

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P653440

Luminaire Tested: **GLAN-SA6D-840-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653440
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: STREETWORKS
Catalog Number: GLAN-SA6D-840-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 28732.8 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 368
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

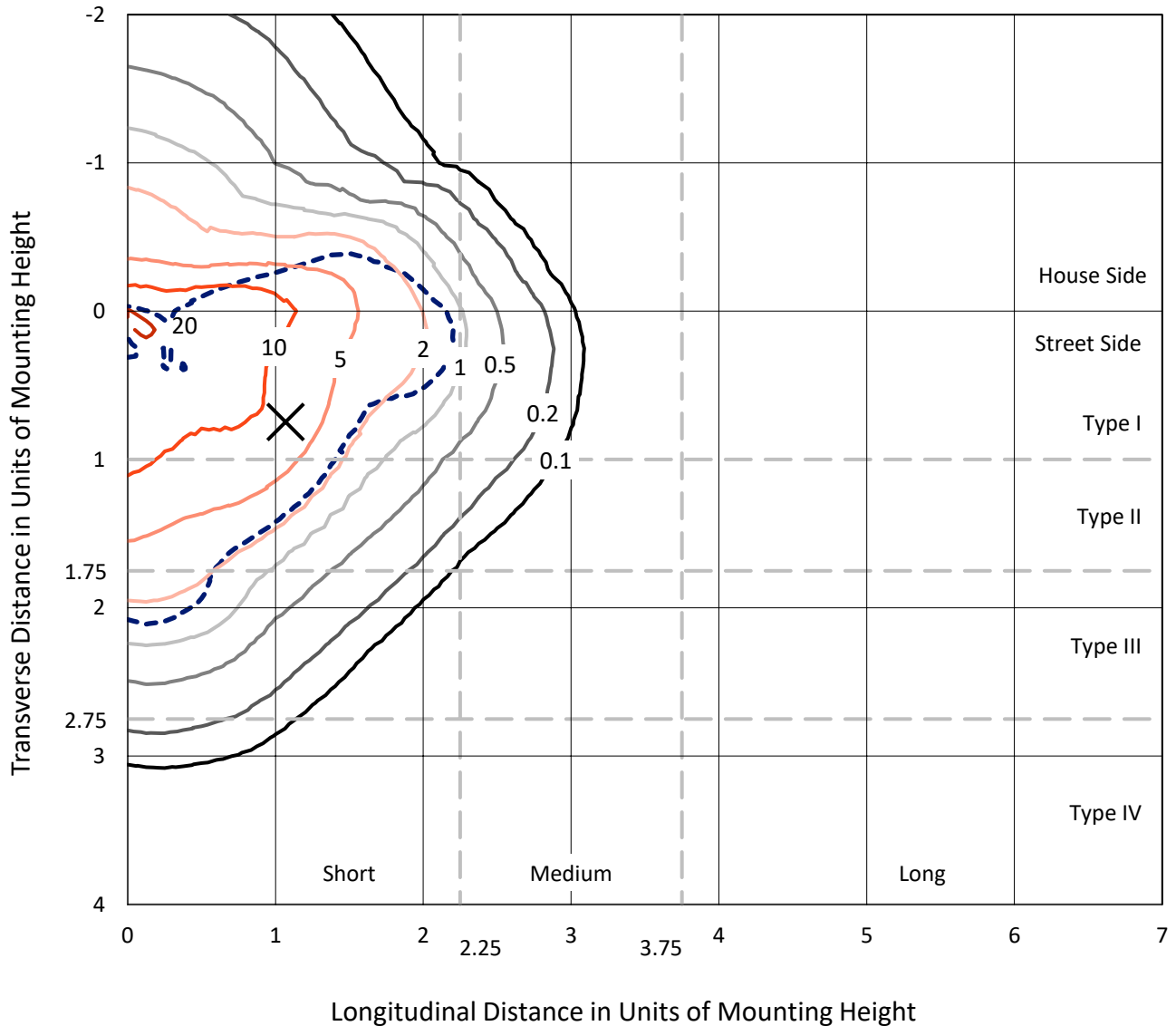




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Iso-Footcandle Lines of Horizontal Illumination

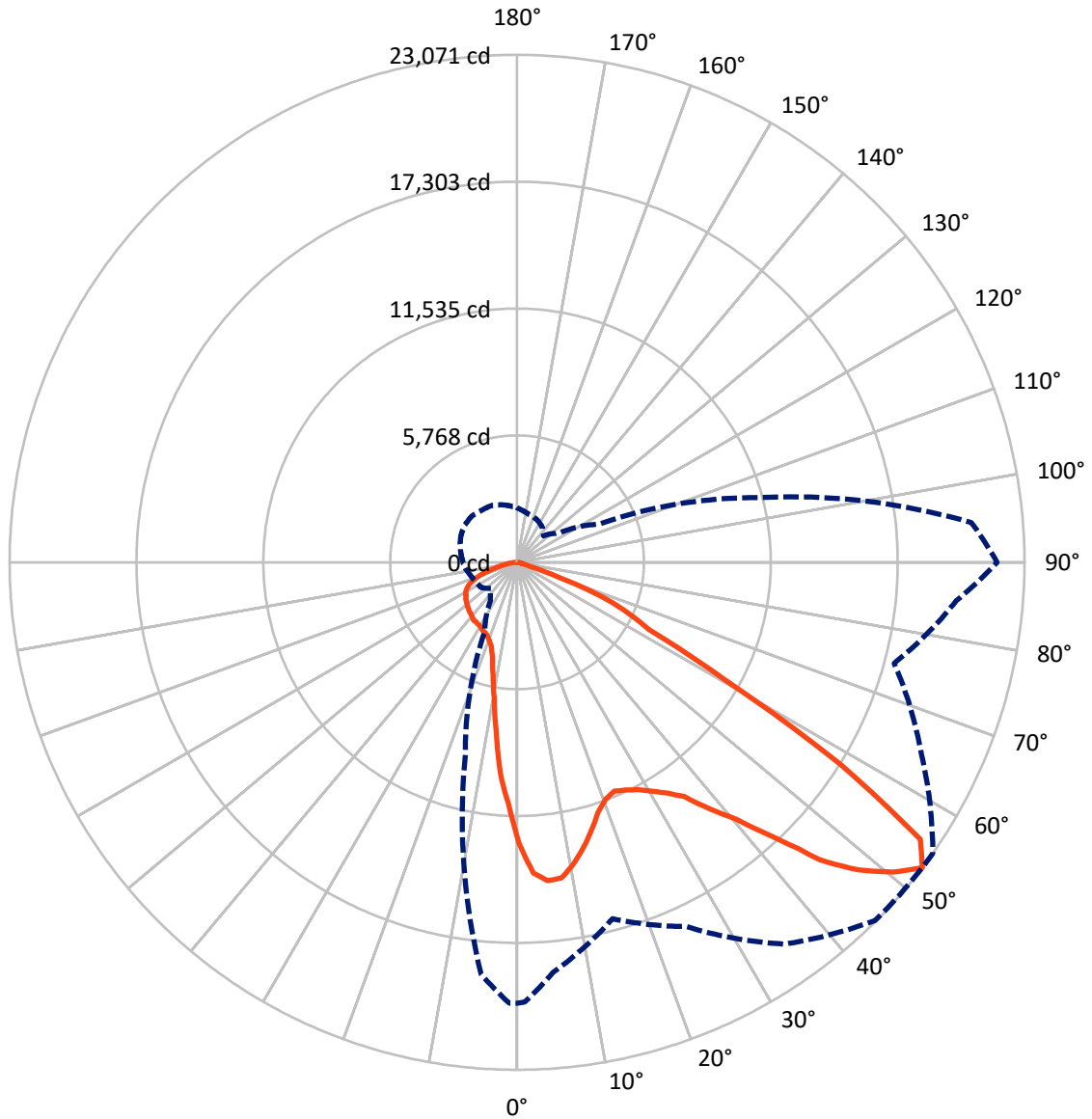
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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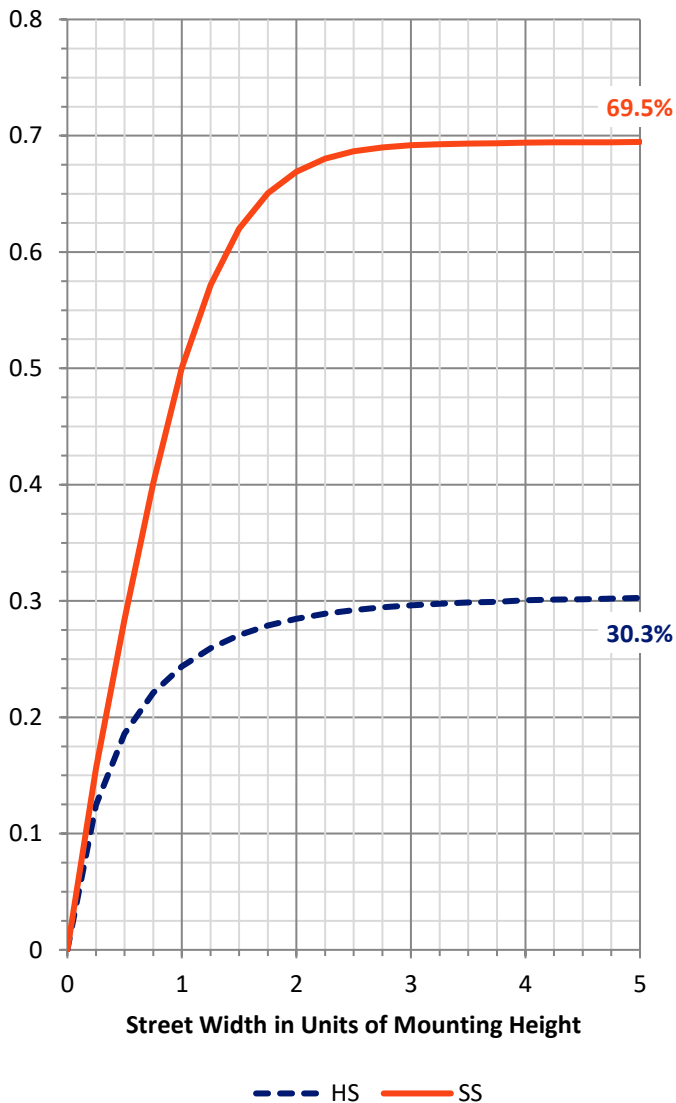
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8765.1 | 0.0 | 8765.1 |
| | % Fixture | 30.5 | 0.0 | 30.5 |
| Street Side | Lumens | 19967.7 | 0.0 | 19967.7 |
| | % Fixture | 69.5 | 0.0 | 69.5 |
| Total | Lumens | 28732.8 | 0.0 | 28732.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 979.2 | 3.4 |
| 10°-20° | 2111.3 | 7.3 |
| 20°-30° | 3201.4 | 11.1 |
| 30°-40° | 4625.5 | 16.1 |
| 40°-50° | 6180.9 | 21.5 |
| 50°-60° | 6899.3 | 24.0 |
| 60°-70° | 3784.6 | 13.2 |
| 70°-80° | 818.2 | 2.8 |
| 80°-90° | 132.4 | 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° | 28732.8 | 100.0 |
| 0°-180° | 28732.8 | 100.0 |

Coefficient of Utilization



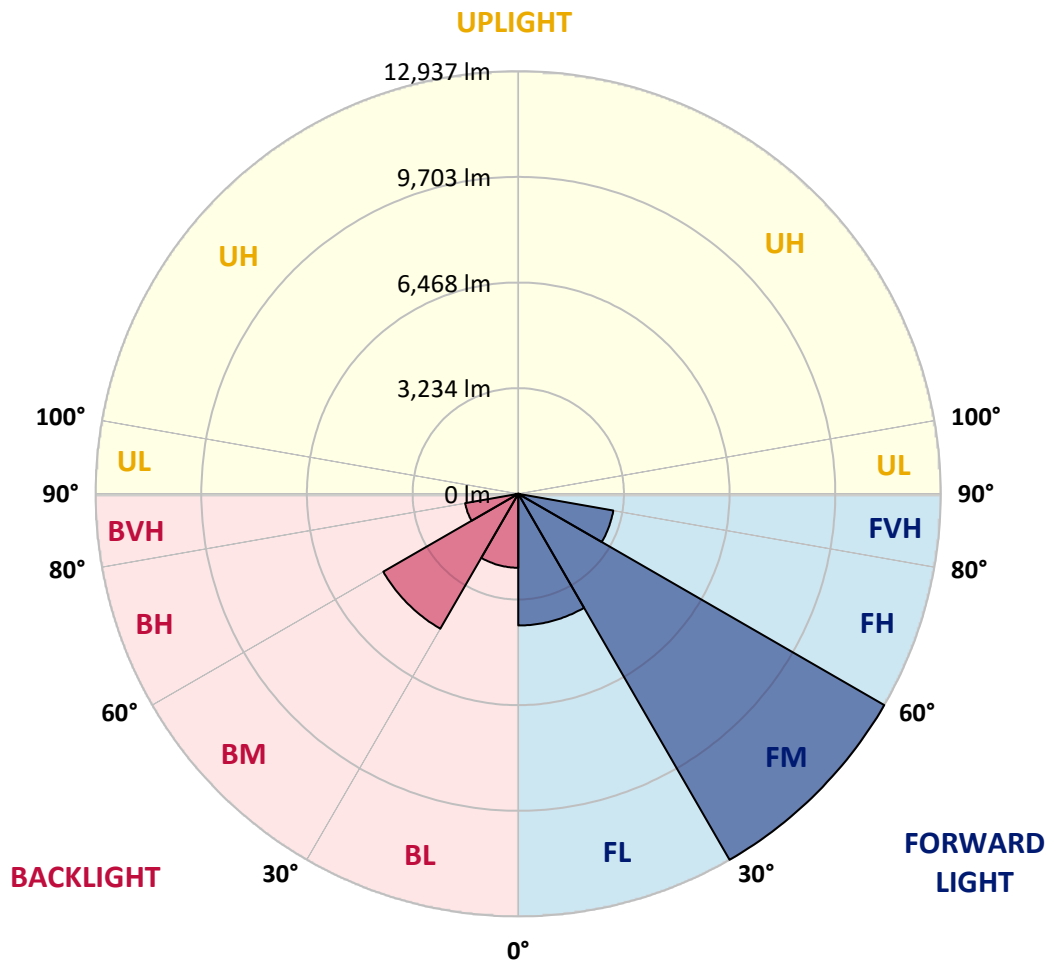
REPORT NUMBER: P653440
 CATALOG NUMBER: GLAN-SA6D-840-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4028.9 | 14.0 | | | |
| FM (30°-60°) | 12936.8 | 45.0 | | | |
| FH (60°-80°) | 2953.0 | 10.3 | | | G2/5000 |
| FVH (80°-90°) | 49.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2263.0 | 7.9 | B3/2500 | | |
| BM (30°-60°) | 4768.9 | 16.6 | B3/5000 | | |
| BH (60°-80°) | 1649.8 | 5.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 83.4 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P653440

CATALOG NUMBER: GLAN-SA6D-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 |
| 2.5° | 13450.5 | 13375.0 | 13442.1 | 13761.0 | 13945.6 | 14071.4 | 14151.2 | 14138.6 | 13836.6 | 13542.9 | 13542.9 |
| 5° | 13056.2 | 12959.6 | 13098.2 | 13819.7 | 14545.5 | 14608.5 | 14713.4 | 14541.4 | 14096.7 | 13559.6 | 12888.3 |
| 7.5° | 11915.0 | 11986.4 | 12217.1 | 13165.3 | 14109.2 | 14583.3 | 14709.2 | 14491.0 | 13769.4 | 12766.7 | 11780.7 |
| 10° | 10929.1 | 11096.9 | 11629.8 | 12653.4 | 13521.9 | 14138.6 | 14277.1 | 13970.8 | 13400.2 | 12171.0 | 11289.9 |
| 12.5° | 10589.3 | 10484.4 | 11076.0 | 12099.6 | 12930.3 | 13261.7 | 13324.7 | 13345.7 | 12959.6 | 11868.9 | 10794.8 |
| 15° | 10547.3 | 10614.4 | 11076.0 | 11852.1 | 12364.0 | 12380.7 | 12485.6 | 12649.2 | 12699.6 | 12074.4 | 11025.6 |
| 17.5° | 11151.5 | 11071.8 | 11545.8 | 12162.5 | 11919.2 | 11675.9 | 11701.1 | 11936.0 | 12351.3 | 12250.7 | 11751.4 |
| 20° | 12045.1 | 12225.4 | 12598.9 | 12535.9 | 11881.5 | 11264.7 | 11268.9 | 11491.3 | 12309.4 | 12980.7 | 12762.5 |
| 22.5° | 13530.3 | 13706.4 | 13983.4 | 13224.0 | 11881.5 | 11143.1 | 11000.4 | 11302.5 | 12577.9 | 13849.1 | 13903.7 |
| 25° | 14885.4 | 15208.4 | 15283.9 | 14390.4 | 12477.2 | 11256.4 | 11164.0 | 11461.9 | 12846.4 | 14696.6 | 15212.6 |
| 27.5° | 16118.9 | 16236.3 | 16567.8 | 15141.3 | 12808.7 | 11331.9 | 11323.5 | 11705.2 | 13186.2 | 15120.3 | 16383.2 |
| 30° | 17092.1 | 17079.6 | 17268.4 | 15615.4 | 13337.3 | 11755.6 | 11348.6 | 12070.3 | 13630.9 | 15821.0 | 17465.6 |
| 32.5° | 17755.0 | 17897.7 | 18296.3 | 16274.1 | 13559.6 | 12158.3 | 11839.5 | 12498.2 | 14172.2 | 16152.4 | 18229.2 |
| 35° | 18921.4 | 19168.9 | 18665.5 | 16639.1 | 14264.5 | 12556.9 | 12183.6 | 13081.3 | 14440.6 | 16513.2 | 19164.7 |
| 37.5° | 20020.6 | 19831.8 | 19320.0 | 16836.2 | 14721.8 | 13295.3 | 12947.1 | 14210.0 | 15275.6 | 17297.8 | 19785.6 |
| 40° | 20725.4 | 20721.2 | 19810.8 | 16995.7 | 15044.8 | 14423.9 | 14402.9 | 15355.2 | 16299.3 | 17792.8 | 20482.1 |
| 42.5° | 21031.6 | 21325.4 | 20012.2 | 16978.9 | 15724.4 | 15791.6 | 16215.3 | 17067.0 | 17025.0 | 17893.5 | 20465.3 |
| 44° | 21451.2 | 21627.4 | 20360.4 | 17016.6 | 16177.6 | 16714.6 | 17713.1 | 18254.3 | 17658.6 | 17839.0 | 20444.3 |
| 45° | 21434.5 | 21447.0 | 19865.3 | 17067.0 | 16563.6 | 17486.6 | 18380.1 | 19294.8 | 18216.6 | 17721.5 | 20721.2 |
| 47.5° | 20943.6 | 20801.0 | 19445.9 | 16693.6 | 17767.6 | 19525.5 | 20352.0 | 20905.8 | 18904.6 | 17469.8 | 20377.2 |
| 50° | 19974.4 | 19810.8 | 18426.3 | 16534.1 | 18019.4 | 20792.5 | 21933.7 | 22135.1 | 19529.7 | 17222.3 | 20037.3 |
| 52.5° | 20041.5 | 19995.4 | 18715.8 | 16773.3 | 18271.1 | 21191.1 | 23020.4 | 23070.6 | 20238.7 | 17742.5 | 20041.5 |
| 55° | 21241.5 | 21082.0 | 19546.5 | 17071.2 | 18086.5 | 20725.4 | 22328.0 | 22240.0 | 19999.6 | 17427.8 | 20410.7 |
| 57.5° | 19437.4 | 19542.3 | 18397.0 | 15892.3 | 15829.4 | 16848.8 | 17553.7 | 17335.5 | 16689.4 | 15728.6 | 18988.5 |
| 60° | 15682.5 | 15980.4 | 16089.5 | 13291.1 | 11944.4 | 11419.9 | 11210.2 | 10824.2 | 10933.3 | 12921.9 | 16681.1 |
| 62.5° | 13450.5 | 13433.8 | 14117.6 | 12049.3 | 7824.5 | 6729.4 | 6628.8 | 6716.9 | 7975.5 | 12720.5 | 16337.0 |
| 65° | 10664.8 | 10950.1 | 11159.8 | 10211.7 | 6192.5 | 4996.7 | 4992.6 | 5550.5 | 6901.5 | 10631.2 | 13190.4 |
| 67.5° | 6771.4 | 7144.8 | 7404.9 | 6532.3 | 4140.9 | 3557.7 | 3461.2 | 4132.5 | 4782.8 | 6972.8 | 7942.0 |
| 70° | 3817.8 | 3994.1 | 4111.5 | 3767.5 | 2634.8 | 1846.0 | 1736.9 | 1896.4 | 2890.7 | 4514.3 | 4707.2 |
| 72.5° | 1472.6 | 1552.3 | 1711.8 | 1724.3 | 994.3 | 595.8 | 482.5 | 578.9 | 1216.7 | 1787.3 | 1703.4 |
| 75° | 226.6 | 243.3 | 344.1 | 411.2 | 285.3 | 218.2 | 230.8 | 239.2 | 339.8 | 461.5 | 386.0 |
| 77.5° | 109.1 | 109.1 | 104.9 | 121.7 | 142.6 | 155.2 | 167.8 | 184.6 | 201.4 | 222.4 | 214.0 |
| 80° | 71.3 | 71.3 | 71.3 | 83.9 | 104.9 | 125.9 | 142.6 | 151.0 | 159.5 | 176.2 | 167.8 |
| 82.5° | 46.2 | 46.2 | 46.2 | 62.9 | 83.9 | 104.9 | 113.3 | 134.2 | 151.0 | 176.2 | 163.7 |
| 85° | 25.1 | 25.1 | 25.1 | 42.0 | 62.9 | 88.1 | 83.9 | 67.1 | 37.8 | 4.2 | 8.4 |
| 87.5° | 8.4 | 8.4 | 8.4 | 8.4 | 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: P653440

CATALOG NUMBER: GLAN-SA6D-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 |
| 2.5° | 13190.4 | 12997.4 | 12980.7 | 12586.3 | 12233.9 | 12061.9 | 11923.4 | 11537.4 | 11621.4 | 11399.0 | 11394.8 |
| 5° | 12552.7 | 12158.3 | 11520.6 | 10996.2 | 10471.8 | 10366.9 | 9909.6 | 9511.0 | 9523.7 | 9238.3 | 9288.7 |
| 7.5° | 11407.4 | 11134.7 | 10358.5 | 9536.2 | 8839.8 | 8344.7 | 7912.5 | 7652.4 | 7321.0 | 7207.7 | 7149.0 |
| 10° | 10681.5 | 10345.9 | 9473.3 | 8441.2 | 7660.8 | 7396.5 | 6981.2 | 6750.5 | 6410.6 | 6242.8 | 6125.3 |
| 12.5° | 10362.7 | 9871.8 | 8781.0 | 7732.2 | 7211.9 | 6939.3 | 6586.8 | 6167.3 | 5764.6 | 5609.3 | 5395.4 |
| 15° | 10396.3 | 9808.9 | 8579.6 | 7446.9 | 6821.8 | 6293.1 | 5978.5 | 5512.8 | 5101.7 | 4828.9 | 4673.7 |
| 17.5° | 10903.9 | 10190.7 | 8672.0 | 7228.7 | 6330.9 | 5668.0 | 5051.3 | 4547.9 | 4220.6 | 4015.0 | 3964.6 |
| 20° | 12103.8 | 11134.7 | 8827.2 | 6876.3 | 5840.1 | 5013.5 | 4254.2 | 3729.8 | 3478.0 | 3473.8 | 3478.0 |
| 22.5° | 13102.4 | 12141.6 | 9141.8 | 6666.5 | 5349.2 | 4174.5 | 3419.3 | 3251.5 | 3201.1 | 3306.0 | 3318.6 |
| 25° | 14449.1 | 13274.3 | 9683.0 | 6557.4 | 4896.0 | 3557.7 | 3092.0 | 3029.1 | 3024.9 | 3159.1 | 3163.3 |
| 27.5° | 15829.4 | 14264.5 | 10006.1 | 6238.6 | 4434.6 | 3238.9 | 2894.8 | 2882.3 | 2949.4 | 3092.0 | 3079.4 |
| 30° | 16769.1 | 15095.2 | 10589.3 | 5856.8 | 3889.2 | 2957.8 | 2815.2 | 2831.9 | 2924.2 | 3033.3 | 3050.1 |
| 32.5° | 17864.1 | 15913.2 | 10740.3 | 5647.1 | 3553.6 | 2722.8 | 2622.2 | 2659.9 | 2777.4 | 2949.4 | 3041.6 |
| 35° | 19118.5 | 16492.3 | 10971.0 | 5361.8 | 3427.7 | 2542.4 | 2492.1 | 2534.0 | 2676.7 | 2789.9 | 2890.7 |
| 37.5° | 20045.7 | 17515.9 | 11013.0 | 5139.4 | 3289.2 | 2441.8 | 2362.0 | 2500.5 | 2584.4 | 2743.8 | 2794.1 |
| 40° | 20733.8 | 18258.5 | 11122.1 | 5000.9 | 3180.2 | 2311.7 | 2311.7 | 2404.0 | 2517.3 | 2664.1 | 2764.8 |
| 42.5° | 21174.4 | 18799.7 | 11201.8 | 4875.1 | 2970.3 | 2273.9 | 2253.0 | 2345.2 | 2496.3 | 2638.9 | 2685.1 |
| 44° | 21442.8 | 19030.5 | 11122.1 | 4757.6 | 2911.6 | 2227.8 | 2227.8 | 2307.5 | 2424.9 | 2592.8 | 2647.3 |
| 45° | 21510.0 | 19320.0 | 10945.9 | 4753.4 | 2840.3 | 2173.2 | 2164.8 | 2315.9 | 2395.6 | 2601.1 | 2634.8 |
| 47.5° | 21770.0 | 19676.5 | 10966.9 | 4619.2 | 2668.3 | 2043.2 | 2190.0 | 2257.2 | 2328.5 | 2508.9 | 2622.2 |
| 50° | 21761.7 | 19898.9 | 10920.7 | 4422.0 | 2542.4 | 1896.4 | 2139.7 | 2215.2 | 2286.5 | 2471.1 | 2517.3 |
| 52.5° | 21820.4 | 20729.6 | 11344.4 | 4107.4 | 2315.9 | 1707.6 | 1971.9 | 2139.7 | 2227.8 | 2383.0 | 2479.5 |
| 55° | 21791.1 | 21203.7 | 11764.0 | 3872.4 | 1997.0 | 1594.3 | 1829.2 | 2026.4 | 2152.3 | 2315.9 | 2362.0 |
| 57.5° | 19903.1 | 18741.0 | 10887.2 | 3431.9 | 1653.0 | 1460.0 | 1627.8 | 1908.9 | 2068.4 | 2236.1 | 2294.9 |
| 60° | 16261.5 | 14444.8 | 8978.2 | 2525.6 | 1359.3 | 1342.6 | 1514.6 | 1871.1 | 1938.3 | 2085.1 | 2185.8 |
| 62.5° | 15028.0 | 12670.2 | 7119.7 | 1929.9 | 1162.1 | 1229.3 | 1397.1 | 1690.7 | 1795.6 | 1976.0 | 2068.4 |
| 65° | 11759.8 | 8416.1 | 4409.4 | 1304.8 | 1023.7 | 1103.4 | 1262.8 | 1481.0 | 1653.0 | 1820.8 | 1929.9 |
| 67.5° | 6964.4 | 4598.2 | 2181.6 | 914.6 | 893.6 | 977.5 | 1141.2 | 1304.8 | 1501.9 | 1686.5 | 1741.1 |
| 70° | 3792.7 | 2261.4 | 931.4 | 696.4 | 759.3 | 834.9 | 994.3 | 1107.6 | 1296.4 | 1439.0 | 1531.3 |
| 72.5° | 1216.7 | 688.0 | 465.7 | 516.0 | 578.9 | 667.1 | 763.5 | 902.1 | 1036.3 | 1120.2 | 1195.7 |
| 75° | 293.7 | 289.5 | 331.4 | 360.8 | 419.6 | 486.7 | 566.4 | 637.7 | 742.6 | 822.3 | 889.4 |
| 77.5° | 205.5 | 222.4 | 255.9 | 297.9 | 318.8 | 344.1 | 394.3 | 448.9 | 495.1 | 553.8 | 595.8 |
| 80° | 159.5 | 172.0 | 197.2 | 218.2 | 239.2 | 260.1 | 285.3 | 306.3 | 335.6 | 373.4 | 394.3 |
| 82.5° | 151.0 | 159.5 | 184.6 | 197.2 | 188.8 | 184.6 | 201.4 | 209.7 | 214.0 | 226.6 | 239.2 |
| 85° | 12.6 | 0.0 | 8.4 | 29.4 | 71.3 | 104.9 | 113.3 | 113.3 | 109.1 | 117.5 | 117.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 | 16.8 | 12.6 |
| 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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CATALOG NUMBER: GLAN-SA6D-840-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 |
| 2.5° | 11344.4 | 11201.8 | 11256.4 | 11323.5 | 11226.9 | 11004.6 | 11063.4 | 11038.2 | 11264.7 | 11248.0 | 11474.5 |
| 5° | 9511.0 | 9288.7 | 9313.8 | 9641.1 | 9536.2 | 9649.5 | 9422.9 | 9393.5 | 9435.5 | 9456.5 | 9494.2 |
| 7.5° | 7279.1 | 7249.7 | 7501.5 | 7778.3 | 7908.3 | 7774.1 | 7551.8 | 7501.5 | 7455.3 | 7363.0 | 7572.8 |
| 10° | 5940.7 | 5949.1 | 5932.3 | 6142.1 | 6288.9 | 6259.6 | 6125.3 | 6108.5 | 6020.5 | 5986.9 | 6104.3 |
| 12.5° | 5303.0 | 5189.7 | 5135.2 | 5068.1 | 5181.3 | 5256.8 | 5198.1 | 5156.2 | 5160.4 | 5202.3 | 5219.1 |
| 15° | 4686.3 | 4615.0 | 4497.5 | 4422.0 | 4476.6 | 4438.8 | 4417.8 | 4501.7 | 4480.7 | 4472.4 | 4573.0 |
| 17.5° | 3994.1 | 4052.8 | 4044.4 | 3960.5 | 4031.8 | 4002.4 | 3998.3 | 3939.5 | 3859.8 | 3801.1 | 3834.6 |
| 20° | 3536.7 | 3645.8 | 3729.8 | 3734.0 | 3771.7 | 3767.5 | 3704.6 | 3524.1 | 3465.4 | 3452.8 | 3461.2 |
| 22.5° | 3373.2 | 3431.9 | 3532.5 | 3675.2 | 3675.2 | 3608.1 | 3532.5 | 3322.8 | 3268.2 | 3209.5 | 3184.4 |
| 25° | 3243.1 | 3356.3 | 3486.4 | 3503.2 | 3570.3 | 3507.4 | 3385.7 | 3280.8 | 3167.5 | 3087.8 | 3087.8 |
| 27.5° | 3176.0 | 3301.8 | 3398.3 | 3427.7 | 3520.0 | 3469.6 | 3343.7 | 3209.5 | 3075.3 | 3071.1 | 2999.8 |
| 30° | 3146.6 | 3264.0 | 3327.0 | 3398.3 | 3440.3 | 3360.6 | 3322.8 | 3180.2 | 3045.8 | 3012.3 | 2894.8 |
| 32.5° | 3058.5 | 3226.2 | 3343.7 | 3327.0 | 3360.6 | 3327.0 | 3272.4 | 3154.9 | 3004.0 | 2928.4 | 2915.8 |
| 35° | 2957.8 | 3125.6 | 3251.5 | 3339.5 | 3360.6 | 3289.2 | 3255.7 | 3096.2 | 2890.7 | 2852.9 | 2722.8 |
| 37.5° | 2903.2 | 3004.0 | 3159.1 | 3301.8 | 3331.2 | 3293.4 | 3180.2 | 3016.5 | 2811.0 | 2769.0 | 2655.7 |
| 40° | 2836.1 | 2966.2 | 3087.8 | 3205.3 | 3293.4 | 3201.1 | 3071.1 | 2911.6 | 2819.4 | 2693.5 | 2659.9 |
| 42.5° | 2785.7 | 2932.6 | 3033.3 | 3163.3 | 3264.0 | 3142.4 | 2991.4 | 2882.3 | 2752.2 | 2668.3 | 2571.8 |
| 44° | 2769.0 | 2903.2 | 2970.3 | 3129.8 | 3213.7 | 3121.4 | 2995.6 | 2882.3 | 2731.2 | 2655.7 | 2571.8 |
| 45° | 2710.2 | 2894.8 | 2966.2 | 3108.8 | 3180.2 | 3104.6 | 2945.2 | 2831.9 | 2722.8 | 2630.6 | 2542.4 |
| 47.5° | 2651.5 | 2777.4 | 2899.0 | 3012.3 | 3062.7 | 3037.5 | 2903.2 | 2764.8 | 2634.8 | 2580.2 | 2496.3 |
| 50° | 2634.8 | 2760.6 | 2873.9 | 2978.7 | 3037.5 | 2987.1 | 2865.5 | 2731.2 | 2580.2 | 2492.1 | 2420.7 |
| 52.5° | 2550.8 | 2706.1 | 2831.9 | 2865.5 | 2941.0 | 2911.6 | 2819.4 | 2672.5 | 2529.8 | 2454.3 | 2395.6 |
| 55° | 2429.1 | 2592.8 | 2764.8 | 2806.8 | 2915.8 | 2869.7 | 2731.2 | 2592.8 | 2471.1 | 2357.8 | 2282.3 |
| 57.5° | 2383.0 | 2542.4 | 2710.2 | 2764.8 | 2831.9 | 2756.4 | 2722.8 | 2576.0 | 2383.0 | 2324.3 | 2206.8 |
| 60° | 2265.6 | 2466.9 | 2605.3 | 2731.2 | 2735.4 | 2714.4 | 2655.7 | 2487.9 | 2328.5 | 2219.4 | 2135.5 |
| 62.5° | 2173.2 | 2362.0 | 2471.1 | 2588.6 | 2659.9 | 2601.1 | 2542.4 | 2387.2 | 2215.2 | 2093.5 | 1997.0 |
| 65° | 2039.0 | 2211.0 | 2303.3 | 2374.6 | 2454.3 | 2446.0 | 2345.2 | 2231.9 | 2051.5 | 1955.1 | 1862.7 |
| 67.5° | 1833.4 | 1984.4 | 2110.3 | 2177.4 | 2227.8 | 2215.2 | 2139.7 | 2059.9 | 1875.3 | 1778.9 | 1711.8 |
| 70° | 1585.9 | 1741.1 | 1820.8 | 1858.6 | 1908.9 | 1934.1 | 1875.3 | 1837.6 | 1674.0 | 1548.1 | 1485.2 |
| 72.5° | 1275.4 | 1376.1 | 1493.5 | 1527.2 | 1548.1 | 1564.9 | 1564.9 | 1531.3 | 1363.5 | 1313.1 | 1204.1 |
| 75° | 939.8 | 1019.5 | 1107.6 | 1107.6 | 1145.4 | 1149.6 | 1158.0 | 1136.9 | 1011.1 | 943.9 | 918.8 |
| 77.5° | 637.7 | 696.4 | 767.7 | 797.1 | 822.3 | 818.1 | 813.9 | 755.2 | 688.0 | 658.7 | 633.5 |
| 80° | 415.4 | 474.1 | 507.6 | 545.4 | 570.6 | 566.4 | 574.7 | 532.9 | 503.4 | 453.1 | 461.5 |
| 82.5° | 247.5 | 293.7 | 327.2 | 373.4 | 373.4 | 386.0 | 386.0 | 373.4 | 344.1 | 318.8 | 318.8 |
| 85° | 117.5 | 155.2 | 176.2 | 205.5 | 222.4 | 226.6 | 201.4 | 172.0 | 142.6 | 130.0 | 142.6 |
| 87.5° | 20.9 | 29.4 | 42.0 | 37.8 | 46.2 | 42.0 | 42.0 | 42.0 | 42.0 | 33.6 | 37.8 |
| 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):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 | 12817.0 |
| 2.5° | 11390.6 | 11600.3 | 11747.2 | 11990.6 | 12410.0 | 12745.7 | 13089.7 | 13345.7 | 13375.0 | 13450.5 |
| 5° | 9632.7 | 9746.0 | 10119.4 | 10606.0 | 10950.1 | 11516.5 | 11881.5 | 12544.4 | 12791.9 | 13056.2 |
| 7.5° | 7522.4 | 7707.0 | 8206.2 | 8533.5 | 9288.7 | 9997.7 | 10731.9 | 11550.0 | 11877.3 | 11915.0 |
| 10° | 6343.5 | 6612.0 | 6951.8 | 7476.2 | 7887.4 | 8676.2 | 9590.8 | 10501.1 | 10866.1 | 10929.1 |
| 12.5° | 5571.5 | 5915.6 | 6368.6 | 6746.2 | 7140.6 | 7828.7 | 8705.5 | 9829.9 | 10303.9 | 10589.3 |
| 15° | 4828.9 | 5185.5 | 5684.8 | 6209.3 | 6557.4 | 7379.8 | 8411.9 | 9678.8 | 10295.6 | 10547.3 |
| 17.5° | 4065.4 | 4396.8 | 4808.0 | 5374.3 | 6075.0 | 6998.0 | 8365.7 | 10182.3 | 10857.7 | 11151.5 |
| 20° | 3410.8 | 3595.4 | 4073.7 | 4657.0 | 5533.8 | 6607.8 | 8382.5 | 10924.9 | 11915.0 | 12045.1 |
| 22.5° | 3154.9 | 3196.9 | 3385.7 | 3922.8 | 4883.5 | 6209.3 | 8680.4 | 11977.9 | 13102.4 | 13530.3 |
| 25° | 2957.8 | 2949.4 | 2999.8 | 3360.6 | 4409.4 | 6054.0 | 8974.1 | 12947.1 | 14419.7 | 14885.4 |
| 27.5° | 2848.7 | 2764.8 | 2769.0 | 3108.8 | 4073.7 | 5802.3 | 9351.6 | 14058.9 | 15913.2 | 16118.9 |
| 30° | 2794.1 | 2777.4 | 2727.0 | 2865.5 | 3708.7 | 5424.7 | 9414.6 | 15153.9 | 16794.3 | 17092.1 |
| 32.5° | 2760.6 | 2597.0 | 2534.0 | 2584.4 | 3364.8 | 5013.5 | 9649.5 | 15875.5 | 17885.1 | 17755.0 |
| 35° | 2592.8 | 2446.0 | 2404.0 | 2454.3 | 3121.4 | 4782.8 | 9494.2 | 16504.8 | 18703.3 | 18921.4 |
| 37.5° | 2529.8 | 2399.8 | 2315.9 | 2273.9 | 2894.8 | 4589.8 | 9414.6 | 17474.0 | 19496.1 | 20020.6 |
| 40° | 2471.1 | 2332.7 | 2231.9 | 2190.0 | 2718.6 | 4333.8 | 9389.3 | 18220.8 | 20410.7 | 20725.4 |
| 42.5° | 2404.0 | 2315.9 | 2202.6 | 2127.1 | 2504.7 | 4077.9 | 9099.9 | 18451.5 | 20691.9 | 21031.6 |
| 44° | 2383.0 | 2248.7 | 2131.3 | 2106.1 | 2420.7 | 3947.9 | 9041.2 | 18661.3 | 20935.2 | 21451.2 |
| 45° | 2362.0 | 2236.1 | 2101.9 | 2068.4 | 2391.4 | 3876.6 | 8961.4 | 18711.6 | 21337.9 | 21434.5 |
| 47.5° | 2303.3 | 2223.6 | 2093.5 | 2001.2 | 2328.5 | 3721.3 | 8722.3 | 18426.3 | 20926.8 | 20943.6 |
| 50° | 2257.2 | 2164.8 | 2030.6 | 1850.2 | 2244.5 | 3591.3 | 8831.3 | 18321.4 | 19936.7 | 19974.4 |
| 52.5° | 2206.8 | 2068.4 | 1992.8 | 1682.3 | 2106.1 | 3482.2 | 9062.1 | 18795.5 | 20049.9 | 20041.5 |
| 55° | 2148.1 | 1997.0 | 1812.4 | 1539.7 | 1875.3 | 3343.7 | 9620.1 | 19731.1 | 21098.8 | 21241.5 |
| 57.5° | 2055.7 | 1925.7 | 1661.4 | 1413.9 | 1611.0 | 3079.4 | 9439.7 | 17939.6 | 19412.2 | 19437.4 |
| 60° | 1934.1 | 1812.4 | 1506.1 | 1317.3 | 1321.5 | 2429.1 | 8441.2 | 13979.2 | 15317.6 | 15682.5 |
| 62.5° | 1816.6 | 1749.5 | 1376.1 | 1178.9 | 1124.4 | 1934.1 | 7136.4 | 11617.2 | 13148.4 | 13450.5 |
| 65° | 1678.1 | 1514.6 | 1262.8 | 1074.0 | 965.0 | 1355.1 | 5055.5 | 8680.4 | 10257.8 | 10664.8 |
| 67.5° | 1501.9 | 1325.8 | 1111.8 | 943.9 | 826.5 | 906.2 | 2609.5 | 4933.8 | 6532.3 | 6771.4 |
| 70° | 1313.1 | 1149.6 | 935.6 | 797.1 | 667.1 | 625.1 | 1149.6 | 2353.6 | 3570.3 | 3817.8 |
| 72.5° | 1078.2 | 927.2 | 746.8 | 629.3 | 499.2 | 432.1 | 386.0 | 629.3 | 1267.1 | 1472.6 |
| 75° | 780.4 | 675.5 | 562.2 | 448.9 | 352.4 | 276.9 | 226.6 | 188.8 | 209.7 | 226.6 |
| 77.5° | 574.7 | 490.9 | 415.4 | 318.8 | 247.5 | 197.2 | 155.2 | 117.5 | 113.3 | 109.1 |
| 80° | 448.9 | 398.5 | 331.4 | 255.9 | 193.0 | 146.8 | 109.1 | 79.7 | 71.3 | 71.3 |
| 82.5° | 352.4 | 327.2 | 272.7 | 209.7 | 159.5 | 117.5 | 79.7 | 54.6 | 46.2 | 46.2 |
| 85° | 134.2 | 134.2 | 197.2 | 172.0 | 121.7 | 83.9 | 54.6 | 29.4 | 25.1 | 25.1 |
| 87.5° | 33.6 | 33.6 | 33.6 | 33.6 | 29.4 | 25.1 | 25.1 | 12.6 | 8.4 | 8.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)