346.2  | 331.0  | 306.7  | 277.8  | 259.6  | 241.4  | 232.3  | 233.8  | 232.3  |
| 35°   | 305.2  | 300.6  | 279.4  | 283.9  | 270.2  | 246.0  | 229.3  | 209.5  | 198.9  | 197.4  | 200.4  |
| 37.5° | 277.8  | 259.6  | 235.3  | 236.8  | 232.3  | 223.2  | 195.9  | 174.6  | 167.0  | 167.0  | 168.5  |
| 40°   | 256.6  | 238.4  | 211.0  | 197.4  | 198.9  | 198.9  | 170.0  | 147.3  | 139.7  | 138.2  | 141.2  |
| 42.5° | 238.4  | 220.1  | 189.8  | 167.0  | 160.9  | 168.5  | 144.2  | 121.5  | 113.9  | 110.8  | 113.9  |
| 45°   | 226.2  | 206.5  | 171.6  | 145.8  | 127.5  | 136.6  | 118.4  | 100.2  | 91.1   | 91.1   | 89.6   |
| 47.5° | 214.1  | 195.9  | 157.9  | 126.0  | 106.3  | 101.7  | 97.2   | 80.5   | 71.4   | 69.8   | 71.4   |
| 50°   | 203.4  | 185.2  | 142.7  | 109.3  | 89.6   | 78.9   | 78.9   | 63.8   | 57.7   | 54.7   | 56.2   |
| 52.5° | 192.8  | 173.1  | 129.1  | 97.2   | 77.4   | 63.8   | 56.2   | 51.6   | 47.1   | 45.5   | 47.1   |
| 55°   | 177.6  | 157.9  | 115.4  | 83.5   | 66.8   | 53.1   | 44.0   | 42.5   | 39.5   | 36.4   | 39.5   |
| 57.5° | 159.4  | 141.2  | 101.7  | 71.4   | 53.1   | 41.0   | 36.4   | 34.9   | 31.9   | 30.4   | 30.4   |
| 59°   | 148.8  | 132.1  | 94.1   | 62.2   | 47.1   | 36.4   | 33.4   | 31.9   | 28.8   | 25.8   | 27.3   |
| 60°   | 142.7  | 129.1  | 89.6   | 57.7   | 42.5   | 33.4   | 30.4   | 28.8   | 25.8   | 24.3   | 25.8   |
| 62.5° | 126.0  | 115.4  | 78.9   | 47.1   | 33.4   | 24.3   | 21.3   | 22.8   | 21.3   | 19.7   | 21.3   |
| 65°   | 110.8  | 101.7  | 66.8   | 36.4   | 25.8   | 16.7   | 15.2   | 19.7   | 18.2   | 16.7   | 18.2   |
| 67.5° | 98.7   | 88.1   | 56.2   | 27.3   | 18.2   | 9.1    | 10.6   | 16.7   | 16.7   | 15.2   | 16.7   |
| 70°   | 85.0   | 75.9   | 45.5   | 19.7   | 9.1    | 4.6    | 7.6    | 12.1   | 15.2   | 13.7   | 15.2   |
| 72.5° | 69.8   | 59.2   | 34.9   | 13.7   | 4.6    | 0.0    | 4.6    | 10.6   | 15.2   | 13.7   | 15.2   |
| 75°   | 54.7   | 44.0   | 25.8   | 7.6    | 0.0    | 0.0    | 1.5    | 9.1    | 15.2   | 13.7   | 15.2   |
| 77.5° | 39.5   | 31.9   | 15.2   | 1.5    | 0.0    | 0.0    | 1.5    | 9.1    | 15.2   | 13.7   | 15.2   |
| 80°   | 25.8   | 22.8   | 6.1    | 0.0    | 0.0    | 0.0    | 1.5    | 9.1    | 15.2   | 15.2   | 16.7   |
| 82.5° | 16.7   | 12.1   | 0.0    | 0.0    | 0.0    | 0.0    | 3.0    | 12.1   | 16.7   | 18.2   | 18.2   |
| 85°   | 7.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 6.1    | 15.2   | 19.7   | 19.7   | 19.7   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.0    | 10.6   | 18.2   | 22.8   | 22.8   | 22.8   |
| 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°    | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4 | 6601.4  | 6601.4  | 6601.4  |
| 2.5°  | 5429.3 | 5524.9 | 5660.0 | 5868.0 | 6036.6 | 6302.3 | 6505.7 | 6783.6 | 7064.4  | 7149.5  | 7281.5  |
| 5°    | 3996.0 | 4119.0 | 4425.7 | 4705.1 | 4881.2 | 5442.9 | 5798.2 | 6358.4 | 6861.0  | 7102.4  | 7365.0  |
| 7.5°  | 2775.4 | 2921.1 | 3154.9 | 3545.1 | 3915.6 | 4372.6 | 4946.5 | 5587.2 | 6323.5  | 6668.2  | 7038.6  |
| 10°   | 1947.9 | 2130.1 | 2459.6 | 2779.9 | 3246.0 | 3680.2 | 4246.6 | 4954.1 | 5766.3  | 6173.2  | 6637.8  |
| 12.5° | 1229.8 | 1392.2 | 1828.0 | 2187.8 | 2769.3 | 3273.4 | 3795.6 | 4436.3 | 5377.7  | 5795.2  | 6282.5  |
| 15°   | 703.0  | 839.6  | 1043.0 | 1504.6 | 2149.8 | 2816.4 | 3467.7 | 4211.6 | 5178.8  | 5693.4  | 6220.3  |
| 17.5° | 523.8  | 560.2  | 651.3  | 912.5  | 1500.0 | 2278.9 | 3165.6 | 4143.3 | 5313.9  | 5918.1  | 6519.4  |
| 20°   | 440.3  | 464.6  | 507.1  | 610.3  | 956.5  | 1755.1 | 2871.0 | 4155.5 | 5751.1  | 6510.3  | 7081.1  |
| 22.5° | 394.7  | 409.9  | 444.8  | 511.7  | 652.8  | 1278.4 | 2526.4 | 4226.8 | 6281.0  | 7237.5  | 7896.4  |
| 25°   | 346.2  | 365.9  | 396.3  | 454.0  | 543.5  | 886.7  | 2186.3 | 4386.2 | 7023.4  | 8160.6  | 8780.1  |
| 27.5° | 308.2  | 326.4  | 356.8  | 409.9  | 476.7  | 677.1  | 1790.0 | 4522.9 | 7806.9  | 9089.8  | 9596.9  |
| 30°   | 270.2  | 288.5  | 318.8  | 361.3  | 422.1  | 548.1  | 1363.4 | 4603.3 | 8567.5  | 9786.7  | 10176.8 |
| 32.5° | 238.4  | 253.5  | 282.4  | 320.4  | 370.5  | 464.6  | 1074.9 | 4519.8 | 9149.0  | 10419.8 | 10680.9 |
| 35°   | 206.5  | 224.7  | 249.0  | 283.9  | 327.9  | 396.3  | 894.3  | 4231.4 | 9648.5  | 11071.1 | 11165.2 |
| 37.5° | 173.1  | 194.3  | 220.1  | 252.0  | 286.9  | 364.4  | 718.1  | 3912.5 | 10182.9 | 11883.4 | 11728.5 |
| 40°   | 145.8  | 165.5  | 189.8  | 224.7  | 256.6  | 334.0  | 552.6  | 3572.4 | 10759.9 | 12645.5 | 12343.4 |
| 42.5° | 118.4  | 139.7  | 168.5  | 200.4  | 253.5  | 291.5  | 428.1  | 3220.2 | 11277.6 | 13309.0 | 12899.1 |
| 45°   | 94.1   | 112.4  | 142.7  | 183.7  | 252.0  | 250.5  | 331.0  | 2872.5 | 11667.8 | 13782.7 | 13313.6 |
| 47.5° | 74.4   | 89.6   | 119.9  | 179.2  | 232.3  | 212.6  | 265.7  | 2656.9 | 12077.7 | 14209.3 | 13630.9 |
| 50°   | 59.2   | 74.4   | 103.2  | 186.7  | 203.4  | 182.2  | 223.2  | 2691.9 | 12474.0 | 14426.4 | 13761.4 |
| 52.5° | 50.1   | 65.3   | 89.6   | 147.3  | 156.4  | 159.4  | 195.9  | 2852.8 | 12985.6 | 14658.7 | 14021.1 |
| 55°   | 44.0   | 57.7   | 75.9   | 103.2  | 121.5  | 142.7  | 179.2  | 2969.7 | 13670.3 | 15156.7 | 14593.4 |
| 57.5° | 34.9   | 50.1   | 68.3   | 88.1   | 100.2  | 124.5  | 165.5  | 2978.8 | 14289.8 | 15795.9 | 15354.1 |
| 59°   | 31.9   | 45.5   | 63.8   | 83.5   | 89.6   | 112.4  | 156.4  | 2901.4 | 14312.6 | 15891.5 | 15703.3 |
| 60°   | 28.8   | 44.0   | 60.7   | 77.4   | 85.0   | 106.3  | 148.8  | 2811.8 | 14106.1 | 15739.7 | 15847.5 |
| 62.5° | 24.3   | 38.0   | 53.1   | 62.2   | 72.9   | 88.1   | 129.1  | 2486.9 | 13105.6 | 15052.0 | 15580.3 |
| 65°   | 21.3   | 33.4   | 45.5   | 51.6   | 60.7   | 75.9   | 113.9  | 1990.4 | 12000.3 | 14119.7 | 14815.1 |
| 67.5° | 19.7   | 30.4   | 39.5   | 44.0   | 53.1   | 69.8   | 101.7  | 1405.9 | 10568.6 | 12937.0 | 13665.8 |
| 70°   | 18.2   | 28.8   | 34.9   | 41.0   | 47.1   | 59.2   | 86.5   | 819.9  | 8140.9  | 10863.1 | 11632.9 |
| 72.5° | 18.2   | 27.3   | 30.4   | 34.9   | 41.0   | 53.1   | 80.5   | 443.3  | 5565.9  | 8286.6  | 9281.1  |
| 75°   | 18.2   | 25.8   | 27.3   | 30.4   | 36.4   | 48.6   | 71.4   | 232.3  | 3598.3  | 5757.2  | 7105.4  |
| 77.5° | 18.2   | 24.3   | 27.3   | 28.8   | 34.9   | 42.5   | 62.2   | 145.8  | 2397.3  | 4032.5  | 4802.2  |
| 80°   | 19.7   | 24.3   | 25.8   | 28.8   | 33.4   | 39.5   | 51.6   | 97.2   | 1408.9  | 2426.2  | 2922.6  |
| 82.5° | 21.3   | 24.3   | 27.3   | 30.4   | 34.9   | 38.0   | 45.5   | 60.7   | 649.8   | 1604.8  | 1815.8  |
| 85°   | 22.8   | 25.8   | 28.8   | 31.9   | 36.4   | 38.0   | 42.5   | 44.0   | 106.3   | 724.2   | 979.3   |
| 87.5° | 24.3   | 27.3   | 30.4   | 33.4   | 39.5   | 39.5   | 39.5   | 39.5   | 36.4    | 77.4    | 197.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P453539

CATALOG NUMBER: GALN-SA4C-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6601.4  | 6601.4  | 6601.4  | 6601.4  | 6601.4  | 6601.4  | 6601.4  | 6601.4  | 6601.4  | 6601.4  |
| 2.5°  | 7448.5  | 7620.1  | 7740.1  | 7770.4  | 7683.9  | 7644.4  | 7535.1  | 7365.0  | 7261.8  | 7257.2  |
| 5°    | 7849.4  | 8251.7  | 8531.1  | 8578.1  | 8411.1  | 8128.7  | 7793.2  | 7360.5  | 7106.9  | 7031.0  |
| 7.5°  | 7781.0  | 8485.5  | 8934.9  | 9000.2  | 8719.3  | 8180.3  | 7530.5  | 6833.7  | 6557.3  | 6440.4  |
| 10°   | 7500.2  | 8359.5  | 9001.7  | 9105.0  | 8730.0  | 7970.8  | 7144.9  | 6367.6  | 6024.4  | 5934.8  |
| 12.5° | 7260.3  | 8128.7  | 8699.6  | 8842.3  | 8558.4  | 7800.8  | 6914.1  | 6068.5  | 5701.0  | 5617.5  |
| 15°   | 7155.5  | 7855.4  | 8204.6  | 8277.5  | 8230.4  | 7694.5  | 6889.8  | 6022.9  | 5602.4  | 5511.3  |
| 17.5° | 7260.3  | 7623.1  | 7667.2  | 7741.6  | 7846.3  | 7683.9  | 7123.6  | 6270.4  | 5816.4  | 5704.1  |
| 20°   | 7535.1  | 7421.2  | 7239.0  | 7270.9  | 7510.8  | 7727.9  | 7539.6  | 6818.5  | 6265.8  | 6145.9  |
| 22.5° | 8002.7  | 7371.1  | 6958.2  | 6930.8  | 7234.5  | 7875.2  | 8150.0  | 7560.9  | 6920.2  | 6801.8  |
| 25°   | 8576.6  | 7497.1  | 6854.9  | 6795.7  | 7126.7  | 8090.8  | 8813.5  | 8470.3  | 7770.4  | 7589.7  |
| 27.5° | 9202.1  | 7758.3  | 6854.9  | 6797.2  | 7117.6  | 8282.1  | 9381.3  | 9275.0  | 8651.0  | 8453.6  |
| 30°   | 9545.3  | 7973.9  | 6953.6  | 6888.3  | 7229.9  | 8392.9  | 9684.9  | 9990.1  | 9313.0  | 9068.5  |
| 32.5° | 9851.9  | 8273.0  | 7146.4  | 7023.4  | 7465.2  | 8556.9  | 9956.7  | 10597.4 | 9839.8  | 9675.8  |
| 35°   | 10134.3 | 8593.3  | 7412.1  | 7269.4  | 7775.0  | 8781.6  | 10257.3 | 11235.1 | 10573.1 | 10325.6 |
| 37.5° | 10445.6 | 8965.3  | 7826.6  | 7705.1  | 8292.7  | 9218.8  | 10614.1 | 12073.1 | 11294.3 | 10983.0 |
| 40°   | 10784.1 | 9396.5  | 8508.3  | 8456.7  | 9115.6  | 9713.8  | 11065.0 | 12967.4 | 12117.2 | 11763.4 |
| 42.5° | 11128.8 | 9892.9  | 9343.3  | 9428.3  | 10047.8 | 10407.6 | 11528.1 | 13655.2 | 12791.3 | 12401.1 |
| 45°   | 11441.6 | 10527.6 | 10428.9 | 10849.4 | 11134.9 | 11084.8 | 11871.2 | 14139.5 | 13378.8 | 13005.4 |
| 47.5° | 11836.3 | 11452.2 | 11742.2 | 12390.5 | 12398.1 | 11821.1 | 12130.8 | 14535.7 | 13884.4 | 13510.9 |
| 50°   | 12278.1 | 12543.8 | 13438.1 | 14098.5 | 13920.9 | 12545.3 | 12434.5 | 15004.9 | 14406.7 | 14107.6 |
| 52.5° | 12789.8 | 13766.0 | 15004.9 | 15738.2 | 15323.7 | 13334.8 | 12940.1 | 15512.0 | 15235.7 | 14948.7 |
| 55°   | 13384.9 | 14599.5 | 16567.2 | 17151.7 | 16734.2 | 14315.6 | 13708.3 | 16199.8 | 16172.4 | 15976.6 |
| 57.5° | 14057.5 | 15480.1 | 17472.1 | 18263.1 | 17891.1 | 15466.4 | 14781.7 | 16848.0 | 16744.8 | 16635.5 |
| 59°   | 14588.9 | 15932.5 | 17871.4 | 18691.2 | 18466.5 | 16272.6 | 15502.9 | 17251.9 | 16876.9 | 16712.9 |
| 60°   | 14910.8 | 16239.2 | 18018.6 | 18748.9 | 18697.3 | 16752.4 | 15959.9 | 17449.3 | 16875.4 | 16647.6 |
| 62.5° | 15865.7 | 16775.2 | 17962.4 | 18492.3 | 18694.2 | 17672.5 | 17300.5 | 17666.4 | 16562.6 | 16228.6 |
| 65°   | 16205.8 | 16597.5 | 17031.8 | 16966.5 | 17139.6 | 17625.4 | 18156.8 | 17428.0 | 15894.6 | 15419.4 |
| 67.5° | 15543.9 | 14649.6 | 14803.0 | 14367.2 | 14282.2 | 15669.9 | 17809.1 | 16262.0 | 14587.4 | 14005.9 |
| 70°   | 13102.5 | 11222.9 | 11145.5 | 11345.9 | 10796.3 | 12686.5 | 15991.8 | 14016.5 | 12429.9 | 11771.0 |
| 72.5° | 10313.5 | 7931.4  | 7278.5  | 8016.4  | 7999.7  | 9678.9  | 13284.7 | 9946.1  | 8397.5  | 8341.3  |
| 75°   | 8110.5  | 5521.9  | 4846.3  | 4966.2  | 5197.0  | 7006.7  | 10580.7 | 6315.9  | 5171.2  | 4712.7  |
| 77.5° | 5444.5  | 3912.5  | 3649.9  | 3502.6  | 3751.6  | 4498.6  | 6694.0  | 3425.2  | 2899.9  | 2746.5  |
| 80°   | 3138.2  | 2842.2  | 3227.8  | 2930.2  | 3063.8  | 2834.6  | 3329.5  | 1571.4  | 1304.2  | 1412.0  |
| 82.5° | 2042.0  | 1618.5  | 1724.7  | 1281.4  | 1752.1  | 1767.2  | 1068.8  | 464.6   | 393.2   | 417.5   |
| 85°   | 1276.9  | 759.1   | 426.6   | 303.7   | 604.3   | 1111.4  | 334.0   | 28.8    | 33.4    | 28.8    |
| 87.5° | 331.0   | 126.0   | 53.1    | 78.9    | 97.2    | 86.5    | 77.4    | 4.6     | 1.5     | 3.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)