

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: P531045

Luminaire Tested: **GLAN-SA6B-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-740-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18654 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

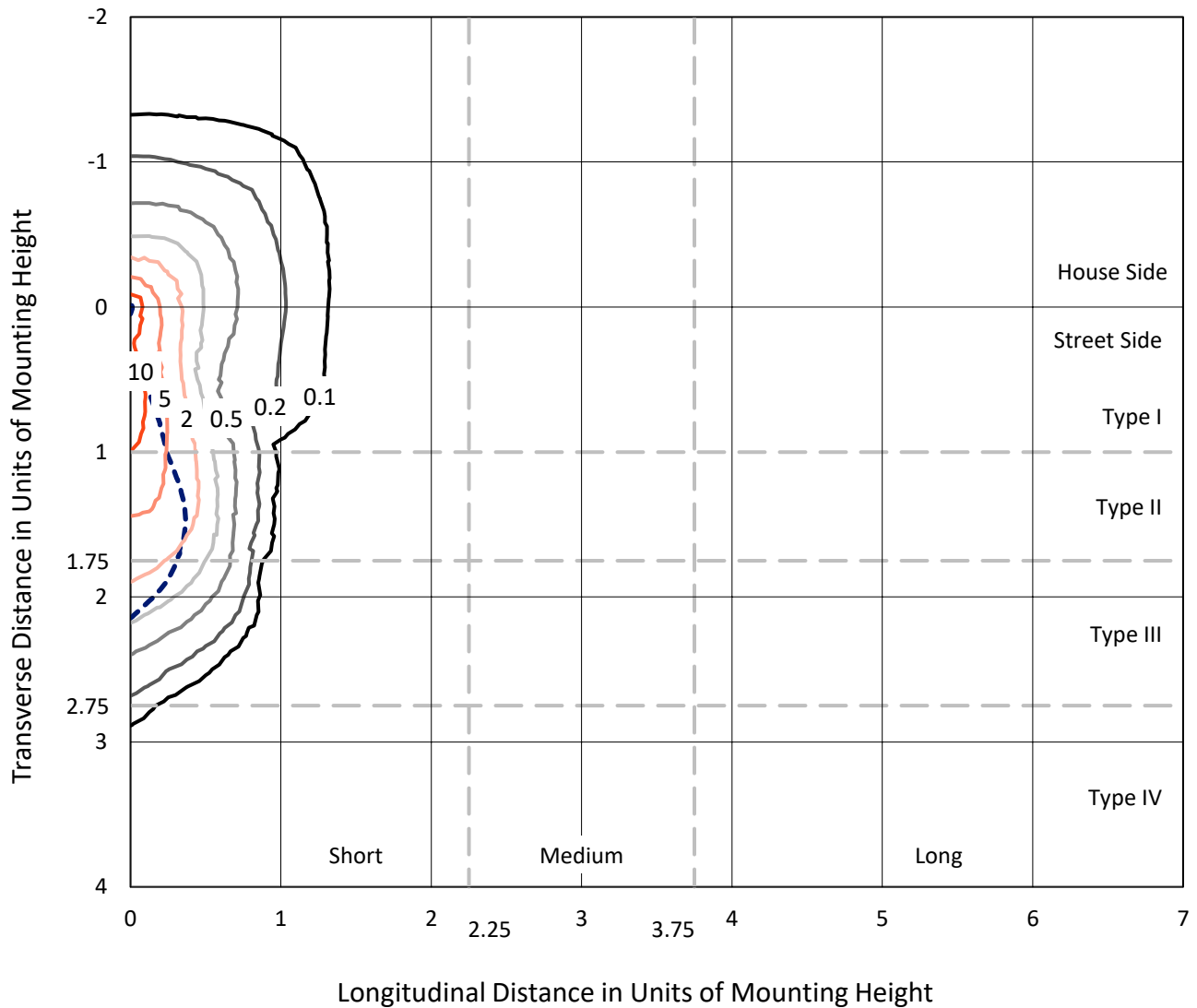
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531045
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Iso-Footcandle Lines of Horizontal Illumination

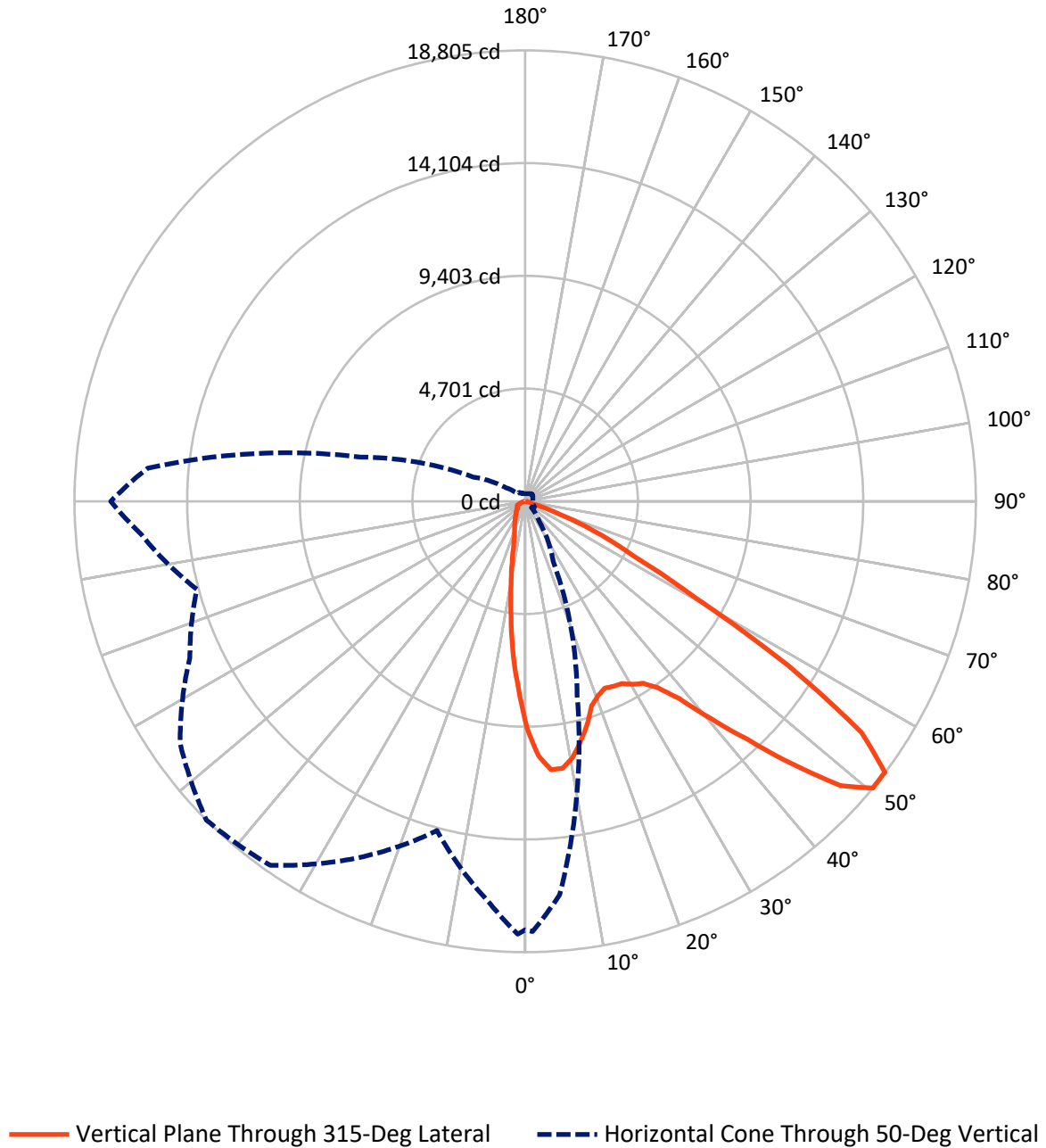
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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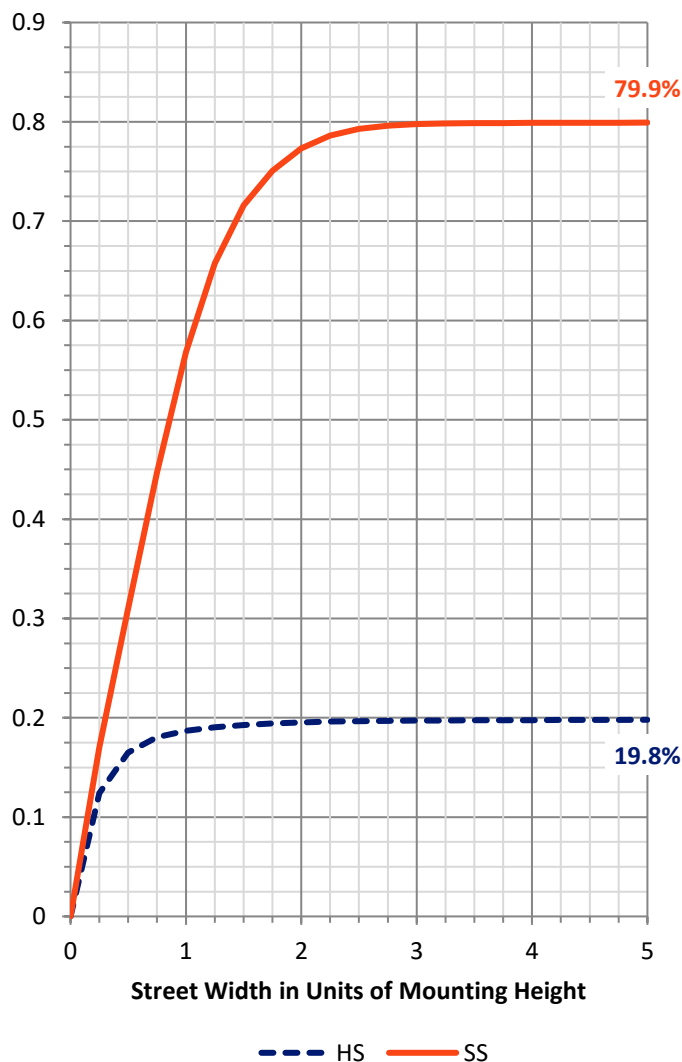
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3736.4 | 0.0 | 3736.4 |
| | % Fixture | 20.0 | 0.0 | 20.0 |
| Street Side | Lumens | 14917.6 | 0.0 | 14917.6 |
| | % Fixture | 80.0 | 0.0 | 80.0 |
| Total | Lumens | 18654.0 | 0.0 | 18654.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 689.5 | 3.7 |
| 10°-20° | 1370.4 | 7.3 |
| 20°-30° | 2058.8 | 11.0 |
| 30°-40° | 3090.2 | 16.6 |
| 40°-50° | 4343.0 | 23.3 |
| 50°-60° | 4684.7 | 25.1 |
| 60°-70° | 2175.1 | 11.7 |
| 70°-80° | 204.6 | 1.1 |
| 80°-90° | 37.7 | 0.2 |
| 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° | 18654.0 | 100.0 |
| 0°-180° | 18654.0 | 100.0 |

Coefficient of Utilization



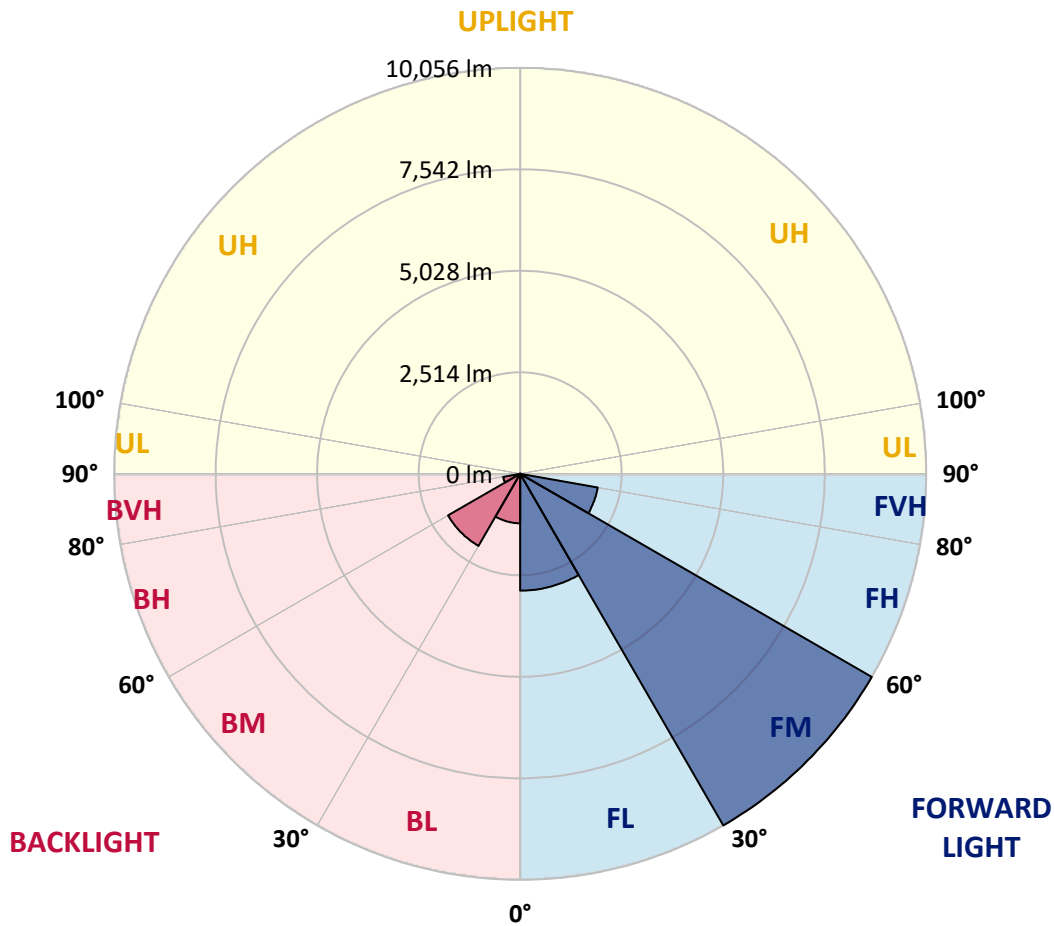
REPORT NUMBER: P531045
 CATALOG NUMBER: GLAN-SA6B-740-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2894.0 | 15.5 | | | |
| FM (30°-60°) | 10055.9 | 53.9 | | | |
| FH (60°-80°) | 1950.7 | 10.5 | | | G2/5000 |
| FVH (80°-90°) | 17.0 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1224.7 | 6.6 | B3/2500 | | |
| BM (30°-60°) | 2061.9 | 11.1 | B2/2500 | | |
| BH (60°-80°) | 429.0 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 20.7 | 0.1 | | | 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 III Short





REPORT NUMBER: P531045

CATALOG NUMBER: GLAN-SA6B-740-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 |
| 2.5° | 9833.7 | 9682.0 | 9489.5 | 9330.4 | 9093.5 | 8616.1 | 8486.5 | 8331.1 | 8201.6 | 8027.6 | 7783.3 |
| 5° | 8941.8 | 8893.7 | 8804.8 | 8205.3 | 7772.2 | 7194.9 | 6721.1 | 6521.3 | 6258.5 | 6043.8 | 5888.4 |
| 7.5° | 8260.8 | 8068.3 | 7787.0 | 7183.8 | 6491.7 | 5873.6 | 5348.0 | 5040.9 | 4693.0 | 4574.5 | 4363.6 |
| 10° | 7531.7 | 7576.1 | 7161.6 | 6314.0 | 5477.6 | 4977.9 | 4652.2 | 4356.2 | 4041.6 | 3834.3 | 3534.5 |
| 12.5° | 7298.5 | 7154.2 | 6835.9 | 5788.5 | 5074.2 | 4607.8 | 4211.8 | 3845.4 | 3512.3 | 3179.2 | 2890.5 |
| 15° | 7450.2 | 7228.2 | 6784.1 | 5677.4 | 4763.3 | 4182.2 | 3686.3 | 3190.3 | 2883.1 | 2457.5 | 2157.7 |
| 17.5° | 7994.3 | 7816.7 | 7220.8 | 5795.9 | 4604.1 | 3775.1 | 3038.6 | 2527.8 | 2057.8 | 1672.9 | 1521.1 |
| 20° | 8901.1 | 8649.4 | 7901.8 | 5947.6 | 4367.3 | 3282.8 | 2464.9 | 1835.7 | 1391.6 | 1228.8 | 1143.6 |
| 22.5° | 9789.3 | 9652.4 | 8708.6 | 6240.0 | 4156.3 | 2846.1 | 1850.5 | 1236.2 | 1040.0 | 1010.4 | 954.9 |
| 25° | 11480.7 | 11069.9 | 9941.1 | 6769.3 | 3993.5 | 2435.3 | 1395.3 | 995.6 | 880.9 | 858.6 | 866.0 |
| 27.5° | 12487.4 | 12143.2 | 11081.0 | 7120.9 | 3812.1 | 2120.7 | 1180.6 | 914.2 | 836.4 | 788.3 | 769.8 |
| 30° | 13453.4 | 13053.7 | 11647.3 | 7328.1 | 3423.5 | 1787.6 | 1047.4 | 877.2 | 858.6 | 788.3 | 766.1 |
| 32.5° | 14197.3 | 13805.0 | 12465.2 | 7639.0 | 3264.3 | 1573.0 | 862.3 | 684.7 | 636.6 | 629.2 | 695.8 |
| 35° | 15337.2 | 14919.0 | 13164.7 | 7809.3 | 3142.2 | 1461.9 | 747.6 | 610.7 | 555.2 | 533.0 | 536.7 |
| 37.5° | 16399.4 | 16114.4 | 13812.4 | 7875.9 | 3012.7 | 1428.6 | 669.9 | 547.8 | 499.6 | 484.8 | 481.1 |
| 40° | 17287.7 | 16651.1 | 14426.8 | 7946.2 | 2957.2 | 1365.7 | 621.8 | 499.6 | 466.3 | 444.1 | 444.1 |
| 42.5° | 17694.8 | 17047.1 | 15115.2 | 7905.5 | 2942.3 | 1265.8 | 621.8 | 458.9 | 433.0 | 410.8 | 407.1 |
| 45° | 17606.0 | 17343.2 | 15422.3 | 7887.0 | 2942.3 | 1165.8 | 566.3 | 447.8 | 410.8 | 381.2 | 373.8 |
| 47.5° | 17835.4 | 17491.2 | 15807.3 | 7964.7 | 2883.1 | 1095.5 | 477.4 | 470.0 | 388.6 | 351.6 | 344.2 |
| 50° | 17876.2 | 17942.8 | 16477.2 | 8368.1 | 2753.6 | 1006.7 | 373.8 | 462.6 | 373.8 | 318.3 | 310.9 |
| 52° | 18142.6 | 17728.1 | 16680.7 | 8582.8 | 2616.7 | 940.1 | 314.6 | 396.0 | 359.0 | 296.1 | 288.7 |
| 52.5° | 17776.2 | 18046.4 | 16728.8 | 8660.5 | 2631.5 | 895.7 | 303.5 | 388.6 | 351.6 | 296.1 | 277.6 |
| 55° | 17365.4 | 17624.5 | 16532.7 | 8827.0 | 2413.1 | 703.2 | 236.9 | 281.3 | 318.3 | 259.1 | 248.0 |
| 57.5° | 15093.0 | 15355.7 | 14367.5 | 8083.1 | 1965.3 | 495.9 | 196.2 | 211.0 | 281.3 | 240.6 | 229.5 |
| 60° | 13416.4 | 13227.6 | 12058.1 | 6743.3 | 1395.3 | 277.6 | 155.4 | 162.8 | 307.2 | 222.1 | 218.4 |
| 62.5° | 12261.6 | 11858.2 | 10078.0 | 5207.4 | 851.2 | 185.1 | 122.1 | 125.8 | 236.9 | 207.3 | 207.3 |
| 65° | 9071.3 | 8619.8 | 6695.2 | 3149.6 | 418.2 | 129.5 | 92.5 | 99.9 | 148.0 | 177.7 | 177.7 |
| 67.5° | 5177.8 | 5003.8 | 3234.7 | 1421.2 | 174.0 | 81.4 | 70.3 | 77.7 | 114.7 | 144.3 | 136.9 |
| 70° | 2379.8 | 2135.5 | 1243.6 | 299.8 | 81.4 | 55.5 | 55.5 | 62.9 | 92.5 | 107.3 | 99.9 |
| 72.5° | 695.8 | 658.8 | 303.5 | 48.1 | 33.3 | 33.3 | 37.0 | 48.1 | 70.3 | 81.4 | 74.0 |
| 75° | 51.8 | 33.3 | 22.2 | 14.8 | 14.8 | 22.2 | 29.6 | 48.1 | 70.3 | 77.7 | 62.9 |
| 77.5° | 3.7 | 7.4 | 3.7 | 3.7 | 11.1 | 22.2 | 33.3 | 59.2 | 92.5 | 96.2 | 70.3 |
| 80° | 3.7 | 3.7 | 0.0 | 3.7 | 11.1 | 22.2 | 37.0 | 66.6 | 103.6 | 111.0 | 59.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 3.7 | 14.8 | 29.6 | 44.4 | 70.3 | 96.2 | 118.4 | 62.9 |
| 85° | 0.0 | 0.0 | 0.0 | 3.7 | 22.2 | 40.7 | 51.8 | 18.5 | 11.1 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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-SA6B-740-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 |
| 2.5° | 7957.3 | 7861.1 | 7824.1 | 7857.4 | 7846.3 | 7835.2 | 8038.7 | 7994.3 | 7986.9 | 8053.5 | 8038.7 |
| 5° | 5973.5 | 5803.3 | 6269.6 | 6080.9 | 6277.0 | 6395.4 | 6417.7 | 6428.8 | 6565.7 | 6421.4 | 6610.1 |
| 7.5° | 4256.2 | 4300.6 | 4296.9 | 4422.8 | 4648.5 | 4848.4 | 4966.8 | 4874.3 | 4866.9 | 4848.4 | 4767.0 |
| 10° | 3401.3 | 3323.6 | 3308.8 | 3279.1 | 3349.5 | 3519.7 | 3664.1 | 3549.3 | 3467.9 | 3578.9 | 3545.6 |
| 12.5° | 2779.5 | 2672.2 | 2613.0 | 2494.5 | 2498.2 | 2613.0 | 2613.0 | 2613.0 | 2694.4 | 2757.3 | 2805.4 |
| 15° | 2131.8 | 2043.0 | 2043.0 | 1924.6 | 1898.6 | 1902.3 | 1961.6 | 1969.0 | 2098.5 | 2135.5 | 2154.0 |
| 17.5° | 1491.5 | 1443.4 | 1498.9 | 1547.0 | 1517.4 | 1524.8 | 1547.0 | 1554.4 | 1573.0 | 1558.1 | 1595.2 |
| 20° | 1147.3 | 1139.9 | 1154.7 | 1239.9 | 1302.8 | 1339.8 | 1313.9 | 1276.9 | 1254.7 | 1202.8 | 1202.8 |
| 22.5° | 973.4 | 988.2 | 1014.1 | 1084.4 | 1165.8 | 1188.0 | 1158.4 | 1073.3 | 1006.7 | 999.3 | 1003.0 |
| 25° | 866.0 | 880.9 | 921.6 | 966.0 | 1010.4 | 1047.4 | 1017.8 | 954.9 | 917.9 | 884.6 | 884.6 |
| 27.5° | 799.4 | 806.8 | 829.0 | 862.3 | 899.4 | 929.0 | 917.9 | 884.6 | 843.8 | 829.0 | 795.7 |
| 30° | 747.6 | 758.7 | 784.6 | 792.0 | 825.3 | 840.1 | 821.6 | 814.2 | 788.3 | 769.8 | 758.7 |
| 32.5° | 721.7 | 718.0 | 736.5 | 743.9 | 747.6 | 758.7 | 736.5 | 747.6 | 743.9 | 714.3 | 703.2 |
| 35° | 544.1 | 573.7 | 621.8 | 662.5 | 673.6 | 688.4 | 684.7 | 669.9 | 629.2 | 595.9 | 555.2 |
| 37.5° | 488.5 | 507.0 | 533.0 | 566.3 | 610.7 | 629.2 | 621.8 | 584.8 | 536.7 | 514.4 | 507.0 |
| 40° | 451.5 | 462.6 | 484.8 | 507.0 | 551.5 | 584.8 | 558.9 | 525.6 | 488.5 | 470.0 | 458.9 |
| 42.5° | 418.2 | 421.9 | 433.0 | 455.2 | 488.5 | 540.4 | 495.9 | 451.5 | 436.7 | 425.6 | 418.2 |
| 45° | 381.2 | 381.2 | 396.0 | 407.1 | 444.1 | 492.2 | 447.8 | 407.1 | 399.7 | 392.3 | 388.6 |
| 47.5° | 351.6 | 355.3 | 362.7 | 377.5 | 407.1 | 440.4 | 410.8 | 377.5 | 359.0 | 355.3 | 347.9 |
| 50° | 314.6 | 318.3 | 333.1 | 347.9 | 384.9 | 403.4 | 384.9 | 347.9 | 329.4 | 318.3 | 318.3 |
| 52° | 285.0 | 296.1 | 310.9 | 340.5 | 366.4 | 396.0 | 373.8 | 333.1 | 310.9 | 299.8 | 292.4 |
| 52.5° | 281.3 | 288.7 | 303.5 | 336.8 | 366.4 | 392.3 | 370.1 | 329.4 | 303.5 | 296.1 | 288.7 |
| 55° | 251.7 | 262.8 | 288.7 | 329.4 | 362.7 | 392.3 | 362.7 | 325.7 | 288.7 | 270.2 | 262.8 |
| 57.5° | 240.6 | 248.0 | 281.3 | 333.1 | 359.0 | 392.3 | 362.7 | 325.7 | 288.7 | 255.4 | 248.0 |
| 60° | 229.5 | 244.3 | 281.3 | 322.0 | 355.3 | 396.0 | 366.4 | 322.0 | 281.3 | 240.6 | 240.6 |
| 62.5° | 218.4 | 229.5 | 277.6 | 314.6 | 340.5 | 381.2 | 351.6 | 314.6 | 270.2 | 229.5 | 225.8 |
| 65° | 188.8 | 207.3 | 244.3 | 262.8 | 292.4 | 329.4 | 299.8 | 273.9 | 236.9 | 203.6 | 199.9 |
| 67.5° | 144.3 | 151.7 | 181.4 | 203.6 | 222.1 | 255.4 | 240.6 | 207.3 | 181.4 | 155.4 | 155.4 |
| 70° | 99.9 | 107.3 | 129.5 | 140.6 | 159.1 | 177.7 | 166.5 | 140.6 | 122.1 | 107.3 | 103.6 |
| 72.5° | 70.3 | 74.0 | 81.4 | 88.8 | 96.2 | 103.6 | 99.9 | 81.4 | 70.3 | 66.6 | 62.9 |
| 75° | 55.5 | 62.9 | 66.6 | 62.9 | 59.2 | 55.5 | 55.5 | 48.1 | 40.7 | 37.0 | 37.0 |
| 77.5° | 55.5 | 59.2 | 55.5 | 48.1 | 40.7 | 37.0 | 33.3 | 29.6 | 22.2 | 18.5 | 22.2 |
| 80° | 48.1 | 48.1 | 48.1 | 40.7 | 37.0 | 33.3 | 29.6 | 25.9 | 22.2 | 18.5 | 18.5 |
| 82.5° | 51.8 | 51.8 | 48.1 | 40.7 | 40.7 | 33.3 | 33.3 | 29.6 | 25.9 | 18.5 | 18.5 |
| 85° | 0.0 | 0.0 | 0.0 | 7.4 | 18.5 | 33.3 | 33.3 | 29.6 | 25.9 | 22.2 | 22.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 7.4 | 14.8 | 18.5 | 22.2 | 22.2 | 22.2 |
| 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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CATALOG NUMBER: GLAN-SA6B-740-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 |
| 2.5° | 8172.0 | 8312.6 | 8579.1 | 8845.6 | 9008.4 | 9200.9 | 9548.8 | 9733.8 | 9974.4 | 10092.8 | 10326.0 |
| 5° | 6584.2 | 6917.3 | 7035.7 | 7339.2 | 7664.9 | 7990.6 | 8508.8 | 9078.7 | 9552.5 | 9878.2 | 10300.1 |
| 7.5° | 4804.0 | 4881.7 | 5340.6 | 5544.2 | 6077.2 | 6669.3 | 7376.2 | 8094.2 | 8693.8 | 9226.8 | 9548.8 |
| 10° | 3601.1 | 3886.1 | 4174.8 | 4563.4 | 4992.7 | 5603.4 | 6280.7 | 7072.7 | 7850.0 | 8382.9 | 8790.0 |
| 12.5° | 2894.2 | 3120.0 | 3504.9 | 3923.1 | 4452.4 | 4855.8 | 5536.8 | 6321.4 | 7328.1 | 7850.0 | 8386.6 |
| 15° | 2191.0 | 2479.7 | 2916.4 | 3349.5 | 3908.3 | 4334.0 | 5022.3 | 6010.5 | 7305.9 | 8023.9 | 8486.5 |
| 17.5° | 1624.8 | 1820.9 | 2213.2 | 2698.1 | 3268.0 | 3867.6 | 4796.6 | 5977.2 | 7553.9 | 8408.8 | 8886.3 |
| 20° | 1243.6 | 1310.2 | 1558.1 | 1991.2 | 2609.3 | 3393.9 | 4430.2 | 6121.6 | 8286.7 | 9345.2 | 9830.0 |
| 22.5° | 1006.7 | 1036.3 | 1132.5 | 1432.3 | 2031.9 | 2979.4 | 4256.2 | 6221.5 | 9112.0 | 10466.6 | 11114.3 |
| 25° | 877.2 | 869.8 | 932.7 | 1062.2 | 1587.8 | 2590.7 | 4034.2 | 6599.0 | 10122.4 | 11784.2 | 12365.3 |
| 27.5° | 799.4 | 799.4 | 829.0 | 921.6 | 1317.6 | 2339.1 | 3893.5 | 6869.2 | 11140.2 | 12942.6 | 13257.2 |
| 30° | 758.7 | 766.1 | 851.2 | 880.9 | 1095.5 | 2039.3 | 3660.4 | 7143.1 | 12113.6 | 13682.8 | 14115.9 |
| 32.5° | 703.2 | 673.6 | 655.1 | 729.1 | 921.6 | 1769.1 | 3427.2 | 7257.8 | 12901.9 | 14589.6 | 14959.7 |
| 35° | 540.4 | 525.6 | 547.8 | 603.3 | 792.0 | 1539.6 | 3168.1 | 7387.3 | 13808.7 | 15640.7 | 15714.7 |
| 37.5° | 488.5 | 484.8 | 499.6 | 547.8 | 666.2 | 1339.8 | 2983.1 | 7354.0 | 14500.8 | 16510.5 | 16310.6 |
| 40° | 451.5 | 451.5 | 462.6 | 503.3 | 595.9 | 1199.1 | 2790.6 | 7324.4 | 15170.7 | 17487.5 | 16902.8 |
| 42.5° | 421.9 | 421.9 | 440.4 | 466.3 | 566.3 | 1106.6 | 2646.3 | 7283.7 | 15733.2 | 18087.1 | 17250.7 |
| 45° | 381.2 | 392.3 | 421.9 | 447.8 | 573.7 | 1043.7 | 2538.9 | 7128.3 | 15925.7 | 18079.7 | 17084.1 |
| 47.5° | 351.6 | 366.4 | 396.0 | 433.0 | 518.1 | 1025.2 | 2464.9 | 6991.3 | 15859.1 | 17635.6 | 16562.3 |
| 50° | 318.3 | 336.8 | 377.5 | 440.4 | 440.4 | 988.2 | 2387.2 | 7113.5 | 15811.0 | 17291.4 | 16062.6 |
| 52° | 296.1 | 310.9 | 362.7 | 429.3 | 384.9 | 910.5 | 2339.1 | 7350.3 | 16007.1 | 17247.0 | 15840.6 |
| 52.5° | 292.4 | 303.5 | 351.6 | 421.9 | 366.4 | 895.7 | 2305.8 | 7405.8 | 16070.0 | 17135.9 | 15992.3 |
| 55° | 259.1 | 273.9 | 322.0 | 329.4 | 299.8 | 736.5 | 2198.4 | 7531.7 | 15759.1 | 16917.6 | 15848.0 |
| 57.5° | 244.3 | 251.7 | 285.0 | 270.2 | 259.1 | 555.2 | 1891.2 | 7335.5 | 13997.4 | 15026.3 | 14745.1 |
| 60° | 225.8 | 233.2 | 266.5 | 211.0 | 218.4 | 388.6 | 1421.2 | 6369.5 | 11240.1 | 12520.7 | 13027.8 |
| 62.5° | 218.4 | 214.7 | 251.7 | 170.2 | 185.1 | 281.3 | 1003.0 | 5177.8 | 8660.5 | 10307.5 | 11184.6 |
| 65° | 192.5 | 188.8 | 181.4 | 144.3 | 159.1 | 218.4 | 599.6 | 3379.1 | 6103.1 | 7798.1 | 8279.3 |
| 67.5° | 148.0 | 155.4 | 133.2 | 114.7 | 133.2 | 170.2 | 333.1 | 1513.7 | 3201.4 | 4678.1 | 5066.8 |
| 70° | 103.6 | 111.0 | 107.3 | 99.9 | 118.4 | 140.6 | 192.5 | 518.1 | 1325.0 | 2457.5 | 2709.2 |
| 72.5° | 62.9 | 77.7 | 81.4 | 85.1 | 103.6 | 122.1 | 136.9 | 166.5 | 351.6 | 869.8 | 1080.7 |
| 75° | 37.0 | 51.8 | 62.9 | 74.0 | 85.1 | 103.6 | 114.7 | 118.4 | 122.1 | 162.8 | 262.8 |
| 77.5° | 25.9 | 37.0 | 55.5 | 70.3 | 85.1 | 103.6 | 122.1 | 129.5 | 122.1 | 114.7 | 122.1 |
| 80° | 22.2 | 37.0 | 51.8 | 66.6 | 88.8 | 107.3 | 122.1 | 122.1 | 118.4 | 103.6 | 111.0 |
| 82.5° | 22.2 | 37.0 | 55.5 | 70.3 | 85.1 | 103.6 | 118.4 | 122.1 | 111.0 | 103.6 | 107.3 |
| 85° | 25.9 | 40.7 | 59.2 | 74.0 | 92.5 | 85.1 | 77.7 | 62.9 | 59.2 | 48.1 | 51.8 |
| 87.5° | 25.9 | 37.0 | 37.0 | 40.7 | 44.4 | 44.4 | 44.4 | 40.7 | 33.3 | 29.6 | 29.6 |
| 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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| 0° | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 | 9459.9 |
| 2.5° | 10337.1 | 10633.2 | 10622.1 | 10629.5 | 10585.1 | 10285.3 | 10140.9 | 9774.5 | 9878.2 | 9833.7 |
| 5° | 10733.1 | 11025.5 | 11277.2 | 11247.5 | 10907.0 | 10499.9 | 9896.7 | 9326.7 | 9171.2 | 8941.8 |
| 7.5° | 10337.1 | 11040.3 | 11273.5 | 11240.1 | 10736.8 | 10214.9 | 9252.7 | 8682.7 | 8412.5 | 8260.8 |
| 10° | 9707.9 | 10522.1 | 10810.8 | 10870.0 | 10529.5 | 9737.5 | 8853.0 | 7938.8 | 7794.4 | 7531.7 |
| 12.5° | 9348.9 | 9941.1 | 10118.7 | 10277.9 | 10159.4 | 9567.3 | 8549.5 | 7672.3 | 7472.5 | 7298.5 |
| 15° | 9056.5 | 9408.1 | 9482.1 | 9663.5 | 9733.8 | 9415.5 | 8708.6 | 7961.0 | 7468.8 | 7450.2 |
| 17.5° | 9326.7 | 9182.3 | 8912.2 | 8967.7 | 9189.8 | 9419.2 | 9119.4 | 8531.0 | 8053.5 | 7994.3 |
| 20° | 9774.5 | 9137.9 | 8527.3 | 8664.2 | 8849.3 | 9552.5 | 9741.2 | 9326.7 | 9052.8 | 8901.1 |
| 22.5° | 10289.0 | 9215.7 | 8405.1 | 8471.7 | 8823.3 | 9852.2 | 10747.9 | 10518.4 | 10007.7 | 9789.3 |
| 25° | 11240.1 | 9430.3 | 8501.4 | 8545.8 | 9026.9 | 10270.5 | 11658.4 | 11828.6 | 11525.1 | 11480.7 |
| 27.5° | 12169.1 | 9985.5 | 8712.3 | 8612.4 | 9130.5 | 10677.6 | 12209.8 | 13124.0 | 12591.0 | 12487.4 |
| 30° | 12642.8 | 10437.0 | 9026.9 | 8856.7 | 9559.9 | 10925.6 | 12542.9 | 13967.8 | 13501.5 | 13453.4 |
| 32.5° | 13368.3 | 10847.8 | 9271.2 | 9052.8 | 9800.4 | 11232.7 | 13164.7 | 14889.4 | 14437.9 | 14197.3 |
| 35° | 13671.7 | 11295.7 | 9807.8 | 9552.5 | 10488.8 | 11662.1 | 13483.0 | 15711.0 | 15570.4 | 15337.2 |
| 37.5° | 14256.5 | 11776.8 | 10440.7 | 10425.9 | 11321.6 | 12220.9 | 14056.7 | 16828.8 | 16802.8 | 16399.4 |
| 40° | 14304.6 | 12302.3 | 11440.0 | 11906.3 | 12609.5 | 13194.3 | 14560.0 | 17139.6 | 17561.6 | 17287.7 |
| 42.5° | 14378.6 | 13223.9 | 13168.4 | 13553.3 | 14156.6 | 14030.7 | 14578.5 | 17213.7 | 17857.7 | 17694.8 |
| 45° | 14412.0 | 14145.5 | 14926.4 | 15637.0 | 15888.7 | 15126.3 | 14404.6 | 17073.0 | 18013.1 | 17606.0 |
| 47.5° | 14145.5 | 14937.5 | 16347.6 | 17720.7 | 17794.7 | 15799.9 | 14330.5 | 16928.7 | 18105.6 | 17835.4 |
| 50° | 14182.5 | 15433.5 | 17576.4 | 18805.1 | 18534.9 | 16395.7 | 14215.8 | 16839.9 | 18057.5 | 17876.2 |
| 52° | 14093.7 | 15444.6 | 17750.3 | 18782.9 | 18594.2 | 16066.3 | 14019.6 | 16499.4 | 18013.1 | 18142.6 |
| 52.5° | 14193.6 | 15377.9 | 17569.0 | 18797.7 | 18553.5 | 16229.2 | 13993.7 | 16688.1 | 18039.0 | 17776.2 |
| 55° | 13849.4 | 14585.9 | 16506.8 | 17028.6 | 16991.6 | 14730.2 | 13198.0 | 16062.6 | 17361.7 | 17365.4 |
| 57.5° | 12517.0 | 12642.8 | 12946.3 | 12935.2 | 12765.0 | 11580.6 | 11288.3 | 14771.0 | 15477.9 | 15093.0 |
| 60° | 11029.2 | 9256.4 | 8438.4 | 8105.3 | 7916.6 | 7724.1 | 9985.5 | 13512.6 | 13579.2 | 13416.4 |
| 62.5° | 9530.2 | 6417.7 | 5329.5 | 5237.0 | 5281.4 | 5984.6 | 9652.4 | 13013.0 | 12613.2 | 12261.6 |
| 65° | 7690.8 | 4678.1 | 3871.3 | 3749.2 | 4182.2 | 4940.9 | 7813.0 | 9978.1 | 9363.7 | 9071.3 |
| 67.5° | 4829.9 | 3412.4 | 2616.7 | 2387.2 | 2909.0 | 3401.3 | 5133.4 | 6269.6 | 5581.2 | 5177.8 |
| 70° | 2864.6 | 1906.0 | 1184.3 | 1062.2 | 1195.4 | 1813.5 | 2875.7 | 3127.4 | 2587.0 | 2379.8 |
| 72.5° | 1128.8 | 699.5 | 329.4 | 281.3 | 292.4 | 636.6 | 1058.5 | 1032.6 | 780.9 | 695.8 |
| 75° | 303.5 | 211.0 | 114.7 | 92.5 | 77.7 | 118.4 | 170.2 | 111.0 | 40.7 | 51.8 |
| 77.5° | 140.6 | 125.8 | 99.9 | 77.7 | 59.2 | 44.4 | 22.2 | 7.4 | 7.4 | 3.7 |
| 80° | 122.1 | 107.3 | 92.5 | 77.7 | 59.2 | 37.0 | 18.5 | 3.7 | 3.7 | 3.7 |
| 82.5° | 114.7 | 99.9 | 85.1 | 70.3 | 55.5 | 37.0 | 18.5 | 3.7 | 0.0 | 0.0 |
| 85° | 48.1 | 62.9 | 70.3 | 66.6 | 59.2 | 37.0 | 18.5 | 3.7 | 0.0 | 0.0 |
| 87.5° | 25.9 | 22.2 | 18.5 | 14.8 | 11.1 | 7.4 | 7.4 | 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 |

(END OF REPORT)