

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: P533305

Luminaire Tested: **GALN-SA8D-727-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533305  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8D-727-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28881 lumens  
Efficiency: N/A  
Efficacy: 58.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2

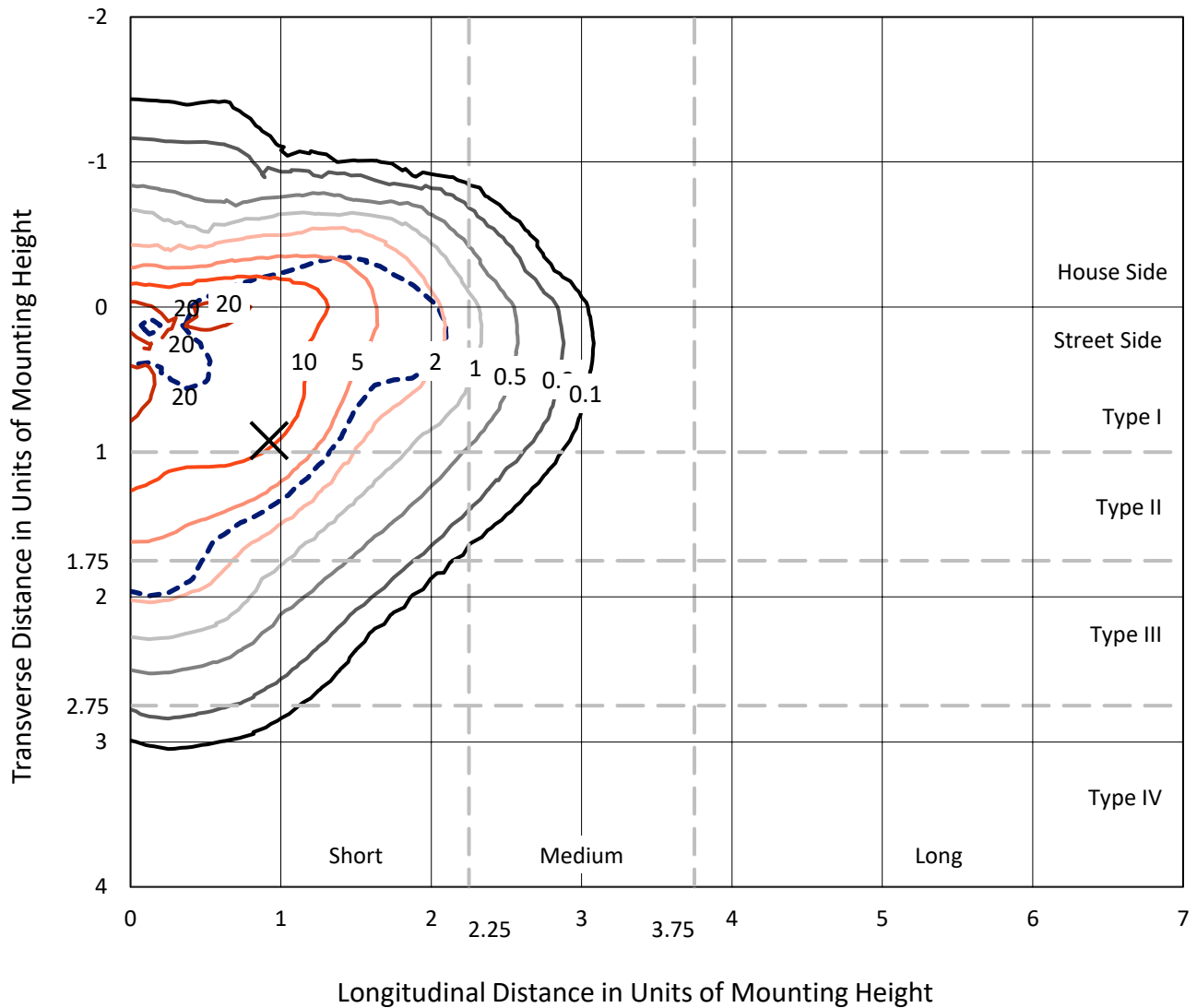
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

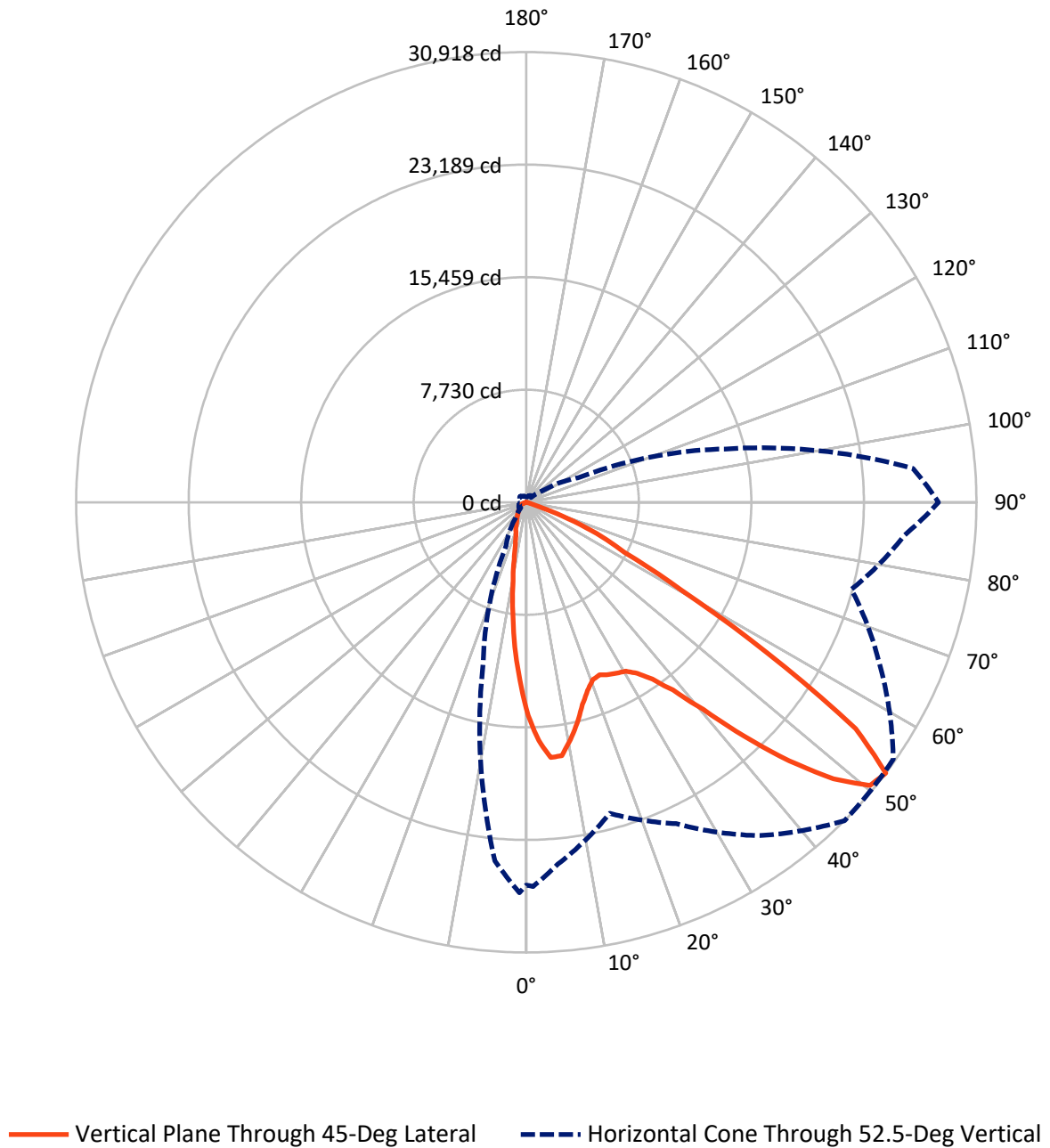
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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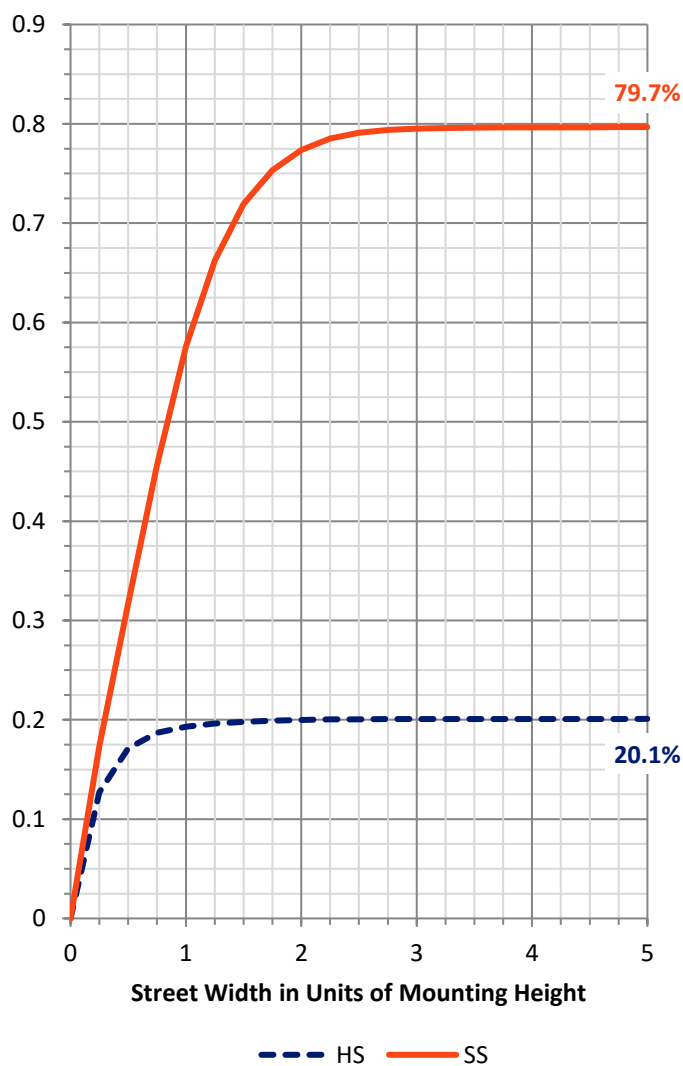
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5861.4   | 0.0    | 5861.4  |
|                    | % Fixture | 20.3     | 0.0    | 20.3    |
| <b>Street Side</b> | Lumens    | 23019.6  | 0.0    | 23019.6 |
|                    | % Fixture | 79.7     | 0.0    | 79.7    |
| <b>Total</b>       | Lumens    | 28881.0  | 0.0    | 28881.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1068.0  | 3.7       |
| 10°-20°   | 2107.1  | 7.3       |
| 20°-30°   | 3206.6  | 11.1      |
| 30°-40°   | 4792.6  | 16.6      |
| 40°-50°   | 6825.1  | 23.6      |
| 50°-60°   | 7336.8  | 25.4      |
| 60°-70°   | 3251.1  | 11.3      |
| 70°-80°   | 263.0   | 0.9       |
| 80°-90°   | 30.7    | 0.1       |
| 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°    | 28881.0 | 100.0     |
| 0°-180°   | 28881.0 | 100.0     |

**Coefficient of Utilization**

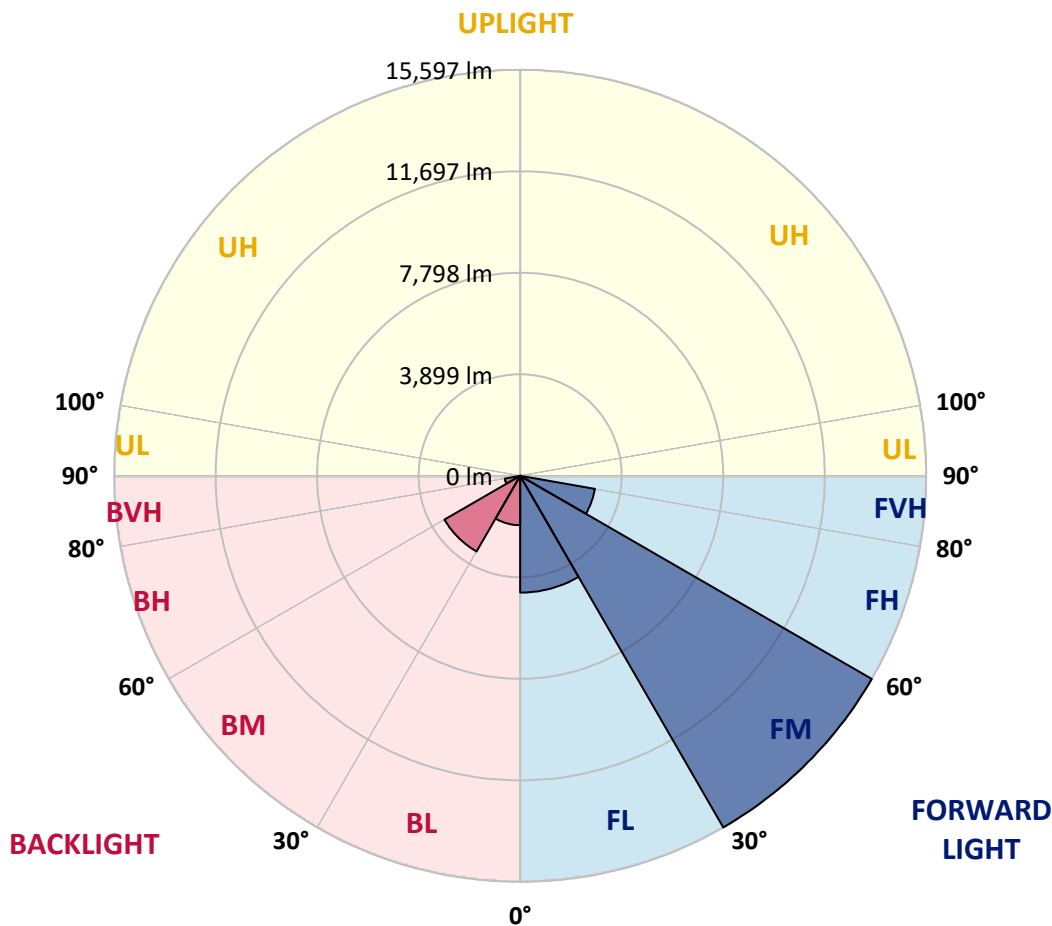


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 4485.8  | 15.5      |                         |      |         |
| FM (30°-60°)   | 15596.6 | 54.0      |                         |      |         |
| FH (60°-80°)   | 2914.4  | 10.1      |                         |      | G2/5000 |
| FVH (80°-90°)  | 22.7    | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 1895.8  | 6.6       | B3/2500                 |      |         |
| BM (30°-60°)   | 3357.9  | 11.6      | B3/5000                 |      |         |
| BH (60°-80°)   | 599.7   | 2.1       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 7.9     | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 |
| 2.5°  | 15496.1 | 15541.5 | 15791.4 | 16103.9 | 16268.6 | 16643.5 | 16382.2 | 16450.4 | 16308.4 | 15808.5 | 15416.5 |
| 5°    | 15024.6 | 15018.9 | 15337.0 | 16109.5 | 16842.3 | 17586.4 | 17609.2 | 17211.5 | 16512.9 | 15746.0 | 14649.7 |
| 7.5°  | 13604.5 | 13826.0 | 14155.5 | 15388.1 | 16745.7 | 17302.4 | 17569.4 | 17103.6 | 16030.0 | 14933.7 | 13746.5 |
| 10°   | 12530.9 | 12644.5 | 13201.2 | 14689.5 | 15683.5 | 16427.6 | 16592.4 | 16325.4 | 15501.7 | 14132.8 | 12803.6 |
| 12.5° | 11911.7 | 11968.6 | 12621.8 | 13871.5 | 14922.3 | 15473.3 | 15552.9 | 15677.8 | 15087.1 | 13803.3 | 12207.1 |
| 15°   | 11917.4 | 11962.9 | 12843.3 | 13888.5 | 14303.2 | 14155.5 | 14416.8 | 14411.1 | 14666.7 | 13740.8 | 12707.0 |
| 17.5° | 12775.2 | 12826.3 | 13621.5 | 14138.5 | 13956.7 | 13610.2 | 13593.1 | 13854.4 | 14394.1 | 14519.0 | 13462.5 |
| 20°   | 14252.1 | 14371.4 | 14956.4 | 14928.0 | 13905.6 | 13206.9 | 13013.7 | 13212.6 | 14467.9 | 15178.0 | 14984.8 |
| 22.5° | 16240.2 | 16404.9 | 16813.9 | 16030.0 | 14138.5 | 12934.2 | 12871.7 | 13258.0 | 14956.4 | 16649.2 | 16711.7 |
| 25°   | 18546.4 | 18824.8 | 19023.6 | 18018.2 | 14967.8 | 13405.7 | 13110.3 | 13774.9 | 15615.4 | 18245.4 | 18910.0 |
| 27.5° | 20074.4 | 20364.1 | 20318.7 | 18881.6 | 15524.5 | 13530.7 | 13280.7 | 13899.9 | 16189.1 | 18626.0 | 20057.4 |
| 30°   | 21267.3 | 21443.4 | 21761.5 | 19347.4 | 16081.1 | 13882.8 | 13456.8 | 14428.2 | 16376.5 | 19284.9 | 21443.4 |
| 32.5° | 22659.0 | 22778.3 | 22801.0 | 20171.0 | 16938.9 | 14325.9 | 14002.1 | 15087.1 | 17205.9 | 19915.4 | 22670.4 |
| 35°   | 24062.1 | 24238.2 | 23868.9 | 21187.8 | 17467.2 | 15149.6 | 14911.0 | 16228.8 | 17870.5 | 20568.6 | 24022.3 |
| 37.5° | 25584.4 | 25675.3 | 24823.2 | 21608.2 | 18222.6 | 16490.1 | 16359.5 | 17461.5 | 19023.6 | 21750.2 | 25521.9 |
| 40°   | 26862.5 | 26947.7 | 25840.0 | 22125.1 | 19017.9 | 18364.7 | 18699.8 | 19813.2 | 20591.4 | 22517.0 | 26271.7 |
| 42.5° | 27572.5 | 27771.4 | 26180.9 | 21841.0 | 20614.1 | 20489.1 | 21977.4 | 22369.3 | 22409.1 | 22732.9 | 26942.0 |
| 45°   | 27765.7 | 27674.8 | 25618.5 | 22073.9 | 22011.5 | 23982.5 | 25334.5 | 25851.4 | 24215.4 | 23130.5 | 27112.4 |
| 47.5° | 26873.9 | 26993.1 | 24789.2 | 21869.4 | 23846.2 | 26629.6 | 28379.2 | 29339.1 | 25561.7 | 22784.0 | 26692.1 |
| 50°   | 26152.5 | 25999.1 | 24522.2 | 21721.8 | 24340.4 | 27879.3 | 30577.5 | 30793.3 | 26800.0 | 23210.0 | 26232.0 |
| 52.5° | 26294.5 | 26391.0 | 24948.2 | 22113.7 | 24351.8 | 27953.1 | 30918.3 | 30770.6 | 26839.8 | 23113.5 | 26067.2 |
| 55°   | 26595.5 | 26169.5 | 24766.4 | 21250.3 | 22721.5 | 25891.2 | 27441.9 | 27214.7 | 24772.1 | 22085.3 | 25663.9 |
| 57.5° | 22948.7 | 23607.6 | 22772.6 | 18972.5 | 18648.7 | 19506.4 | 19478.0 | 20176.7 | 18478.3 | 19006.5 | 23363.4 |
| 60°   | 18626.0 | 18739.6 | 19052.0 | 16228.8 | 12905.8 | 12610.4 | 12201.4 | 11758.4 | 12434.3 | 16251.6 | 21250.3 |
| 62.5° | 16382.2 | 16245.9 | 17359.2 | 14763.3 | 9111.3  | 7628.7  | 7560.6  | 7833.2  | 9594.2  | 15501.7 | 19932.4 |
| 65°   | 11906.1 | 12076.5 | 12883.1 | 11457.3 | 6839.2  | 5822.4  | 5720.1  | 6526.8  | 7765.1  | 12423.0 | 15212.0 |
| 67.5° | 7270.9  | 7600.3  | 7674.2  | 7066.4  | 4640.9  | 3686.6  | 3538.9  | 4271.6  | 5606.5  | 8037.7  | 8918.2  |
| 70°   | 3357.1  | 3754.7  | 4129.6  | 3857.0  | 2686.8  | 1516.7  | 1431.5  | 1795.0  | 2828.8  | 4623.8  | 4731.8  |
| 72.5° | 1016.8  | 1022.5  | 1431.5  | 1493.9  | 869.1   | 340.8   | 301.1   | 397.6   | 960.0   | 1528.0  | 1607.5  |
| 75°   | 73.8    | 79.5    | 193.1   | 221.5   | 164.7   | 85.2    | 90.9    | 107.9   | 204.5   | 340.8   | 255.6   |
| 77.5° | 5.7     | 5.7     | 5.7     | 28.4    | 51.1    | 56.8    | 73.8    | 85.2    | 107.9   | 125.0   | 113.6   |
| 80°   | 5.7     | 0.0     | 5.7     | 22.7    | 39.8    | 56.8    | 68.2    | 79.5    | 85.2    | 96.6    | 85.2    |
| 82.5° | 0.0     | 0.0     | 0.0     | 17.0    | 39.8    | 56.8    | 62.5    | 85.2    | 96.6    | 113.6   | 96.6    |
| 85°   | 0.0     | 0.0     | 0.0     | 17.0    | 39.8    | 62.5    | 56.8    | 28.4    | 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°    | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 |
| 2.5°  | 15484.7 | 15263.2 | 14757.6 | 14502.0 | 13899.9 | 13814.7 | 13223.9 | 13127.3 | 12928.5 | 12820.6 | 12559.3 |
| 5°    | 14166.9 | 13899.9 | 13076.2 | 12383.2 | 11576.6 | 11014.2 | 10582.5 | 10190.6 | 9963.4  | 9753.2  | 9849.8  |
| 7.5°  | 13093.3 | 12315.1 | 11400.5 | 10241.7 | 9310.1  | 8708.0  | 8049.1  | 7509.5  | 7191.4  | 6975.5  | 7026.6  |
| 10°   | 11968.6 | 11463.0 | 10190.6 | 8889.8  | 7765.1  | 7339.0  | 6822.1  | 6407.5  | 5958.7  | 5572.4  | 5390.7  |
| 12.5° | 11616.4 | 10866.6 | 9270.4  | 7946.8  | 7094.8  | 6680.1  | 6089.4  | 5612.2  | 5038.5  | 4567.0  | 4402.3  |
| 15°   | 11678.9 | 10957.4 | 9020.4  | 7606.0  | 6600.6  | 5884.9  | 5180.5  | 4589.7  | 3959.2  | 3629.8  | 3459.3  |
| 17.5° | 12695.6 | 11446.0 | 9185.2  | 7248.2  | 5913.3  | 4919.2  | 4050.1  | 3300.3  | 2828.8  | 2488.0  | 2414.2  |
| 20°   | 13945.3 | 12502.5 | 9537.4  | 6986.9  | 5350.9  | 3913.8  | 2959.5  | 2311.9  | 1920.0  | 1863.2  | 1846.1  |
| 22.5° | 15774.4 | 14229.3 | 10292.8 | 6810.8  | 4663.6  | 3050.4  | 2027.9  | 1681.4  | 1573.5  | 1562.1  | 1567.8  |
| 25°   | 18330.6 | 16393.6 | 11116.5 | 6663.1  | 4146.7  | 2351.7  | 1658.7  | 1425.8  | 1391.7  | 1374.7  | 1403.1  |
| 27.5° | 19438.2 | 17700.1 | 11553.9 | 6345.0  | 3675.2  | 2118.8  | 1635.9  | 1414.4  | 1317.8  | 1289.4  | 1306.5  |
| 30°   | 20807.2 | 18569.1 | 12241.2 | 5799.7  | 2982.2  | 1743.9  | 1528.0  | 1539.4  | 1493.9  | 1351.9  | 1306.5  |
| 32.5° | 22624.9 | 19654.1 | 12587.7 | 5413.4  | 2664.1  | 1442.8  | 1119.0  | 1028.1  | 1147.4  | 1170.2  | 1209.9  |
| 35°   | 23789.4 | 20756.1 | 12763.8 | 5186.2  | 2499.4  | 1232.6  | 948.6   | 863.4   | 835.0   | 840.7   | 863.4   |
| 37.5° | 25953.6 | 22244.4 | 12985.3 | 4947.6  | 2374.4  | 1073.6  | 857.7   | 778.2   | 738.4   | 738.4   | 761.2   |
| 40°   | 27248.8 | 23425.9 | 13286.4 | 4817.0  | 2249.4  | 977.0   | 778.2   | 710.0   | 676.0   | 676.0   | 687.3   |
| 42.5° | 27572.5 | 24010.9 | 13184.2 | 4771.5  | 2107.4  | 954.3   | 710.0   | 658.9   | 619.2   | 613.5   | 607.8   |
| 45°   | 28151.9 | 24902.8 | 13201.2 | 4720.4  | 1959.7  | 869.1   | 670.3   | 613.5   | 556.7   | 551.0   | 545.3   |
| 47.5° | 28788.1 | 25544.7 | 13235.3 | 4521.6  | 1817.7  | 727.1   | 698.7   | 568.0   | 499.9   | 488.5   | 488.5   |
| 50°   | 28242.8 | 26055.9 | 13530.7 | 4322.8  | 1635.9  | 590.8   | 687.3   | 534.0   | 443.1   | 426.0   | 431.7   |
| 52.5° | 28311.0 | 26658.0 | 14155.5 | 4044.4  | 1408.7  | 471.5   | 556.7   | 505.6   | 403.3   | 374.9   | 380.6   |
| 55°   | 27220.4 | 26021.8 | 14240.7 | 3749.0  | 1102.0  | 363.5   | 426.0   | 443.1   | 340.8   | 329.5   | 329.5   |
| 57.5° | 23431.6 | 22034.2 | 12565.0 | 3039.0  | 727.1   | 301.1   | 306.7   | 386.3   | 295.4   | 284.0   | 289.7   |
| 60°   | 20051.7 | 17688.7 | 10111.1 | 2005.2  | 454.4   | 238.6   | 221.5   | 391.9   | 261.3   | 255.6   | 272.7   |
| 62.5° | 18279.5 | 14536.1 | 7668.5  | 1244.0  | 312.4   | 181.8   | 153.4   | 318.1   | 227.2   | 227.2   | 249.9   |
| 65°   | 13206.9 | 9764.6  | 4459.1  | 653.2   | 221.5   | 142.0   | 113.6   | 181.8   | 187.5   | 193.1   | 204.5   |
| 67.5° | 8179.7  | 4930.6  | 1880.2  | 318.1   | 147.7   | 96.6    | 73.8    | 113.6   | 125.0   | 125.0   | 136.3   |
| 70°   | 4038.7  | 1965.4  | 624.8   | 181.8   | 113.6   | 79.5    | 51.1    | 62.5    | 62.5    | 56.8    | 62.5    |
| 72.5° | 1249.7  | 590.8   | 159.1   | 113.6   | 79.5    | 51.1    | 28.4    | 22.7    | 11.4    | 0.0     | 5.7     |
| 75°   | 142.0   | 113.6   | 102.2   | 79.5    | 51.1    | 22.7    | 5.7     | 0.0     | 0.0     | 0.0     | 0.0     |
| 77.5° | 85.2    | 96.6    | 96.6    | 79.5    | 51.1    | 17.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 68.2    | 73.8    | 79.5    | 73.8    | 45.4    | 22.7    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 85.2    | 96.6    | 107.9   | 96.6    | 62.5    | 28.4    | 11.4    | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 17.0    | 5.7     | 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°    | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 |
| 2.5°  | 12451.4 | 12326.4 | 12502.5 | 12241.2 | 12235.5 | 12241.2 | 12167.4 | 12099.2 | 12207.1 | 12496.8 | 12525.2 |
| 5°    | 9503.3  | 9770.2  | 9855.5  | 10133.8 | 9980.4  | 9753.2  | 9798.6  | 9645.3  | 10020.2 | 10184.9 | 10054.3 |
| 7.5°  | 6918.7  | 6901.7  | 7475.4  | 7509.5  | 7583.3  | 7589.0  | 7577.6  | 7276.6  | 6969.8  | 7038.0  | 7242.5  |
| 10°   | 5368.0  | 5078.3  | 5356.6  | 5328.2  | 5510.0  | 5458.8  | 5532.7  | 5208.9  | 5316.8  | 5316.8  | 5447.5  |
| 12.5° | 4373.9  | 4067.1  | 4016.0  | 3942.2  | 4016.0  | 4044.4  | 4072.8  | 4010.3  | 4192.1  | 4277.3  | 4368.2  |
| 15°   | 3340.1  | 3169.6  | 3124.2  | 2982.2  | 3004.9  | 3084.4  | 3152.6  | 3181.0  | 3124.2  | 3254.9  | 3266.2  |
| 17.5° | 2425.5  | 2419.8  | 2448.2  | 2442.6  | 2419.8  | 2402.8  | 2397.1  | 2323.3  | 2300.6  | 2311.9  | 2357.4  |
| 20°   | 1840.4  | 1885.9  | 1982.5  | 2079.0  | 2130.1  | 2067.7  | 1982.5  | 1857.5  | 1806.4  | 1817.7  | 1823.4  |
| 22.5° | 1573.5  | 1641.6  | 1772.3  | 1880.2  | 1931.3  | 1817.7  | 1664.4  | 1556.4  | 1533.7  | 1528.0  | 1522.3  |
| 25°   | 1425.8  | 1505.3  | 1601.9  | 1635.9  | 1630.3  | 1562.1  | 1448.5  | 1403.1  | 1391.7  | 1380.3  | 1329.2  |
| 27.5° | 1346.2  | 1374.7  | 1391.7  | 1431.5  | 1448.5  | 1403.1  | 1374.7  | 1306.5  | 1295.1  | 1295.1  | 1261.0  |
| 30°   | 1300.8  | 1283.8  | 1306.5  | 1278.1  | 1300.8  | 1266.7  | 1272.4  | 1272.4  | 1244.0  | 1255.4  | 1255.4  |
| 32.5° | 1209.9  | 1215.6  | 1215.6  | 1158.8  | 1175.8  | 1136.1  | 1175.8  | 1209.9  | 1215.6  | 1221.3  | 1266.7  |
| 35°   | 886.1   | 988.4   | 1039.5  | 1039.5  | 1056.5  | 1028.1  | 1022.5  | 982.7   | 931.6   | 880.5   | 857.7   |
| 37.5° | 778.2   | 818.0   | 886.1   | 925.9   | 954.3   | 931.6   | 880.5   | 818.0   | 789.6   | 766.9   | 744.1   |
| 40°   | 693.0   | 727.1   | 772.5   | 818.0   | 874.8   | 846.4   | 766.9   | 738.4   | 704.4   | 704.4   | 681.6   |
| 42.5° | 624.8   | 641.9   | 670.3   | 738.4   | 800.9   | 744.1   | 687.3   | 664.6   | 647.6   | 641.9   | 636.2   |
| 45°   | 562.4   | 568.0   | 596.4   | 653.2   | 727.1   | 670.3   | 613.5   | 585.1   | 590.8   | 596.4   | 590.8   |
| 47.5° | 505.6   | 516.9   | 534.0   | 602.1   | 647.6   | 619.2   | 556.7   | 539.6   | 539.6   | 539.6   | 545.3   |
| 50°   | 437.4   | 465.8   | 499.9   | 556.7   | 590.8   | 573.7   | 522.6   | 499.9   | 488.5   | 488.5   | 494.2   |
| 52.5° | 391.9   | 414.7   | 460.1   | 528.3   | 573.7   | 545.3   | 494.2   | 460.1   | 437.4   | 431.7   | 443.1   |
| 55°   | 340.8   | 380.6   | 454.4   | 505.6   | 568.0   | 539.6   | 482.8   | 443.1   | 403.3   | 397.6   | 397.6   |
| 57.5° | 306.7   | 369.2   | 437.4   | 499.9   | 551.0   | 528.3   | 482.8   | 431.7   | 380.6   | 374.9   | 374.9   |
| 60°   | 289.7   | 357.9   | 426.0   | 482.8   | 551.0   | 516.9   | 477.2   | 420.3   | 363.5   | 363.5   | 357.9   |
| 62.5° | 272.7   | 335.1   | 403.3   | 460.1   | 528.3   | 499.9   | 460.1   | 403.3   | 346.5   | 346.5   | 335.1   |
| 65°   | 227.2   | 289.7   | 335.1   | 386.3   | 460.1   | 431.7   | 391.9   | 352.2   | 306.7   | 295.4   | 301.1   |
| 67.5° | 159.1   | 198.8   | 244.3   | 295.4   | 340.8   | 329.5   | 312.4   | 284.0   | 244.3   | 238.6   | 232.9   |
| 70°   | 79.5    | 107.9   | 147.7   | 198.8   | 238.6   | 227.2   | 215.9   | 193.1   | 170.4   | 164.7   | 164.7   |
| 72.5° | 11.4    | 34.1    | 62.5    | 90.9    | 125.0   | 130.6   | 125.0   | 119.3   | 113.6   | 107.9   | 113.6   |
| 75°   | 0.0     | 0.0     | 0.0     | 22.7    | 51.1    | 62.5    | 73.8    | 85.2    | 85.2    | 73.8    | 90.9    |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 5.7     | 28.4    | 56.8    | 73.8    | 90.9    | 79.5    | 107.9   |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 5.7     | 34.1    | 56.8    | 79.5    | 90.9    | 79.5    | 113.6   |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 5.7     | 39.8    | 56.8    | 73.8    | 85.2    | 79.5    | 102.2   |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 17.0    | 34.1    | 22.7    | 11.4    | 5.7     | 5.7     | 17.0    |
| 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     |



REPORT NUMBER: P533305

CATALOG NUMBER: GALN-SA8D-727-U-SLL-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 | 14644.0 |
| 2.5°  | 12684.3 | 13087.6 | 13519.3 | 13684.0 | 14195.3 | 14581.5 | 14842.8 | 15405.2 | 15490.4 | 15496.1 |
| 5°    | 10190.6 | 10395.1 | 11133.5 | 11480.0 | 12241.2 | 12832.0 | 13462.5 | 14371.4 | 14979.2 | 15024.6 |
| 7.5°  | 7242.5  | 7810.5  | 8122.9  | 9026.1  | 9963.4  | 10889.3 | 11826.5 | 12883.1 | 13587.5 | 13604.5 |
| 10°   | 5828.1  | 6197.3  | 6754.0  | 7429.9  | 8219.5  | 9162.4  | 10412.1 | 11639.1 | 12354.8 | 12530.9 |
| 12.5° | 4692.0  | 5339.6  | 5975.8  | 6674.4  | 7276.6  | 7986.6  | 9332.9  | 10968.8 | 11559.6 | 11911.7 |
| 15°   | 3612.7  | 4203.5  | 4953.3  | 5771.3  | 6452.9  | 7401.5  | 8935.2  | 10804.1 | 11798.1 | 11917.4 |
| 17.5° | 2664.1  | 3192.4  | 3885.4  | 4657.9  | 5680.4  | 7026.6  | 9003.4  | 11639.1 | 12576.4 | 12775.2 |
| 20°   | 1914.3  | 2221.0  | 2766.3  | 3663.8  | 4964.6  | 6589.2  | 9071.6  | 12485.5 | 13911.2 | 14252.1 |
| 22.5° | 1516.7  | 1641.6  | 1999.5  | 2794.7  | 4163.7  | 6129.1  | 9554.4  | 14104.4 | 15746.0 | 16240.2 |
| 25°   | 1317.8  | 1386.0  | 1556.4  | 2204.0  | 3658.2  | 6083.7  | 10326.9 | 16047.1 | 18188.6 | 18546.4 |
| 27.5° | 1272.4  | 1283.8  | 1431.5  | 2022.2  | 3385.5  | 5782.6  | 10622.3 | 17427.4 | 19710.9 | 20074.4 |
| 30°   | 1340.6  | 1522.3  | 1533.7  | 1709.8  | 2880.0  | 5186.2  | 10775.7 | 18762.3 | 21000.4 | 21267.3 |
| 32.5° | 1158.8  | 1102.0  | 1141.8  | 1323.5  | 2533.4  | 4839.7  | 11065.4 | 19926.8 | 22471.6 | 22659.0 |
| 35°   | 806.6   | 846.4   | 937.3   | 1147.4  | 2215.3  | 4476.1  | 11139.2 | 21210.5 | 23868.9 | 24062.1 |
| 37.5° | 744.1   | 766.9   | 840.7   | 977.0   | 1948.4  | 4271.6  | 11037.0 | 22147.8 | 25317.4 | 25584.4 |
| 40°   | 693.0   | 721.4   | 761.2   | 886.1   | 1749.6  | 4044.4  | 10895.0 | 22994.2 | 26203.6 | 26862.5 |
| 42.5° | 653.2   | 676.0   | 710.0   | 846.4   | 1579.1  | 3817.2  | 10696.1 | 24187.0 | 26998.8 | 27572.5 |
| 45°   | 607.8   | 641.9   | 681.6   | 823.7   | 1482.6  | 3663.8  | 10548.5 | 24113.2 | 27458.9 | 27765.7 |
| 47.5° | 562.4   | 619.2   | 664.6   | 766.9   | 1454.2  | 3590.0  | 10610.9 | 23834.9 | 27084.0 | 26873.9 |
| 50°   | 516.9   | 590.8   | 670.3   | 636.2   | 1386.0  | 3442.3  | 10684.8 | 24215.4 | 26192.2 | 26152.5 |
| 52.5° | 477.2   | 562.4   | 624.8   | 522.6   | 1232.6  | 3300.3  | 11400.5 | 24715.3 | 26822.7 | 26294.5 |
| 55°   | 420.3   | 505.6   | 499.9   | 420.3   | 999.7   | 3192.4  | 11962.9 | 24726.7 | 26396.7 | 26595.5 |
| 57.5° | 380.6   | 448.7   | 391.9   | 352.2   | 738.4   | 2669.8  | 11048.3 | 20733.4 | 22596.5 | 22948.7 |
| 60°   | 352.2   | 437.4   | 295.4   | 278.3   | 482.8   | 1925.6  | 9645.3  | 16058.4 | 17961.3 | 18626.0 |
| 62.5° | 323.8   | 414.7   | 232.9   | 227.2   | 335.1   | 1369.0  | 7929.8  | 13439.8 | 15479.0 | 16382.2 |
| 65°   | 284.0   | 295.4   | 187.5   | 176.1   | 238.6   | 738.4   | 4828.3  | 9253.3  | 11570.9 | 11906.1 |
| 67.5° | 232.9   | 227.2   | 153.4   | 142.0   | 159.1   | 357.9   | 2130.1  | 4635.2  | 6708.5  | 7270.9  |
| 70°   | 187.5   | 187.5   | 130.6   | 113.6   | 113.6   | 164.7   | 556.7   | 1846.1  | 3033.3  | 3357.1  |
| 72.5° | 136.3   | 142.0   | 102.2   | 90.9    | 85.2    | 79.5    | 90.9    | 369.2   | 795.3   | 1016.8  |
| 75°   | 119.3   | 125.0   | 102.2   | 79.5    | 62.5    | 51.1    | 39.8    | 34.1    | 45.4    | 73.8    |
| 77.5° | 130.6   | 130.6   | 107.9   | 73.8    | 56.8    | 39.8    | 22.7    | 11.4    | 11.4    | 5.7     |
| 80°   | 164.7   | 170.4   | 142.0   | 96.6    | 68.2    | 45.4    | 28.4    | 11.4    | 5.7     | 5.7     |
| 82.5° | 176.1   | 193.1   | 159.1   | 119.3   | 85.2    | 51.1    | 28.4    | 5.7     | 0.0     | 0.0     |
| 85°   | 45.4    | 73.8    | 125.0   | 107.9   | 85.2    | 51.1    | 28.4    | 5.7     | 0.0     | 0.0     |
| 87.5° | 0.0     | 5.7     | 17.0    | 17.0    | 22.7    | 22.7    | 17.0    | 5.7     | 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)