

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: P530758

Luminaire Tested: **GALN-SA6A-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530758
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-SA6A-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 18393 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

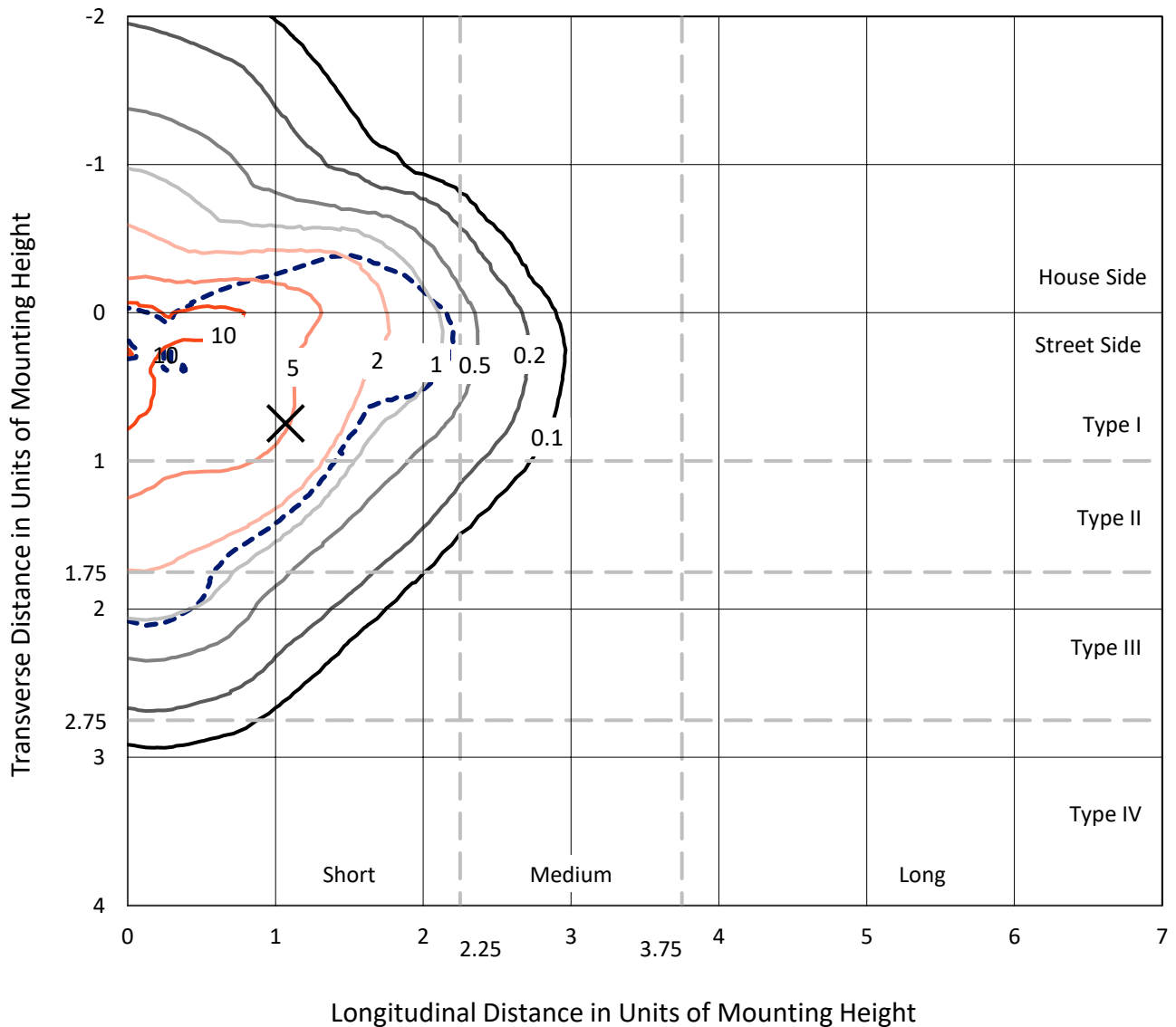
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

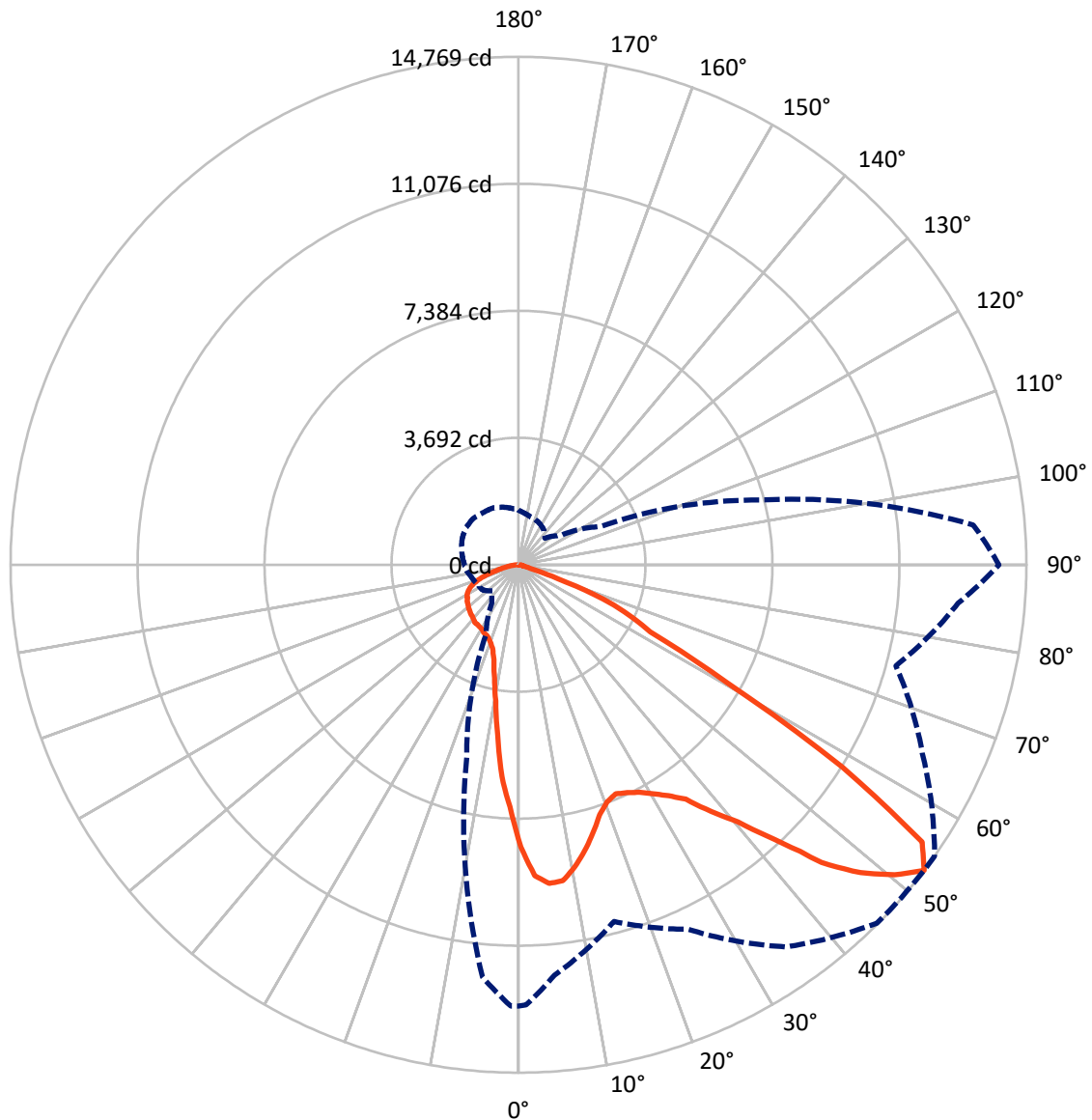
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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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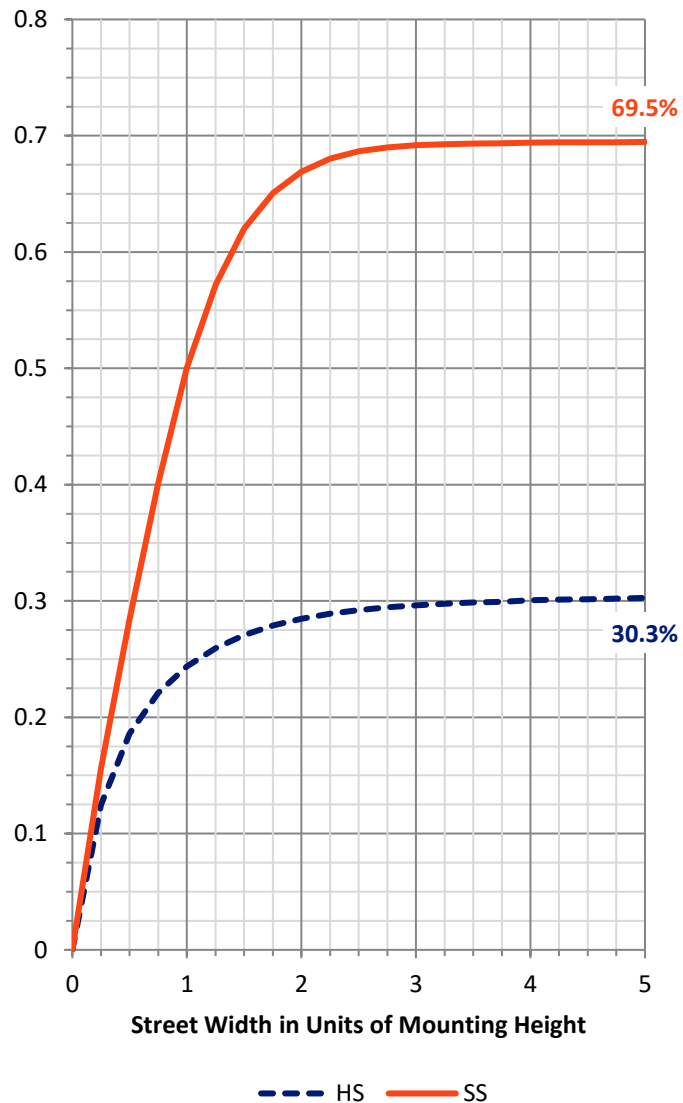
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5610.9 | 0.0 | 5610.9 |
| | % Fixture | 30.5 | 0.0 | 30.5 |
| Street Side | Lumens | 12782.1 | 0.0 | 12782.1 |
| | % Fixture | 69.5 | 0.0 | 69.5 |
| Total | Lumens | 18393.0 | 0.0 | 18393.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 626.8 | 3.4 |
| 10°-20° | 1351.5 | 7.3 |
| 20°-30° | 2049.3 | 11.1 |
| 30°-40° | 2961.0 | 16.1 |
| 40°-50° | 3956.7 | 21.5 |
| 50°-60° | 4416.5 | 24.0 |
| 60°-70° | 2422.7 | 13.2 |
| 70°-80° | 523.8 | 2.8 |
| 80°-90° | 84.7 | 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° | 18393.0 | 100.0 |
| 0°-180° | 18393.0 | 100.0 |

Coefficient of Utilization



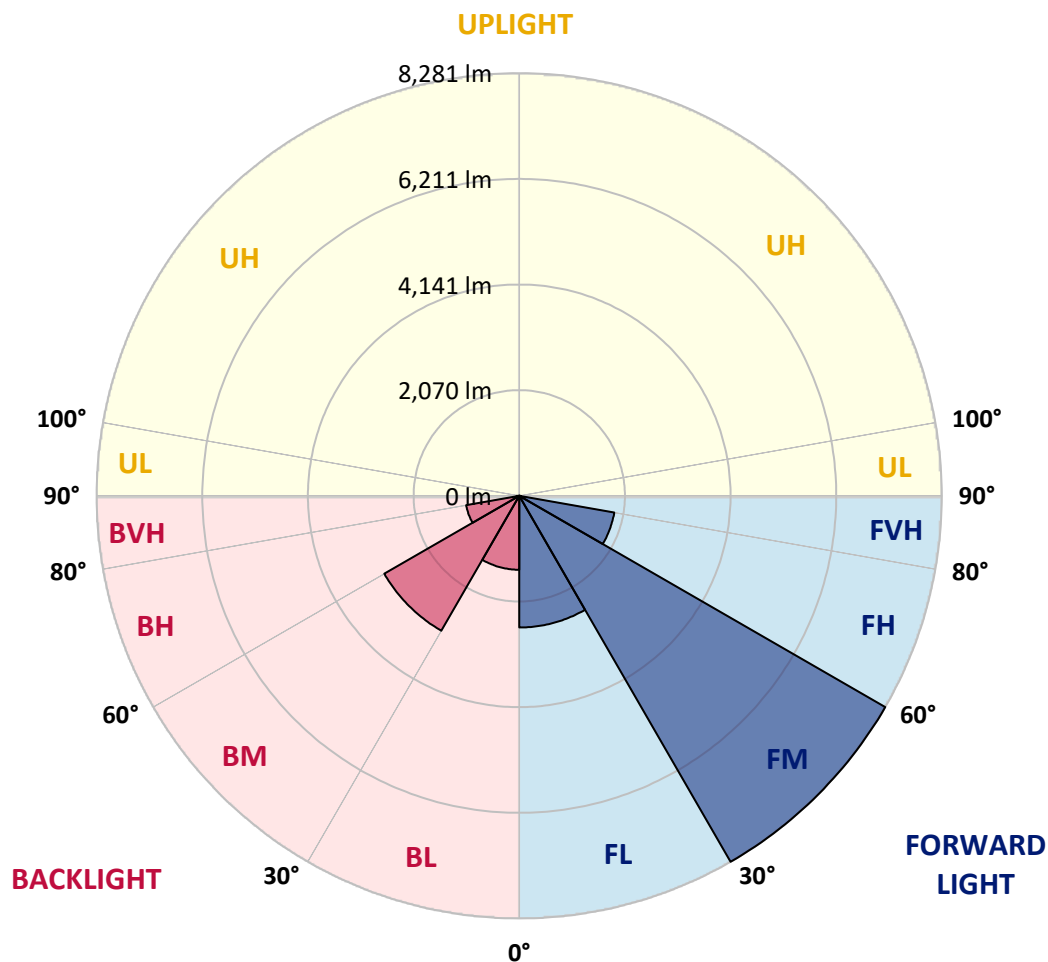
REPORT NUMBER: P530758
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2579.0 | 14.0 | | | |
| FM (30°-60°) | 8281.4 | 45.0 | | | |
| FH (60°-80°) | 1890.3 | 10.3 | | | G2/5000 |
| FVH (80°-90°) | 31.4 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1448.6 | 7.9 | B3/2500 | | |
| BM (30°-60°) | 3052.8 | 16.6 | B3/5000 | | |
| BH (60°-80°) | 1056.1 | 5.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 53.4 | 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: P530758

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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 |
| 2.5° | 8610.2 | 8561.9 | 8604.9 | 8809.0 | 8927.1 | 9007.7 | 9058.7 | 9050.7 | 8857.3 | 8669.3 | 8669.3 |
| 5° | 8357.8 | 8296.0 | 8384.6 | 8846.6 | 9311.2 | 9351.5 | 9418.6 | 9308.5 | 9023.8 | 8680.1 | 8250.4 |
| 7.5° | 7627.3 | 7672.9 | 7820.7 | 8427.6 | 9031.9 | 9335.4 | 9415.9 | 9276.3 | 8814.3 | 8172.5 | 7541.3 |
| 10° | 6996.2 | 7103.6 | 7444.7 | 8100.0 | 8655.9 | 9050.7 | 9139.3 | 8943.3 | 8578.0 | 7791.1 | 7227.1 |
| 12.5° | 6778.6 | 6711.5 | 7090.2 | 7745.5 | 8277.2 | 8489.4 | 8529.7 | 8543.1 | 8296.0 | 7597.7 | 6910.2 |
| 15° | 6751.8 | 6794.7 | 7090.2 | 7587.0 | 7914.6 | 7925.4 | 7992.5 | 8097.3 | 8129.5 | 7729.3 | 7057.9 |
| 17.5° | 7138.5 | 7087.5 | 7390.9 | 7785.7 | 7630.0 | 7474.2 | 7490.3 | 7640.7 | 7906.6 | 7842.1 | 7522.5 |
| 20° | 7710.5 | 7826.0 | 8065.0 | 8024.8 | 7605.8 | 7211.0 | 7213.7 | 7356.0 | 7879.7 | 8309.4 | 8169.8 |
| 22.5° | 8661.3 | 8774.1 | 8951.3 | 8465.2 | 7605.8 | 7133.1 | 7041.8 | 7235.2 | 8051.6 | 8865.4 | 8900.3 |
| 25° | 9528.7 | 9735.5 | 9783.9 | 9211.8 | 7987.2 | 7205.6 | 7146.5 | 7337.2 | 8223.5 | 9407.9 | 9738.2 |
| 27.5° | 10318.3 | 10393.5 | 10605.7 | 9692.6 | 8199.3 | 7254.0 | 7248.6 | 7493.0 | 8441.0 | 9679.1 | 10487.5 |
| 30° | 10941.4 | 10933.3 | 11054.2 | 9996.0 | 8537.7 | 7525.2 | 7264.7 | 7726.7 | 8725.7 | 10127.6 | 11180.4 |
| 32.5° | 11365.7 | 11457.0 | 11712.2 | 10417.7 | 8680.1 | 7783.1 | 7578.9 | 8000.6 | 9072.2 | 10339.8 | 11669.2 |
| 35° | 12112.3 | 12270.8 | 11948.5 | 10651.3 | 9131.3 | 8038.2 | 7799.2 | 8373.9 | 9244.1 | 10570.8 | 12268.1 |
| 37.5° | 12816.0 | 12695.1 | 12367.5 | 10777.6 | 9424.0 | 8510.9 | 8288.0 | 9096.3 | 9778.5 | 11073.0 | 12665.6 |
| 40° | 13267.2 | 13264.5 | 12681.7 | 10879.6 | 9630.8 | 9233.3 | 9219.9 | 9829.5 | 10433.8 | 11389.9 | 13111.4 |
| 42.5° | 13463.2 | 13651.2 | 12810.6 | 10868.9 | 10065.9 | 10108.8 | 10380.1 | 10925.3 | 10898.4 | 11454.4 | 13100.7 |
| 44° | 13731.8 | 13844.6 | 13033.5 | 10893.0 | 10355.9 | 10699.7 | 11338.9 | 11685.3 | 11304.0 | 11419.4 | 13087.2 |
| 45° | 13721.1 | 13729.1 | 12716.6 | 10925.3 | 10603.0 | 11193.8 | 11765.9 | 12351.4 | 11661.1 | 11344.2 | 13264.5 |
| 47.5° | 13406.8 | 13315.5 | 12448.0 | 10686.3 | 11373.8 | 12499.1 | 13028.2 | 13382.7 | 12101.6 | 11183.1 | 13044.3 |
| 50° | 12786.4 | 12681.7 | 11795.4 | 10584.2 | 11534.9 | 13310.1 | 14040.6 | 14169.6 | 12501.8 | 11024.6 | 12826.7 |
| 52.5° | 12829.4 | 12799.9 | 11980.7 | 10737.3 | 11696.1 | 13565.3 | 14736.2 | 14768.5 | 12955.6 | 11357.7 | 12829.4 |
| 55° | 13597.5 | 13495.5 | 12512.5 | 10928.0 | 11577.9 | 13267.2 | 14293.1 | 14236.7 | 12802.6 | 11156.2 | 13065.8 |
| 57.5° | 12442.7 | 12509.8 | 11776.6 | 10173.3 | 10133.0 | 10785.6 | 11236.8 | 11097.2 | 10683.6 | 10068.6 | 12155.3 |
| 60° | 10039.0 | 10229.7 | 10299.5 | 8508.2 | 7646.1 | 7310.4 | 7176.1 | 6929.0 | 6998.8 | 8271.8 | 10678.2 |
| 62.5° | 8610.2 | 8599.5 | 9037.3 | 7713.2 | 5008.8 | 4307.8 | 4243.3 | 4299.7 | 5105.4 | 8142.9 | 10458.0 |
| 65° | 6827.0 | 7009.6 | 7143.9 | 6536.9 | 3964.0 | 3198.6 | 3195.9 | 3553.1 | 4417.9 | 6805.5 | 8443.7 |
| 67.5° | 4334.7 | 4573.7 | 4740.2 | 4181.6 | 2650.7 | 2277.4 | 2215.7 | 2645.4 | 3061.7 | 4463.6 | 5084.0 |
| 70° | 2444.0 | 2556.8 | 2631.9 | 2411.7 | 1686.6 | 1181.7 | 1111.9 | 1213.9 | 1850.4 | 2889.8 | 3013.3 |
| 72.5° | 942.7 | 993.7 | 1095.8 | 1103.8 | 636.5 | 381.4 | 308.9 | 370.6 | 778.8 | 1144.1 | 1090.4 |
| 75° | 145.0 | 155.8 | 220.2 | 263.2 | 182.6 | 139.7 | 147.7 | 153.1 | 217.5 | 295.4 | 247.1 |
| 77.5° | 69.8 | 69.8 | 67.1 | 77.9 | 91.3 | 99.4 | 107.4 | 118.2 | 128.9 | 142.3 | 137.0 |
| 80° | 45.7 | 45.7 | 45.7 | 53.7 | 67.1 | 80.6 | 91.3 | 96.7 | 102.1 | 112.8 | 107.4 |
| 82.5° | 29.5 | 29.5 | 29.5 | 40.3 | 53.7 | 67.1 | 72.5 | 85.9 | 96.7 | 112.8 | 104.7 |
| 85° | 16.1 | 16.1 | 16.1 | 26.9 | 40.3 | 56.4 | 53.7 | 43.0 | 24.2 | 2.7 | 5.4 |
| 87.5° | 5.4 | 5.4 | 5.4 | 5.4 | 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 |



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CATALOG NUMBER: GALN-SA6A-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 |
| 2.5° | 8443.7 | 8320.2 | 8309.4 | 8057.0 | 7831.4 | 7721.3 | 7632.7 | 7385.6 | 7439.3 | 7296.9 | 7294.3 |
| 5° | 8035.5 | 7783.1 | 7374.8 | 7039.1 | 6703.4 | 6636.3 | 6343.5 | 6088.4 | 6096.5 | 5913.8 | 5946.1 |
| 7.5° | 7302.3 | 7127.7 | 6630.9 | 6104.5 | 5658.7 | 5341.8 | 5065.2 | 4898.6 | 4686.5 | 4614.0 | 4576.4 |
| 10° | 6837.7 | 6622.8 | 6064.2 | 5403.6 | 4904.0 | 4734.8 | 4468.9 | 4321.2 | 4103.7 | 3996.3 | 3921.1 |
| 12.5° | 6633.6 | 6319.4 | 5621.1 | 4949.7 | 4616.7 | 4442.1 | 4216.5 | 3947.9 | 3690.1 | 3590.7 | 3453.8 |
| 15° | 6655.1 | 6279.1 | 5492.2 | 4767.1 | 4366.9 | 4028.5 | 3827.1 | 3529.0 | 3265.8 | 3091.2 | 2991.8 |
| 17.5° | 6980.0 | 6523.5 | 5551.3 | 4627.4 | 4052.7 | 3628.3 | 3233.5 | 2911.3 | 2701.8 | 2570.2 | 2538.0 |
| 20° | 7748.1 | 7127.7 | 5650.6 | 4401.8 | 3738.4 | 3209.4 | 2723.3 | 2387.6 | 2226.4 | 2223.7 | 2226.4 |
| 22.5° | 8387.3 | 7772.3 | 5852.1 | 4267.5 | 3424.2 | 2672.2 | 2188.8 | 2081.4 | 2049.2 | 2116.3 | 2124.4 |
| 25° | 9249.4 | 8497.4 | 6198.5 | 4197.7 | 3134.2 | 2277.4 | 1979.3 | 1939.0 | 1936.4 | 2022.3 | 2025.0 |
| 27.5° | 10133.0 | 9131.3 | 6405.3 | 3993.6 | 2838.7 | 2073.3 | 1853.1 | 1845.1 | 1888.0 | 1979.3 | 1971.3 |
| 30° | 10734.6 | 9663.0 | 6778.6 | 3749.2 | 2489.6 | 1893.4 | 1802.1 | 1812.8 | 1871.9 | 1941.7 | 1952.5 |
| 32.5° | 11435.6 | 10186.7 | 6875.3 | 3614.9 | 2274.8 | 1743.0 | 1678.5 | 1702.7 | 1777.9 | 1888.0 | 1947.1 |
| 35° | 12238.6 | 10557.3 | 7023.0 | 3432.3 | 2194.2 | 1627.5 | 1595.3 | 1622.1 | 1713.5 | 1786.0 | 1850.4 |
| 37.5° | 12832.1 | 11212.6 | 7049.9 | 3289.9 | 2105.6 | 1563.1 | 1512.0 | 1600.7 | 1654.4 | 1756.4 | 1788.7 |
| 40° | 13272.5 | 11688.0 | 7119.7 | 3201.3 | 2035.7 | 1479.8 | 1479.8 | 1538.9 | 1611.4 | 1705.4 | 1769.9 |
| 42.5° | 13554.5 | 12034.5 | 7170.7 | 3120.7 | 1901.4 | 1455.6 | 1442.2 | 1501.3 | 1598.0 | 1689.3 | 1718.8 |
| 44° | 13726.4 | 12182.2 | 7119.7 | 3045.5 | 1863.9 | 1426.1 | 1426.1 | 1477.1 | 1552.3 | 1659.7 | 1694.7 |
| 45° | 13769.4 | 12367.5 | 7006.9 | 3042.9 | 1818.2 | 1391.2 | 1385.8 | 1482.5 | 1533.5 | 1665.1 | 1686.6 |
| 47.5° | 13935.9 | 12595.8 | 7020.3 | 2956.9 | 1708.1 | 1307.9 | 1401.9 | 1444.9 | 1490.5 | 1606.0 | 1678.5 |
| 50° | 13930.5 | 12738.1 | 6990.8 | 2830.7 | 1627.5 | 1213.9 | 1369.7 | 1418.0 | 1463.7 | 1581.9 | 1611.4 |
| 52.5° | 13968.1 | 13269.9 | 7262.0 | 2629.3 | 1482.5 | 1093.1 | 1262.3 | 1369.7 | 1426.1 | 1525.5 | 1587.2 |
| 55° | 13949.3 | 13573.3 | 7530.6 | 2478.9 | 1278.4 | 1020.6 | 1170.9 | 1297.2 | 1377.7 | 1482.5 | 1512.0 |
| 57.5° | 12740.8 | 11996.9 | 6969.3 | 2196.9 | 1058.2 | 934.6 | 1042.0 | 1222.0 | 1324.0 | 1431.5 | 1469.1 |
| 60° | 10409.6 | 9246.7 | 5747.3 | 1616.8 | 870.2 | 859.4 | 969.5 | 1197.8 | 1240.8 | 1334.8 | 1399.2 |
| 62.5° | 9620.0 | 8110.7 | 4557.6 | 1235.4 | 743.9 | 786.9 | 894.3 | 1082.3 | 1149.5 | 1264.9 | 1324.0 |
| 65° | 7527.9 | 5387.4 | 2822.6 | 835.2 | 655.3 | 706.3 | 808.4 | 948.0 | 1058.2 | 1165.6 | 1235.4 |
| 67.5° | 4458.2 | 2943.5 | 1396.5 | 585.5 | 572.0 | 625.8 | 730.5 | 835.2 | 961.5 | 1079.6 | 1114.6 |
| 70° | 2427.8 | 1447.6 | 596.2 | 445.8 | 486.1 | 534.4 | 636.5 | 709.0 | 829.9 | 921.2 | 980.3 |
| 72.5° | 778.8 | 440.4 | 298.1 | 330.3 | 370.6 | 427.0 | 488.8 | 577.4 | 663.4 | 717.1 | 765.4 |
| 75° | 188.0 | 185.3 | 212.2 | 231.0 | 268.6 | 311.5 | 362.6 | 408.2 | 475.4 | 526.4 | 569.4 |
| 77.5° | 131.6 | 142.3 | 163.8 | 190.7 | 204.1 | 220.2 | 252.5 | 287.4 | 316.9 | 354.5 | 381.4 |
| 80° | 102.1 | 110.1 | 126.2 | 139.7 | 153.1 | 166.5 | 182.6 | 196.1 | 214.9 | 239.0 | 252.5 |
| 82.5° | 96.7 | 102.1 | 118.2 | 126.2 | 120.9 | 118.2 | 128.9 | 134.3 | 137.0 | 145.0 | 153.1 |
| 85° | 8.1 | 0.0 | 5.4 | 18.8 | 45.7 | 67.1 | 72.5 | 72.5 | 69.8 | 75.2 | 75.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 10.7 | 8.1 |
| 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):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 |
| 2.5° | 7262.0 | 7170.7 | 7205.6 | 7248.6 | 7186.8 | 7044.5 | 7082.1 | 7066.0 | 7211.0 | 7200.3 | 7345.3 |
| 5° | 6088.4 | 5946.1 | 5962.2 | 6171.7 | 6104.5 | 6177.0 | 6032.0 | 6013.2 | 6040.1 | 6053.5 | 6077.7 |
| 7.5° | 4659.6 | 4640.8 | 4802.0 | 4979.2 | 5062.5 | 4976.5 | 4834.2 | 4802.0 | 4772.4 | 4713.3 | 4847.6 |
| 10° | 3802.9 | 3808.3 | 3797.5 | 3931.8 | 4025.8 | 4007.0 | 3921.1 | 3910.3 | 3853.9 | 3832.4 | 3907.6 |
| 12.5° | 3394.7 | 3322.2 | 3287.3 | 3244.3 | 3316.8 | 3365.1 | 3327.5 | 3300.7 | 3303.4 | 3330.2 | 3341.0 |
| 15° | 2999.9 | 2954.2 | 2879.0 | 2830.7 | 2865.6 | 2841.4 | 2828.0 | 2881.7 | 2868.3 | 2862.9 | 2927.4 |
| 17.5° | 2556.8 | 2594.4 | 2589.0 | 2535.3 | 2580.9 | 2562.1 | 2559.4 | 2521.8 | 2470.8 | 2433.2 | 2454.7 |
| 20° | 2264.0 | 2333.8 | 2387.6 | 2390.2 | 2414.4 | 2411.7 | 2371.4 | 2256.0 | 2218.4 | 2210.3 | 2215.7 |
| 22.5° | 2159.3 | 2196.9 | 2261.3 | 2352.6 | 2352.6 | 2309.7 | 2261.3 | 2127.0 | 2092.1 | 2054.5 | 2038.4 |
| 25° | 2076.0 | 2148.5 | 2231.8 | 2242.5 | 2285.5 | 2245.2 | 2167.3 | 2100.2 | 2027.7 | 1976.6 | 1976.6 |
| 27.5° | 2033.0 | 2113.6 | 2175.4 | 2194.2 | 2253.3 | 2221.0 | 2140.5 | 2054.5 | 1968.6 | 1965.9 | 1920.2 |
| 30° | 2014.2 | 2089.4 | 2129.7 | 2175.4 | 2202.2 | 2151.2 | 2127.0 | 2035.7 | 1949.8 | 1928.3 | 1853.1 |
| 32.5° | 1957.8 | 2065.3 | 2140.5 | 2129.7 | 2151.2 | 2129.7 | 2094.8 | 2019.6 | 1922.9 | 1874.6 | 1866.5 |
| 35° | 1893.4 | 2000.8 | 2081.4 | 2137.8 | 2151.2 | 2105.6 | 2084.1 | 1982.0 | 1850.4 | 1826.3 | 1743.0 |
| 37.5° | 1858.5 | 1922.9 | 2022.3 | 2113.6 | 2132.4 | 2108.2 | 2035.7 | 1931.0 | 1799.4 | 1772.5 | 1700.0 |
| 40° | 1815.5 | 1898.8 | 1976.6 | 2051.8 | 2108.2 | 2049.2 | 1965.9 | 1863.9 | 1804.8 | 1724.2 | 1702.7 |
| 42.5° | 1783.3 | 1877.3 | 1941.7 | 2025.0 | 2089.4 | 2011.6 | 1914.9 | 1845.1 | 1761.8 | 1708.1 | 1646.3 |
| 44° | 1772.5 | 1858.5 | 1901.4 | 2003.5 | 2057.2 | 1998.1 | 1917.6 | 1845.1 | 1748.4 | 1700.0 | 1646.3 |
| 45° | 1734.9 | 1853.1 | 1898.8 | 1990.1 | 2035.7 | 1987.4 | 1885.3 | 1812.8 | 1743.0 | 1683.9 | 1627.5 |
| 47.5° | 1697.3 | 1777.9 | 1855.8 | 1928.3 | 1960.5 | 1944.4 | 1858.5 | 1769.9 | 1686.6 | 1651.7 | 1598.0 |
| 50° | 1686.6 | 1767.2 | 1839.7 | 1906.8 | 1944.4 | 1912.2 | 1834.3 | 1748.4 | 1651.7 | 1595.3 | 1549.6 |
| 52.5° | 1632.9 | 1732.3 | 1812.8 | 1834.3 | 1882.6 | 1863.9 | 1804.8 | 1710.8 | 1619.5 | 1571.1 | 1533.5 |
| 55° | 1555.0 | 1659.7 | 1769.9 | 1796.7 | 1866.5 | 1837.0 | 1748.4 | 1659.7 | 1581.9 | 1509.3 | 1461.0 |
| 57.5° | 1525.5 | 1627.5 | 1734.9 | 1769.9 | 1812.8 | 1764.5 | 1743.0 | 1649.0 | 1525.5 | 1487.9 | 1412.7 |
| 60° | 1450.3 | 1579.2 | 1667.8 | 1748.4 | 1751.1 | 1737.6 | 1700.0 | 1592.6 | 1490.5 | 1420.7 | 1367.0 |
| 62.5° | 1391.2 | 1512.0 | 1581.9 | 1657.1 | 1702.7 | 1665.1 | 1627.5 | 1528.1 | 1418.0 | 1340.1 | 1278.4 |
| 65° | 1305.2 | 1415.3 | 1474.4 | 1520.1 | 1571.1 | 1565.7 | 1501.3 | 1428.8 | 1313.3 | 1251.5 | 1192.4 |
| 67.5° | 1173.6 | 1270.3 | 1350.9 | 1393.9 | 1426.1 | 1418.0 | 1369.7 | 1318.7 | 1200.5 | 1138.7 | 1095.8 |
| 70° | 1015.2 | 1114.6 | 1165.6 | 1189.7 | 1222.0 | 1238.1 | 1200.5 | 1176.3 | 1071.6 | 991.0 | 950.7 |
| 72.5° | 816.4 | 880.9 | 956.1 | 977.6 | 991.0 | 1001.8 | 1001.8 | 980.3 | 872.8 | 840.6 | 770.8 |
| 75° | 601.6 | 652.6 | 709.0 | 709.0 | 733.2 | 735.9 | 741.2 | 727.8 | 647.2 | 604.3 | 588.2 |
| 77.5° | 408.2 | 445.8 | 491.5 | 510.3 | 526.4 | 523.7 | 521.0 | 483.4 | 440.4 | 421.6 | 405.5 |
| 80° | 265.9 | 303.5 | 325.0 | 349.1 | 365.3 | 362.6 | 367.9 | 341.1 | 322.3 | 290.1 | 295.4 |
| 82.5° | 158.5 | 188.0 | 209.5 | 239.0 | 239.0 | 247.1 | 247.1 | 239.0 | 220.2 | 204.1 | 204.1 |
| 85° | 75.2 | 99.4 | 112.8 | 131.6 | 142.3 | 145.0 | 128.9 | 110.1 | 91.3 | 83.3 | 91.3 |
| 87.5° | 13.4 | 18.8 | 26.9 | 24.2 | 29.5 | 26.9 | 26.9 | 26.9 | 26.9 | 21.5 | 24.2 |
| 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° | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 | 8204.7 |
| 2.5° | 7291.6 | 7425.9 | 7519.9 | 7675.6 | 7944.2 | 8159.0 | 8379.3 | 8543.1 | 8561.9 | 8610.2 |
| 5° | 6166.3 | 6238.8 | 6477.8 | 6789.4 | 7009.6 | 7372.1 | 7605.8 | 8030.1 | 8188.6 | 8357.8 |
| 7.5° | 4815.4 | 4933.6 | 5253.2 | 5462.6 | 5946.1 | 6399.9 | 6869.9 | 7393.6 | 7603.1 | 7627.3 |
| 10° | 4060.7 | 4232.6 | 4450.1 | 4785.9 | 5049.0 | 5554.0 | 6139.4 | 6722.2 | 6955.9 | 6996.2 |
| 12.5° | 3566.6 | 3786.8 | 4076.8 | 4318.5 | 4571.0 | 5011.4 | 5572.8 | 6292.5 | 6596.0 | 6778.6 |
| 15° | 3091.2 | 3319.5 | 3639.1 | 3974.8 | 4197.7 | 4724.1 | 5384.8 | 6195.8 | 6590.6 | 6751.8 |
| 17.5° | 2602.4 | 2814.6 | 3077.8 | 3440.3 | 3888.8 | 4479.7 | 5355.2 | 6518.1 | 6950.5 | 7138.5 |
| 20° | 2183.4 | 2301.6 | 2607.8 | 2981.1 | 3542.4 | 4229.9 | 5366.0 | 6993.5 | 7627.3 | 7710.5 |
| 22.5° | 2019.6 | 2046.5 | 2167.3 | 2511.1 | 3126.1 | 3974.8 | 5556.6 | 7667.6 | 8387.3 | 8661.3 |
| 25° | 1893.4 | 1888.0 | 1920.2 | 2151.2 | 2822.6 | 3875.4 | 5744.6 | 8288.0 | 9230.6 | 9528.7 |
| 27.5° | 1823.6 | 1769.9 | 1772.5 | 1990.1 | 2607.8 | 3714.3 | 5986.3 | 8999.7 | 10186.7 | 10318.3 |
| 30° | 1788.7 | 1777.9 | 1745.7 | 1834.3 | 2374.1 | 3472.6 | 6026.6 | 9700.6 | 10750.7 | 10941.4 |
| 32.5° | 1767.2 | 1662.4 | 1622.1 | 1654.4 | 2153.9 | 3209.4 | 6177.0 | 10162.5 | 11449.0 | 11365.7 |
| 35° | 1659.7 | 1565.7 | 1538.9 | 1571.1 | 1998.1 | 3061.7 | 6077.7 | 10565.4 | 11972.7 | 12112.3 |
| 37.5° | 1619.5 | 1536.2 | 1482.5 | 1455.6 | 1853.1 | 2938.1 | 6026.6 | 11185.8 | 12480.3 | 12816.0 |
| 40° | 1581.9 | 1493.2 | 1428.8 | 1401.9 | 1740.3 | 2774.3 | 6010.5 | 11663.8 | 13065.8 | 13267.2 |
| 42.5° | 1538.9 | 1482.5 | 1410.0 | 1361.6 | 1603.3 | 2610.5 | 5825.2 | 11811.5 | 13245.7 | 13463.2 |
| 44° | 1525.5 | 1439.5 | 1364.3 | 1348.2 | 1549.6 | 2527.2 | 5787.6 | 11945.8 | 13401.5 | 13731.8 |
| 45° | 1512.0 | 1431.5 | 1345.5 | 1324.0 | 1530.8 | 2481.6 | 5736.6 | 11978.1 | 13659.3 | 13721.1 |
| 47.5° | 1474.4 | 1423.4 | 1340.1 | 1281.1 | 1490.5 | 2382.2 | 5583.5 | 11795.4 | 13396.1 | 13406.8 |
| 50° | 1444.9 | 1385.8 | 1299.9 | 1184.4 | 1436.8 | 2298.9 | 5653.3 | 11728.3 | 12762.3 | 12786.4 |
| 52.5° | 1412.7 | 1324.0 | 1275.7 | 1077.0 | 1348.2 | 2229.1 | 5801.0 | 12031.8 | 12834.8 | 12829.4 |
| 55° | 1375.1 | 1278.4 | 1160.2 | 985.6 | 1200.5 | 2140.5 | 6158.2 | 12630.7 | 13506.2 | 13597.5 |
| 57.5° | 1316.0 | 1232.7 | 1063.5 | 905.1 | 1031.3 | 1971.3 | 6042.7 | 11483.9 | 12426.6 | 12442.7 |
| 60° | 1238.1 | 1160.2 | 964.2 | 843.3 | 846.0 | 1555.0 | 5403.6 | 8948.6 | 9805.4 | 10039.0 |
| 62.5° | 1162.9 | 1119.9 | 880.9 | 754.7 | 719.8 | 1238.1 | 4568.3 | 7436.6 | 8416.9 | 8610.2 |
| 65° | 1074.3 | 969.5 | 808.4 | 687.5 | 617.7 | 867.5 | 3236.2 | 5556.6 | 6566.4 | 6827.0 |
| 67.5° | 961.5 | 848.7 | 711.7 | 604.3 | 529.1 | 580.1 | 1670.5 | 3158.3 | 4181.6 | 4334.7 |
| 70° | 840.6 | 735.9 | 598.9 | 510.3 | 427.0 | 400.2 | 735.9 | 1506.7 | 2285.5 | 2444.0 |
| 72.5° | 690.2 | 593.5 | 478.0 | 402.8 | 319.6 | 276.6 | 247.1 | 402.8 | 811.1 | 942.7 |
| 75° | 499.5 | 432.4 | 359.9 | 287.4 | 225.6 | 177.3 | 145.0 | 120.9 | 134.3 | 145.0 |
| 77.5° | 367.9 | 314.2 | 265.9 | 204.1 | 158.5 | 126.2 | 99.4 | 75.2 | 72.5 | 69.8 |
| 80° | 287.4 | 255.1 | 212.2 | 163.8 | 123.5 | 94.0 | 69.8 | 51.0 | 45.7 | 45.7 |
| 82.5° | 225.6 | 209.5 | 174.6 | 134.3 | 102.1 | 75.2 | 51.0 | 34.9 | 29.5 | 29.5 |
| 85° | 85.9 | 85.9 | 126.2 | 110.1 | 77.9 | 53.7 | 34.9 | 18.8 | 16.1 | 16.1 |
| 87.5° | 21.5 | 21.5 | 21.5 | 21.5 | 18.8 | 16.1 | 16.1 | 8.1 | 5.4 | 5.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)