

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: P528678

Luminaire Tested: **GLAN-SA3D-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528678
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-SA3D-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 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: 16022 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

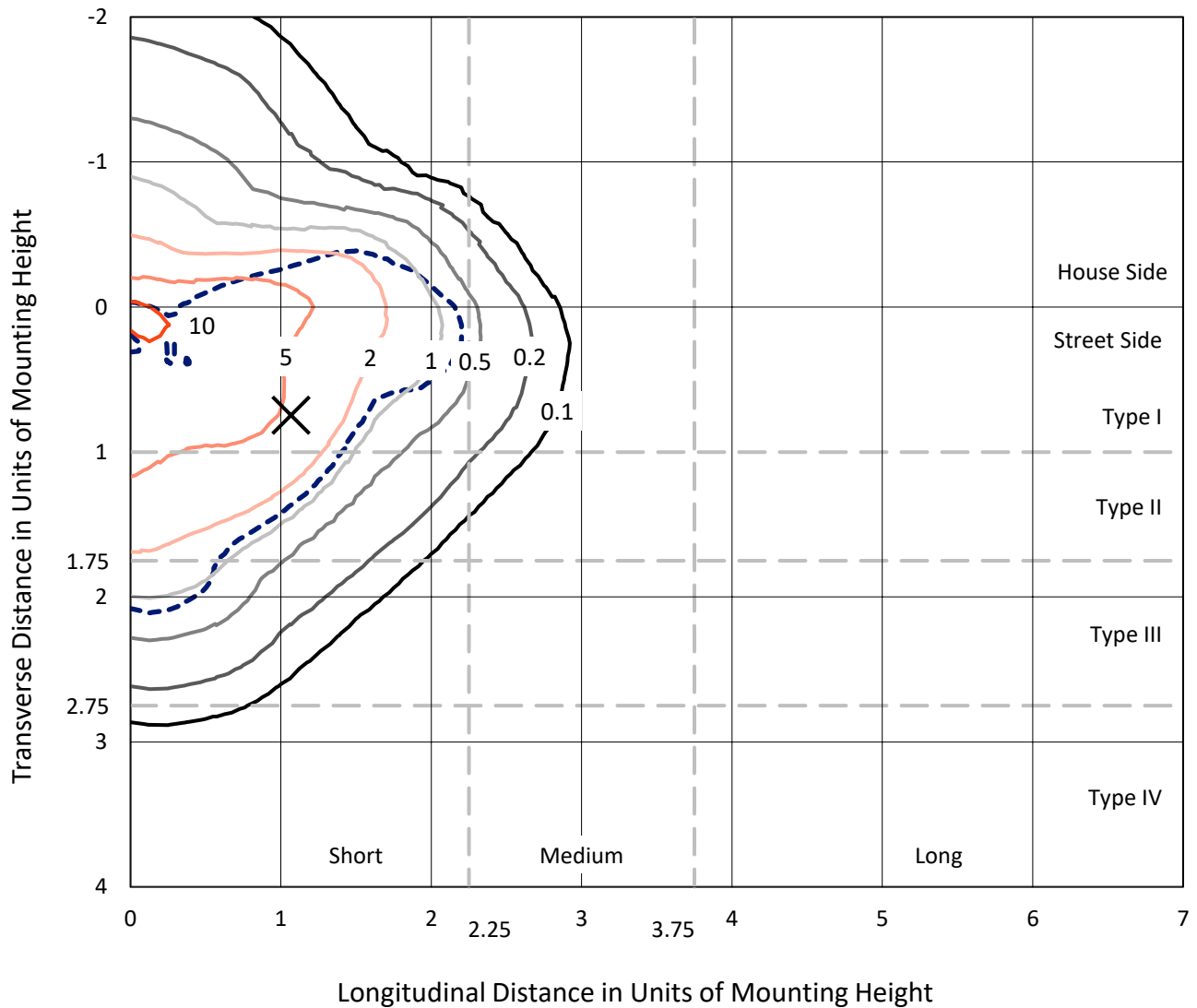
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

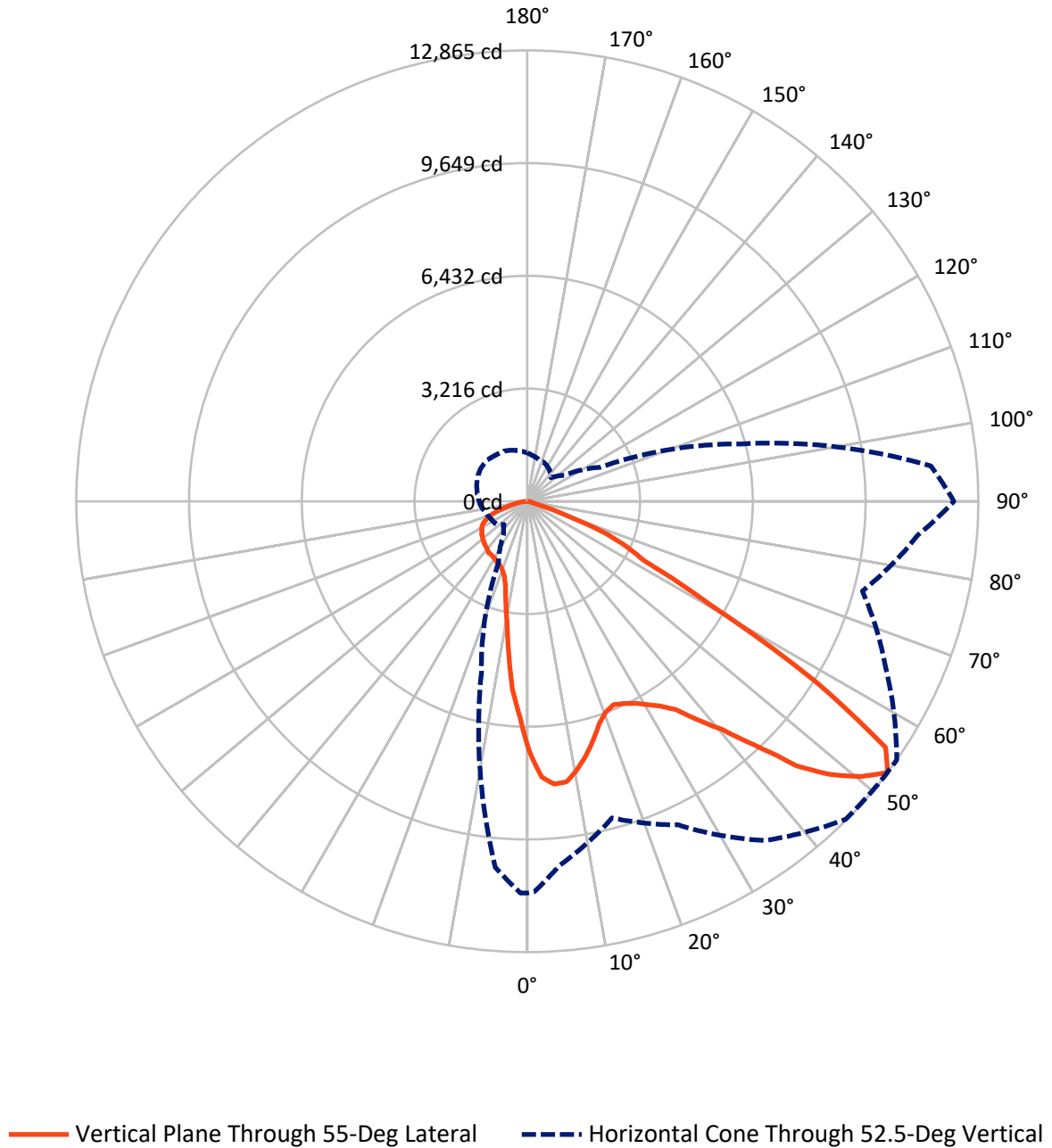
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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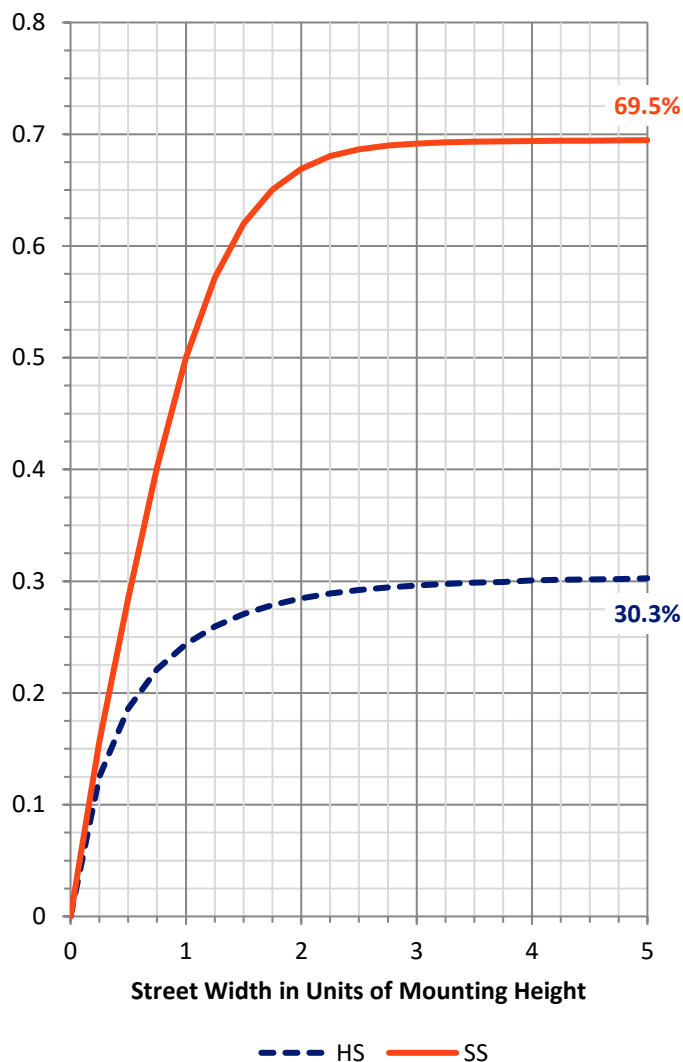
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4887.6 | 0.0 | 4887.6 |
| | % Fixture | 30.5 | 0.0 | 30.5 |
| Street Side | Lumens | 11134.4 | 0.0 | 11134.4 |
| | % Fixture | 69.5 | 0.0 | 69.5 |
| Total | Lumens | 16022.0 | 0.0 | 16022.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 546.0 | 3.4 |
| 10°-20° | 1177.3 | 7.3 |
| 20°-30° | 1785.2 | 11.1 |
| 30°-40° | 2579.3 | 16.1 |
| 40°-50° | 3446.6 | 21.5 |
| 50°-60° | 3847.2 | 24.0 |
| 60°-70° | 2110.4 | 13.2 |
| 70°-80° | 456.3 | 2.8 |
| 80°-90° | 73.8 | 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° | 16022.0 | 100.0 |
| 0°-180° | 16022.0 | 100.0 |

Coefficient of Utilization



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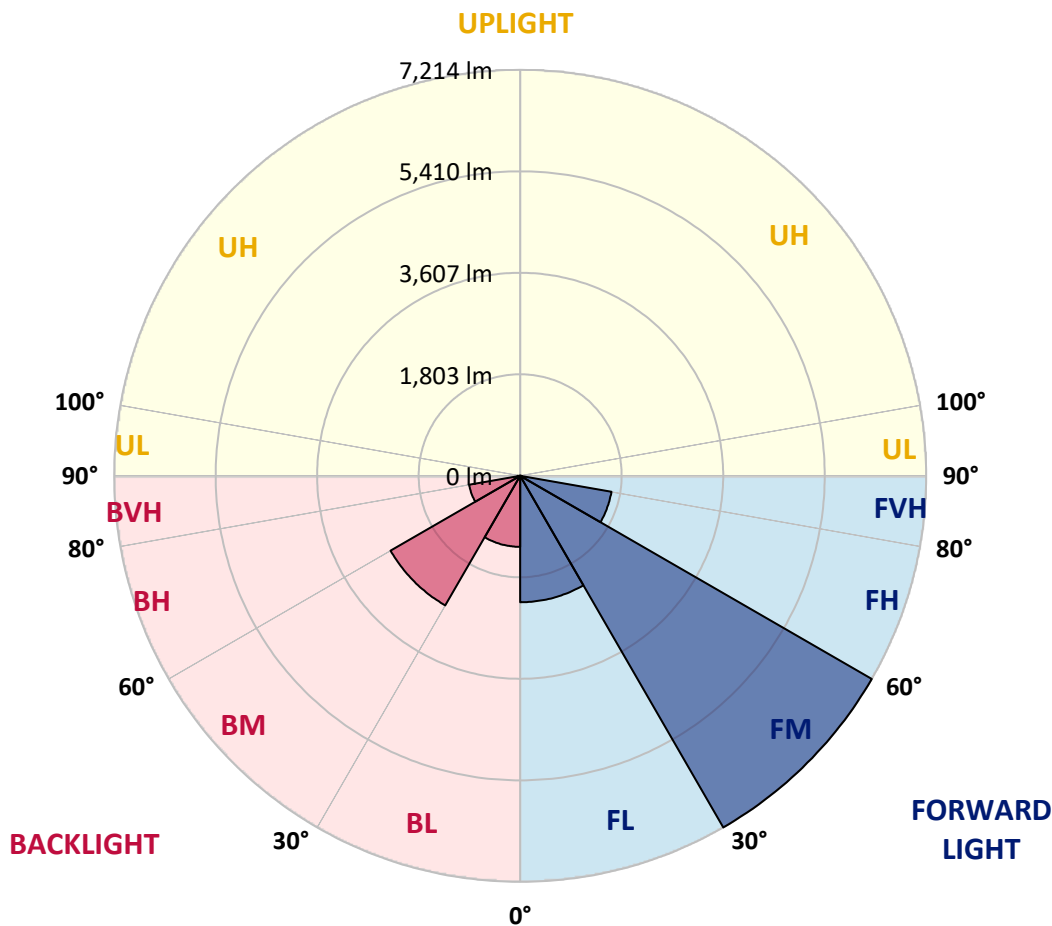
CATALOG NUMBER: GLAN-SA3D-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2246.6 | 14.0 | | | |
| FM (30°-60°) | 7213.9 | 45.0 | | | |
| FH (60°-80°) | 1646.7 | 10.3 | | | G1/1800 |
| FVH (80°-90°) | 27.3 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1261.9 | 7.9 | B3/2500 | | |
| BM (30°-60°) | 2659.2 | 16.6 | B3/5000 | | |
| BH (60°-80°) | 920.0 | 5.7 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 46.5 | 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-G2

Type II Short





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CATALOG NUMBER: GLAN-SA3D-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|---------|---------|---------|---------|---------|--------|---------|
| 0° | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 |
| 2.5° | 7500.3 | 7458.2 | 7495.6 | 7673.4 | 7776.4 | 7846.6 | 7891.0 | 7884.0 | 7715.5 | 7551.8 | 7551.8 |
| 5° | 7280.4 | 7226.6 | 7303.8 | 7706.2 | 8110.9 | 8146.0 | 8204.5 | 8108.6 | 7860.6 | 7561.1 | 7186.8 |
| 7.5° | 6644.1 | 6683.8 | 6812.5 | 7341.2 | 7867.6 | 8132.0 | 8202.1 | 8080.5 | 7678.1 | 7119.0 | 6569.2 |
| 10° | 6094.3 | 6187.9 | 6485.0 | 7055.8 | 7540.1 | 7884.0 | 7961.2 | 7790.4 | 7472.2 | 6786.8 | 6295.5 |
| 12.5° | 5904.8 | 5846.3 | 6176.2 | 6747.0 | 7210.2 | 7395.0 | 7430.1 | 7441.8 | 7226.6 | 6618.3 | 6019.4 |
| 15° | 5881.4 | 5918.8 | 6176.2 | 6609.0 | 6894.4 | 6903.7 | 6962.2 | 7053.5 | 7081.5 | 6733.0 | 6148.1 |
| 17.5° | 6218.3 | 6173.8 | 6438.2 | 6782.1 | 6646.4 | 6510.7 | 6524.8 | 6655.8 | 6887.4 | 6831.2 | 6552.8 |
| 20° | 6716.6 | 6817.2 | 7025.4 | 6990.3 | 6625.4 | 6281.5 | 6283.8 | 6407.8 | 6864.0 | 7238.3 | 7116.6 |
| 22.5° | 7544.8 | 7643.0 | 7797.4 | 7374.0 | 6625.4 | 6213.6 | 6134.1 | 6302.5 | 7013.7 | 7722.6 | 7753.0 |
| 25° | 8300.4 | 8480.5 | 8522.7 | 8024.3 | 6957.6 | 6276.8 | 6225.3 | 6391.4 | 7163.4 | 8195.1 | 8482.9 |
| 27.5° | 8988.2 | 9053.7 | 9238.5 | 8443.1 | 7142.4 | 6318.9 | 6314.2 | 6527.1 | 7352.9 | 8431.4 | 9135.6 |
| 30° | 9531.0 | 9523.9 | 9629.2 | 8707.5 | 7437.1 | 6555.2 | 6328.2 | 6730.6 | 7600.9 | 8822.1 | 9739.2 |
| 32.5° | 9900.6 | 9980.1 | 10202.4 | 9074.8 | 7561.1 | 6779.8 | 6602.0 | 6969.3 | 7902.7 | 9006.9 | 10165.0 |
| 35° | 10551.0 | 10689.0 | 10408.3 | 9278.3 | 7954.2 | 7002.0 | 6793.8 | 7294.4 | 8052.4 | 9208.1 | 10686.7 |
| 37.5° | 11163.9 | 11058.6 | 10773.2 | 9388.3 | 8209.2 | 7413.7 | 7219.6 | 7923.8 | 8518.0 | 9645.6 | 11032.9 |
| 40° | 11556.9 | 11554.6 | 11046.9 | 9477.2 | 8389.3 | 8043.1 | 8031.4 | 8562.4 | 9088.8 | 9921.7 | 11421.2 |
| 42.5° | 11727.7 | 11891.5 | 11159.2 | 9467.8 | 8768.3 | 8805.7 | 9042.0 | 9516.9 | 9493.5 | 9977.8 | 11411.9 |
| 44° | 11961.7 | 12059.9 | 11353.4 | 9488.9 | 9021.0 | 9320.4 | 9877.2 | 10179.0 | 9846.8 | 9947.4 | 11400.2 |
| 45° | 11952.3 | 11959.3 | 11077.3 | 9516.9 | 9236.2 | 9750.9 | 10249.2 | 10759.2 | 10157.9 | 9881.9 | 11554.6 |
| 47.5° | 11678.6 | 11599.0 | 10843.4 | 9308.7 | 9907.6 | 10887.8 | 11348.7 | 11657.5 | 10541.6 | 9741.5 | 11362.8 |
| 50° | 11138.2 | 11046.9 | 10274.9 | 9219.8 | 10048.0 | 11594.4 | 12230.7 | 12343.0 | 10890.2 | 9603.5 | 11173.3 |
| 52.5° | 11175.6 | 11149.9 | 10436.3 | 9353.2 | 10188.3 | 11816.6 | 12836.6 | 12864.7 | 11285.6 | 9893.6 | 11175.6 |
| 55° | 11844.7 | 11755.8 | 10899.5 | 9519.3 | 10085.4 | 11556.9 | 12450.6 | 12401.5 | 11152.2 | 9718.1 | 11381.5 |
| 57.5° | 10838.7 | 10897.2 | 10258.5 | 8861.9 | 8826.8 | 9395.3 | 9788.3 | 9666.7 | 9306.4 | 8770.6 | 10588.4 |
| 60° | 8744.9 | 8911.0 | 8971.8 | 7411.4 | 6660.4 | 6368.0 | 6251.0 | 6035.8 | 6096.6 | 7205.5 | 9301.7 |
| 62.5° | 7500.3 | 7491.0 | 7872.3 | 6718.9 | 4363.1 | 3752.5 | 3696.3 | 3745.5 | 4447.3 | 7093.2 | 9109.9 |
| 65° | 5946.9 | 6106.0 | 6223.0 | 5694.2 | 3453.0 | 2786.3 | 2784.0 | 3095.1 | 3848.4 | 5928.2 | 7355.3 |
| 67.5° | 3775.9 | 3984.1 | 4129.1 | 3642.5 | 2309.0 | 1983.9 | 1930.1 | 2304.4 | 2667.0 | 3888.2 | 4428.6 |
| 70° | 2128.9 | 2227.2 | 2292.7 | 2100.8 | 1469.2 | 1029.4 | 968.5 | 1057.4 | 1611.9 | 2517.3 | 2624.9 |
| 72.5° | 821.2 | 865.6 | 954.5 | 961.5 | 554.5 | 332.2 | 269.0 | 322.8 | 678.4 | 996.6 | 949.8 |
| 75° | 126.3 | 135.7 | 191.8 | 229.3 | 159.1 | 121.7 | 128.7 | 133.3 | 189.5 | 257.3 | 215.2 |
| 77.5° | 60.8 | 60.8 | 58.5 | 67.8 | 79.5 | 86.6 | 93.6 | 102.9 | 112.3 | 124.0 | 119.3 |
| 80° | 39.8 | 39.8 | 39.8 | 46.8 | 58.5 | 70.2 | 79.5 | 84.2 | 88.9 | 98.3 | 93.6 |
| 82.5° | 25.7 | 25.7 | 25.7 | 35.1 | 46.8 | 58.5 | 63.2 | 74.9 | 84.2 | 98.3 | 91.2 |
| 85° | 14.0 | 14.0 | 14.0 | 23.4 | 35.1 | 49.1 | 46.8 | 37.4 | 21.1 | 2.3 | 4.7 |
| 87.5° | 4.7 | 4.7 | 4.7 | 4.7 | 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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CATALOG NUMBER: GLAN-SA3D-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 |
| 2.5° | 7355.3 | 7247.6 | 7238.3 | 7018.4 | 6821.9 | 6725.9 | 6648.7 | 6433.5 | 6480.3 | 6356.3 | 6354.0 |
| 5° | 6999.7 | 6779.8 | 6424.2 | 6131.7 | 5839.3 | 5780.8 | 5525.8 | 5303.6 | 5310.6 | 5151.5 | 5179.6 |
| 7.5° | 6361.0 | 6208.9 | 5776.1 | 5317.6 | 4929.2 | 4653.2 | 4412.2 | 4267.2 | 4082.4 | 4019.2 | 3986.4 |
| 10° | 5956.3 | 5769.1 | 5282.5 | 4707.0 | 4271.9 | 4124.5 | 3892.9 | 3764.2 | 3574.7 | 3481.1 | 3415.6 |
| 12.5° | 5778.5 | 5504.8 | 4896.5 | 4311.6 | 4021.5 | 3869.5 | 3673.0 | 3439.0 | 3214.4 | 3127.9 | 3008.5 |
| 15° | 5797.2 | 5469.7 | 4784.2 | 4152.5 | 3804.0 | 3509.2 | 3333.7 | 3074.1 | 2844.8 | 2692.7 | 2606.2 |
| 17.5° | 6080.3 | 5682.5 | 4835.7 | 4030.9 | 3530.2 | 3160.6 | 2816.7 | 2536.0 | 2353.5 | 2238.9 | 2210.8 |
| 20° | 6749.3 | 6208.9 | 4922.2 | 3834.4 | 3256.5 | 2795.7 | 2372.2 | 2079.8 | 1939.4 | 1937.1 | 1939.4 |
| 22.5° | 7306.1 | 6770.4 | 5097.7 | 3717.4 | 2982.8 | 2327.8 | 1906.7 | 1813.1 | 1785.0 | 1843.5 | 1850.5 |
| 25° | 8057.1 | 7402.1 | 5399.5 | 3656.6 | 2730.2 | 1983.9 | 1724.2 | 1689.1 | 1686.8 | 1761.6 | 1764.0 |
| 27.5° | 8826.8 | 7954.2 | 5579.6 | 3478.8 | 2472.8 | 1806.1 | 1614.2 | 1607.2 | 1644.6 | 1724.2 | 1717.2 |
| 30° | 9350.8 | 8417.4 | 5904.8 | 3265.9 | 2168.7 | 1649.3 | 1569.8 | 1579.1 | 1630.6 | 1691.4 | 1700.8 |
| 32.5° | 9961.4 | 8873.6 | 5989.0 | 3148.9 | 1981.5 | 1518.3 | 1462.2 | 1483.2 | 1548.7 | 1644.6 | 1696.1 |
| 35° | 10660.9 | 9196.4 | 6117.7 | 2989.8 | 1911.3 | 1417.7 | 1389.6 | 1413.0 | 1492.6 | 1555.7 | 1611.9 |
| 37.5° | 11177.9 | 9767.2 | 6141.1 | 2865.8 | 1834.1 | 1361.6 | 1317.1 | 1394.3 | 1441.1 | 1530.0 | 1558.1 |
| 40° | 11561.6 | 10181.3 | 6201.9 | 2788.6 | 1773.3 | 1289.0 | 1289.0 | 1340.5 | 1403.7 | 1485.6 | 1541.7 |
| 42.5° | 11807.3 | 10483.1 | 6246.4 | 2718.5 | 1656.3 | 1268.0 | 1256.3 | 1307.8 | 1392.0 | 1471.5 | 1497.3 |
| 44° | 11957.0 | 10611.8 | 6201.9 | 2652.9 | 1623.6 | 1242.3 | 1242.3 | 1286.7 | 1352.2 | 1445.8 | 1476.2 |
| 45° | 11994.4 | 10773.2 | 6103.7 | 2650.6 | 1583.8 | 1211.8 | 1207.2 | 1291.4 | 1335.8 | 1450.5 | 1469.2 |
| 47.5° | 12139.5 | 10972.1 | 6115.3 | 2575.7 | 1487.9 | 1139.3 | 1221.2 | 1258.6 | 1298.4 | 1399.0 | 1462.2 |
| 50° | 12134.8 | 11096.1 | 6089.6 | 2465.8 | 1417.7 | 1057.4 | 1193.1 | 1235.2 | 1275.0 | 1377.9 | 1403.7 |
| 52.5° | 12167.5 | 11559.3 | 6325.9 | 2290.3 | 1291.4 | 952.2 | 1099.5 | 1193.1 | 1242.3 | 1328.8 | 1382.6 |
| 55° | 12151.2 | 11823.6 | 6559.8 | 2159.3 | 1113.6 | 889.0 | 1020.0 | 1130.0 | 1200.1 | 1291.4 | 1317.1 |
| 57.5° | 11098.4 | 10450.4 | 6070.9 | 1913.7 | 921.7 | 814.1 | 907.7 | 1064.5 | 1153.4 | 1246.9 | 1279.7 |
| 60° | 9067.7 | 8054.8 | 5006.4 | 1408.4 | 758.0 | 748.6 | 844.5 | 1043.4 | 1080.8 | 1162.7 | 1218.9 |
| 62.5° | 8379.9 | 7065.2 | 3970.1 | 1076.2 | 648.0 | 685.5 | 779.0 | 942.8 | 1001.3 | 1101.9 | 1153.4 |
| 65° | 6557.5 | 4693.0 | 2458.8 | 727.6 | 570.8 | 615.3 | 704.2 | 825.8 | 921.7 | 1015.3 | 1076.2 |
| 67.5° | 3883.5 | 2564.0 | 1216.5 | 510.0 | 498.3 | 545.1 | 636.3 | 727.6 | 837.5 | 940.5 | 970.9 |
| 70° | 2114.9 | 1261.0 | 519.4 | 388.4 | 423.4 | 465.6 | 554.5 | 617.6 | 722.9 | 802.4 | 853.9 |
| 72.5° | 678.4 | 383.7 | 259.7 | 287.8 | 322.8 | 372.0 | 425.8 | 503.0 | 577.8 | 624.6 | 666.7 |
| 75° | 163.8 | 161.4 | 184.8 | 201.2 | 233.9 | 271.4 | 315.8 | 355.6 | 414.1 | 458.5 | 496.0 |
| 77.5° | 114.6 | 124.0 | 142.7 | 166.1 | 177.8 | 191.8 | 219.9 | 250.3 | 276.1 | 308.8 | 332.2 |
| 80° | 88.9 | 95.9 | 110.0 | 121.7 | 133.3 | 145.0 | 159.1 | 170.8 | 187.2 | 208.2 | 219.9 |
| 82.5° | 84.2 | 88.9 | 102.9 | 110.0 | 105.3 | 102.9 | 112.3 | 117.0 | 119.3 | 126.3 | 133.3 |
| 85° | 7.0 | 0.0 | 4.7 | 16.4 | 39.8 | 58.5 | 63.2 | 63.2 | 60.8 | 65.5 | 65.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 9.4 | 7.0 |
| 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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CATALOG NUMBER: GLAN-SA3D-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 |
| 2.5° | 6325.9 | 6246.4 | 6276.8 | 6314.2 | 6260.4 | 6136.4 | 6169.2 | 6155.1 | 6281.5 | 6272.1 | 6398.4 |
| 5° | 5303.6 | 5179.6 | 5193.6 | 5376.1 | 5317.6 | 5380.8 | 5254.4 | 5238.1 | 5261.4 | 5273.1 | 5294.2 |
| 7.5° | 4059.0 | 4042.6 | 4183.0 | 4337.4 | 4409.9 | 4335.0 | 4211.0 | 4183.0 | 4157.2 | 4105.8 | 4222.7 |
| 10° | 3312.7 | 3317.4 | 3308.0 | 3425.0 | 3506.9 | 3490.5 | 3415.6 | 3406.3 | 3357.1 | 3338.4 | 3403.9 |
| 12.5° | 2957.1 | 2893.9 | 2863.5 | 2826.1 | 2889.2 | 2931.3 | 2898.6 | 2875.2 | 2877.5 | 2900.9 | 2910.3 |
| 15° | 2613.2 | 2573.4 | 2507.9 | 2465.8 | 2496.2 | 2475.1 | 2463.5 | 2510.2 | 2498.5 | 2493.9 | 2550.0 |
| 17.5° | 2227.2 | 2259.9 | 2255.2 | 2208.5 | 2248.2 | 2231.8 | 2229.5 | 2196.8 | 2152.3 | 2119.6 | 2138.3 |
| 20° | 1972.2 | 2033.0 | 2079.8 | 2082.1 | 2103.2 | 2100.8 | 2065.7 | 1965.1 | 1932.4 | 1925.4 | 1930.1 |
| 22.5° | 1880.9 | 1913.7 | 1969.8 | 2049.4 | 2049.4 | 2011.9 | 1969.8 | 1852.9 | 1822.4 | 1789.7 | 1775.7 |
| 25° | 1808.4 | 1871.6 | 1944.1 | 1953.4 | 1990.9 | 1955.8 | 1887.9 | 1829.5 | 1766.3 | 1721.8 | 1721.8 |
| 27.5° | 1771.0 | 1841.2 | 1895.0 | 1911.3 | 1962.8 | 1934.7 | 1864.5 | 1789.7 | 1714.8 | 1712.5 | 1672.7 |
| 30° | 1754.6 | 1820.1 | 1855.2 | 1895.0 | 1918.4 | 1873.9 | 1852.9 | 1773.3 | 1698.4 | 1679.7 | 1614.2 |
| 32.5° | 1705.5 | 1799.0 | 1864.5 | 1855.2 | 1873.9 | 1855.2 | 1824.8 | 1759.3 | 1675.1 | 1632.9 | 1625.9 |
| 35° | 1649.3 | 1742.9 | 1813.1 | 1862.2 | 1873.9 | 1834.1 | 1815.4 | 1726.5 | 1611.9 | 1590.8 | 1518.3 |
| 37.5° | 1618.9 | 1675.1 | 1761.6 | 1841.2 | 1857.5 | 1836.5 | 1773.3 | 1682.1 | 1567.4 | 1544.0 | 1480.9 |
| 40° | 1581.5 | 1654.0 | 1721.8 | 1787.3 | 1836.5 | 1785.0 | 1712.5 | 1623.6 | 1572.1 | 1501.9 | 1483.2 |
| 42.5° | 1553.4 | 1635.3 | 1691.4 | 1764.0 | 1820.1 | 1752.3 | 1668.0 | 1607.2 | 1534.7 | 1487.9 | 1434.1 |
| 44° | 1544.0 | 1618.9 | 1656.3 | 1745.2 | 1792.0 | 1740.6 | 1670.4 | 1607.2 | 1523.0 | 1480.9 | 1434.1 |
| 45° | 1511.3 | 1614.2 | 1654.0 | 1733.5 | 1773.3 | 1731.2 | 1642.3 | 1579.1 | 1518.3 | 1466.8 | 1417.7 |
| 47.5° | 1478.5 | 1548.7 | 1616.6 | 1679.7 | 1707.8 | 1693.8 | 1618.9 | 1541.7 | 1469.2 | 1438.8 | 1392.0 |
| 50° | 1469.2 | 1539.4 | 1602.5 | 1661.0 | 1693.8 | 1665.7 | 1597.9 | 1523.0 | 1438.8 | 1389.6 | 1349.9 |
| 52.5° | 1422.4 | 1509.0 | 1579.1 | 1597.9 | 1640.0 | 1623.6 | 1572.1 | 1490.2 | 1410.7 | 1368.6 | 1335.8 |
| 55° | 1354.5 | 1445.8 | 1541.7 | 1565.1 | 1625.9 | 1600.2 | 1523.0 | 1445.8 | 1377.9 | 1314.8 | 1272.7 |
| 57.5° | 1328.8 | 1417.7 | 1511.3 | 1541.7 | 1579.1 | 1537.0 | 1518.3 | 1436.4 | 1328.8 | 1296.1 | 1230.6 |
| 60° | 1263.3 | 1375.6 | 1452.8 | 1523.0 | 1525.3 | 1513.6 | 1480.9 | 1387.3 | 1298.4 | 1237.6 | 1190.8 |
| 62.5° | 1211.8 | 1317.1 | 1377.9 | 1443.4 | 1483.2 | 1450.5 | 1417.7 | 1331.2 | 1235.2 | 1167.4 | 1113.6 |
| 65° | 1137.0 | 1232.9 | 1284.4 | 1324.1 | 1368.6 | 1363.9 | 1307.8 | 1244.6 | 1144.0 | 1090.2 | 1038.7 |
| 67.5° | 1022.3 | 1106.6 | 1176.7 | 1214.2 | 1242.3 | 1235.2 | 1193.1 | 1148.7 | 1045.7 | 991.9 | 954.5 |
| 70° | 884.3 | 970.9 | 1015.3 | 1036.4 | 1064.5 | 1078.5 | 1045.7 | 1024.7 | 933.4 | 863.3 | 828.2 |
| 72.5° | 711.2 | 767.3 | 832.8 | 851.6 | 863.3 | 872.6 | 872.6 | 853.9 | 760.3 | 732.3 | 671.4 |
| 75° | 524.0 | 568.5 | 617.6 | 617.6 | 638.7 | 641.0 | 645.7 | 634.0 | 563.8 | 526.4 | 512.3 |
| 77.5° | 355.6 | 388.4 | 428.1 | 444.5 | 458.5 | 456.2 | 453.9 | 421.1 | 383.7 | 367.3 | 353.3 |
| 80° | 231.6 | 264.4 | 283.1 | 304.1 | 318.2 | 315.8 | 320.5 | 297.1 | 280.7 | 252.7 | 257.3 |
| 82.5° | 138.0 | 163.8 | 182.5 | 208.2 | 208.2 | 215.2 | 215.2 | 208.2 | 191.8 | 177.8 | 177.8 |
| 85° | 65.5 | 86.6 | 98.3 | 114.6 | 124.0 | 126.3 | 112.3 | 95.9 | 79.5 | 72.5 | 79.5 |
| 87.5° | 11.7 | 16.4 | 23.4 | 21.1 | 25.7 | 23.4 | 23.4 | 23.4 | 23.4 | 18.7 | 21.1 |
| 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° | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 | 7147.1 |
| 2.5° | 6351.6 | 6468.6 | 6550.5 | 6686.2 | 6920.1 | 7107.3 | 7299.1 | 7441.8 | 7458.2 | 7500.3 |
| 5° | 5371.4 | 5434.6 | 5642.8 | 5914.2 | 6106.0 | 6421.8 | 6625.4 | 6995.0 | 7133.0 | 7280.4 |
| 7.5° | 4194.7 | 4297.6 | 4576.0 | 4758.5 | 5179.6 | 5574.9 | 5984.3 | 6440.5 | 6623.0 | 6644.1 |
| 10° | 3537.3 | 3687.0 | 3876.5 | 4168.9 | 4398.2 | 4838.0 | 5348.0 | 5855.7 | 6059.2 | 6094.3 |
| 12.5° | 3106.8 | 3298.6 | 3551.3 | 3761.9 | 3981.8 | 4365.4 | 4854.4 | 5481.4 | 5745.7 | 5904.8 |
| 15° | 2692.7 | 2891.6 | 3170.0 | 3462.4 | 3656.6 | 4115.1 | 4690.6 | 5397.1 | 5741.0 | 5881.4 |
| 17.5° | 2266.9 | 2451.8 | 2681.0 | 2996.8 | 3387.5 | 3902.2 | 4664.9 | 5677.9 | 6054.5 | 6218.3 |
| 20° | 1902.0 | 2004.9 | 2271.6 | 2596.8 | 3085.7 | 3684.7 | 4674.2 | 6092.0 | 6644.1 | 6716.6 |
| 22.5° | 1759.3 | 1782.7 | 1887.9 | 2187.4 | 2723.1 | 3462.4 | 4840.3 | 6679.2 | 7306.1 | 7544.8 |
| 25° | 1649.3 | 1644.6 | 1672.7 | 1873.9 | 2458.8 | 3375.8 | 5004.1 | 7219.6 | 8040.7 | 8300.4 |
| 27.5° | 1588.5 | 1541.7 | 1544.0 | 1733.5 | 2271.6 | 3235.5 | 5214.7 | 7839.5 | 8873.6 | 8988.2 |
| 30° | 1558.1 | 1548.7 | 1520.6 | 1597.9 | 2068.1 | 3024.9 | 5249.7 | 8450.1 | 9364.9 | 9531.0 |
| 32.5° | 1539.4 | 1448.1 | 1413.0 | 1441.1 | 1876.2 | 2795.7 | 5380.8 | 8852.5 | 9973.1 | 9900.6 |
| 35° | 1445.8 | 1363.9 | 1340.5 | 1368.6 | 1740.6 | 2667.0 | 5294.2 | 9203.4 | 10429.3 | 10551.0 |
| 37.5° | 1410.7 | 1338.2 | 1291.4 | 1268.0 | 1614.2 | 2559.4 | 5249.7 | 9743.9 | 10871.5 | 11163.9 |
| 40° | 1377.9 | 1300.7 | 1244.6 | 1221.2 | 1516.0 | 2416.7 | 5235.7 | 10160.3 | 11381.5 | 11556.9 |
| 42.5° | 1340.5 | 1291.4 | 1228.2 | 1186.1 | 1396.7 | 2274.0 | 5074.3 | 10288.9 | 11538.2 | 11727.7 |
| 44° | 1328.8 | 1254.0 | 1188.4 | 1174.4 | 1349.9 | 2201.4 | 5041.5 | 10405.9 | 11673.9 | 11961.7 |
| 45° | 1317.1 | 1246.9 | 1172.1 | 1153.4 | 1333.5 | 2161.7 | 4997.1 | 10434.0 | 11898.5 | 11952.3 |
| 47.5° | 1284.4 | 1239.9 | 1167.4 | 1115.9 | 1298.4 | 2075.1 | 4863.7 | 10274.9 | 11669.2 | 11678.6 |
| 50° | 1258.6 | 1207.2 | 1132.3 | 1031.7 | 1251.6 | 2002.6 | 4924.6 | 10216.4 | 11117.1 | 11138.2 |
| 52.5° | 1230.6 | 1153.4 | 1111.2 | 938.1 | 1174.4 | 1941.8 | 5053.2 | 10480.8 | 11180.3 | 11175.6 |
| 55° | 1197.8 | 1113.6 | 1010.6 | 858.6 | 1045.7 | 1864.5 | 5364.4 | 11002.5 | 11765.1 | 11844.7 |
| 57.5° | 1146.3 | 1073.8 | 926.4 | 788.4 | 898.4 | 1717.2 | 5263.8 | 10003.5 | 10824.7 | 10838.7 |
| 60° | 1078.5 | 1010.6 | 839.9 | 734.6 | 736.9 | 1354.5 | 4707.0 | 7795.1 | 8541.4 | 8744.9 |
| 62.5° | 1013.0 | 975.6 | 767.3 | 657.4 | 627.0 | 1078.5 | 3979.4 | 6478.0 | 7331.9 | 7500.3 |
| 65° | 935.8 | 844.5 | 704.2 | 598.9 | 538.1 | 755.6 | 2819.0 | 4840.3 | 5720.0 | 5946.9 |
| 67.5° | 837.5 | 739.3 | 620.0 | 526.4 | 460.9 | 505.3 | 1455.1 | 2751.2 | 3642.5 | 3775.9 |
| 70° | 732.3 | 641.0 | 521.7 | 444.5 | 372.0 | 348.6 | 641.0 | 1312.4 | 1990.9 | 2128.9 |
| 72.5° | 601.2 | 517.0 | 416.4 | 350.9 | 278.4 | 241.0 | 215.2 | 350.9 | 706.5 | 821.2 |
| 75° | 435.1 | 376.7 | 313.5 | 250.3 | 196.5 | 154.4 | 126.3 | 105.3 | 117.0 | 126.3 |
| 77.5° | 320.5 | 273.7 | 231.6 | 177.8 | 138.0 | 110.0 | 86.6 | 65.5 | 63.2 | 60.8 |
| 80° | 250.3 | 222.2 | 184.8 | 142.7 | 107.6 | 81.9 | 60.8 | 44.4 | 39.8 | 39.8 |
| 82.5° | 196.5 | 182.5 | 152.1 | 117.0 | 88.9 | 65.5 | 44.4 | 30.4 | 25.7 | 25.7 |
| 85° | 74.9 | 74.9 | 110.0 | 95.9 | 67.8 | 46.8 | 30.4 | 16.4 | 14.0 | 14.0 |
| 87.5° | 18.7 | 18.7 | 18.7 | 18.7 | 16.4 | 14.0 | 14.0 | 7.0 | 4.7 | 4.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)