

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: P648055

Luminaire Tested: **GALN-SA7A-835-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7A-835-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 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: 17911.1 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

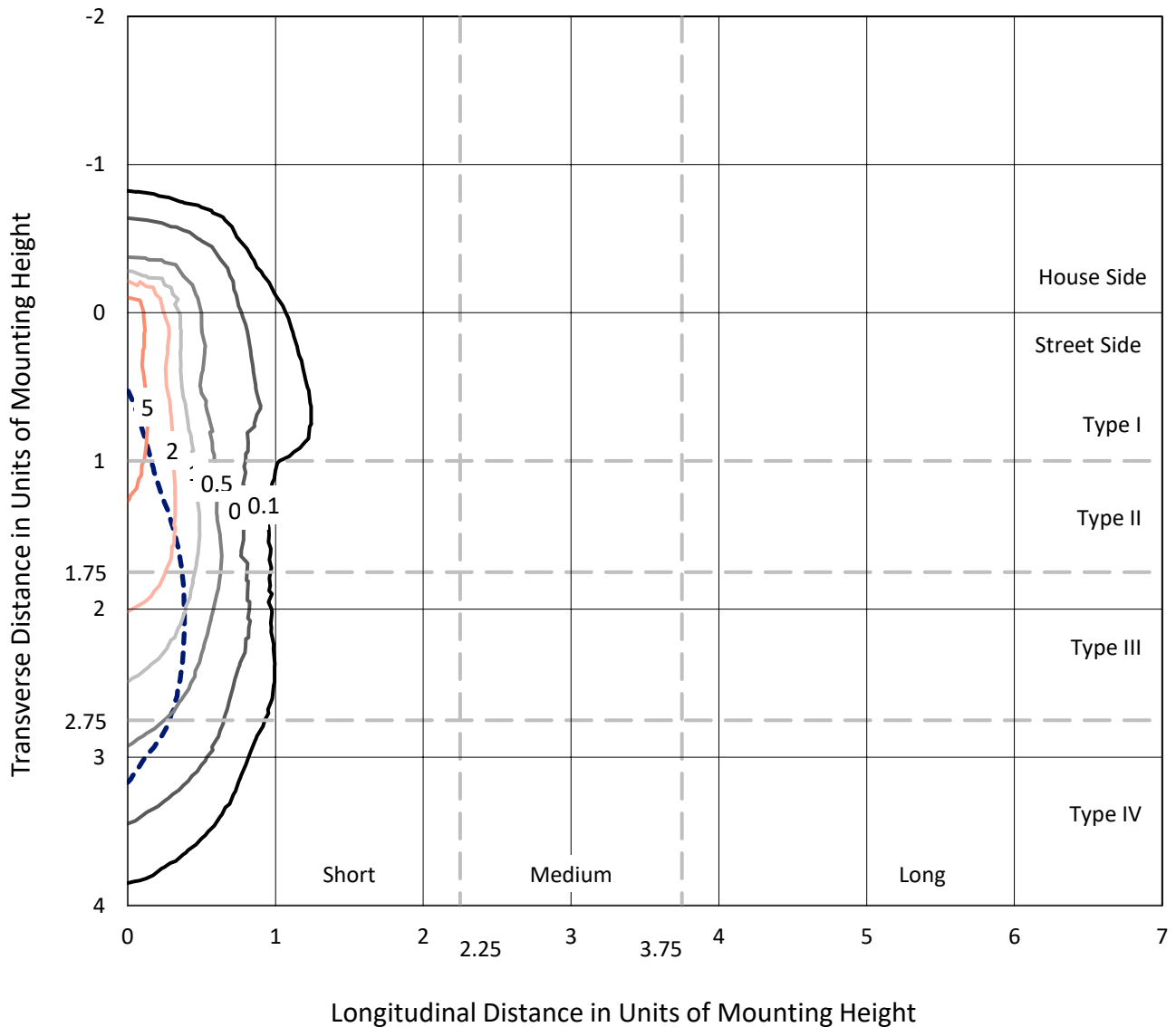
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

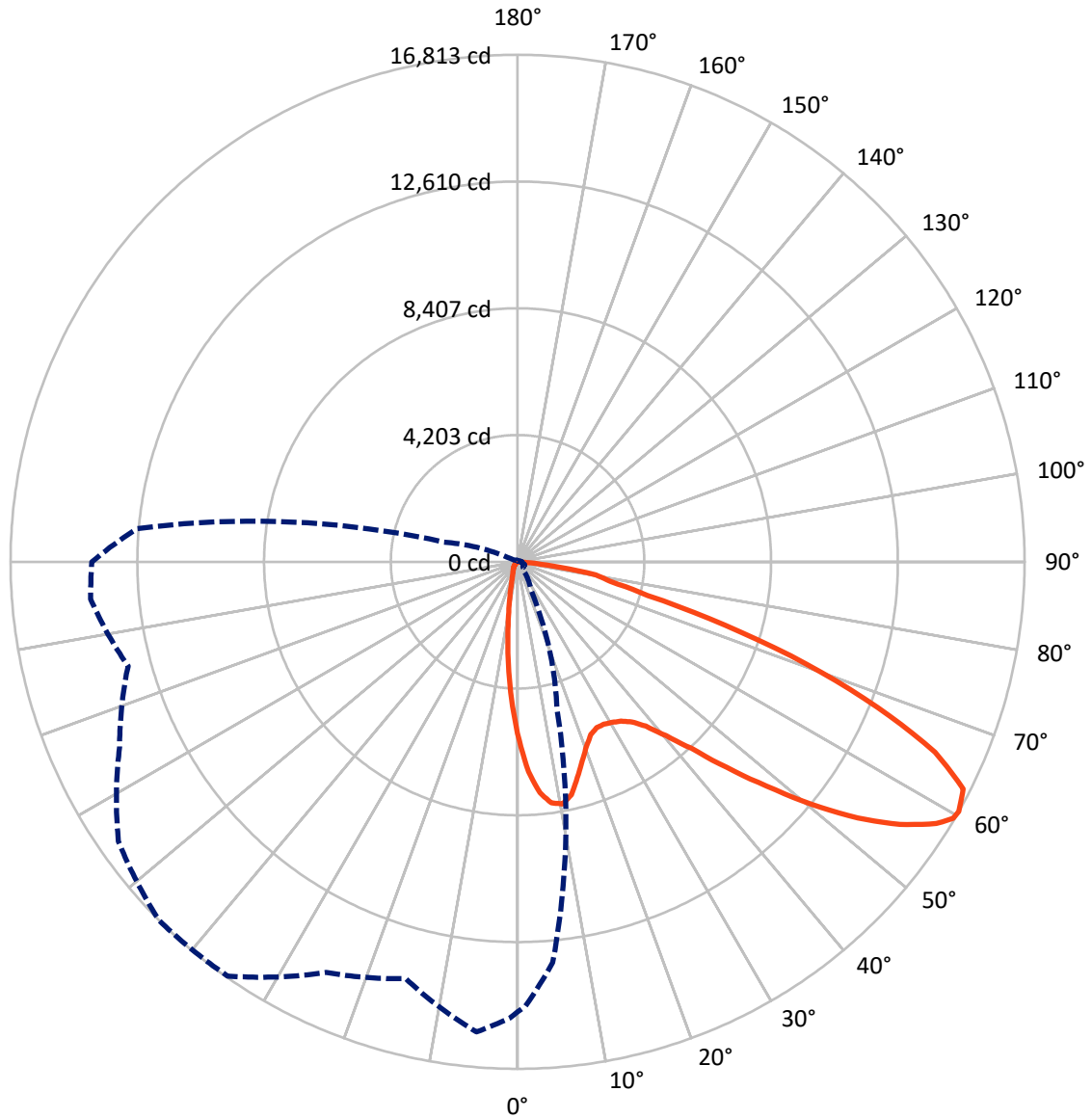
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P648055
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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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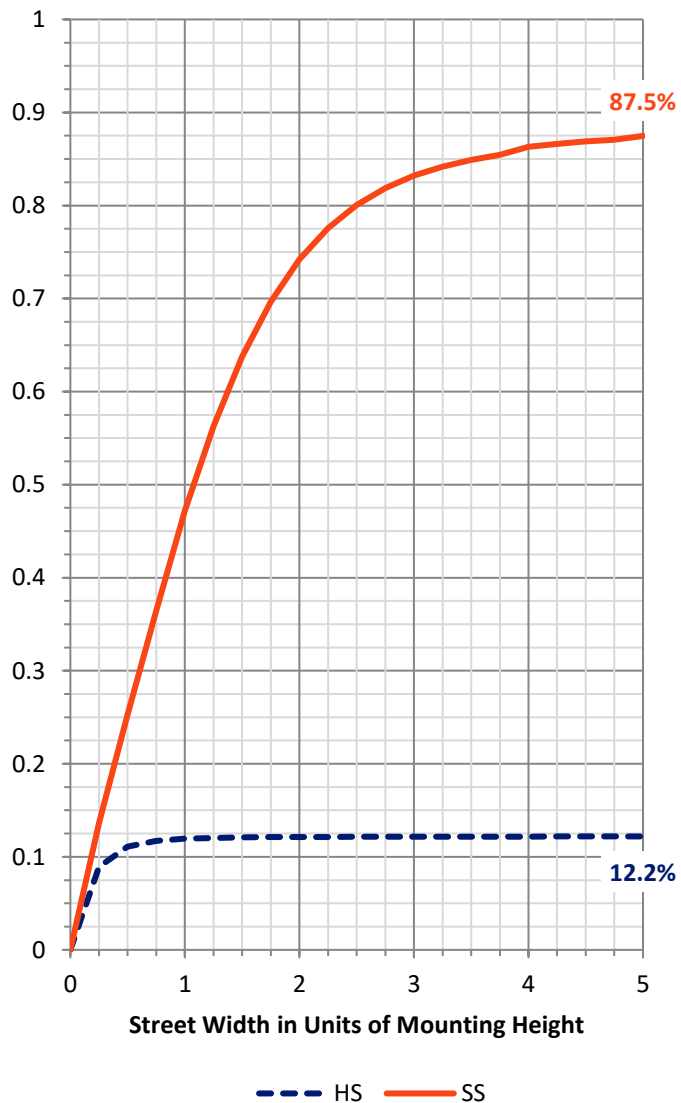
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2209.2 | 0.0 | 2209.2 |
| | % Fixture | 12.3 | 0.0 | 12.3 |
| Street Side | Lumens | 15702.0 | 0.0 | 15702.0 |
| | % Fixture | 87.7 | 0.0 | 87.7 |
| Total | Lumens | 17911.1 | 0.0 | 17911.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 440.3 | 2.5 |
| 10°-20° | 874.4 | 4.9 |
| 20°-30° | 1282.2 | 7.2 |
| 30°-40° | 1906.8 | 10.6 |
| 40°-50° | 2775.0 | 15.5 |
| 50°-60° | 4001.8 | 22.3 |
| 60°-70° | 4401.5 | 24.6 |
| 70°-80° | 1971.5 | 11.0 |
| 80°-90° | 257.6 | 1.4 |
| 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° | 17911.1 | 100.0 |
| 0°-180° | 17911.1 | 100.0 |

Coefficient of Utilization



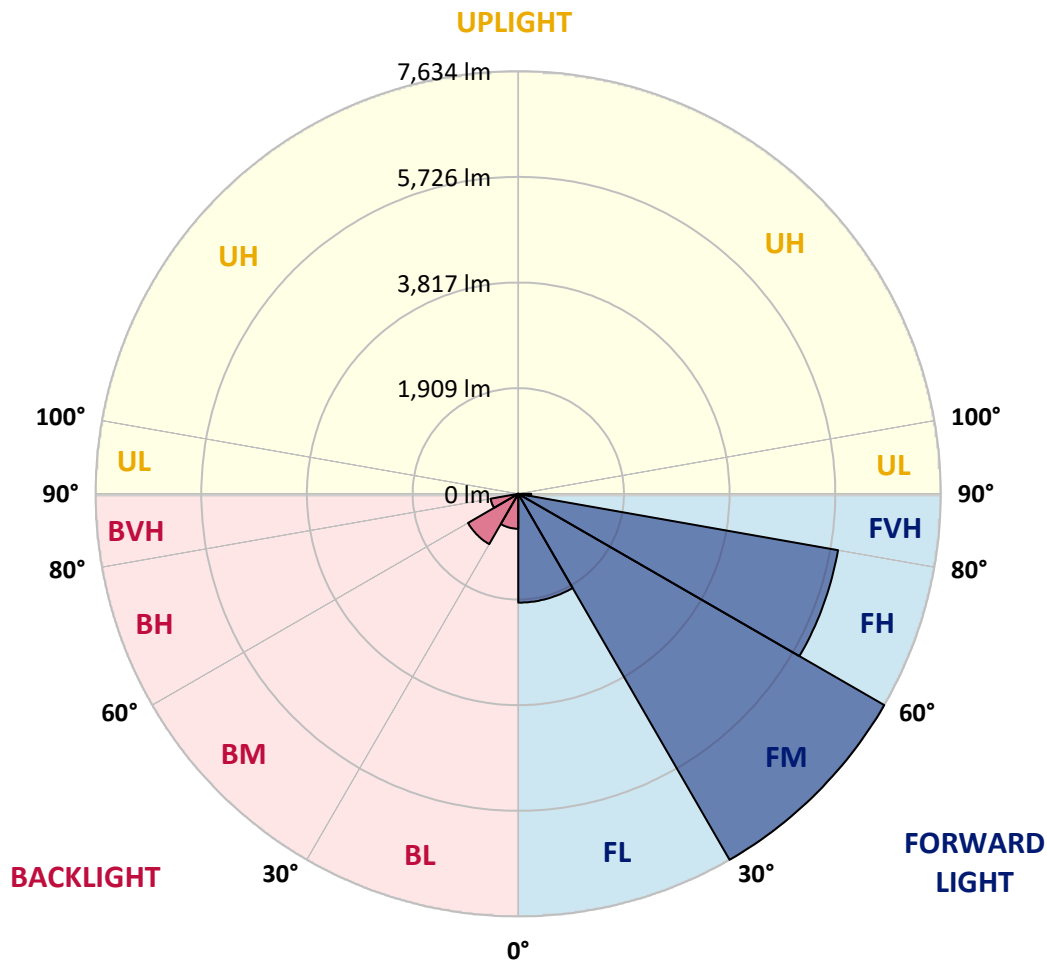
REPORT NUMBER: P648055
 CATALOG NUMBER: GALN-SA7A-835-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1965.7 | 11.0 | | | |
| FM (30°-60°) | 7634.3 | 42.6 | | | |
| FH (60°-80°) | 5866.4 | 32.8 | | | G3/7500 |
| FVH (80°-90°) | 235.6 | 1.3 | | | G3/500 |
| BL (0°-30°) | 631.2 | 3.5 | B2/1000 | | |
| BM (30°-60°) | 1049.3 | 5.9 | B2/2500 | | |
| BH (60°-80°) | 506.6 | 2.8 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 22.0 | 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 Short





REPORT NUMBER: P648055

CATALOG NUMBER: GALN-SA7A-835-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 |
| 2.5° | 6508.1 | 6479.5 | 6414.1 | 6215.3 | 6042.4 | 5816.4 | 5587.6 | 5407.9 | 5297.7 | 5094.8 | 5002.2 |
| 5° | 6305.2 | 6318.8 | 6129.6 | 5721.1 | 5266.4 | 4955.9 | 4616.9 | 4347.3 | 4050.5 | 3862.6 | 3665.2 |
| 7.5° | 5775.6 | 5748.3 | 5542.8 | 4973.6 | 4420.8 | 3971.5 | 3542.7 | 3194.1 | 2974.9 | 2799.3 | 2652.3 |
| 10° | 5322.2 | 5301.8 | 5039.0 | 4306.5 | 3712.8 | 3376.5 | 3086.6 | 2781.6 | 2546.0 | 2288.7 | 2083.1 |
| 12.5° | 5037.6 | 4991.3 | 4689.1 | 3923.9 | 3440.6 | 3127.4 | 2811.5 | 2494.3 | 2168.9 | 1908.9 | 1659.7 |
| 15° | 4942.3 | 4875.6 | 4539.3 | 3791.8 | 3266.3 | 2868.8 | 2472.5 | 2107.6 | 1733.2 | 1446.0 | 1258.0 |
| 17.5° | 5115.3 | 5004.9 | 4646.9 | 3768.7 | 3058.0 | 2531.0 | 2043.6 | 1568.5 | 1179.0 | 959.9 | 844.2 |
| 20° | 5511.5 | 5384.8 | 4919.2 | 3745.6 | 2826.6 | 2152.5 | 1553.5 | 1108.3 | 815.6 | 695.8 | 631.7 |
| 22.5° | 6099.6 | 5925.4 | 5322.2 | 3782.3 | 2612.8 | 1783.6 | 1121.9 | 782.8 | 648.1 | 573.2 | 528.3 |
| 25° | 6806.2 | 6660.5 | 5832.7 | 3913.0 | 2443.9 | 1493.6 | 867.3 | 639.9 | 546.0 | 499.7 | 465.7 |
| 27.5° | 7580.9 | 7348.1 | 6493.1 | 4069.6 | 2290.0 | 1268.9 | 761.1 | 571.8 | 486.1 | 443.9 | 426.2 |
| 30° | 8132.3 | 7951.3 | 7045.8 | 4178.5 | 2098.1 | 1100.1 | 695.8 | 563.7 | 487.4 | 437.1 | 404.3 |
| 32.5° | 8677.0 | 8445.5 | 7508.8 | 4228.9 | 1957.9 | 983.0 | 601.8 | 491.5 | 427.5 | 401.7 | 368.9 |
| 35° | 9259.7 | 9017.3 | 7970.3 | 4201.7 | 1853.0 | 905.4 | 546.0 | 438.4 | 366.3 | 322.7 | 290.0 |
| 37.5° | 9849.2 | 9593.2 | 8429.2 | 4103.6 | 1787.7 | 874.1 | 502.4 | 416.6 | 345.9 | 300.9 | 265.5 |
| 40° | 10549.0 | 10207.3 | 8859.4 | 4023.3 | 1719.6 | 857.8 | 473.8 | 403.0 | 330.8 | 283.2 | 247.8 |
| 42.5° | 11120.9 | 10795.5 | 9266.5 | 3981.1 | 1673.3 | 819.6 | 473.8 | 392.1 | 321.3 | 268.3 | 231.5 |
| 45° | 11662.8 | 11325.1 | 9706.3 | 4015.1 | 1654.2 | 772.0 | 479.3 | 390.7 | 314.5 | 257.3 | 220.6 |
| 47.5° | 12116.1 | 11823.5 | 10158.3 | 4143.1 | 1629.7 | 720.3 | 450.7 | 409.8 | 310.5 | 247.8 | 209.7 |
| 50° | 12651.2 | 12368.0 | 10756.0 | 4401.8 | 1586.2 | 668.5 | 415.2 | 441.1 | 309.1 | 239.6 | 200.1 |
| 52.5° | 13405.5 | 13099.2 | 11581.0 | 4695.9 | 1516.7 | 589.5 | 382.6 | 437.1 | 303.6 | 226.0 | 190.6 |
| 55° | 14327.3 | 14079.4 | 12536.8 | 5048.5 | 1421.5 | 501.0 | 330.8 | 388.1 | 287.3 | 202.9 | 174.3 |
| 57.5° | 14918.2 | 14707.1 | 13253.1 | 5201.0 | 1275.7 | 409.8 | 291.4 | 325.4 | 262.8 | 181.1 | 155.2 |
| 59° | 14987.6 | 14797.0 | 13402.8 | 5150.7 | 1180.5 | 374.4 | 272.3 | 279.1 | 256.0 | 168.8 | 144.3 |
| 60° | 14929.1 | 14731.6 | 13342.9 | 5052.6 | 1092.0 | 349.9 | 256.0 | 247.8 | 257.3 | 162.0 | 136.2 |
| 62.5° | 14553.3 | 14215.6 | 12761.5 | 4555.7 | 954.4 | 321.3 | 227.4 | 202.9 | 227.4 | 145.7 | 121.2 |
| 65° | 13827.5 | 13321.1 | 11611.0 | 3855.8 | 900.0 | 305.0 | 193.3 | 170.2 | 172.9 | 128.0 | 104.8 |
| 67.5° | 12560.0 | 11921.5 | 10079.3 | 3132.9 | 876.8 | 306.3 | 163.4 | 152.5 | 133.4 | 108.9 | 92.6 |
| 70° | 10555.9 | 9918.7 | 8087.5 | 2577.3 | 865.9 | 306.3 | 138.9 | 130.7 | 111.7 | 91.2 | 80.3 |
| 72.5° | 7480.2 | 6794.0 | 5455.6 | 2024.6 | 780.2 | 305.0 | 118.5 | 118.5 | 91.2 | 76.3 | 65.4 |
| 75° | 4226.2 | 4231.6 | 3429.7 | 1432.3 | 648.1 | 251.9 | 95.3 | 94.0 | 66.7 | 58.6 | 49.0 |
| 77.5° | 2463.0 | 2419.4 | 2311.9 | 615.4 | 300.9 | 114.4 | 66.7 | 57.2 | 46.3 | 42.2 | 35.4 |
| 80° | 1266.2 | 1041.5 | 1014.3 | 223.3 | 107.6 | 72.2 | 46.3 | 32.7 | 30.0 | 27.2 | 24.5 |
| 82.5° | 374.4 | 375.8 | 335.0 | 89.9 | 59.9 | 47.7 | 23.2 | 17.7 | 16.4 | 15.0 | 15.0 |
| 85° | 25.8 | 16.4 | 19.0 | 27.2 | 36.7 | 19.0 | 1.3 | 4.1 | 4.1 | 5.5 | 6.8 |
| 87.5° | 2.7 | 1.3 | 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° | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 |
| 2.5° | 4900.1 | 4960.0 | 4848.3 | 4851.1 | 4758.5 | 4788.4 | 4679.5 | 4714.9 | 4650.9 | 4700.0 | 4844.3 |
| 5° | 3687.0 | 3700.6 | 3610.7 | 3582.1 | 3595.8 | 3651.6 | 3673.4 | 3574.0 | 3616.2 | 3533.1 | 3527.7 |
| 7.5° | 2597.8 | 2614.1 | 2562.4 | 2555.6 | 2653.6 | 2630.5 | 2672.7 | 2570.5 | 2473.9 | 2516.1 | 2438.5 |
| 10° | 2017.8 | 1949.7 | 1843.5 | 1813.5 | 1794.5 | 1806.8 | 1806.8 | 1714.1 | 1700.5 | 1663.8 | 1719.6 |
| 12.5° | 1593.0 | 1509.9 | 1409.2 | 1273.0 | 1239.0 | 1236.3 | 1185.9 | 1104.2 | 1078.3 | 1047.0 | 1093.3 |
| 15° | 1157.3 | 1123.3 | 1038.8 | 962.6 | 885.0 | 870.0 | 788.3 | 721.6 | 633.1 | 620.8 | 616.8 |
| 17.5° | 814.2 | 763.8 | 762.5 | 718.9 | 673.9 | 644.0 | 567.8 | 491.5 | 457.5 | 453.4 | 453.4 |
| 20° | 610.0 | 592.3 | 563.7 | 558.2 | 544.6 | 510.6 | 442.5 | 401.7 | 385.3 | 386.6 | 392.1 |
| 22.5° | 513.3 | 501.0 | 475.2 | 462.9 | 457.5 | 427.5 | 377.2 | 349.9 | 341.8 | 341.8 | 343.1 |
| 25° | 458.8 | 448.0 | 419.4 | 400.3 | 393.5 | 371.7 | 332.2 | 311.8 | 305.0 | 305.0 | 305.0 |
| 27.5° | 418.0 | 404.3 | 374.4 | 358.1 | 345.9 | 321.3 | 296.8 | 276.4 | 269.6 | 269.6 | 270.9 |
| 30° | 389.4 | 374.4 | 347.2 | 325.4 | 306.3 | 284.5 | 264.1 | 246.4 | 238.3 | 236.9 | 238.3 |
| 32.5° | 351.3 | 337.6 | 310.5 | 296.8 | 275.0 | 249.2 | 232.8 | 216.5 | 208.3 | 209.7 | 208.3 |
| 35° | 273.7 | 269.6 | 250.5 | 254.6 | 242.3 | 220.6 | 205.6 | 187.9 | 178.4 | 177.0 | 179.7 |
| 37.5° | 249.2 | 232.8 | 211.0 | 212.4 | 208.3 | 200.1 | 175.6 | 156.6 | 149.8 | 149.8 | 151.1 |
| 40° | 230.1 | 213.8 | 189.3 | 177.0 | 178.4 | 178.4 | 152.5 | 132.1 | 125.3 | 123.9 | 126.6 |
| 42.5° | 213.8 | 197.4 | 170.2 | 149.8 | 144.3 | 151.1 | 129.4 | 108.9 | 102.1 | 99.4 | 102.1 |
| 45° | 202.9 | 185.2 | 153.9 | 130.7 | 114.4 | 122.5 | 106.2 | 89.9 | 81.7 | 81.7 | 80.3 |
| 47.5° | 192.0 | 175.6 | 141.6 | 113.0 | 95.3 | 91.2 | 87.1 | 72.2 | 64.0 | 62.6 | 64.0 |
| 50° | 182.4 | 166.1 | 128.0 | 98.0 | 80.3 | 70.8 | 70.8 | 57.2 | 51.8 | 49.0 | 50.3 |
| 52.5° | 172.9 | 155.2 | 115.7 | 87.1 | 69.5 | 57.2 | 50.3 | 46.3 | 42.2 | 40.9 | 42.2 |
| 55° | 159.3 | 141.6 | 103.5 | 74.9 | 59.9 | 47.7 | 39.5 | 38.1 | 35.4 | 32.7 | 35.4 |
| 57.5° | 143.0 | 126.6 | 91.2 | 64.0 | 47.7 | 36.7 | 32.7 | 31.3 | 28.6 | 27.2 | 27.2 |
| 59° | 133.4 | 118.5 | 84.4 | 55.8 | 42.2 | 32.7 | 30.0 | 28.6 | 25.8 | 23.2 | 24.5 |
| 60° | 128.0 | 115.7 | 80.3 | 51.8 | 38.1 | 30.0 | 27.2 | 25.8 | 23.2 | 21.8 | 23.2 |
| 62.5° | 113.0 | 103.5 | 70.8 | 42.2 | 30.0 | 21.8 | 19.0 | 20.4 | 19.0 | 17.7 | 19.0 |
| 65° | 99.4 | 91.2 | 59.9 | 32.7 | 23.2 | 15.0 | 13.6 | 17.7 | 16.4 | 15.0 | 16.4 |
| 67.5° | 88.5 | 79.0 | 50.3 | 24.5 | 16.4 | 8.1 | 9.6 | 15.0 | 15.0 | 13.6 | 15.0 |
| 70° | 76.3 | 68.0 | 40.9 | 17.7 | 8.1 | 4.1 | 6.8 | 10.9 | 13.6 | 12.2 | 13.6 |
| 72.5° | 62.6 | 53.1 | 31.3 | 12.2 | 4.1 | 0.0 | 4.1 | 9.6 | 13.6 | 12.2 | 13.6 |
| 75° | 49.0 | 39.5 | 23.2 | 6.8 | 0.0 | 0.0 | 1.3 | 8.1 | 13.6 | 12.2 | 13.6 |
| 77.5° | 35.4 | 28.6 | 13.6 | 1.3 | 0.0 | 0.0 | 1.3 | 8.1 | 13.6 | 12.2 | 13.6 |
| 80° | 23.2 | 20.4 | 5.5 | 0.0 | 0.0 | 0.0 | 1.3 | 8.1 | 13.6 | 13.6 | 15.0 |
| 82.5° | 15.0 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 10.9 | 15.0 | 16.4 | 16.4 |
| 85° | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 13.6 | 17.7 | 17.7 | 17.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 9.6 | 16.4 | 20.4 | 20.4 | 20.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P648055

CATALOG NUMBER: GALN-SA7A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 |
| 2.5° | 4868.8 | 4954.6 | 5075.7 | 5262.3 | 5413.4 | 5651.7 | 5834.1 | 6083.3 | 6335.2 | 6411.4 | 6529.8 |
| 5° | 3583.5 | 3693.8 | 3968.8 | 4219.4 | 4377.3 | 4881.1 | 5199.7 | 5702.0 | 6152.7 | 6369.2 | 6604.8 |
| 7.5° | 2488.8 | 2619.5 | 2829.2 | 3179.1 | 3511.4 | 3921.2 | 4435.9 | 5010.4 | 5670.7 | 5979.8 | 6312.0 |
| 10° | 1746.8 | 1910.2 | 2205.6 | 2492.9 | 2911.0 | 3300.3 | 3808.2 | 4442.7 | 5171.0 | 5536.0 | 5952.5 |
| 12.5° | 1102.9 | 1248.5 | 1639.3 | 1962.0 | 2483.4 | 2935.5 | 3403.8 | 3978.3 | 4822.5 | 5196.9 | 5634.0 |
| 15° | 630.4 | 752.9 | 935.4 | 1349.3 | 1927.9 | 2525.6 | 3109.7 | 3776.9 | 4644.1 | 5105.7 | 5578.2 |
| 17.5° | 469.7 | 502.4 | 584.1 | 818.2 | 1345.2 | 2043.6 | 2838.8 | 3715.6 | 4765.3 | 5307.2 | 5846.3 |
| 20° | 394.9 | 416.6 | 454.8 | 547.3 | 857.8 | 1573.9 | 2574.7 | 3726.5 | 5157.5 | 5838.2 | 6350.1 |
| 22.5° | 354.0 | 367.6 | 398.9 | 458.8 | 585.4 | 1146.4 | 2265.5 | 3790.5 | 5632.6 | 6490.4 | 7081.3 |
| 25° | 310.5 | 328.2 | 355.3 | 407.1 | 487.4 | 795.1 | 1960.6 | 3933.4 | 6298.4 | 7318.2 | 7873.7 |
| 27.5° | 276.4 | 292.8 | 319.9 | 367.6 | 427.5 | 607.2 | 1605.2 | 4055.9 | 7001.0 | 8151.4 | 8606.2 |
| 30° | 242.3 | 258.7 | 286.0 | 324.0 | 378.5 | 491.5 | 1222.7 | 4128.1 | 7683.0 | 8776.3 | 9126.3 |
| 32.5° | 213.8 | 227.4 | 253.2 | 287.3 | 332.2 | 416.6 | 964.0 | 4053.3 | 8204.5 | 9344.1 | 9578.3 |
| 35° | 185.2 | 201.5 | 223.3 | 254.6 | 294.1 | 355.3 | 801.9 | 3794.6 | 8652.5 | 9928.2 | 10012.6 |
| 37.5° | 155.2 | 174.3 | 197.4 | 226.0 | 257.3 | 326.7 | 644.0 | 3508.6 | 9131.7 | 10656.6 | 10517.7 |
| 40° | 130.7 | 148.4 | 170.2 | 201.5 | 230.1 | 299.5 | 495.6 | 3203.6 | 9649.1 | 11340.1 | 11069.1 |
| 42.5° | 106.2 | 125.3 | 151.1 | 179.7 | 227.4 | 261.4 | 384.0 | 2887.8 | 10113.4 | 11935.0 | 11567.5 |
| 45° | 84.4 | 100.8 | 128.0 | 164.7 | 226.0 | 224.6 | 296.8 | 2576.0 | 10463.3 | 12359.9 | 11939.2 |
| 47.5° | 66.7 | 80.3 | 107.6 | 160.7 | 208.3 | 190.6 | 238.3 | 2382.7 | 10830.8 | 12742.5 | 12223.7 |
| 50° | 53.1 | 66.7 | 92.6 | 167.5 | 182.4 | 163.4 | 200.1 | 2414.0 | 11186.3 | 12937.1 | 12340.8 |
| 52.5° | 44.9 | 58.6 | 80.3 | 132.1 | 140.2 | 143.0 | 175.6 | 2558.3 | 11645.1 | 13145.5 | 12573.6 |
| 55° | 39.5 | 51.8 | 68.0 | 92.6 | 108.9 | 128.0 | 160.7 | 2663.1 | 12259.1 | 13592.0 | 13086.9 |
| 57.5° | 31.3 | 44.9 | 61.2 | 79.0 | 89.9 | 111.7 | 148.4 | 2671.3 | 12814.6 | 14165.3 | 13769.1 |
| 59° | 28.6 | 40.9 | 57.2 | 74.9 | 80.3 | 100.8 | 140.2 | 2601.8 | 12835.0 | 14251.0 | 14082.2 |
| 60° | 25.8 | 39.5 | 54.5 | 69.5 | 76.3 | 95.3 | 133.4 | 2521.5 | 12649.8 | 14114.8 | 14211.5 |
| 62.5° | 21.8 | 34.1 | 47.7 | 55.8 | 65.4 | 79.0 | 115.7 | 2230.1 | 11752.6 | 13498.1 | 13971.9 |
| 65° | 19.0 | 30.0 | 40.9 | 46.3 | 54.5 | 68.0 | 102.1 | 1784.9 | 10761.5 | 12662.1 | 13285.7 |
| 67.5° | 17.7 | 27.2 | 35.4 | 39.5 | 47.7 | 62.6 | 91.2 | 1260.8 | 9477.5 | 11601.5 | 12255.0 |
| 70° | 16.4 | 25.8 | 31.3 | 36.7 | 42.2 | 53.1 | 77.6 | 735.2 | 7300.5 | 9741.7 | 10432.0 |
| 72.5° | 16.4 | 24.5 | 27.2 | 31.3 | 36.7 | 47.7 | 72.2 | 397.5 | 4991.3 | 7431.1 | 8323.0 |
| 75° | 16.4 | 23.2 | 24.5 | 27.2 | 32.7 | 43.5 | 64.0 | 208.3 | 3226.8 | 5162.9 | 6371.9 |
| 77.5° | 16.4 | 21.8 | 24.5 | 25.8 | 31.3 | 38.1 | 55.8 | 130.7 | 2149.8 | 3616.2 | 4306.5 |
| 80° | 17.7 | 21.8 | 23.2 | 25.8 | 30.0 | 35.4 | 46.3 | 87.1 | 1263.5 | 2175.7 | 2620.9 |
| 82.5° | 19.0 | 21.8 | 24.5 | 27.2 | 31.3 | 34.1 | 40.9 | 54.5 | 582.7 | 1439.2 | 1628.4 |
| 85° | 20.4 | 23.2 | 25.8 | 28.6 | 32.7 | 34.1 | 38.1 | 39.5 | 95.3 | 649.4 | 878.2 |
| 87.5° | 21.8 | 24.5 | 27.2 | 30.0 | 35.4 | 35.4 | 35.4 | 35.4 | 32.7 | 69.5 | 177.0 |
| 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-SA7A-835-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 | 5919.9 |
| 2.5° | 6679.6 | 6833.5 | 6941.1 | 6968.2 | 6890.6 | 6855.2 | 6757.2 | 6604.8 | 6512.1 | 6508.1 |
| 5° | 7039.0 | 7399.8 | 7650.4 | 7692.6 | 7542.8 | 7289.6 | 6988.7 | 6600.6 | 6373.3 | 6305.2 |
| 7.5° | 6977.8 | 7609.5 | 8012.5 | 8071.1 | 7819.2 | 7335.8 | 6753.1 | 6128.2 | 5880.4 | 5775.6 |
| 10° | 6725.9 | 7496.5 | 8072.4 | 8165.0 | 7828.7 | 7148.0 | 6407.3 | 5710.2 | 5402.5 | 5322.2 |
| 12.5° | 6510.8 | 7289.6 | 7801.5 | 7929.5 | 7674.9 | 6995.5 | 6200.3 | 5442.0 | 5112.5 | 5037.6 |
| 15° | 6416.8 | 7044.5 | 7357.6 | 7423.0 | 7380.8 | 6900.2 | 6178.6 | 5401.1 | 5024.0 | 4942.3 |
| 17.5° | 6510.8 | 6836.2 | 6875.7 | 6942.4 | 7036.4 | 6890.6 | 6388.3 | 5623.0 | 5216.0 | 5115.3 |
| 20° | 6757.2 | 6655.1 | 6491.7 | 6520.3 | 6735.4 | 6930.1 | 6761.3 | 6114.6 | 5619.0 | 5511.5 |
| 22.5° | 7176.6 | 6610.2 | 6239.8 | 6215.3 | 6487.6 | 7062.2 | 7308.6 | 6780.4 | 6205.8 | 6099.6 |
| 25° | 7691.3 | 6723.2 | 6147.3 | 6094.2 | 6391.0 | 7255.5 | 7903.6 | 7595.9 | 6968.2 | 6806.2 |
| 27.5° | 8252.2 | 6957.3 | 6147.3 | 6095.5 | 6382.8 | 7427.1 | 8412.8 | 8317.5 | 7758.0 | 7580.9 |
| 30° | 8559.8 | 7150.7 | 6235.7 | 6177.2 | 6483.6 | 7526.5 | 8685.1 | 8958.8 | 8351.6 | 8132.3 |
| 32.5° | 8834.9 | 7418.9 | 6408.7 | 6298.4 | 6694.6 | 7673.6 | 8928.9 | 9503.4 | 8824.0 | 8677.0 |
| 35° | 9088.1 | 7706.2 | 6647.0 | 6518.9 | 6972.3 | 7875.0 | 9198.4 | 10075.3 | 9481.6 | 9259.7 |
| 37.5° | 9367.3 | 8039.8 | 7018.7 | 6909.7 | 7436.6 | 8267.1 | 9518.4 | 10826.8 | 10128.3 | 9849.2 |
| 40° | 9670.8 | 8426.4 | 7629.9 | 7583.7 | 8174.5 | 8711.0 | 9922.7 | 11628.7 | 10866.3 | 10549.0 |
| 42.5° | 9980.0 | 8871.6 | 8378.8 | 8455.1 | 9010.5 | 9333.2 | 10338.0 | 12245.5 | 11470.8 | 11120.9 |
| 45° | 10260.4 | 9440.8 | 9352.3 | 9729.4 | 9985.4 | 9940.4 | 10645.7 | 12679.8 | 11997.7 | 11662.8 |
| 47.5° | 10614.4 | 10269.9 | 10530.0 | 11111.3 | 11118.1 | 10600.8 | 10878.5 | 13035.1 | 12451.1 | 12116.1 |
| 50° | 11010.6 | 11248.9 | 12050.8 | 12643.0 | 12483.8 | 11250.2 | 11150.9 | 13455.9 | 12919.4 | 12651.2 |
| 52.5° | 11469.5 | 12344.9 | 13455.9 | 14113.5 | 13741.8 | 11958.2 | 11604.2 | 13910.6 | 13662.8 | 13405.5 |
| 55° | 12003.2 | 13092.4 | 14856.9 | 15381.1 | 15006.7 | 12837.8 | 12293.2 | 14527.4 | 14502.9 | 14327.3 |
| 57.5° | 12606.3 | 13882.0 | 15668.4 | 16377.7 | 16044.1 | 13869.8 | 13255.7 | 15108.8 | 15016.2 | 14918.2 |
| 59° | 13082.8 | 14287.8 | 16026.4 | 16761.7 | 16560.1 | 14592.8 | 13902.5 | 15470.9 | 15134.6 | 14987.6 |
| 60° | 13371.4 | 14562.8 | 16158.5 | 16813.4 | 16767.1 | 15023.0 | 14312.3 | 15647.9 | 15133.3 | 14929.1 |
| 62.5° | 14227.9 | 15043.4 | 16108.1 | 16583.3 | 16764.3 | 15848.1 | 15514.5 | 15842.6 | 14852.8 | 14553.3 |
| 65° | 14532.9 | 14884.1 | 15273.5 | 15214.9 | 15370.2 | 15805.9 | 16282.4 | 15628.8 | 14253.7 | 13827.5 |
| 67.5° | 13939.2 | 13137.3 | 13274.8 | 12884.0 | 12807.8 | 14052.3 | 15970.6 | 14583.2 | 13081.5 | 12560.0 |
| 70° | 11749.9 | 10064.4 | 9994.9 | 10174.6 | 9681.8 | 11376.8 | 14340.9 | 12569.6 | 11146.8 | 10555.9 |
| 72.5° | 9248.8 | 7112.5 | 6527.1 | 7188.8 | 7173.8 | 8679.7 | 11913.3 | 8919.3 | 7530.6 | 7480.2 |
| 75° | 7273.2 | 4951.8 | 4346.0 | 4453.5 | 4660.5 | 6283.4 | 9488.4 | 5663.9 | 4637.3 | 4226.2 |
| 77.5° | 4882.4 | 3508.6 | 3273.1 | 3141.0 | 3364.3 | 4034.2 | 6002.9 | 3071.6 | 2600.5 | 2463.0 |
| 80° | 2814.3 | 2548.7 | 2894.6 | 2627.7 | 2747.5 | 2541.9 | 2985.8 | 1409.2 | 1169.6 | 1266.2 |
| 82.5° | 1831.3 | 1451.4 | 1546.7 | 1149.1 | 1571.2 | 1584.8 | 958.5 | 416.6 | 352.7 | 374.4 |
| 85° | 1145.1 | 680.7 | 382.6 | 272.3 | 541.9 | 996.6 | 299.5 | 25.8 | 30.0 | 25.8 |
| 87.5° | 296.8 | 113.0 | 47.7 | 70.8 | 87.1 | 77.6 | 69.5 | 4.1 | 1.3 | 2.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)