

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: P383172

Luminaire Tested: **GLEON-SA5A-735-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA5A-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16083.2 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 162
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

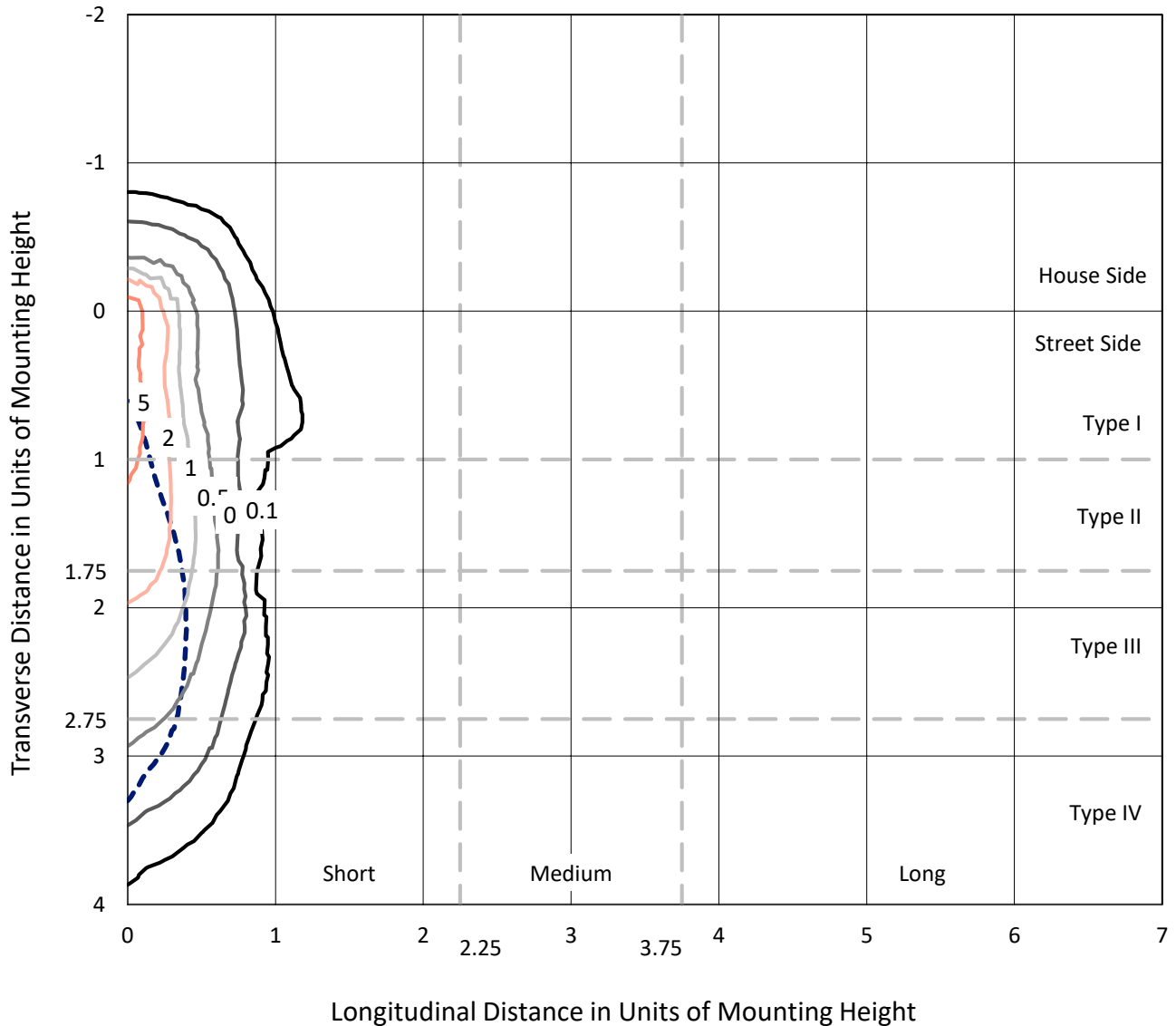




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Iso-Footcandle Lines of Horizontal Illumination

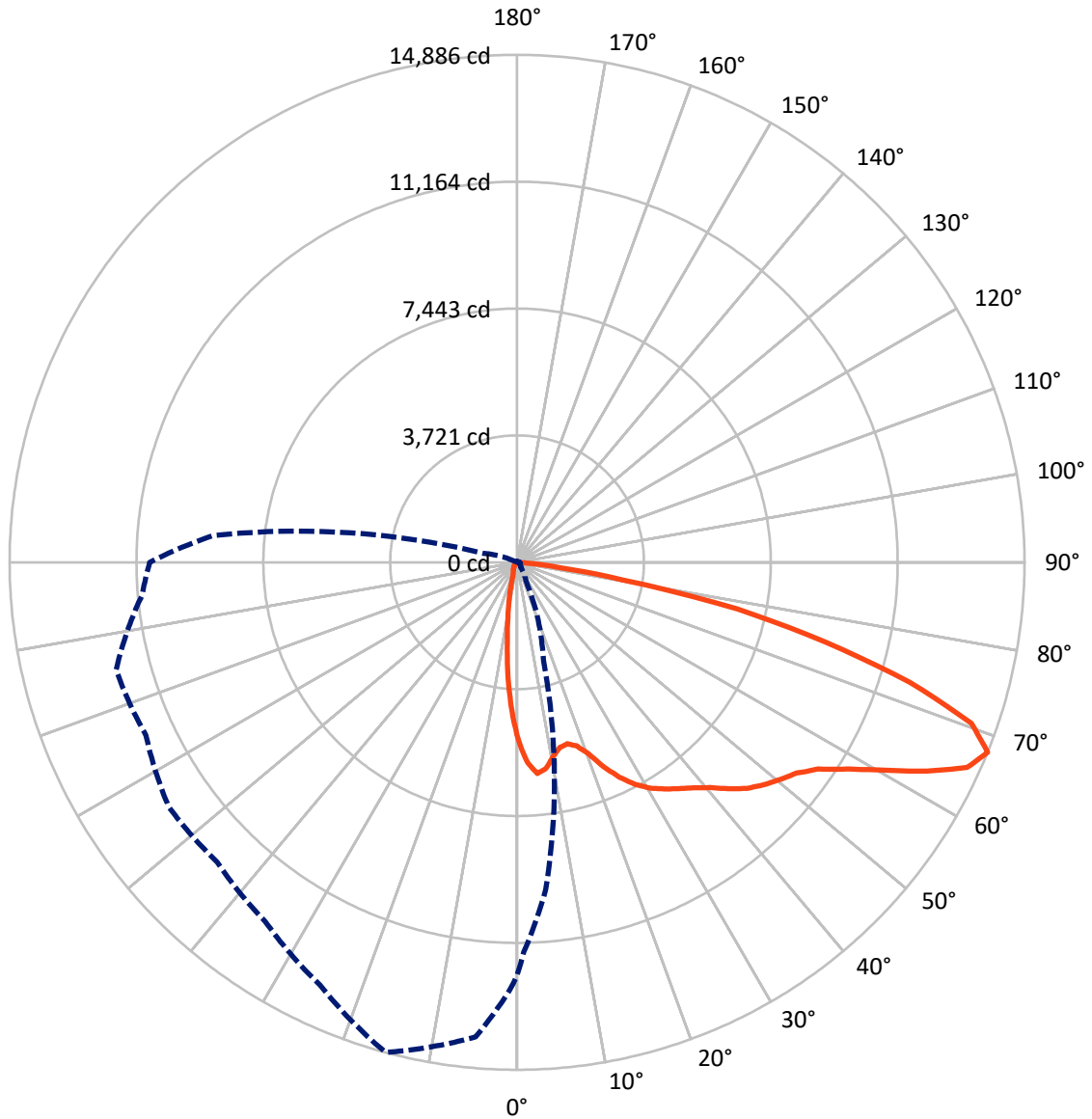
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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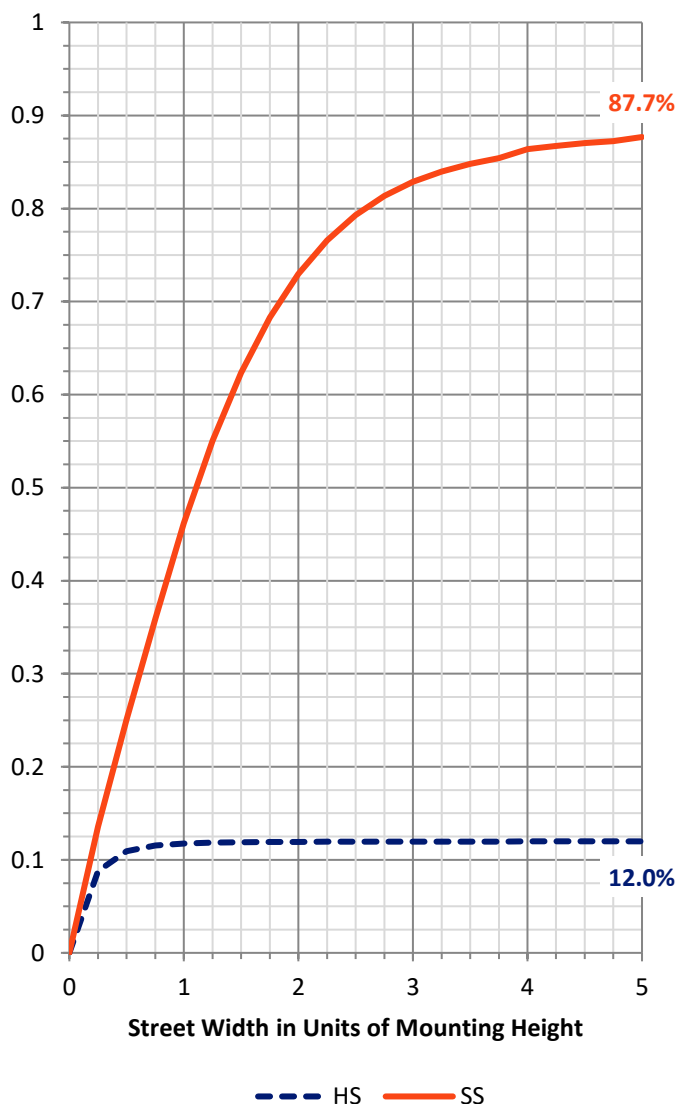
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1946.6 | 0.0 | 1946.6 |
| | % Fixture | 12.1 | 0.0 | 12.1 |
| Street Side | Lumens | 14136.6 | 0.0 | 14136.6 |
| | % Fixture | 87.9 | 0.0 | 87.9 |
| Total | Lumens | 16083.2 | 0.0 | 16083.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 402.1 | 2.5 |
| 10°-20° | 800.4 | 5.0 |
| 20°-30° | 1136.5 | 7.1 |
| 30°-40° | 1678.7 | 10.4 |
| 40°-50° | 2421.0 | 15.1 |
| 50°-60° | 3398.6 | 21.1 |
| 60°-70° | 3961.8 | 24.6 |
| 70°-80° | 2025.4 | 12.6 |
| 80°-90° | 258.7 | 1.6 |
| 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° | 16083.2 | 100.0 |
| 0°-180° | 16083.2 | 100.0 |

Coefficient of Utilization

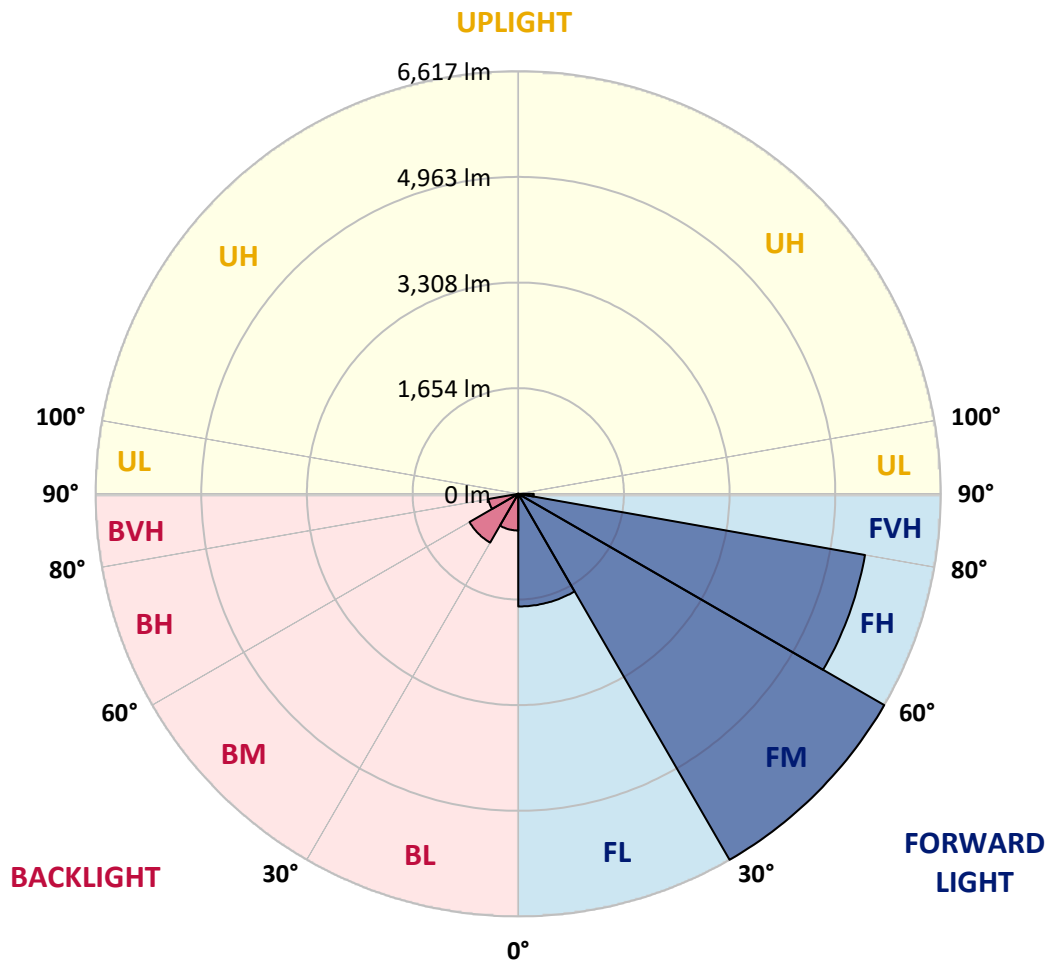


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1764.0 | 11.0 | | | |
| FM (30°-60°) | 6616.9 | 41.1 | | | |
| FH (60°-80°) | 5512.7 | 34.3 | | | G3/7500 |
| FVH (80°-90°) | 242.9 | 1.5 | | | G3/500 |
| BL (0°-30°) | 575.0 | 3.6 | B2/1000 | | |
| BM (30°-60°) | 881.5 | 5.5 | B1/1000 | | |
| BH (60°-80°) | 474.4 | 2.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 15.7 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 |
| 2.5° | 5736.6 | 5692.4 | 5643.7 | 5484.4 | 5336.6 | 5167.5 | 5029.5 | 4933.6 | 4813.1 | 4656.9 | 4617.3 |
| 5° | 5695.5 | 5648.3 | 5495.1 | 5140.7 | 4830.6 | 4528.9 | 4237.9 | 4067.2 | 3855.4 | 3640.5 | 3587.2 |
| 7.5° | 5281.7 | 5232.2 | 5011.3 | 4525.9 | 4108.3 | 3672.5 | 3294.6 | 3060.7 | 2821.5 | 2624.8 | 2520.5 |
| 10° | 4851.2 | 4797.1 | 4548.7 | 3959.7 | 3445.4 | 3051.6 | 2774.2 | 2550.9 | 2324.7 | 2114.3 | 1946.7 |
| 12.5° | 4554.8 | 4484.0 | 4214.2 | 3546.8 | 3098.8 | 2831.3 | 2572.3 | 2304.8 | 1998.5 | 1773.0 | 1588.7 |
| 15° | 4430.6 | 4349.9 | 4064.9 | 3387.6 | 2976.1 | 2662.2 | 2324.7 | 1996.3 | 1637.4 | 1379.1 | 1210.0 |
| 17.5° | 4526.7 | 4421.5 | 4115.9 | 3376.9 | 2822.2 | 2394.7 | 1968.1 | 1582.5 | 1193.2 | 931.8 | 811.5 |
| 20° | 4852.8 | 4714.8 | 4327.0 | 3373.9 | 2635.5 | 2077.1 | 1536.0 | 1100.3 | 786.3 | 632.4 | 569.2 |
| 22.5° | 5366.3 | 5184.2 | 4630.3 | 3398.2 | 2442.8 | 1743.3 | 1109.4 | 747.5 | 590.5 | 510.5 | 473.1 |
| 25° | 5986.5 | 5775.5 | 5066.9 | 3484.4 | 2273.6 | 1418.7 | 806.2 | 590.5 | 498.3 | 439.6 | 408.4 |
| 27.5° | 6576.3 | 6404.9 | 5618.5 | 3608.5 | 2142.6 | 1156.6 | 654.5 | 500.6 | 425.9 | 387.1 | 361.9 |
| 30° | 7165.3 | 6949.6 | 6184.6 | 3756.4 | 1984.8 | 979.1 | 575.2 | 456.4 | 381.7 | 340.6 | 324.6 |
| 32.5° | 7593.4 | 7414.4 | 6628.1 | 3863.0 | 1816.4 | 863.3 | 514.3 | 417.5 | 356.6 | 314.7 | 291.0 |
| 35° | 8097.1 | 7894.4 | 7008.3 | 3886.6 | 1708.3 | 790.1 | 462.5 | 375.6 | 309.4 | 272.0 | 246.9 |
| 37.5° | 8641.1 | 8388.9 | 7447.2 | 3834.8 | 1623.7 | 754.3 | 423.7 | 356.6 | 288.8 | 250.7 | 224.0 |
| 40° | 9243.0 | 8958.0 | 7868.5 | 3760.2 | 1540.6 | 742.2 | 394.0 | 342.1 | 272.8 | 233.9 | 206.5 |
| 42.5° | 9876.9 | 9540.9 | 8233.5 | 3681.7 | 1488.1 | 700.2 | 390.9 | 327.6 | 260.6 | 218.6 | 191.2 |
| 45° | 10409.6 | 10069.0 | 8608.3 | 3655.8 | 1450.7 | 654.5 | 403.8 | 317.8 | 252.2 | 206.5 | 179.8 |
| 47.5° | 10834.0 | 10511.7 | 8992.3 | 3713.7 | 1429.4 | 612.6 | 368.1 | 330.7 | 247.6 | 195.8 | 169.9 |
| 50° | 11340.7 | 10975.7 | 9533.4 | 3886.6 | 1398.2 | 570.7 | 332.9 | 378.7 | 247.6 | 188.9 | 161.5 |
| 52.5° | 11976.1 | 11614.9 | 10136.8 | 4154.8 | 1335.7 | 512.8 | 299.4 | 379.4 | 249.9 | 179.8 | 150.8 |
| 55° | 12775.3 | 12513.3 | 10998.5 | 4449.0 | 1235.9 | 427.5 | 259.1 | 326.1 | 240.8 | 163.0 | 140.9 |
| 57.5° | 13541.9 | 13327.7 | 11784.1 | 4650.1 | 1102.5 | 333.8 | 225.5 | 262.9 | 220.2 | 143.3 | 125.8 |
| 59° | 13751.4 | 13517.5 | 12072.1 | 4659.2 | 1002.7 | 291.0 | 208.8 | 217.1 | 215.7 | 134.1 | 116.5 |
| 60° | 13751.4 | 13503.0 | 12155.1 | 4610.5 | 930.3 | 267.4 | 198.1 | 193.6 | 224.8 | 128.0 | 111.2 |
| 62.5° | 13502.2 | 13153.3 | 11885.4 | 4280.6 | 758.9 | 227.9 | 173.0 | 160.0 | 201.9 | 115.0 | 98.3 |
| 65° | 12984.1 | 12475.9 | 10966.6 | 3684.0 | 676.6 | 208.8 | 149.3 | 131.1 | 140.2 | 101.4 | 86.1 |
| 67.5° | 12120.1 | 11431.3 | 9641.5 | 2976.1 | 643.8 | 203.4 | 128.7 | 111.2 | 105.9 | 86.8 | 75.5 |
| 70° | 10598.5 | 9834.3 | 8033.1 | 2339.9 | 615.7 | 201.1 | 108.2 | 93.7 | 85.3 | 73.1 | 64.0 |
| 72.5° | 7713.9 | 6916.8 | 5703.1 | 1829.4 | 598.9 | 205.7 | 86.8 | 78.4 | 70.1 | 57.1 | 49.6 |
| 75° | 4412.4 | 3890.4 | 3205.5 | 1208.4 | 510.5 | 196.6 | 67.1 | 65.5 | 50.3 | 41.2 | 34.3 |
| 77.5° | 2279.7 | 2210.4 | 1920.9 | 464.0 | 244.6 | 86.1 | 44.2 | 38.1 | 29.7 | 25.2 | 20.6 |
| 80° | 983.6 | 973.0 | 841.9 | 134.1 | 64.7 | 48.0 | 25.2 | 16.0 | 13.7 | 10.7 | 8.4 |
| 82.5° | 339.8 | 339.8 | 299.4 | 45.0 | 29.0 | 23.7 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 68.6 | 76.9 | 54.1 | 0.0 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 |
| 2.5° | 4569.3 | 4477.1 | 4471.1 | 4413.1 | 4340.7 | 4307.9 | 4288.9 | 4322.5 | 4363.6 | 4368.2 | 4429.9 |
| 5° | 3546.8 | 3450.1 | 3490.4 | 3387.6 | 3408.2 | 3387.6 | 3354.0 | 3360.1 | 3378.4 | 3321.2 | 3392.1 |
| 7.5° | 2490.8 | 2417.6 | 2464.1 | 2436.6 | 2473.3 | 2487.7 | 2467.1 | 2436.6 | 2346.8 | 2336.1 | 2397.8 |
| 10° | 1877.4 | 1794.3 | 1744.8 | 1693.0 | 1704.5 | 1728.1 | 1720.5 | 1698.4 | 1641.2 | 1644.3 | 1703.7 |
| 12.5° | 1508.6 | 1415.7 | 1317.4 | 1190.1 | 1158.9 | 1176.5 | 1158.9 | 1146.0 | 1091.1 | 1095.7 | 1148.2 |
| 15° | 1144.4 | 1068.2 | 965.4 | 863.3 | 807.7 | 813.0 | 764.2 | 730.0 | 695.7 | 654.5 | 686.5 |
| 17.5° | 772.6 | 726.1 | 695.7 | 665.1 | 598.9 | 583.6 | 521.9 | 455.6 | 429.7 | 410.7 | 424.4 |
| 20° | 547.1 | 521.9 | 509.7 | 508.3 | 470.2 | 451.1 | 390.9 | 349.7 | 336.8 | 332.9 | 341.3 |
| 22.5° | 457.2 | 438.9 | 421.3 | 411.5 | 392.4 | 370.3 | 324.6 | 304.1 | 294.8 | 290.3 | 296.4 |
| 25° | 397.8 | 384.0 | 365.7 | 349.0 | 341.3 | 317.8 | 285.0 | 269.7 | 263.6 | 259.1 | 262.1 |
| 27.5° | 353.5 | 341.3 | 320.0 | 309.4 | 303.2 | 282.6 | 254.5 | 242.3 | 237.0 | 235.4 | 234.7 |
| 30° | 318.5 | 307.0 | 287.3 | 275.1 | 264.4 | 246.1 | 229.3 | 217.1 | 211.8 | 210.3 | 208.8 |
| 32.5° | 283.5 | 274.3 | 261.3 | 249.2 | 237.7 | 221.0 | 206.5 | 196.6 | 188.2 | 186.7 | 185.9 |
| 35° | 239.2 | 230.1 | 223.3 | 222.5 | 211.8 | 195.8 | 185.2 | 172.2 | 165.3 | 163.0 | 163.9 |
| 37.5° | 212.6 | 200.4 | 185.2 | 190.5 | 187.4 | 176.0 | 161.5 | 148.6 | 141.7 | 140.2 | 140.2 |
| 40° | 195.8 | 182.9 | 165.3 | 156.2 | 165.3 | 163.0 | 140.2 | 127.2 | 120.4 | 119.6 | 118.1 |
| 42.5° | 179.8 | 166.8 | 147.1 | 131.8 | 136.4 | 143.3 | 121.1 | 109.0 | 102.1 | 100.6 | 98.3 |
| 45° | 168.4 | 154.6 | 132.6 | 115.0 | 105.9 | 120.4 | 103.6 | 88.4 | 84.6 | 81.5 | 80.0 |
| 47.5° | 157.7 | 144.8 | 119.6 | 99.8 | 84.6 | 86.8 | 83.1 | 72.4 | 67.8 | 64.7 | 64.0 |
| 50° | 148.6 | 134.9 | 108.2 | 85.3 | 70.1 | 64.0 | 67.1 | 57.1 | 53.4 | 50.3 | 48.7 |
| 52.5° | 137.9 | 124.9 | 96.0 | 73.9 | 58.7 | 50.3 | 51.0 | 45.0 | 41.2 | 38.8 | 38.1 |
| 55° | 129.5 | 116.5 | 86.1 | 64.7 | 51.8 | 41.2 | 36.6 | 35.0 | 32.8 | 31.2 | 30.5 |
| 57.5° | 118.1 | 105.9 | 76.2 | 54.9 | 44.2 | 33.5 | 28.2 | 28.2 | 27.4 | 25.9 | 25.2 |
| 59° | 111.2 | 100.6 | 70.1 | 49.6 | 40.3 | 29.0 | 25.2 | 25.9 | 25.2 | 23.7 | 22.8 |
| 60° | 105.9 | 96.0 | 65.5 | 45.7 | 38.1 | 26.6 | 22.8 | 24.4 | 23.7 | 22.1 | 21.3 |
| 62.5° | 93.7 | 86.8 | 56.4 | 38.1 | 33.5 | 21.3 | 19.0 | 20.6 | 20.6 | 19.8 | 19.0 |
| 65° | 82.3 | 74.7 | 48.0 | 32.0 | 31.2 | 18.3 | 15.3 | 18.3 | 19.0 | 17.5 | 16.0 |
| 67.5° | 71.6 | 64.0 | 41.9 | 25.9 | 29.0 | 14.4 | 11.5 | 15.3 | 20.6 | 16.0 | 14.4 |
| 70° | 60.9 | 53.4 | 32.8 | 20.6 | 30.5 | 9.9 | 9.1 | 13.7 | 24.4 | 17.5 | 13.7 |
| 72.5° | 47.2 | 41.2 | 22.8 | 15.3 | 32.8 | 6.9 | 6.9 | 11.5 | 27.4 | 19.0 | 12.9 |
| 75° | 32.8 | 26.6 | 13.7 | 9.1 | 26.6 | 4.6 | 4.6 | 10.7 | 25.9 | 17.5 | 12.2 |
| 77.5° | 19.0 | 14.4 | 4.6 | 0.7 | 13.7 | 0.0 | 0.7 | 7.6 | 18.3 | 10.7 | 5.3 |
| 80° | 6.9 | 3.1 | 0.0 | 0.0 | 8.4 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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: GLEON-SA5A-735-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 |
| 2.5° | 4445.9 | 4548.7 | 4641.0 | 4780.4 | 4945.7 | 5136.2 | 5300.0 | 5476.0 | 5641.4 | 5709.9 | 5757.2 |
| 5° | 3406.6 | 3533.8 | 3682.4 | 3887.3 | 4160.2 | 4496.2 | 4810.9 | 5166.6 | 5549.1 | 5740.4 | 5920.3 |
| 7.5° | 2408.5 | 2538.0 | 2722.4 | 2940.3 | 3270.2 | 3670.2 | 4081.7 | 4573.2 | 5091.3 | 5393.8 | 5691.7 |
| 10° | 1731.8 | 1891.1 | 2063.3 | 2361.2 | 2696.5 | 3076.0 | 3499.5 | 4048.1 | 4625.7 | 4961.0 | 5319.8 |
| 12.5° | 1178.7 | 1360.1 | 1620.6 | 1954.4 | 2348.2 | 2720.1 | 3088.1 | 3611.6 | 4282.0 | 4614.2 | 4999.1 |
| 15° | 707.0 | 807.7 | 1083.5 | 1469.8 | 1952.8 | 2416.1 | 2819.1 | 3344.2 | 4058.8 | 4465.7 | 4865.8 |
| 17.5° | 435.9 | 482.3 | 632.4 | 949.3 | 1456.8 | 2042.8 | 2595.1 | 3253.4 | 4090.8 | 4586.1 | 5014.3 |
| 20° | 347.5 | 365.7 | 413.7 | 560.8 | 965.4 | 1631.3 | 2342.9 | 3235.2 | 4352.2 | 4961.7 | 5421.1 |
| 22.5° | 301.7 | 319.2 | 351.3 | 407.6 | 607.3 | 1221.4 | 2103.7 | 3251.9 | 4727.0 | 5524.8 | 6061.2 |
| 25° | 266.0 | 281.1 | 311.6 | 358.1 | 445.0 | 860.2 | 1847.7 | 3326.6 | 5215.5 | 6223.5 | 6793.4 |
| 27.5° | 237.7 | 250.7 | 278.9 | 321.6 | 381.7 | 600.4 | 1557.4 | 3417.3 | 5794.5 | 6938.2 | 7500.4 |
| 30° | 211.8 | 223.3 | 248.4 | 288.0 | 331.4 | 461.8 | 1238.9 | 3479.0 | 6374.3 | 7500.4 | 8005.6 |
| 32.5° | 189.8 | 198.1 | 221.0 | 254.5 | 288.0 | 368.1 | 941.8 | 3469.1 | 6804.9 | 7968.3 | 8369.1 |
| 35° | 166.8 | 175.2 | 195.1 | 224.0 | 250.7 | 304.1 | 740.6 | 3284.0 | 7179.7 | 8453.7 | 8785.1 |
| 37.5° | 141.7 | 152.4 | 171.4 | 197.3 | 215.7 | 267.4 | 598.9 | 3060.7 | 7559.9 | 9008.3 | 9249.1 |
| 40° | 120.4 | 131.1 | 147.8 | 176.0 | 187.4 | 253.8 | 460.2 | 2788.7 | 7987.4 | 9628.6 | 9758.1 |
| 42.5° | 99.8 | 109.7 | 127.2 | 151.7 | 176.8 | 218.6 | 340.6 | 2477.8 | 8398.1 | 10158.9 | 10222.2 |
| 45° | 80.8 | 90.6 | 109.0 | 133.3 | 188.9 | 181.4 | 263.6 | 2144.9 | 8729.4 | 10600.1 | 10620.6 |
| 47.5° | 64.0 | 73.1 | 92.2 | 125.8 | 176.0 | 144.8 | 188.2 | 1883.5 | 9007.6 | 10944.5 | 10890.4 |
| 50° | 49.6 | 57.1 | 76.9 | 144.0 | 153.9 | 119.6 | 142.5 | 1796.7 | 9256.8 | 11157.8 | 11017.6 |
| 52.5° | 38.8 | 45.7 | 63.3 | 134.9 | 119.6 | 99.0 | 119.6 | 1878.2 | 9598.1 | 11334.5 | 11089.2 |
| 55° | 31.2 | 38.1 | 49.6 | 76.9 | 81.5 | 83.8 | 102.1 | 1954.4 | 10187.0 | 11749.1 | 11512.1 |
| 57.5° | 25.9 | 32.8 | 40.3 | 54.1 | 61.8 | 70.9 | 90.6 | 1962.8 | 10881.2 | 12437.8 | 12213.8 |
| 59° | 23.7 | 29.7 | 36.6 | 48.0 | 54.1 | 64.7 | 85.3 | 1917.0 | 11125.8 | 12688.5 | 12576.5 |
| 60° | 22.1 | 28.2 | 34.3 | 44.2 | 50.3 | 60.9 | 82.3 | 1873.6 | 11136.5 | 12679.4 | 12731.2 |
| 62.5° | 19.0 | 25.2 | 30.5 | 37.4 | 42.7 | 51.8 | 73.9 | 1712.8 | 10685.4 | 12264.1 | 12638.2 |
| 65° | 16.8 | 22.1 | 27.4 | 32.0 | 36.6 | 46.5 | 67.1 | 1419.5 | 9915.0 | 11594.3 | 12002.0 |
| 67.5° | 15.3 | 19.0 | 25.2 | 28.2 | 32.8 | 41.2 | 59.4 | 1011.8 | 8952.7 | 10775.3 | 11039.7 |
| 70° | 13.7 | 18.3 | 22.8 | 25.9 | 29.7 | 35.8 | 51.0 | 581.4 | 7559.9 | 9576.0 | 9764.2 |
| 72.5° | 12.9 | 17.5 | 20.6 | 24.4 | 26.6 | 32.0 | 46.5 | 273.5 | 5535.4 | 7671.2 | 8162.6 |
| 75° | 11.5 | 16.0 | 19.0 | 22.8 | 25.2 | 29.0 | 39.6 | 131.1 | 3681.7 | 5551.5 | 6109.9 |
| 77.5° | 6.9 | 12.9 | 17.5 | 20.6 | 22.1 | 25.2 | 32.8 | 75.5 | 2349.8 | 3842.4 | 4525.9 |
| 80° | 0.0 | 4.6 | 12.9 | 17.5 | 19.0 | 21.3 | 25.2 | 59.4 | 1257.2 | 2195.1 | 2634.8 |
| 82.5° | 0.0 | 0.0 | 9.1 | 13.7 | 12.9 | 14.4 | 19.0 | 37.4 | 566.8 | 1434.7 | 1616.8 |
| 85° | 0.0 | 0.0 | 3.1 | 10.7 | 9.1 | 6.9 | 12.9 | 12.9 | 124.2 | 726.1 | 905.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.7 | 4.6 | 3.1 | 5.3 | 1.5 | 0.7 | 54.1 | 219.5 |
| 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° | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 | 5239.0 |
| 2.5° | 5922.5 | 5978.9 | 6074.2 | 6119.1 | 6097.0 | 6003.3 | 5891.3 | 5777.0 | 5709.9 | 5736.6 |
| 5° | 6286.7 | 6577.0 | 6744.7 | 6800.3 | 6707.3 | 6497.0 | 6222.0 | 5859.2 | 5730.5 | 5695.5 |
| 7.5° | 6286.7 | 6833.0 | 7179.0 | 7239.9 | 7032.6 | 6620.4 | 6104.6 | 5538.5 | 5350.3 | 5281.7 |
| 10° | 6065.8 | 6809.4 | 7291.7 | 7388.5 | 7099.0 | 6482.5 | 5791.4 | 5145.3 | 4922.1 | 4851.2 |
| 12.5° | 5816.6 | 6617.4 | 7125.6 | 7259.0 | 7021.3 | 6345.4 | 5574.3 | 4879.4 | 4616.6 | 4554.8 |
| 15° | 5663.4 | 6381.2 | 6801.8 | 6898.6 | 6798.0 | 6265.4 | 5522.5 | 4799.4 | 4490.1 | 4430.6 |
| 17.5° | 5718.3 | 6198.3 | 6350.0 | 6406.3 | 6474.2 | 6237.2 | 5663.4 | 4974.7 | 4583.0 | 4526.7 |
| 20° | 5924.8 | 6005.6 | 5927.1 | 5998.0 | 6180.8 | 6264.7 | 5999.4 | 5398.3 | 4928.2 | 4852.8 |
| 22.5° | 6275.3 | 5905.7 | 5685.5 | 5713.7 | 5936.2 | 6355.3 | 6513.0 | 6003.3 | 5460.8 | 5366.3 |
| 25° | 6683.7 | 5986.5 | 5551.5 | 5526.3 | 5754.9 | 6474.9 | 6982.4 | 6661.6 | 6090.9 | 5986.5 |
| 27.5° | 7197.2 | 6167.9 | 5524.0 | 5498.9 | 5691.7 | 6586.9 | 7372.5 | 7312.3 | 6754.6 | 6576.3 |
| 30° | 7593.4 | 6346.2 | 5605.6 | 5547.6 | 5754.9 | 6664.7 | 7685.6 | 7864.7 | 7283.3 | 7165.3 |
| 32.5° | 7877.6 | 6556.4 | 5738.1 | 5654.3 | 5933.2 | 6798.7 | 7927.2 | 8370.6 | 7772.5 | 7593.4 |
| 35° | 8094.0 | 6785.0 | 5952.2 | 5814.3 | 6178.5 | 7002.2 | 8153.5 | 8909.3 | 8292.9 | 8097.1 |
| 37.5° | 8296.7 | 7105.8 | 6286.7 | 6122.1 | 6563.3 | 7329.8 | 8392.7 | 9520.4 | 8875.0 | 8641.1 |
| 40° | 8579.4 | 7469.2 | 6802.5 | 6656.3 | 7210.2 | 7776.3 | 8691.4 | 10157.3 | 9537.1 | 9243.0 |
| 42.5° | 8862.1 | 7859.4 | 7330.5 | 7370.2 | 8017.1 | 8318.8 | 9076.9 | 10830.9 | 10190.9 | 9876.9 |
| 45° | 9120.3 | 8261.6 | 8082.6 | 8265.4 | 8766.0 | 8913.9 | 9460.1 | 11220.2 | 10712.8 | 10409.6 |
| 47.5° | 9350.5 | 8764.6 | 8830.0 | 9317.0 | 9617.9 | 9452.6 | 9746.7 | 11556.2 | 11101.3 | 10834.0 |
| 50° | 9617.9 | 9415.2 | 9815.3 | 10504.0 | 10598.5 | 9940.2 | 10007.2 | 11954.0 | 11555.5 | 11340.7 |
| 52.5° | 9910.5 | 10101.0 | 10906.4 | 11513.6 | 11483.1 | 10469.8 | 10269.4 | 12399.7 | 12178.0 | 11976.1 |
| 55° | 10242.6 | 10654.9 | 11867.2 | 12458.4 | 12432.5 | 11061.0 | 10703.7 | 12950.6 | 12958.2 | 12775.3 |
| 57.5° | 10735.6 | 11131.9 | 12519.3 | 13222.6 | 13266.1 | 11743.7 | 11439.7 | 13567.8 | 13663.8 | 13541.9 |
| 59° | 11089.2 | 11441.2 | 12777.7 | 13541.9 | 13718.6 | 12271.7 | 11977.7 | 13925.9 | 13862.6 | 13751.4 |
| 60° | 11351.3 | 11637.8 | 12905.7 | 13708.7 | 13981.5 | 12629.8 | 12374.6 | 14136.1 | 13886.3 | 13751.4 |
| 62.5° | 11999.7 | 12066.0 | 13136.5 | 13897.7 | 14284.0 | 13425.3 | 13491.6 | 14494.3 | 13722.4 | 13502.2 |
| 65° | 12302.2 | 12336.5 | 13133.4 | 13559.4 | 13991.4 | 14044.8 | 14504.9 | 14504.9 | 13322.4 | 12984.1 |
| 67.5° | 12175.7 | 12010.4 | 12482.0 | 12437.8 | 12869.1 | 13676.7 | 14885.9 | 13973.1 | 12557.4 | 12120.1 |
| 70° | 11147.1 | 10510.9 | 10301.3 | 10320.4 | 10650.3 | 11896.0 | 14131.6 | 12408.1 | 11109.7 | 10598.5 |
| 72.5° | 9275.0 | 7748.9 | 7231.5 | 7822.0 | 7908.1 | 9142.5 | 12043.1 | 9344.4 | 8193.1 | 7713.9 |
| 75° | 7460.1 | 5462.3 | 4621.1 | 5244.4 | 5390.7 | 6690.6 | 9316.2 | 5819.7 | 4785.7 | 4412.4 |
| 77.5° | 5359.5 | 3920.9 | 3315.9 | 3272.5 | 3461.4 | 4243.2 | 6610.5 | 2928.9 | 2442.8 | 2279.7 |
| 80° | 3044.7 | 2580.7 | 2778.8 | 2621.8 | 2717.0 | 2653.0 | 3140.7 | 1284.6 | 1052.3 | 983.6 |
| 82.5° | 1837.8 | 1525.4 | 1651.9 | 1375.3 | 1740.2 | 1515.4 | 1210.0 | 411.5 | 357.3 | 339.8 |
| 85° | 1195.5 | 833.5 | 434.3 | 291.0 | 599.6 | 968.4 | 270.5 | 112.0 | 86.1 | 68.6 |
| 87.5° | 412.2 | 212.6 | 21.3 | 9.1 | 64.0 | 180.5 | 9.9 | 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)