

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: P650637

Luminaire Tested: **GLAN-SA9B-835-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-835-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34816.1 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

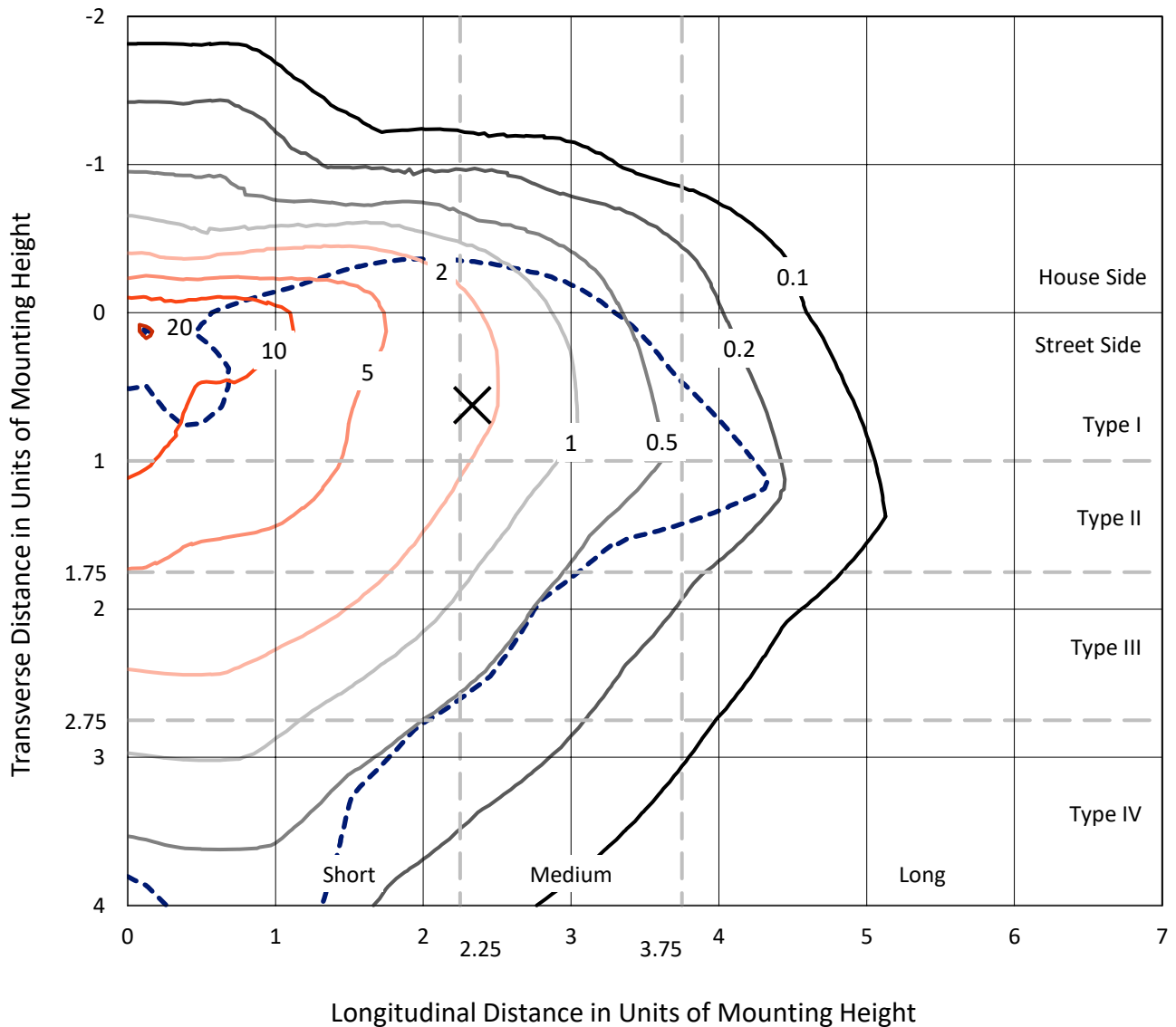
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

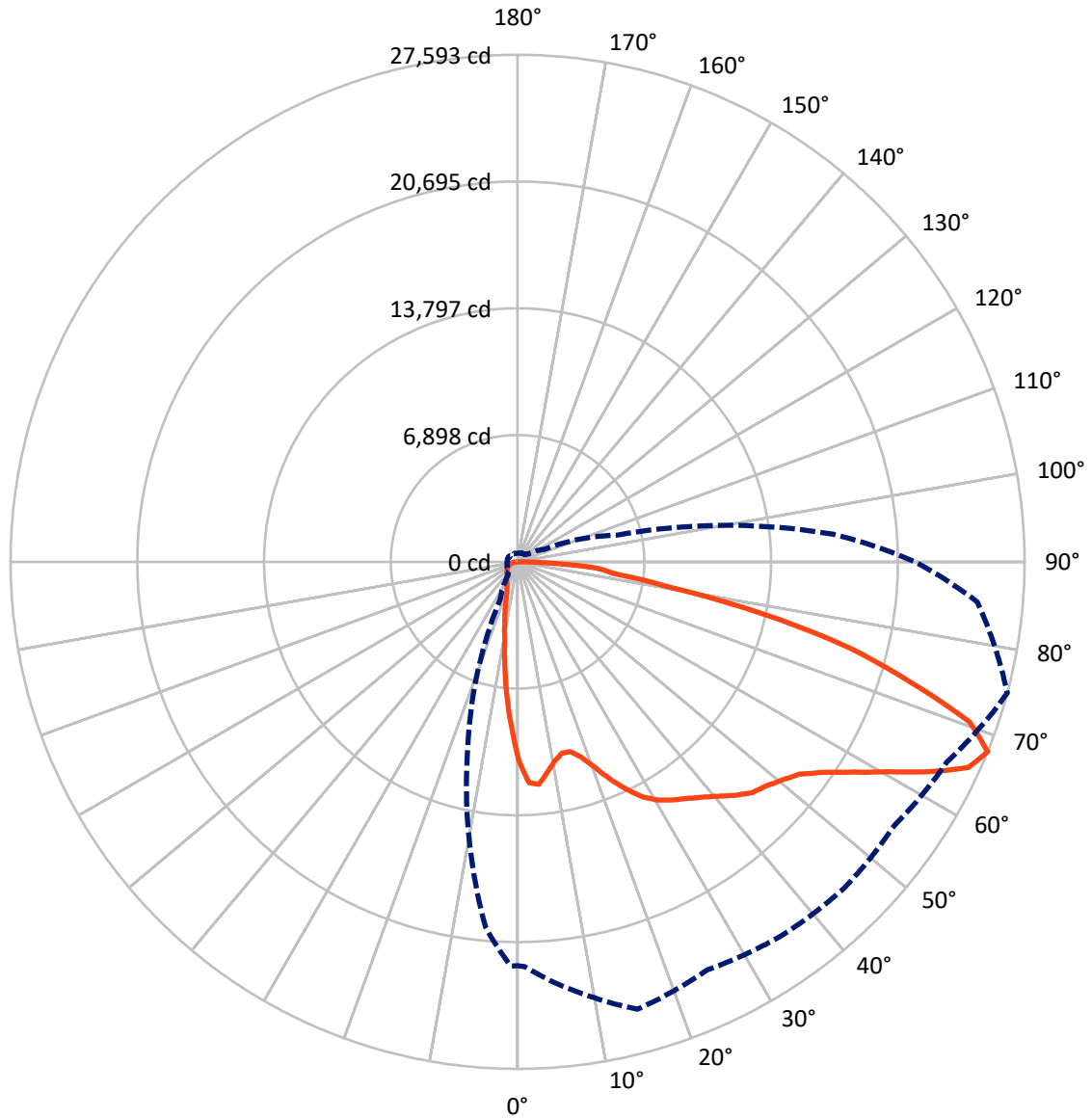
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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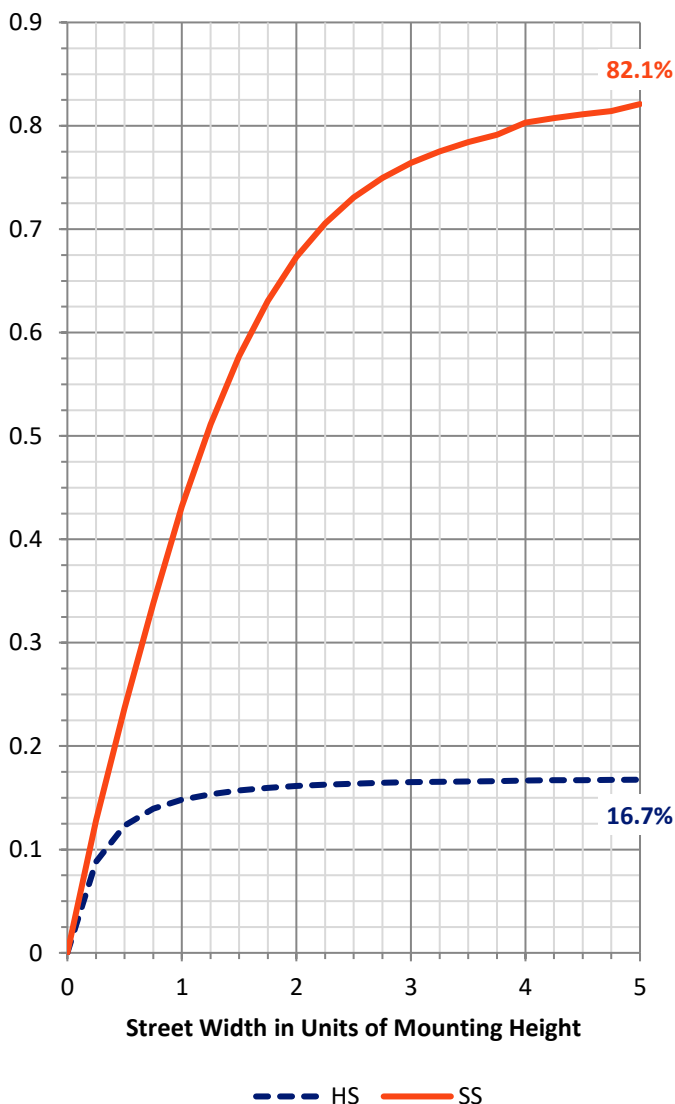
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5884.7 | 0.0 | 5884.7 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 28931.4 | 0.0 | 28931.4 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 34816.1 | 0.0 | 34816.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 825.0 | 2.4 |
| 10°-20° | 1720.6 | 4.9 |
| 20°-30° | 2476.0 | 7.1 |
| 30°-40° | 3566.1 | 10.2 |
| 40°-50° | 5009.4 | 14.4 |
| 50°-60° | 6986.3 | 20.1 |
| 60°-70° | 8306.3 | 23.9 |
| 70°-80° | 4891.9 | 14.1 |
| 80°-90° | 1034.5 | 3.0 |
| 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° | 34816.1 | 100.0 |
| 0°-180° | 34816.1 | 100.0 |

Coefficient of Utilization

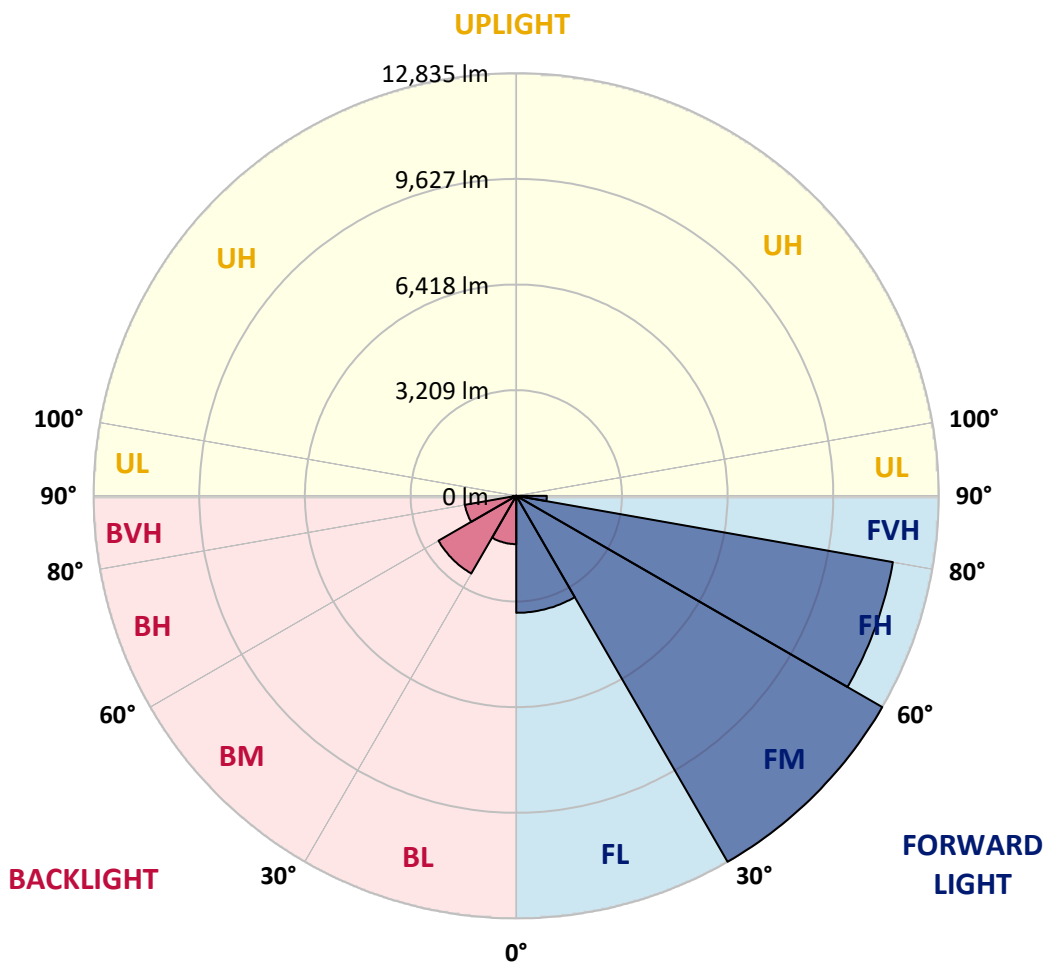


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 CATALOG NUMBER: GLAN-SA9B-835-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 3553.8 | 10.2 | | | |
| FM (30°-60°) | 12835.4 | 36.9 | | | |
| FH (60°-80°) | 11614.8 | 33.4 | | | G4/12000 |
| FVH (80°-90°) | 927.5 | 2.7 | | | G5 |
| BL (0°-30°) | 1467.8 | 4.2 | B3/2500 | | |
| BM (30°-60°) | 2726.4 | 7.8 | B3/5000 | | |
| BH (60°-80°) | 1583.5 | 4.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 107.0 | 0.3 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 |
| 2.5° | 11728.0 | 11743.7 | 11844.1 | 12136.6 | 12337.5 | 12411.2 | 12462.5 | 12366.5 | 12272.7 | 12045.0 | 11701.2 |
| 5° | 11692.3 | 11783.8 | 12045.0 | 12701.4 | 13219.4 | 13442.7 | 13509.6 | 13221.7 | 12746.1 | 12161.2 | 11457.9 |
| 7.5° | 11009.1 | 11131.9 | 11533.7 | 12634.5 | 13547.6 | 14070.0 | 14000.8 | 13480.6 | 12623.3 | 11580.6 | 10598.3 |
| 10° | 10198.7 | 10334.8 | 10819.3 | 12150.0 | 13326.6 | 14045.5 | 14045.5 | 13411.4 | 12272.7 | 11033.6 | 9901.7 |
| 12.5° | 9555.7 | 9698.6 | 10252.2 | 11652.1 | 12866.6 | 13547.6 | 13661.5 | 13116.7 | 12020.5 | 10687.6 | 9444.0 |
| 15° | 9343.5 | 9482.0 | 10078.1 | 11350.7 | 12379.9 | 12795.2 | 12833.1 | 12654.5 | 11897.7 | 10712.1 | 9424.0 |
| 17.5° | 9607.0 | 9785.6 | 10388.5 | 11440.0 | 11933.4 | 11958.0 | 11987.0 | 12127.7 | 11911.1 | 11160.9 | 9830.3 |
| 20° | 10368.3 | 10560.3 | 11189.9 | 11728.0 | 11542.7 | 11288.2 | 11303.8 | 11665.5 | 12069.6 | 11902.1 | 10801.5 |
| 22.5° | 11466.8 | 11634.2 | 12279.5 | 12234.8 | 11377.5 | 10852.8 | 10743.4 | 11248.0 | 12304.0 | 12826.5 | 11835.2 |
| 25° | 12652.3 | 12848.8 | 13590.0 | 12987.2 | 11424.4 | 10593.8 | 10524.6 | 11002.4 | 12547.3 | 13690.5 | 13029.6 |
| 27.5° | 14009.7 | 14201.7 | 14786.7 | 13746.3 | 11670.0 | 10573.7 | 10491.1 | 10980.1 | 12766.2 | 14489.7 | 14170.5 |
| 30° | 15018.9 | 15195.3 | 15592.7 | 14384.8 | 11971.4 | 10707.7 | 10605.0 | 11156.4 | 12953.7 | 15036.7 | 15282.4 |
| 32.5° | 15811.5 | 15994.6 | 16211.2 | 14782.3 | 12368.7 | 10951.0 | 10761.2 | 11477.9 | 13199.3 | 15454.2 | 16106.2 |
| 35° | 16637.6 | 16854.2 | 16838.5 | 15135.0 | 12739.4 | 11232.4 | 11047.0 | 11942.3 | 13585.5 | 15818.2 | 17151.1 |
| 37.5° | 17684.7 | 17771.8 | 17660.1 | 15452.0 | 13183.7 | 11739.2 | 11636.5 | 12632.2 | 14134.8 | 16258.0 | 18372.3 |
| 40° | 18747.4 | 18921.5 | 18347.7 | 15836.0 | 13724.0 | 12692.5 | 12681.3 | 13652.5 | 14786.7 | 16773.7 | 19555.6 |
| 42.5° | 19658.3 | 19805.7 | 18990.7 | 16170.9 | 14378.2 | 13855.7 | 13940.5 | 15021.2 | 15641.8 | 17372.1 | 20506.7 |
| 45° | 20343.7 | 20475.4 | 19584.6 | 16494.7 | 15239.9 | 15199.8 | 15699.9 | 16487.9 | 16720.2 | 17910.2 | 21064.9 |
| 47.5° | 20926.5 | 21053.7 | 19997.7 | 16985.9 | 16304.9 | 16805.0 | 17675.8 | 18017.3 | 17642.2 | 18218.3 | 21690.0 |
| 50° | 21417.6 | 21455.6 | 20281.2 | 17570.8 | 17626.6 | 18772.0 | 19615.9 | 19836.9 | 18553.2 | 18660.3 | 22232.5 |
| 52.5° | 21928.9 | 21879.8 | 20770.2 | 18307.6 | 19055.5 | 20638.4 | 21252.4 | 21482.4 | 19426.1 | 19205.1 | 23022.9 |
| 55° | 23074.2 | 23121.1 | 21866.4 | 19236.4 | 20500.0 | 22471.4 | 23279.6 | 23058.6 | 20392.8 | 20207.5 | 24027.5 |
| 57.5° | 24458.5 | 24418.2 | 23409.1 | 20689.8 | 21971.3 | 24177.2 | 24780.0 | 24425.0 | 21683.3 | 21585.0 | 25045.7 |
| 60° | 24996.5 | 25050.1 | 24699.6 | 22252.6 | 23422.5 | 25670.8 | 26287.0 | 25735.5 | 23230.5 | 23185.9 | 25813.6 |
| 62.5° | 24456.2 | 24757.6 | 24994.3 | 23643.5 | 24659.4 | 26769.2 | 27381.0 | 26751.4 | 24844.7 | 25168.4 | 26351.7 |
| 65° | 23380.1 | 23444.8 | 24250.8 | 24822.4 | 25255.5 | 26950.1 | 27269.3 | 26934.4 | 26193.2 | 26974.7 | 26327.2 |
| 67.5° | 21982.5 | 22038.3 | 22982.7 | 25208.6 | 24487.5 | 24896.0 | 25119.3 | 25021.1 | 25775.7 | 27593.1 | 25114.9 |
| 70° | 20651.9 | 20607.2 | 21605.2 | 24224.1 | 21317.2 | 20696.5 | 20881.7 | 20573.7 | 22241.4 | 26081.6 | 22737.1 |
| 72.5° | 18062.0 | 18222.8 | 19294.4 | 21486.9 | 16878.7 | 15869.5 | 16273.6 | 15476.6 | 17106.4 | 22337.4 | 18454.9 |
| 75° | 14148.2 | 14186.2 | 15974.5 | 18033.0 | 12732.7 | 11140.8 | 11687.8 | 11355.1 | 13103.3 | 18633.5 | 12743.9 |
| 77.5° | 9796.8 | 9711.9 | 11634.2 | 13773.1 | 9080.1 | 8155.8 | 8164.7 | 8006.2 | 9149.4 | 13719.5 | 8658.1 |
| 80° | 6222.3 | 6092.8 | 7282.8 | 8508.5 | 6240.2 | 6675.5 | 6456.8 | 6450.0 | 5956.7 | 8463.9 | 5235.5 |
| 82.5° | 3362.4 | 3505.3 | 4601.5 | 5333.7 | 4476.4 | 5159.6 | 4728.7 | 4590.3 | 4088.0 | 5298.0 | 3349.0 |
| 85° | 1531.5 | 1665.5 | 2453.7 | 3628.0 | 3400.3 | 3438.2 | 2297.4 | 2710.4 | 3382.4 | 4302.3 | 1788.4 |
| 87.5° | 149.6 | 192.0 | 506.8 | 1712.4 | 1161.0 | 915.4 | 341.6 | 658.7 | 850.7 | 1529.4 | 142.9 |
| 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-SA9B-835-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 |
| 2.5° | 11560.5 | 11444.5 | 11049.3 | 10723.3 | 10377.3 | 10113.8 | 9770.0 | 9540.0 | 9381.5 | 9142.6 | 9113.6 |
| 5° | 11029.2 | 10745.7 | 10058.0 | 9356.9 | 8751.9 | 8296.4 | 7834.3 | 7410.1 | 7160.1 | 7081.9 | 6981.5 |
| 7.5° | 10133.9 | 9656.1 | 8772.0 | 7968.3 | 7273.9 | 6595.2 | 6072.8 | 5702.1 | 5454.3 | 5309.2 | 5135.1 |
| 10° | 9397.2 | 8843.4 | 7767.3 | 6782.7 | 6211.1 | 5789.2 | 5329.3 | 4931.9 | 4626.0 | 4364.8 | 4221.9 |
| 12.5° | 8901.5 | 8276.4 | 7066.3 | 6267.0 | 5824.9 | 5376.2 | 4838.1 | 4391.6 | 3940.6 | 3643.7 | 3516.4 |
| 15° | 8751.9 | 8091.1 | 6849.7 | 6010.2 | 5376.2 | 4789.0 | 4186.2 | 3603.4 | 3156.9 | 2875.6 | 2781.8 |
| 17.5° | 9118.0 | 8318.7 | 6847.5 | 5668.7 | 4849.3 | 4148.3 | 3375.7 | 2828.7 | 2371.1 | 2161.2 | 2094.2 |
| 20° | 9801.3 | 8756.4 | 6867.5 | 5331.5 | 4277.7 | 3290.9 | 2455.9 | 2007.1 | 1788.4 | 1699.0 | 1665.5 |
| 22.5° | 10754.6 | 9424.0 | 6927.8 | 4998.8 | 3652.6 | 2527.4 | 1839.7 | 1612.0 | 1533.8 | 1518.2 | 1511.5 |
| 25° | 11928.9 | 10250.0 | 7131.0 | 4699.7 | 3125.7 | 1929.0 | 1538.3 | 1435.6 | 1390.9 | 1375.3 | 1373.1 |
| 27.5° | 13009.5 | 11317.2 | 7376.6 | 4442.9 | 2616.6 | 1663.3 | 1390.9 | 1303.9 | 1259.2 | 1256.9 | 1261.4 |
| 30° | 13985.2 | 12210.3 | 7582.0 | 4154.9 | 2230.4 | 1478.0 | 1294.9 | 1207.9 | 1165.4 | 1163.2 | 1176.6 |
| 32.5° | 14829.2 | 12944.8 | 7733.8 | 3871.4 | 2016.1 | 1364.1 | 1207.9 | 1114.1 | 1078.3 | 1071.7 | 1078.3 |
| 35° | 15731.1 | 13677.1 | 7664.6 | 3650.3 | 1893.3 | 1270.3 | 1143.1 | 1051.6 | 1009.1 | 989.1 | 989.1 |
| 37.5° | 16760.3 | 14431.7 | 7546.3 | 3467.3 | 1837.5 | 1192.2 | 1087.3 | 998.0 | 955.6 | 935.5 | 933.3 |
| 40° | 17883.3 | 15186.4 | 7383.3 | 3304.3 | 1781.6 | 1145.4 | 1049.3 | 955.6 | 904.2 | 884.1 | 879.6 |
| 42.5° | 18874.7 | 15831.6 | 7249.3 | 3197.1 | 1690.1 | 1154.3 | 1015.9 | 924.3 | 859.6 | 832.8 | 830.5 |
| 45° | 19736.5 | 16481.3 | 7224.8 | 3134.6 | 1614.2 | 1140.9 | 1006.9 | 899.7 | 823.9 | 794.8 | 790.4 |
| 47.5° | 20410.7 | 17157.7 | 7365.4 | 3098.9 | 1531.5 | 1069.4 | 1065.0 | 884.1 | 792.6 | 761.3 | 756.8 |
| 50° | 21232.3 | 18117.8 | 7686.9 | 3025.2 | 1455.7 | 1002.5 | 1125.2 | 881.9 | 768.0 | 727.8 | 716.7 |
| 52.5° | 22326.3 | 19368.1 | 8122.3 | 2893.5 | 1346.3 | 939.9 | 1073.9 | 881.9 | 739.0 | 698.8 | 685.4 |
| 55° | 23980.7 | 20962.2 | 8548.7 | 2708.2 | 1192.2 | 857.3 | 969.0 | 855.1 | 696.6 | 660.9 | 651.9 |
| 57.5° | 25076.9 | 22127.6 | 8821.1 | 2451.4 | 1000.2 | 797.0 | 835.0 | 812.7 | 654.2 | 616.2 | 616.2 |
| 60° | 25132.7 | 22440.2 | 8691.6 | 2127.7 | 879.6 | 741.3 | 725.6 | 819.4 | 616.2 | 576.1 | 571.6 |
| 62.5° | 24489.7 | 21674.4 | 8017.4 | 1837.5 | 814.9 | 681.0 | 656.4 | 718.9 | 578.2 | 538.1 | 531.3 |
| 65° | 23485.1 | 19720.8 | 6847.5 | 1699.0 | 779.2 | 627.3 | 591.6 | 589.4 | 538.1 | 500.1 | 491.2 |
| 67.5° | 21638.7 | 17233.7 | 5626.2 | 1618.6 | 761.3 | 567.1 | 533.6 | 522.4 | 491.2 | 459.9 | 455.5 |
| 70° | 18917.0 | 14434.0 | 4512.1 | 1585.2 | 752.4 | 504.6 | 477.8 | 464.4 | 437.6 | 413.0 | 410.8 |
| 72.5° | 14717.5 | 11707.9 | 3724.0 | 1562.9 | 747.9 | 446.5 | 417.5 | 399.6 | 384.0 | 361.7 | 361.7 |
| 75° | 10571.5 | 8613.5 | 2842.1 | 1408.8 | 692.1 | 384.0 | 352.7 | 341.6 | 319.2 | 301.4 | 305.8 |
| 77.5° | 6664.4 | 5800.4 | 1871.0 | 1035.9 | 535.8 | 308.1 | 281.3 | 274.6 | 256.7 | 232.2 | 247.8 |
| 80° | 4501.0 | 4079.0 | 1091.7 | 651.9 | 337.2 | 225.5 | 216.6 | 214.3 | 194.3 | 167.5 | 169.7 |
| 82.5° | 3063.2 | 3005.2 | 567.1 | 370.6 | 194.3 | 131.7 | 127.2 | 131.7 | 109.4 | 89.3 | 89.3 |
| 85° | 1196.7 | 1634.3 | 267.9 | 145.1 | 62.5 | 20.1 | 29.0 | 31.2 | 17.9 | 8.9 | 11.2 |
| 87.5° | 22.3 | 167.5 | 6.7 | 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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 CATALOG NUMBER: GLAN-SA9B-835-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 |
| 2.5° | 9068.9 | 9048.8 | 9082.3 | 8939.4 | 8968.5 | 9022.0 | 9048.8 | 9064.5 | 9285.5 | 9234.2 | 9374.8 |
| 5° | 7075.2 | 7055.1 | 7184.6 | 7202.4 | 7269.5 | 7256.1 | 7320.8 | 7336.4 | 7416.8 | 7445.8 | 7642.3 |
| 7.5° | 5146.2 | 5233.3 | 5380.6 | 5456.6 | 5570.4 | 5606.1 | 5572.6 | 5655.2 | 5487.8 | 5608.4 | 5644.1 |
| 10° | 4134.9 | 4029.9 | 3967.4 | 4141.5 | 4163.8 | 4329.1 | 4262.1 | 4208.5 | 4306.7 | 4311.2 | 4405.0 |
| 12.5° | 3442.7 | 3217.2 | 3067.6 | 3116.7 | 3170.4 | 3241.8 | 3253.0 | 3360.1 | 3431.6 | 3498.5 | 3554.4 |
| 15° | 2699.2 | 2621.1 | 2484.9 | 2417.9 | 2493.9 | 2522.9 | 2592.1 | 2681.4 | 2757.3 | 2777.4 | 2853.3 |
| 17.5° | 2071.9 | 2085.3 | 2063.0 | 2022.7 | 2069.6 | 2091.9 | 2096.4 | 2098.7 | 2118.8 | 2105.4 | 2217.0 |
| 20° | 1667.8 | 1714.7 | 1770.4 | 1779.4 | 1795.0 | 1806.2 | 1786.1 | 1710.2 | 1712.4 | 1759.3 | 1795.0 |
| 22.5° | 1509.2 | 1518.2 | 1580.7 | 1600.8 | 1649.9 | 1629.8 | 1571.8 | 1536.0 | 1531.5 | 1542.7 | 1560.6 |
| 25° | 1384.3 | 1397.7 | 1442.3 | 1473.5 | 1511.5 | 1475.8 | 1433.4 | 1399.8 | 1395.4 | 1406.6 | 1424.4 |
| 27.5° | 1272.6 | 1292.7 | 1332.9 | 1364.1 | 1399.8 | 1366.3 | 1326.2 | 1297.2 | 1294.9 | 1292.7 | 1303.9 |
| 30° | 1183.3 | 1205.6 | 1234.6 | 1270.3 | 1294.9 | 1265.9 | 1228.0 | 1212.3 | 1210.0 | 1205.6 | 1210.0 |
| 32.5° | 1094.0 | 1129.7 | 1158.8 | 1176.6 | 1201.1 | 1178.8 | 1149.8 | 1140.9 | 1125.2 | 1111.9 | 1105.1 |
| 35° | 993.5 | 1031.4 | 1076.2 | 1098.5 | 1123.0 | 1100.7 | 1080.6 | 1042.6 | 1015.9 | 1013.6 | 1018.1 |
| 37.5° | 935.5 | 951.1 | 986.8 | 1024.8 | 1049.3 | 1038.2 | 1000.2 | 962.2 | 955.6 | 955.6 | 960.0 |
| 40° | 884.1 | 890.8 | 906.5 | 955.6 | 1000.2 | 966.7 | 919.9 | 908.7 | 908.7 | 906.5 | 908.7 |
| 42.5° | 832.8 | 839.5 | 839.5 | 877.4 | 948.8 | 895.3 | 859.6 | 859.6 | 859.6 | 861.8 | 868.5 |
| 45° | 785.9 | 788.1 | 785.9 | 812.7 | 879.6 | 835.0 | 810.5 | 817.1 | 821.6 | 826.1 | 830.5 |
| 47.5° | 745.7 | 747.9 | 745.7 | 768.0 | 801.5 | 783.6 | 770.2 | 779.2 | 788.1 | 794.8 | 799.3 |
| 50° | 709.9 | 707.8 | 712.2 | 725.6 | 741.3 | 745.7 | 736.8 | 750.2 | 754.7 | 763.6 | 774.7 |
| 52.5° | 678.7 | 676.5 | 681.0 | 687.6 | 709.9 | 709.9 | 709.9 | 721.1 | 730.1 | 739.0 | 754.7 |
| 55° | 643.0 | 645.2 | 651.9 | 660.9 | 689.9 | 685.4 | 687.6 | 696.6 | 705.5 | 718.9 | 727.8 |
| 57.5° | 609.5 | 614.0 | 622.9 | 636.3 | 665.3 | 663.1 | 665.3 | 669.8 | 681.0 | 687.6 | 696.6 |
| 60° | 571.6 | 580.5 | 591.6 | 600.6 | 629.6 | 627.3 | 638.5 | 647.5 | 654.2 | 654.2 | 658.7 |
| 62.5° | 533.6 | 547.0 | 558.1 | 564.9 | 596.1 | 598.4 | 614.0 | 620.7 | 625.1 | 620.7 | 627.3 |
| 65° | 495.6 | 515.8 | 520.2 | 529.2 | 560.4 | 562.6 | 580.5 | 596.1 | 591.6 | 587.2 | 598.4 |
| 67.5° | 457.7 | 482.2 | 480.0 | 491.2 | 522.4 | 526.9 | 542.5 | 569.3 | 560.4 | 555.9 | 564.9 |
| 70° | 415.3 | 433.2 | 435.3 | 442.1 | 484.4 | 477.8 | 502.4 | 526.9 | 520.2 | 522.4 | 522.4 |
| 72.5° | 368.4 | 384.0 | 384.0 | 397.4 | 442.1 | 430.9 | 451.0 | 477.8 | 477.8 | 475.5 | 475.5 |
| 75° | 312.6 | 321.5 | 330.4 | 350.5 | 397.4 | 384.0 | 397.4 | 422.0 | 426.4 | 422.0 | 422.0 |
| 77.5° | 252.3 | 265.7 | 270.1 | 296.9 | 330.4 | 328.2 | 341.6 | 352.7 | 361.7 | 357.2 | 357.2 |
| 80° | 178.6 | 192.0 | 209.8 | 238.9 | 259.0 | 265.7 | 272.4 | 281.3 | 285.8 | 285.8 | 290.3 |
| 82.5° | 100.5 | 120.6 | 136.2 | 165.2 | 174.1 | 207.7 | 205.4 | 212.1 | 205.4 | 180.9 | 200.9 |
| 85° | 22.3 | 42.4 | 60.3 | 75.9 | 87.1 | 120.6 | 127.2 | 142.9 | 118.3 | 109.4 | 109.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.9 | 35.7 | 49.1 | 42.4 | 35.7 | 35.7 |
| 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° | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 | 10877.4 |
| 2.5° | 9493.2 | 9687.4 | 9921.8 | 10325.9 | 10609.5 | 10915.3 | 11223.4 | 11551.6 | 11638.7 | 11728.0 |
| 5° | 7695.9 | 8077.7 | 8285.3 | 8827.9 | 9397.2 | 10120.5 | 10712.1 | 11359.6 | 11629.7 | 11692.3 |
| 7.5° | 5829.4 | 6088.4 | 6633.1 | 7182.4 | 7887.9 | 8647.0 | 9553.5 | 10562.6 | 10877.4 | 11009.1 |
| 10° | 4621.6 | 4974.3 | 5452.1 | 6041.5 | 6660.0 | 7477.1 | 8499.6 | 9678.4 | 10125.0 | 10198.7 |
| 12.5° | 3933.9 | 4326.9 | 4847.0 | 5470.0 | 6054.9 | 6671.1 | 7702.6 | 8919.4 | 9397.2 | 9555.7 |
| 15° | 3145.8 | 3621.3 | 4221.9 | 4878.3 | 5514.6 | 6188.8 | 7233.7 | 8606.8 | 9158.3 | 9343.5 |
| 17.5° | 2471.5 | 2855.5 | 3505.3 | 4217.5 | 4972.0 | 5824.9 | 7135.5 | 8756.4 | 9435.1 | 9607.0 |
| 20° | 1891.0 | 2165.6 | 2712.6 | 3465.0 | 4349.2 | 5465.5 | 7160.1 | 9321.2 | 10133.9 | 10368.3 |
| 22.5° | 1634.3 | 1774.9 | 2107.6 | 2824.3 | 3813.4 | 5152.9 | 7260.5 | 10095.9 | 11076.1 | 11466.8 |
| 25° | 1480.3 | 1553.9 | 1741.5 | 2210.3 | 3302.1 | 4849.3 | 7490.5 | 11138.6 | 12393.3 | 12652.3 |
| 27.5° | 1348.5 | 1402.1 | 1518.2 | 1855.3 | 2837.7 | 4567.9 | 7758.4 | 12295.1 | 13623.5 | 14009.7 |
| 30° | 1223.5 | 1294.9 | 1404.3 | 1647.7 | 2540.8 | 4311.2 | 8095.5 | 13232.8 | 14659.5 | 15018.9 |
| 32.5° | 1127.4 | 1198.9 | 1299.4 | 1502.6 | 2288.5 | 4041.1 | 8296.4 | 14056.7 | 15505.6 | 15811.5 |
| 35° | 1049.3 | 1109.6 | 1214.6 | 1386.5 | 2096.4 | 3835.7 | 8256.3 | 14710.8 | 16325.0 | 16637.6 |
| 37.5° | 993.5 | 1044.8 | 1149.8 | 1277.1 | 1951.3 | 3621.3 | 8236.1 | 15574.8 | 17322.9 | 17684.7 |
| 40° | 942.2 | 995.7 | 1091.7 | 1205.6 | 1806.2 | 3369.0 | 8247.3 | 16432.1 | 18385.7 | 18747.4 |
| 42.5° | 902.0 | 962.2 | 1040.4 | 1185.5 | 1656.6 | 3165.9 | 8247.3 | 17177.8 | 19310.0 | 19658.3 |
| 45° | 868.5 | 933.3 | 1009.1 | 1183.3 | 1538.3 | 3011.8 | 8191.5 | 17818.7 | 20046.8 | 20343.7 |
| 47.5° | 839.5 | 910.9 | 1020.3 | 1143.1 | 1509.2 | 2900.2 | 8142.4 | 18332.1 | 20647.4 | 20926.5 |
| 50° | 819.4 | 904.2 | 1085.1 | 1096.2 | 1518.2 | 2866.7 | 8379.0 | 18979.6 | 21176.5 | 21417.6 |
| 52.5° | 803.7 | 906.5 | 1082.8 | 1027.0 | 1502.6 | 2889.0 | 8872.5 | 19990.9 | 21911.0 | 21928.9 |
| 55° | 772.5 | 904.2 | 1027.0 | 948.8 | 1437.8 | 2927.0 | 9506.6 | 21460.1 | 23060.8 | 23074.2 |
| 57.5° | 741.3 | 879.6 | 953.3 | 881.9 | 1306.1 | 2927.0 | 10270.1 | 22851.0 | 24447.3 | 24458.5 |
| 60° | 709.9 | 915.4 | 837.3 | 823.9 | 1134.2 | 2873.4 | 11076.1 | 23462.7 | 24882.6 | 24996.5 |
| 62.5° | 678.7 | 922.1 | 747.9 | 772.5 | 1009.1 | 2743.9 | 11676.6 | 22786.2 | 24293.3 | 24456.2 |
| 65° | 643.0 | 743.5 | 689.9 | 718.9 | 944.4 | 2527.4 | 11486.8 | 21547.1 | 23185.9 | 23380.1 |
| 67.5° | 600.6 | 629.6 | 627.3 | 663.1 | 922.1 | 2208.1 | 10486.6 | 19979.8 | 21993.6 | 21982.5 |
| 70° | 549.2 | 564.9 | 571.6 | 609.5 | 879.6 | 1960.2 | 8738.5 | 17945.9 | 20401.8 | 20651.9 |
| 72.5° | 495.6 | 509.0 | 515.8 | 549.2 | 837.3 | 1819.6 | 6782.7 | 15143.9 | 17671.3 | 18062.0 |
| 75° | 437.6 | 446.5 | 455.5 | 484.4 | 792.6 | 1612.0 | 4831.4 | 11560.5 | 13534.2 | 14148.2 |
| 77.5° | 377.3 | 377.3 | 388.4 | 417.5 | 667.6 | 1330.6 | 3241.8 | 8108.9 | 9169.4 | 9796.8 |
| 80° | 305.8 | 308.1 | 303.6 | 334.9 | 491.2 | 910.9 | 1841.9 | 5416.3 | 6101.8 | 6222.3 |
| 82.5° | 234.4 | 227.7 | 230.0 | 245.6 | 366.1 | 620.7 | 982.4 | 3364.6 | 3429.3 | 3362.4 |
| 85° | 147.4 | 147.4 | 142.9 | 160.7 | 234.4 | 323.7 | 535.8 | 2060.7 | 1609.7 | 1531.5 |
| 87.5° | 60.3 | 49.1 | 55.8 | 64.8 | 111.7 | 131.7 | 209.8 | 424.2 | 163.0 | 149.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)