

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: P534216

Luminaire Tested: **GALN-SA9D-722-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534216  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9D-722-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38396 lumens  
Efficiency: N/A  
Efficacy: 69.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

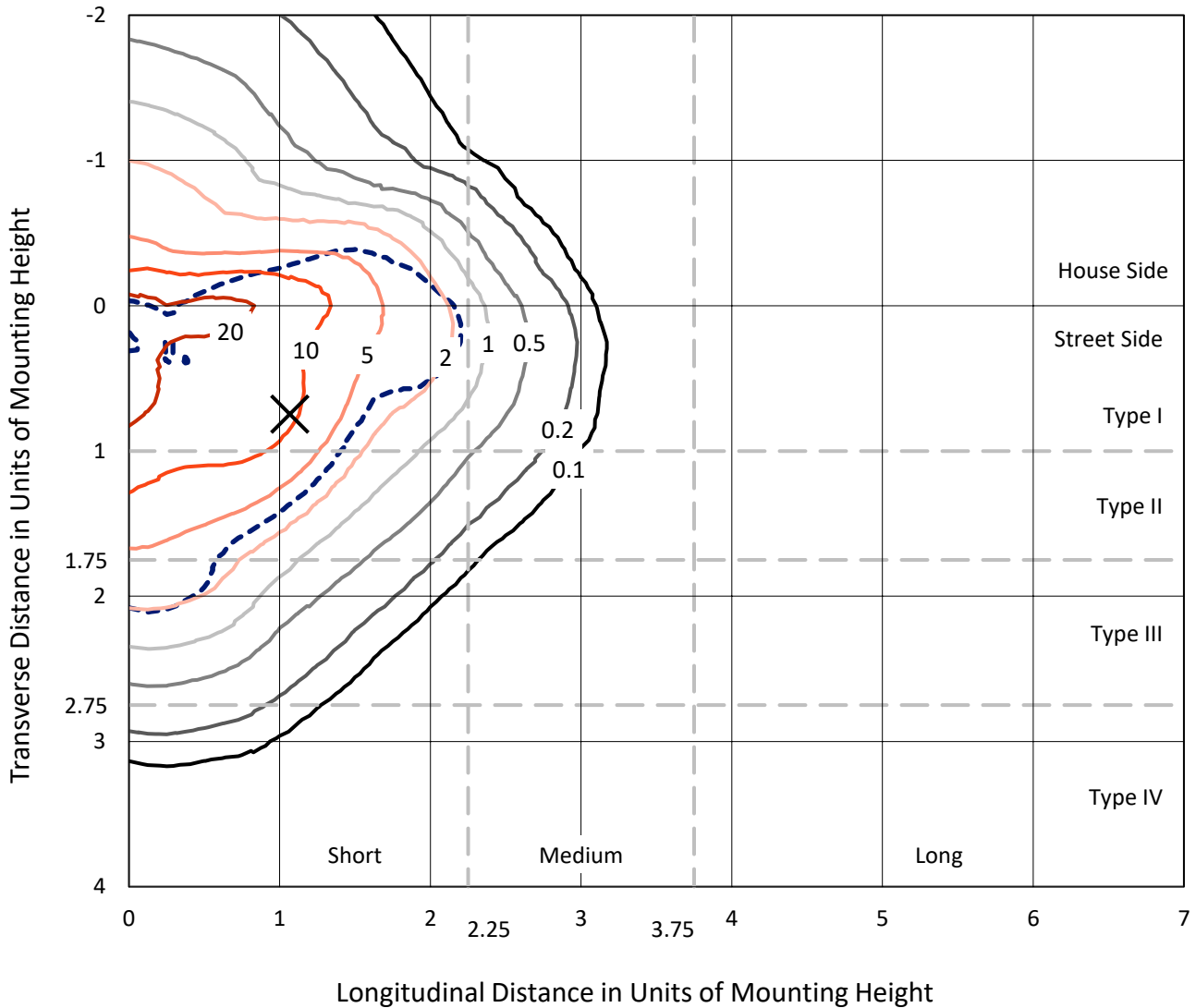
Input Watts (W): 552  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

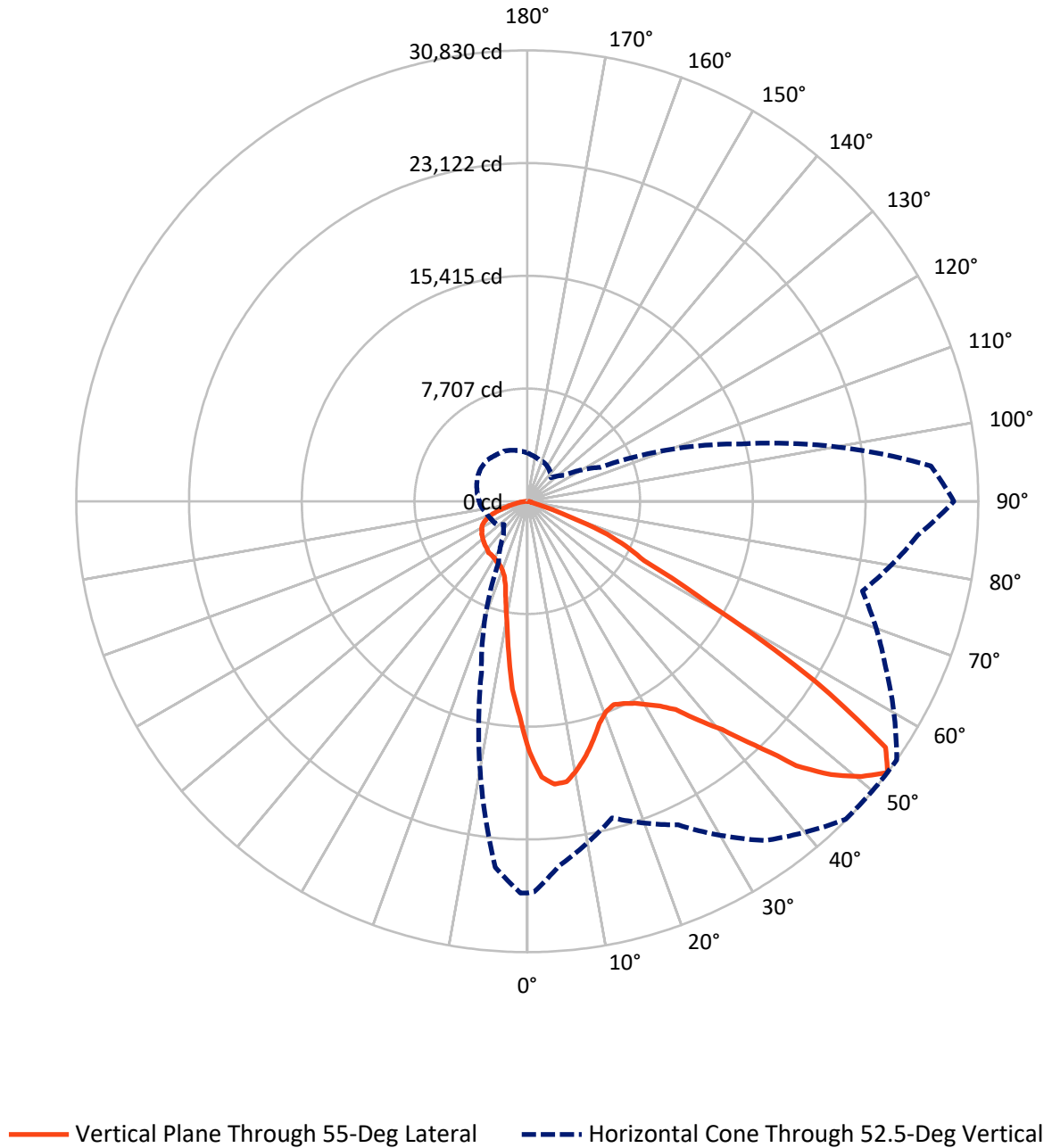
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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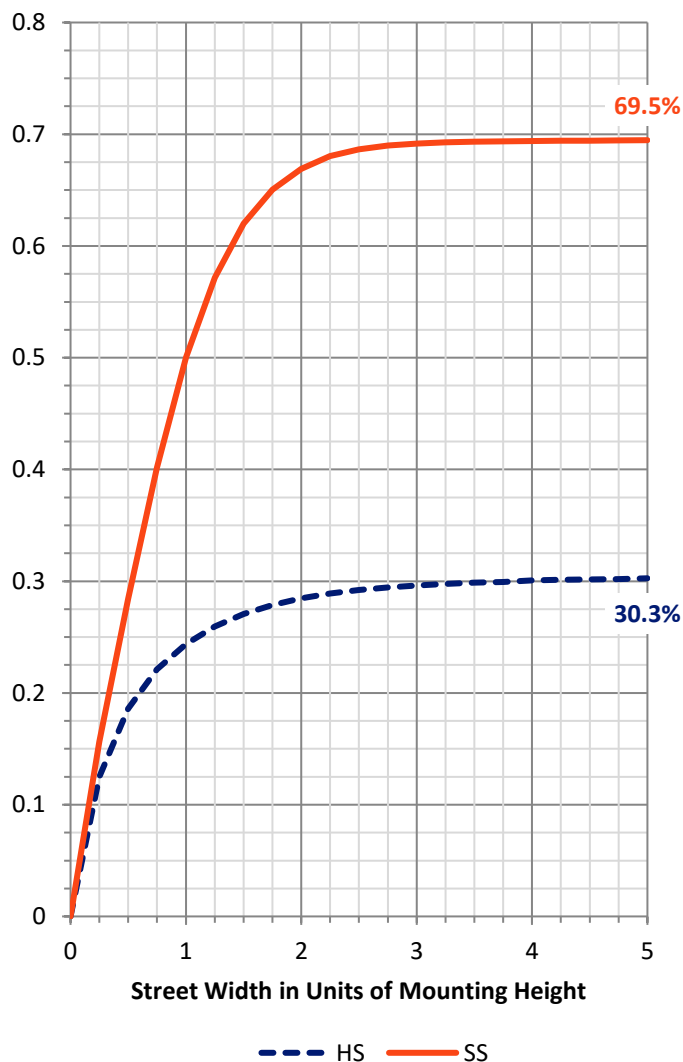
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11712.9  | 0.0    | 11712.9 |
|                    | % Fixture | 30.5     | 0.0    | 30.5    |
| <b>Street Side</b> | Lumens    | 26683.1  | 0.0    | 26683.1 |
|                    | % Fixture | 69.5     | 0.0    | 69.5    |
| <b>Total</b>       | Lumens    | 38396.0  | 0.0    | 38396.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1308.5  | 3.4       |
| 10°-20°   | 2821.3  | 7.3       |
| 20°-30°   | 4278.1  | 11.1      |
| 30°-40°   | 6181.1  | 16.1      |
| 40°-50°   | 8259.7  | 21.5      |
| 50°-60°   | 9219.6  | 24.0      |
| 60°-70°   | 5057.4  | 13.2      |
| 70°-80°   | 1093.4  | 2.8       |
| 80°-90°   | 176.9   | 0.5       |
| 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°    | 38396.0 | 100.0     |
| 0°-180°   | 38396.0 | 100.0     |

**Coefficient of Utilization**



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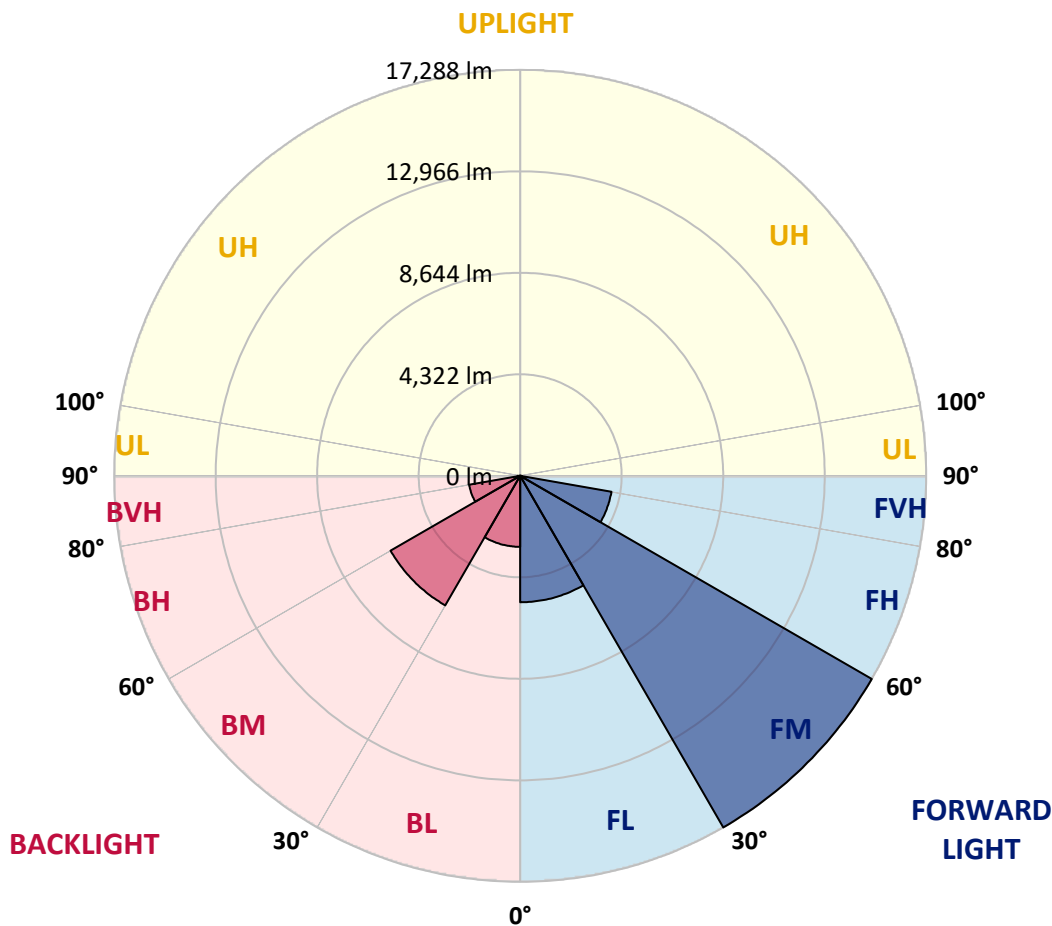
CATALOG NUMBER: GALN-SA9D-722-U-SLL-GRSWH

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 5383.8  | 14.0      |                         |      |         |
| FM (30°-60°)   | 17287.7 | 45.0      |                         |      |         |
| FH (60°-80°)   | 3946.1  | 10.3      |                         |      | G2/5000 |
| FVH (80°-90°)  | 65.5    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 3024.1  | 7.9       | B4/5000                 |      |         |
| BM (30°-60°)   | 6372.7  | 16.6      | B4/8500                 |      |         |
| BH (60°-80°)   | 2204.6  | 5.7       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 111.4   | 0.3       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 |
| 2.5°  | 17974.2 | 17873.2 | 17962.9 | 18389.0 | 18635.7 | 18803.9 | 18910.4 | 18893.6 | 18489.9 | 18097.5 | 18097.5 |
| 5°    | 17447.2 | 17318.2 | 17503.2 | 18467.5 | 19437.4 | 19521.5 | 19661.7 | 19431.8 | 18837.5 | 18119.9 | 17222.9 |
| 7.5°  | 15922.2 | 16017.5 | 16325.9 | 17592.9 | 18854.4 | 19487.9 | 19656.1 | 19364.5 | 18400.2 | 17060.3 | 15742.8 |
| 10°   | 14604.7 | 14829.0 | 15541.0 | 16908.9 | 18069.5 | 18893.6 | 19078.6 | 18669.3 | 17906.9 | 16264.2 | 15086.9 |
| 12.5° | 14150.6 | 14010.4 | 14800.9 | 16168.9 | 17279.0 | 17721.9 | 17806.0 | 17834.0 | 17318.2 | 15860.5 | 14425.3 |
| 15°   | 14094.5 | 14184.2 | 14800.9 | 15838.1 | 16522.1 | 16544.5 | 16684.7 | 16903.3 | 16970.6 | 16135.3 | 14733.6 |
| 17.5° | 14901.8 | 14795.3 | 15428.8 | 16253.0 | 15927.8 | 15602.6 | 15636.3 | 15950.2 | 16505.3 | 16370.7 | 15703.6 |
| 20°   | 16096.0 | 16337.1 | 16836.1 | 16752.0 | 15877.4 | 15053.2 | 15058.8 | 15356.0 | 16449.2 | 17346.2 | 17054.7 |
| 22.5° | 18080.7 | 18316.1 | 18686.2 | 17671.4 | 15877.4 | 14890.6 | 14700.0 | 15103.7 | 16808.0 | 18506.8 | 18579.6 |
| 25°   | 19891.5 | 20323.2 | 20424.2 | 19230.0 | 16673.5 | 15042.0 | 14918.7 | 15316.7 | 17166.8 | 19639.3 | 20328.8 |
| 27.5° | 21539.8 | 21696.8 | 22139.7 | 20233.5 | 17116.4 | 15142.9 | 15131.7 | 15641.9 | 17621.0 | 20205.5 | 21893.0 |
| 30°   | 22840.5 | 22823.7 | 23076.0 | 20867.1 | 17822.8 | 15709.2 | 15165.3 | 16129.6 | 18215.2 | 21141.8 | 23339.5 |
| 32.5° | 23726.3 | 23917.0 | 24449.6 | 21747.3 | 18119.9 | 16247.4 | 15821.3 | 16701.5 | 18938.5 | 21584.7 | 24359.9 |
| 35°   | 25284.9 | 25615.7 | 24942.9 | 22235.0 | 19061.8 | 16780.0 | 16281.0 | 17480.8 | 19297.3 | 22066.8 | 25610.1 |
| 37.5° | 26753.8 | 26501.5 | 25817.5 | 22498.5 | 19672.9 | 17766.7 | 17301.4 | 18988.9 | 20412.9 | 23115.2 | 26439.8 |
| 40°   | 27695.7 | 27690.1 | 26473.5 | 22711.6 | 20104.6 | 19274.8 | 19246.8 | 20519.5 | 21780.9 | 23776.8 | 27370.5 |
| 42.5° | 28104.9 | 28497.4 | 26742.6 | 22689.1 | 21012.8 | 21102.5 | 21668.8 | 22806.9 | 22750.8 | 23911.3 | 27348.1 |
| 44°   | 28665.6 | 28901.0 | 27207.9 | 22739.6 | 21618.3 | 22335.9 | 23670.3 | 24393.5 | 23597.4 | 23838.5 | 27320.0 |
| 45°   | 28643.2 | 28660.0 | 26546.4 | 22806.9 | 22134.1 | 23367.5 | 24561.7 | 25783.9 | 24343.0 | 23681.5 | 27690.1 |
| 47.5° | 27987.2 | 27796.6 | 25985.7 | 22307.9 | 23743.2 | 26092.2 | 27196.7 | 27936.7 | 25262.5 | 23345.1 | 27230.3 |
| 50°   | 26692.1 | 26473.5 | 24623.4 | 22094.9 | 24079.5 | 27785.4 | 29310.3 | 29579.4 | 26097.8 | 23014.3 | 26776.2 |
| 52.5° | 26781.8 | 26720.2 | 25010.2 | 22414.4 | 24415.9 | 28318.0 | 30762.4 | 30829.7 | 27045.3 | 23709.5 | 26781.8 |
| 55°   | 28385.3 | 28172.2 | 26120.3 | 22812.5 | 24169.2 | 27695.7 | 29837.3 | 29719.6 | 26725.8 | 23289.0 | 27275.2 |
| 57.5° | 25974.5 | 26114.7 | 24584.1 | 21237.1 | 21153.0 | 22515.3 | 23457.2 | 23165.7 | 22302.3 | 21018.4 | 25374.6 |
| 60°   | 20956.8 | 21354.8 | 21500.6 | 17761.1 | 15961.5 | 15260.7 | 14980.3 | 14464.5 | 14610.3 | 17267.7 | 22291.1 |
| 62.5° | 17974.2 | 17951.7 | 18865.6 | 16101.6 | 10456.0 | 8992.7  | 8858.1  | 8975.9  | 10657.8 | 16998.6 | 21831.4 |
| 65°   | 14251.5 | 14632.7 | 14913.1 | 13646.0 | 8275.1  | 6677.2  | 6671.6  | 7417.3  | 9222.5  | 14206.6 | 17626.6 |
| 67.5° | 9048.7  | 9547.7  | 9895.3  | 8729.2  | 5533.5  | 4754.2  | 4625.3  | 5522.3  | 6391.3  | 9317.9  | 10612.9 |
| 70°   | 5101.8  | 5337.3  | 5494.3  | 5034.6  | 3520.8  | 2466.8  | 2321.1  | 2534.1  | 3862.8  | 6032.5  | 6290.4  |
| 72.5° | 1967.9  | 2074.4  | 2287.4  | 2304.2  | 1328.7  | 796.1   | 644.7   | 773.7   | 1625.9  | 2388.3  | 2276.2  |
| 75°   | 302.7   | 325.2   | 459.7   | 549.4   | 381.2   | 291.5   | 308.4   | 319.6   | 454.1   | 616.7   | 515.8   |
| 77.5° | 145.8   | 145.8   | 140.2   | 162.6   | 190.6   | 207.4   | 224.3   | 246.7   | 269.1   | 297.1   | 285.9   |
| 80°   | 95.3    | 95.3    | 95.3    | 112.1   | 140.2   | 168.2   | 190.6   | 201.8   | 213.0   | 235.5   | 224.3   |
| 82.5° | 61.7    | 61.7    | 61.7    | 84.1    | 112.1   | 140.2   | 151.4   | 179.4   | 201.8   | 235.5   | 218.7   |
| 85°   | 33.6    | 33.6    | 33.6    | 56.1    | 84.1    | 117.7   | 112.1   | 89.7    | 50.5    | 5.6     | 11.2    |
| 87.5° | 11.2    | 11.2    | 11.2    | 11.2    | 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°    | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 |
| 2.5°  | 17626.6 | 17368.7 | 17346.2 | 16819.2 | 16348.3 | 16118.4 | 15933.4 | 15417.6 | 15529.8 | 15232.6 | 15227.0 |
| 5°    | 16774.4 | 16247.4 | 15395.2 | 14694.4 | 13993.6 | 13853.4 | 13242.3 | 12709.7 | 12726.6 | 12345.3 | 12412.6 |
| 7.5°  | 15243.8 | 14879.4 | 13842.2 | 12743.4 | 11812.7 | 11151.2 | 10573.7 | 10226.1 | 9783.2  | 9631.8  | 9553.3  |
| 10°   | 14273.9 | 13825.4 | 12659.3 | 11280.1 | 10237.3 | 9884.1  | 9329.1  | 9020.7  | 8566.6  | 8342.3  | 8185.4  |
| 12.5° | 13847.8 | 13191.9 | 11734.2 | 10332.6 | 9637.4  | 9273.0  | 8802.1  | 8241.4  | 7703.2  | 7495.8  | 7209.8  |
| 15°   | 13892.7 | 13107.8 | 11465.1 | 9951.4  | 9116.0  | 8409.6  | 7989.1  | 7366.8  | 6817.4  | 6453.0  | 6245.5  |
| 17.5° | 14571.1 | 13618.0 | 11588.5 | 9659.8  | 8460.1  | 7574.3  | 6750.1  | 6077.3  | 5640.0  | 5365.3  | 5298.1  |
| 20°   | 16174.5 | 14879.4 | 11795.9 | 9188.9  | 7804.1  | 6699.7  | 5684.9  | 4984.1  | 4647.7  | 4642.1  | 4647.7  |
| 22.5° | 17508.8 | 16225.0 | 12216.4 | 8908.6  | 7148.2  | 5578.4  | 4569.2  | 4345.0  | 4277.7  | 4417.9  | 4434.7  |
| 25°   | 19308.5 | 17738.7 | 12939.6 | 8762.8  | 6542.7  | 4754.2  | 4131.9  | 4047.8  | 4042.2  | 4221.6  | 4227.2  |
| 27.5° | 21153.0 | 19061.8 | 13371.3 | 8336.7  | 5926.0  | 4328.1  | 3868.4  | 3851.6  | 3941.3  | 4131.9  | 4115.1  |
| 30°   | 22408.8 | 20171.9 | 14150.6 | 7826.5  | 5197.1  | 3952.5  | 3761.9  | 3784.3  | 3907.7  | 4053.4  | 4075.9  |
| 32.5° | 23872.1 | 21265.1 | 14352.4 | 7546.2  | 4748.6  | 3638.6  | 3504.0  | 3554.5  | 3711.4  | 3941.3  | 4064.6  |
| 35°   | 25548.4 | 22038.8 | 14660.8 | 7165.0  | 4580.4  | 3397.5  | 3330.2  | 3386.3  | 3576.9  | 3728.3  | 3862.8  |
| 37.5° | 26787.4 | 23406.8 | 14716.8 | 6867.9  | 4395.4  | 3262.9  | 3156.4  | 3341.4  | 3453.5  | 3666.6  | 3733.9  |
| 40°   | 27706.9 | 24399.1 | 14862.6 | 6682.8  | 4249.7  | 3089.1  | 3089.1  | 3212.5  | 3363.8  | 3560.1  | 3694.6  |
| 42.5° | 28295.6 | 25122.3 | 14969.1 | 6514.6  | 3969.3  | 3038.7  | 3010.6  | 3134.0  | 3335.8  | 3526.4  | 3588.1  |
| 44°   | 28654.4 | 25430.7 | 14862.6 | 6357.7  | 3890.8  | 2977.0  | 2977.0  | 3083.5  | 3240.5  | 3464.8  | 3537.6  |
| 45°   | 28744.1 | 25817.5 | 14627.1 | 6352.1  | 3795.5  | 2904.1  | 2892.9  | 3094.7  | 3201.3  | 3476.0  | 3520.8  |
| 47.5° | 29091.7 | 26294.1 | 14655.2 | 6172.7  | 3565.7  | 2730.3  | 2926.5  | 3016.2  | 3111.6  | 3352.6  | 3504.0  |
| 50°   | 29080.5 | 26591.2 | 14593.5 | 5909.2  | 3397.5  | 2534.1  | 2859.3  | 2960.2  | 3055.5  | 3302.2  | 3363.8  |
| 52.5° | 29158.9 | 27701.3 | 15159.7 | 5488.7  | 3094.7  | 2281.8  | 2635.0  | 2859.3  | 2977.0  | 3184.4  | 3313.4  |
| 55°   | 29119.7 | 28334.8 | 15720.4 | 5174.7  | 2668.7  | 2130.4  | 2444.4  | 2707.9  | 2876.1  | 3094.7  | 3156.4  |
| 57.5° | 26596.8 | 25043.8 | 14548.6 | 4586.0  | 2208.9  | 1951.0  | 2175.3  | 2550.9  | 2764.0  | 2988.2  | 3066.7  |
| 60°   | 21730.4 | 19302.9 | 11997.7 | 3375.1  | 1816.5  | 1794.1  | 2023.9  | 2500.5  | 2590.2  | 2786.4  | 2920.9  |
| 62.5° | 20082.2 | 16931.4 | 9514.1  | 2578.9  | 1553.0  | 1642.7  | 1866.9  | 2259.4  | 2399.5  | 2640.6  | 2764.0  |
| 65°   | 15714.8 | 11246.5 | 5892.3  | 1743.6  | 1368.0  | 1474.5  | 1687.5  | 1979.1  | 2208.9  | 2433.2  | 2578.9  |
| 67.5° | 9306.6  | 6144.6  | 2915.3  | 1222.2  | 1194.2  | 1306.3  | 1524.9  | 1743.6  | 2007.1  | 2253.8  | 2326.7  |
| 70°   | 5068.2  | 3021.9  | 1244.6  | 930.7   | 1014.8  | 1115.7  | 1328.7  | 1480.1  | 1732.4  | 1923.0  | 2046.3  |
| 72.5° | 1625.9  | 919.5   | 622.3   | 689.6   | 773.7   | 891.4   | 1020.4  | 1205.4  | 1384.8  | 1496.9  | 1597.8  |
| 75°   | 392.4   | 386.8   | 442.9   | 482.2   | 560.6   | 650.3   | 756.9   | 852.2   | 992.3   | 1098.9  | 1188.6  |
| 77.5° | 274.7   | 297.1   | 342.0   | 398.1   | 426.1   | 459.7   | 527.0   | 599.9   | 661.6   | 740.0   | 796.1   |
| 80°   | 213.0   | 229.9   | 263.5   | 291.5   | 319.6   | 347.6   | 381.2   | 409.3   | 448.5   | 499.0   | 527.0   |
| 82.5° | 201.8   | 213.0   | 246.7   | 263.5   | 252.3   | 246.7   | 269.1   | 280.3   | 285.9   | 302.7   | 319.6   |
| 85°   | 16.8    | 0.0     | 11.2    | 39.2    | 95.3    | 140.2   | 151.4   | 151.4   | 145.8   | 157.0   | 157.0   |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 5.6     | 22.4    | 16.8    |
| 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°    | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 |
| 2.5°  | 15159.7 | 14969.1 | 15042.0 | 15131.7 | 15002.8 | 14705.6 | 14784.1 | 14750.5 | 15053.2 | 15030.8 | 15333.5 |
| 5°    | 12709.7 | 12412.6 | 12446.2 | 12883.5 | 12743.4 | 12894.7 | 12592.0 | 12552.8 | 12608.8 | 12636.9 | 12687.3 |
| 7.5°  | 9727.1  | 9687.9  | 10024.3 | 10394.3 | 10568.1 | 10388.7 | 10091.5 | 10024.3 | 9962.6  | 9839.3  | 10119.6 |
| 10°   | 7938.7  | 7949.9  | 7927.5  | 8207.8  | 8404.0  | 8364.8  | 8185.4  | 8162.9  | 8045.2  | 8000.3  | 8157.3  |
| 12.5° | 7086.5  | 6935.1  | 6862.2  | 6772.5  | 6923.9  | 7024.8  | 6946.3  | 6890.3  | 6895.9  | 6951.9  | 6974.4  |
| 15°   | 6262.4  | 6167.1  | 6010.1  | 5909.2  | 5982.0  | 5931.6  | 5903.6  | 6015.7  | 5987.6  | 5976.4  | 6111.0  |
| 17.5° | 5337.3  | 5415.8  | 5404.6  | 5292.5  | 5387.8  | 5348.5  | 5342.9  | 5264.4  | 5157.9  | 5079.4  | 5124.3  |
| 20°   | 4726.2  | 4872.0  | 4984.1  | 4989.7  | 5040.2  | 5034.6  | 4950.5  | 4709.4  | 4630.9  | 4614.1  | 4625.3  |
| 22.5° | 4507.6  | 4586.0  | 4720.6  | 4911.2  | 4911.2  | 4821.5  | 4720.6  | 4440.3  | 4367.4  | 4288.9  | 4255.3  |
| 25°   | 4333.8  | 4485.1  | 4658.9  | 4681.4  | 4771.1  | 4687.0  | 4524.4  | 4384.2  | 4232.8  | 4126.3  | 4126.3  |
| 27.5° | 4244.1  | 4412.2  | 4541.2  | 4580.4  | 4703.8  | 4636.5  | 4468.3  | 4288.9  | 4109.5  | 4103.9  | 4008.6  |
| 30°   | 4204.8  | 4361.8  | 4445.9  | 4541.2  | 4597.3  | 4490.7  | 4440.3  | 4249.7  | 4070.3  | 4025.4  | 3868.4  |
| 32.5° | 4087.1  | 4311.3  | 4468.3  | 4445.9  | 4490.7  | 4445.9  | 4373.0  | 4216.0  | 4014.2  | 3913.3  | 3896.5  |
| 35°   | 3952.5  | 4176.8  | 4345.0  | 4462.7  | 4490.7  | 4395.4  | 4350.6  | 4137.5  | 3862.8  | 3812.4  | 3638.6  |
| 37.5° | 3879.6  | 4014.2  | 4221.6  | 4412.2  | 4451.5  | 4401.0  | 4249.7  | 4031.0  | 3756.3  | 3700.2  | 3548.9  |
| 40°   | 3789.9  | 3963.7  | 4126.3  | 4283.3  | 4401.0  | 4277.7  | 4103.9  | 3890.8  | 3767.5  | 3599.3  | 3554.5  |
| 42.5° | 3722.7  | 3918.9  | 4053.4  | 4227.2  | 4361.8  | 4199.2  | 3997.4  | 3851.6  | 3677.8  | 3565.7  | 3436.7  |
| 44°   | 3700.2  | 3879.6  | 3969.3  | 4182.4  | 4294.5  | 4171.2  | 4003.0  | 3851.6  | 3649.8  | 3548.9  | 3436.7  |
| 45°   | 3621.7  | 3868.4  | 3963.7  | 4154.4  | 4249.7  | 4148.7  | 3935.7  | 3784.3  | 3638.6  | 3515.2  | 3397.5  |
| 47.5° | 3543.3  | 3711.4  | 3874.0  | 4025.4  | 4092.7  | 4059.0  | 3879.6  | 3694.6  | 3520.8  | 3447.9  | 3335.8  |
| 50°   | 3520.8  | 3689.0  | 3840.4  | 3980.6  | 4059.0  | 3991.8  | 3829.2  | 3649.8  | 3447.9  | 3330.2  | 3234.9  |
| 52.5° | 3408.7  | 3616.1  | 3784.3  | 3829.2  | 3930.1  | 3890.8  | 3767.5  | 3571.3  | 3380.7  | 3279.8  | 3201.3  |
| 55°   | 3246.1  | 3464.8  | 3694.6  | 3750.7  | 3896.5  | 3834.8  | 3649.8  | 3464.8  | 3302.2  | 3150.8  | 3049.9  |
| 57.5° | 3184.4  | 3397.5  | 3621.7  | 3694.6  | 3784.3  | 3683.4  | 3638.6  | 3442.3  | 3184.4  | 3106.0  | 2949.0  |
| 60°   | 3027.5  | 3296.6  | 3481.6  | 3649.8  | 3655.4  | 3627.3  | 3548.9  | 3324.6  | 3111.6  | 2965.8  | 2853.7  |
| 62.5° | 2904.1  | 3156.4  | 3302.2  | 3459.2  | 3554.5  | 3476.0  | 3397.5  | 3190.0  | 2960.2  | 2797.6  | 2668.7  |
| 65°   | 2724.7  | 2954.6  | 3077.9  | 3173.2  | 3279.8  | 3268.5  | 3134.0  | 2982.6  | 2741.5  | 2612.6  | 2489.2  |
| 67.5° | 2450.0  | 2651.8  | 2820.0  | 2909.7  | 2977.0  | 2960.2  | 2859.3  | 2752.7  | 2506.1  | 2377.1  | 2287.4  |
| 70°   | 2119.2  | 2326.7  | 2433.2  | 2483.6  | 2550.9  | 2584.6  | 2506.1  | 2455.6  | 2237.0  | 2068.8  | 1984.7  |
| 72.5° | 1704.3  | 1838.9  | 1995.9  | 2040.7  | 2068.8  | 2091.2  | 2091.2  | 2046.3  | 1822.1  | 1754.8  | 1609.0  |
| 75°   | 1255.8  | 1362.4  | 1480.1  | 1480.1  | 1530.6  | 1536.2  | 1547.4  | 1519.3  | 1351.1  | 1261.4  | 1227.8  |
| 77.5° | 852.2   | 930.7   | 1026.0  | 1065.2  | 1098.9  | 1093.3  | 1087.6  | 1009.2  | 919.5   | 880.2   | 846.6   |
| 80°   | 555.0   | 633.5   | 678.4   | 728.8   | 762.5   | 756.9   | 768.1   | 712.0   | 672.8   | 605.5   | 616.7   |
| 82.5° | 330.8   | 392.4   | 437.3   | 499.0   | 499.0   | 515.8   | 515.8   | 499.0   | 459.7   | 426.1   | 426.1   |
| 85°   | 157.0   | 207.4   | 235.5   | 274.7   | 297.1   | 302.7   | 269.1   | 229.9   | 190.6   | 173.8   | 190.6   |
| 87.5° | 28.0    | 39.2    | 56.1    | 50.5    | 61.7    | 56.1    | 56.1    | 56.1    | 56.1    | 44.9    | 50.5    |
| 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: P534216

CATALOG NUMBER: GALN-SA9D-722-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 | 17127.6 |
| 2.5°  | 15221.4 | 15501.7 | 15698.0 | 16023.1 | 16583.8 | 17032.3 | 17492.0 | 17834.0 | 17873.2 | 17974.2 |
| 5°    | 12872.3 | 13023.7 | 13522.7 | 14173.0 | 14632.7 | 15389.6 | 15877.4 | 16763.2 | 17093.9 | 17447.2 |
| 7.5°  | 10052.3 | 10299.0 | 10966.1 | 11403.4 | 12412.6 | 13360.1 | 14341.2 | 15434.4 | 15871.7 | 15922.2 |
| 10°   | 8476.9  | 8835.7  | 9289.8  | 9990.6  | 10540.1 | 11594.1 | 12816.3 | 14032.8 | 14520.6 | 14604.7 |
| 12.5° | 7445.3  | 7905.0  | 8510.5  | 9015.1  | 9542.1  | 10461.6 | 11633.3 | 13135.8 | 13769.3 | 14150.6 |
| 15°   | 6453.0  | 6929.5  | 7596.7  | 8297.5  | 8762.8  | 9861.7  | 11240.9 | 12934.0 | 13758.1 | 14094.5 |
| 17.5° | 5432.6  | 5875.5  | 6424.9  | 7181.8  | 8118.1  | 9351.5  | 11179.2 | 13606.8 | 14509.4 | 14901.8 |
| 20°   | 4558.0  | 4804.7  | 5443.8  | 6223.1  | 7394.9  | 8830.1  | 11201.6 | 14599.1 | 15922.2 | 16096.0 |
| 22.5° | 4216.0  | 4272.1  | 4524.4  | 5242.0  | 6525.9  | 8297.5  | 11599.7 | 16006.3 | 17508.8 | 18080.7 |
| 25°   | 3952.5  | 3941.3  | 4008.6  | 4490.7  | 5892.3  | 8090.1  | 11992.1 | 17301.4 | 19269.2 | 19891.5 |
| 27.5° | 3806.8  | 3694.6  | 3700.2  | 4154.4  | 5443.8  | 7753.7  | 12496.7 | 18787.1 | 21265.1 | 21539.8 |
| 30°   | 3733.9  | 3711.4  | 3644.2  | 3829.2  | 4956.1  | 7249.1  | 12580.8 | 20250.4 | 22442.5 | 22840.5 |
| 32.5° | 3689.0  | 3470.4  | 3386.3  | 3453.5  | 4496.3  | 6699.7  | 12894.7 | 21214.7 | 23900.1 | 23726.3 |
| 35°   | 3464.8  | 3268.5  | 3212.5  | 3279.8  | 4171.2  | 6391.3  | 12687.3 | 22055.6 | 24993.4 | 25284.9 |
| 37.5° | 3380.7  | 3206.9  | 3094.7  | 3038.7  | 3868.4  | 6133.4  | 12580.8 | 23350.7 | 26053.0 | 26753.8 |
| 40°   | 3302.2  | 3117.2  | 2982.6  | 2926.5  | 3633.0  | 5791.4  | 12547.1 | 24348.6 | 27275.2 | 27695.7 |
| 42.5° | 3212.5  | 3094.7  | 2943.4  | 2842.5  | 3347.0  | 5449.4  | 12160.3 | 24657.0 | 27650.8 | 28104.9 |
| 44°   | 3184.4  | 3005.0  | 2848.1  | 2814.4  | 3234.9  | 5275.6  | 12081.8 | 24937.3 | 27976.0 | 28665.6 |
| 45°   | 3156.4  | 2988.2  | 2808.8  | 2764.0  | 3195.7  | 5180.3  | 11975.3 | 25004.6 | 28514.2 | 28643.2 |
| 47.5° | 3077.9  | 2971.4  | 2797.6  | 2674.3  | 3111.6  | 4972.9  | 11655.7 | 24623.4 | 27964.8 | 27987.2 |
| 50°   | 3016.2  | 2892.9  | 2713.5  | 2472.4  | 2999.4  | 4799.1  | 11801.5 | 24483.2 | 26641.7 | 26692.1 |
| 52.5° | 2949.0  | 2764.0  | 2663.0  | 2248.2  | 2814.4  | 4653.3  | 12109.8 | 25116.7 | 26793.0 | 26781.8 |
| 55°   | 2870.5  | 2668.7  | 2422.0  | 2057.6  | 2506.1  | 4468.3  | 12855.5 | 26367.0 | 28194.6 | 28385.3 |
| 57.5° | 2747.1  | 2573.3  | 2220.1  | 1889.4  | 2152.9  | 4115.1  | 12614.4 | 23973.0 | 25940.9 | 25974.5 |
| 60°   | 2584.6  | 2422.0  | 2012.7  | 1760.4  | 1766.0  | 3246.1  | 11280.1 | 18680.6 | 20469.0 | 20956.8 |
| 62.5° | 2427.6  | 2337.9  | 1838.9  | 1575.4  | 1502.5  | 2584.6  | 9536.5  | 15524.2 | 17570.5 | 17974.2 |
| 65°   | 2242.6  | 2023.9  | 1687.5  | 1435.2  | 1289.5  | 1810.9  | 6755.7  | 11599.7 | 13707.7 | 14251.5 |
| 67.5° | 2007.1  | 1771.6  | 1485.7  | 1261.4  | 1104.5  | 1211.0  | 3487.2  | 6593.1  | 8729.2  | 9048.7  |
| 70°   | 1754.8  | 1536.2  | 1250.2  | 1065.2  | 891.4   | 835.4   | 1536.2  | 3145.2  | 4771.1  | 5101.8  |
| 72.5° | 1440.8  | 1239.0  | 997.9   | 841.0   | 667.2   | 577.5   | 515.8   | 841.0   | 1693.1  | 1967.9  |
| 75°   | 1042.8  | 902.6   | 751.3   | 599.9   | 470.9   | 370.0   | 302.7   | 252.3   | 280.3   | 302.7   |
| 77.5° | 768.1   | 656.0   | 555.0   | 426.1   | 330.8   | 263.5   | 207.4   | 157.0   | 151.4   | 145.8   |
| 80°   | 599.9   | 532.6   | 442.9   | 342.0   | 257.9   | 196.2   | 145.8   | 106.5   | 95.3    | 95.3    |
| 82.5° | 470.9   | 437.3   | 364.4   | 280.3   | 213.0   | 157.0   | 106.5   | 72.9    | 61.7    | 61.7    |
| 85°   | 179.4   | 179.4   | 263.5   | 229.9   | 162.6   | 112.1   | 72.9    | 39.2    | 33.6    | 33.6    |
| 87.5° | 44.9    | 44.9    | 44.9    | 44.9    | 39.2    | 33.6    | 33.6    | 16.8    | 11.2    | 11.2    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)