

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: P956559

Luminaire Tested: **GLAN-SB9A-935-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-935-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21692 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 255.5  
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

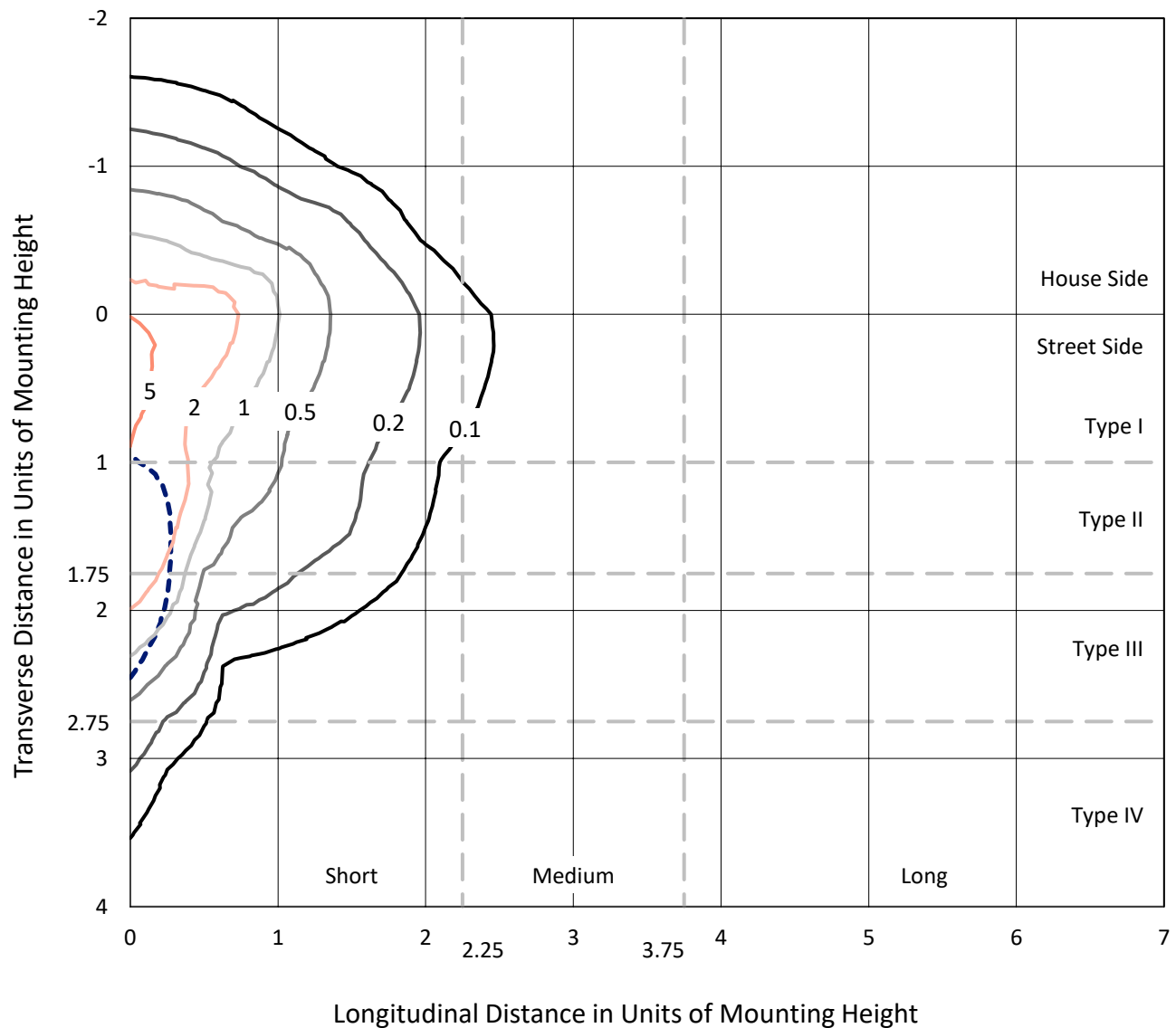


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

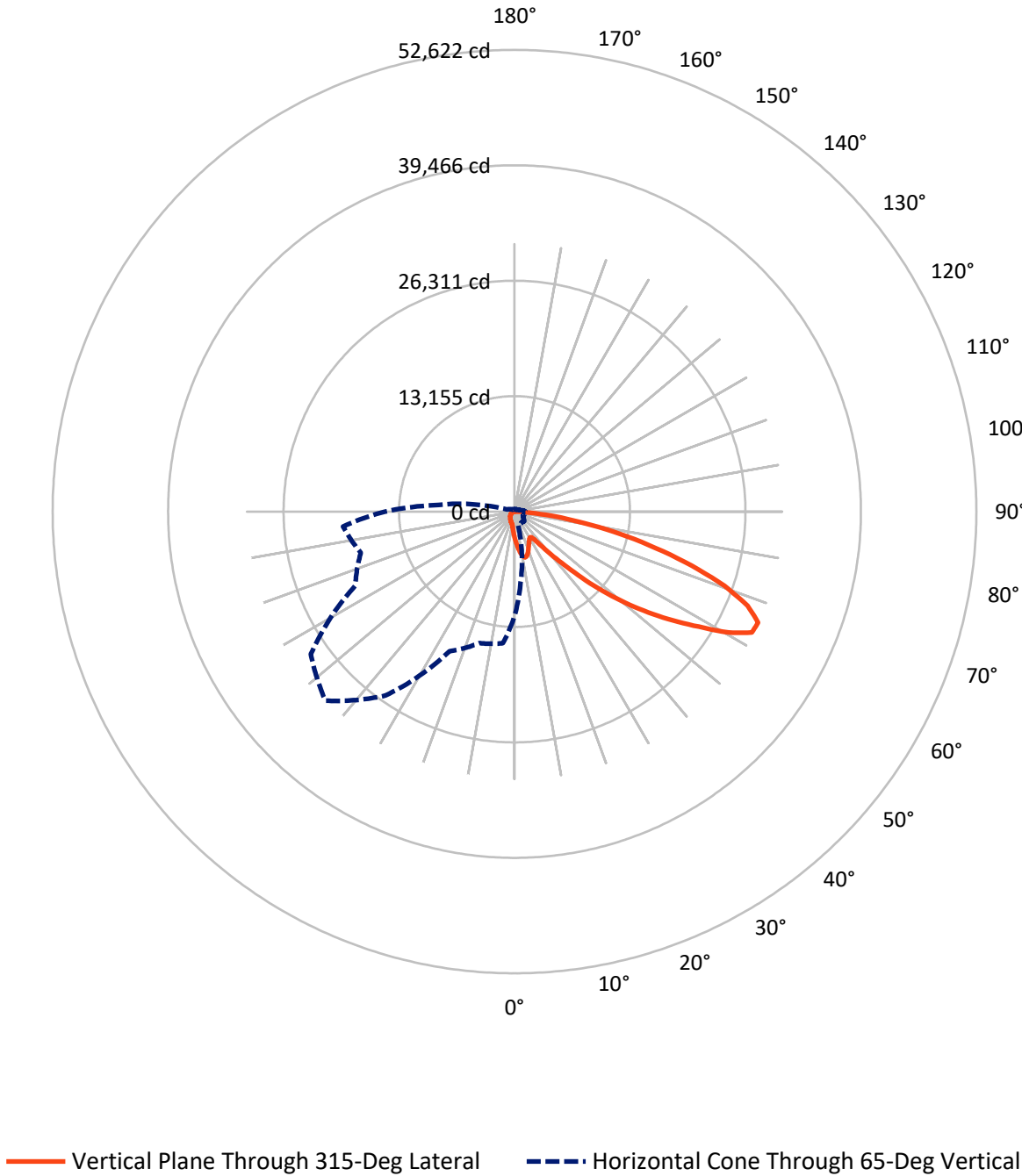


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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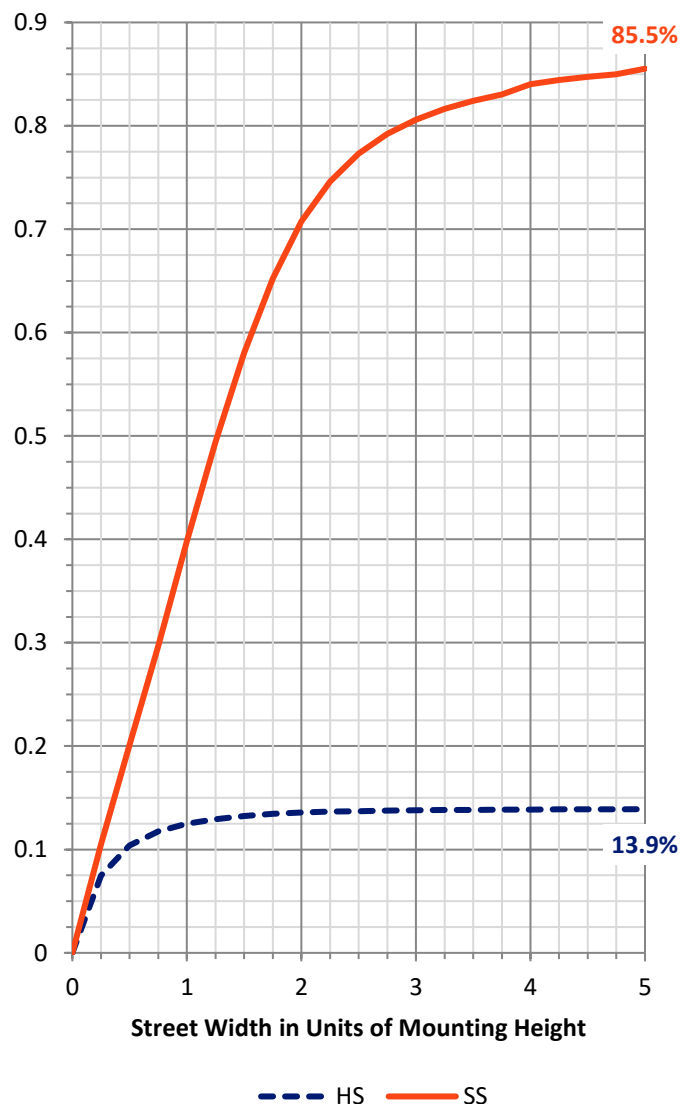
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3037.8   | 0.0    | 3037.8  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 18654.2  | 0.0    | 18654.2 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 21692.0  | 0.0    | 21692.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 295.7   | 1.4       |
| 10°-20°   | 886.5   | 4.1       |
| 20°-30°   | 1306.0  | 6.0       |
| 30°-40°   | 1677.8  | 7.7       |
| 40°-50°   | 2713.5  | 12.5      |
| 50°-60°   | 4758.4  | 21.9      |
| 60°-70°   | 5954.1  | 27.4      |
| 70°-80°   | 3479.3  | 16.0      |
| 80°-90°   | 620.8   | 2.9       |
| 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°    | 21692.0 | 100.0     |
| 0°-180°   | 21692.0 | 100.0     |

**Coefficient of Utilization**



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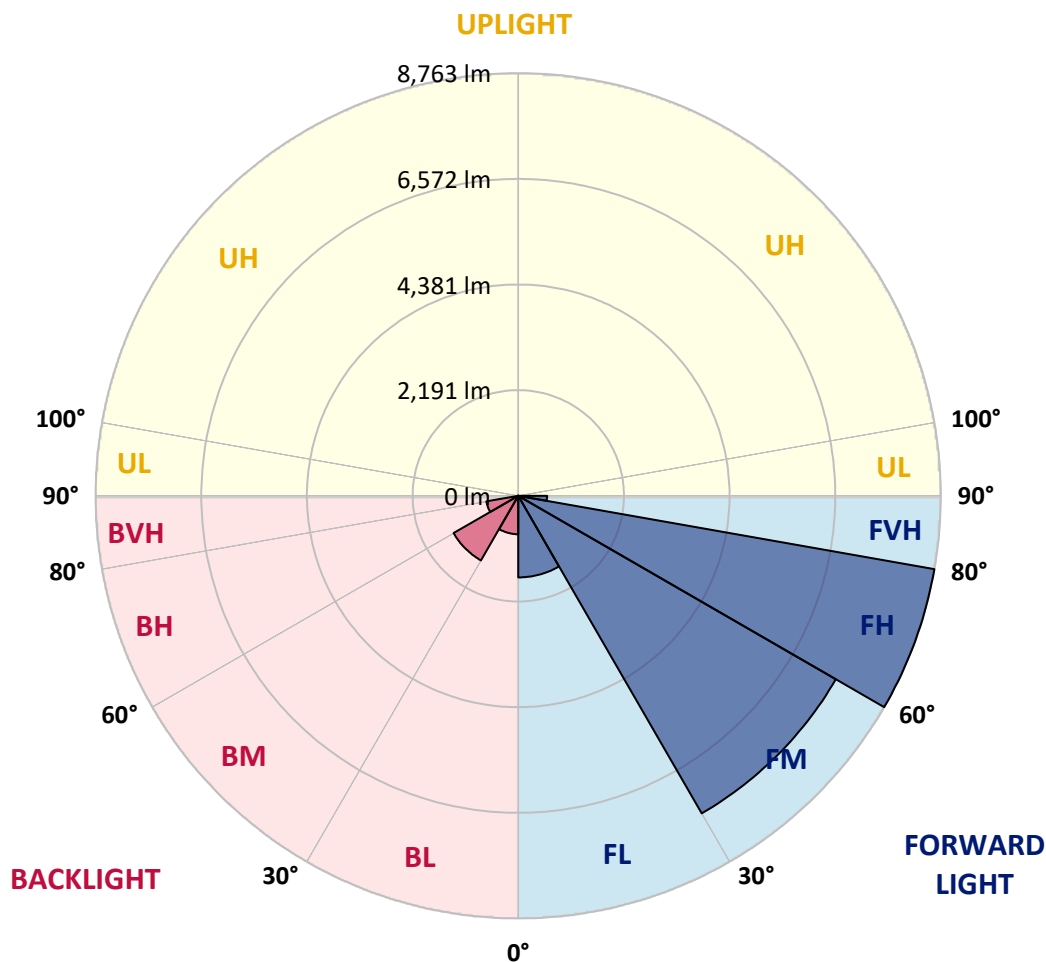
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1691.9 | 7.8       |                         |      |          |
| FM   | (30°-60°)   | 7602.8 | 35.0      |                         |      |          |
| FH   | (60°-80°)   | 8762.6 | 40.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 596.9  | 2.8       |                         |      | G4/750   |
| BL   | (0°-30°)    | 796.3  | 3.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1546.9 | 7.1       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 670.8  | 3.1       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 23.8   | 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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3003.6  | 3003.6  | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 |
| 2.5°  | 3393.7  | 3335.4  | 3301.0 | 3215.8 | 3130.7 | 3061.9 | 2969.3 | 2908.0 | 2834.8 | 2764.6 |
| 5°    | 3782.2  | 3688.1  | 3574.5 | 3419.1 | 3277.1 | 3132.2 | 2991.7 | 2852.7 | 2706.3 | 2571.8 |
| 7.5°  | 4111.0  | 3975.0  | 3774.7 | 3568.5 | 3387.7 | 3212.9 | 3048.5 | 2864.7 | 2686.8 | 2476.1 |
| 10°   | 4362.0  | 4188.7  | 3925.7 | 3655.2 | 3447.5 | 3271.1 | 3111.2 | 2955.8 | 2776.5 | 2522.5 |
| 12.5° | 4514.4  | 4329.1  | 4016.8 | 3700.0 | 3462.4 | 3265.2 | 3141.1 | 3072.4 | 3002.2 | 2749.6 |
| 15°   | 4626.5  | 4426.3  | 4081.1 | 3731.4 | 3428.0 | 3186.0 | 3094.8 | 3163.5 | 3244.2 | 3082.8 |
| 17.5° | 4743.1  | 4532.4  | 4164.8 | 3744.8 | 3335.4 | 3032.0 | 2993.2 | 3171.0 | 3357.8 | 3350.3 |
| 20°   | 4853.7  | 4644.4  | 4238.0 | 3735.9 | 3186.0 | 2845.2 | 2879.6 | 3106.8 | 3323.4 | 3414.6 |
| 22.5° | 4980.7  | 4759.5  | 4308.2 | 3701.5 | 2991.7 | 2670.4 | 2778.0 | 3005.1 | 3194.9 | 3302.5 |
| 25°   | 5136.1  | 4904.5  | 4406.8 | 3650.7 | 2782.5 | 2525.5 | 2674.9 | 2887.1 | 3041.0 | 3115.7 |
| 27.5° | 5303.5  | 5077.8  | 4538.3 | 3623.8 | 2613.6 | 2422.3 | 2558.3 | 2746.6 | 2884.1 | 2936.4 |
| 30°   | 5511.2  | 5279.5  | 4693.8 | 3593.9 | 2503.0 | 2362.6 | 2437.3 | 2583.7 | 2718.2 | 2770.5 |
| 32.5° | 5738.3  | 5503.7  | 4843.2 | 3522.2 | 2435.8 | 2317.7 | 2319.2 | 2411.9 | 2534.4 | 2597.2 |
| 35°   | 6022.2  | 5772.7  | 5003.1 | 3365.3 | 2382.0 | 2265.4 | 2204.2 | 2249.0 | 2350.6 | 2425.3 |
| 37.5° | 6427.2  | 6125.3  | 5198.9 | 3141.1 | 2302.8 | 2184.7 | 2083.1 | 2093.6 | 2171.3 | 2253.5 |
| 40°   | 6986.1  | 6599.1  | 5429.0 | 2908.0 | 2189.2 | 2071.2 | 1950.1 | 1945.6 | 2002.4 | 2083.1 |
| 42.5° | 7742.2  | 7225.2  | 5705.4 | 2685.4 | 2080.1 | 1933.7 | 1809.7 | 1802.2 | 1847.0 | 1917.3 |
| 45°   | 8740.5  | 8026.2  | 6044.7 | 2494.1 | 1995.0 | 1799.2 | 1676.7 | 1673.7 | 1711.0 | 1772.3 |
| 47.5° | 10018.1 | 9139.5  | 6383.9 | 2364.1 | 1950.1 | 1693.1 | 1567.6 | 1573.6 | 1606.4 | 1661.7 |
| 50°   | 11672.4 | 10590.5 | 6487.0 | 2298.3 | 1950.1 | 1636.3 | 1470.4 | 1500.3 | 1527.2 | 1569.1 |
| 52.5° | 13655.4 | 11983.2 | 6146.3 | 2238.5 | 1962.1 | 1643.8 | 1388.3 | 1452.5 | 1471.9 | 1507.8 |
| 55°   | 15493.4 | 12666.1 | 5284.0 | 2156.4 | 1965.1 | 1690.1 | 1318.0 | 1413.7 | 1449.5 | 1463.0 |
| 57.5° | 16560.4 | 12431.5 | 4272.4 | 2017.4 | 1953.1 | 1721.5 | 1273.2 | 1365.8 | 1434.6 | 1443.5 |
| 60°   | 16357.2 | 11608.1 | 3145.6 | 1911.3 | 1865.0 | 1709.5 | 1259.7 | 1292.6 | 1401.7 | 1415.2 |
| 62.5° | 14791.1 | 10227.3 | 2183.2 | 1829.1 | 1670.7 | 1657.2 | 1255.3 | 1177.5 | 1330.0 | 1362.8 |
| 65°   | 11889.1 | 8051.6  | 1542.2 | 1575.0 | 1464.5 | 1543.7 | 1231.3 | 1058.0 | 1243.3 | 1288.1 |
| 67.5° | 8625.4  | 5448.4  | 1113.3 | 1276.2 | 1327.0 | 1359.9 | 1177.5 | 971.3  | 1144.7 | 1204.4 |
| 70°   | 5535.1  | 2942.4  | 781.5  | 842.8  | 1117.8 | 1155.1 | 1084.9 | 893.6  | 1044.6 | 1113.3 |
| 72.5° | 3934.6  | 1737.9  | 561.9  | 590.3  | 898.1  | 962.4  | 954.9  | 807.0  | 928.0  | 1011.7 |
| 75°   | 2715.2  | 957.9   | 379.6  | 421.4  | 651.5  | 781.5  | 736.7  | 693.4  | 786.0  | 871.2  |
| 77.5° | 1702.1  | 428.9   | 227.1  | 292.9  | 427.4  | 614.2  | 505.1  | 536.5  | 612.7  | 691.9  |
| 80°   | 947.4   | 165.9   | 127.0  | 194.3  | 233.1  | 446.8  | 279.4  | 345.2  | 451.3  | 508.1  |
| 82.5° | 206.2   | 20.9    | 56.8   | 83.7   | 91.2   | 260.0  | 147.9  | 200.2  | 283.9  | 279.4  |
| 85°   | 0.0     | 0.0     | 10.5   | 12.0   | 6.0    | 112.1  | 53.8   | 65.8   | 92.6   | 86.7   |
| 87.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.0    |
| 90°   | 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3003.6 | 0°    | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 |
| 2701.8 | 2.5°  | 2689.8 | 2616.6 | 2562.8 | 2535.9 | 2513.5 | 2534.4 | 2546.4 | 2546.4 | 2597.2 | 2627.1 |
| 2489.6 | 5°    | 2437.3 | 2305.8 | 2205.7 | 2138.4 | 2098.1 | 2111.5 | 2126.5 | 2142.9 | 2207.2 | 2250.5 |
| 2364.1 | 7.5°  | 2262.4 | 2060.7 | 1908.3 | 1814.1 | 1764.8 | 1772.3 | 1782.8 | 1796.2 | 1859.0 | 1902.3 |
| 2382.0 | 10°   | 2229.6 | 1939.7 | 1724.5 | 1600.5 | 1540.7 | 1530.2 | 1524.2 | 1519.8 | 1557.1 | 1590.0 |
| 2585.2 | 12.5° | 2364.1 | 1945.6 | 1645.3 | 1494.4 | 1421.1 | 1389.7 | 1353.9 | 1325.5 | 1331.5 | 1352.4 |
| 2893.1 | 15°   | 2604.7 | 2021.9 | 1619.9 | 1439.1 | 1347.9 | 1295.6 | 1253.8 | 1219.4 | 1211.9 | 1219.4 |
| 3162.0 | 17.5° | 2879.6 | 2125.0 | 1616.9 | 1391.2 | 1277.7 | 1223.9 | 1189.5 | 1158.1 | 1147.7 | 1149.2 |
| 3313.0 | 20°   | 3061.9 | 2207.2 | 1607.9 | 1337.4 | 1210.4 | 1162.6 | 1132.7 | 1101.3 | 1090.9 | 1093.9 |
| 3271.1 | 22.5° | 3079.9 | 2250.5 | 1594.5 | 1277.7 | 1143.2 | 1102.8 | 1072.9 | 1044.6 | 1043.1 | 1043.1 |
| 3114.2 | 25°   | 2982.7 | 2250.5 | 1566.1 | 1223.9 | 1078.9 | 1043.1 | 1016.2 | 981.8  | 987.8  | 990.8  |
| 2936.4 | 27.5° | 2831.8 | 2196.7 | 1512.3 | 1180.5 | 1023.6 | 986.3  | 959.4  | 928.0  | 935.5  | 939.9  |
| 2770.5 | 30°   | 2682.4 | 2128.0 | 1448.0 | 1131.2 | 971.3  | 928.0  | 908.6  | 881.7  | 884.7  | 890.6  |
| 2606.2 | 32.5° | 2543.4 | 2054.7 | 1371.8 | 1090.9 | 919.0  | 875.7  | 860.7  | 830.9  | 835.3  | 841.3  |
| 2444.8 | 35°   | 2405.9 | 1974.0 | 1282.2 | 1043.1 | 871.2  | 827.9  | 815.9  | 781.5  | 784.5  | 793.5  |
| 2283.4 | 37.5° | 2258.0 | 1888.9 | 1208.9 | 995.2  | 824.9  | 780.1  | 768.1  | 732.2  | 735.2  | 745.7  |
| 2116.0 | 40°   | 2102.6 | 1805.2 | 1137.2 | 944.4  | 775.6  | 730.7  | 720.3  | 681.4  | 684.4  | 696.4  |
| 1951.6 | 42.5° | 1945.6 | 1714.0 | 1081.9 | 878.7  | 724.8  | 676.9  | 666.5  | 630.6  | 635.1  | 648.5  |
| 1808.2 | 45°   | 1800.7 | 1604.9 | 1046.0 | 805.5  | 676.9  | 623.1  | 612.7  | 579.8  | 588.8  | 603.7  |
| 1687.1 | 47.5° | 1676.7 | 1492.9 | 1031.1 | 744.2  | 626.1  | 567.9  | 558.9  | 532.0  | 546.9  | 563.4  |
| 1584.0 | 50°   | 1570.6 | 1385.3 | 1011.7 | 681.4  | 578.3  | 520.0  | 511.1  | 493.1  | 512.6  | 529.0  |
| 1513.8 | 52.5° | 1494.4 | 1262.7 | 969.8  | 624.6  | 536.5  | 479.7  | 476.7  | 467.7  | 485.7  | 500.6  |
| 1461.5 | 55°   | 1428.6 | 1135.7 | 902.6  | 575.3  | 499.1  | 445.3  | 448.3  | 443.8  | 458.8  | 470.7  |
| 1430.1 | 57.5° | 1368.8 | 1025.1 | 817.4  | 536.5  | 458.8  | 415.4  | 424.4  | 418.4  | 425.9  | 433.4  |
| 1397.2 | 60°   | 1297.1 | 913.0  | 715.8  | 493.1  | 410.9  | 385.5  | 396.0  | 379.6  | 378.1  | 381.1  |
| 1337.4 | 62.5° | 1191.0 | 762.1  | 609.7  | 439.3  | 369.1  | 352.7  | 357.2  | 325.8  | 301.9  | 301.9  |
| 1249.3 | 65°   | 1043.1 | 612.7  | 511.1  | 379.6  | 321.3  | 307.8  | 304.8  | 260.0  | 227.1  | 224.2  |
| 1153.6 | 67.5° | 871.2  | 503.6  | 424.4  | 319.8  | 267.5  | 258.5  | 261.5  | 228.6  | 195.8  | 192.8  |
| 1058.0 | 70°   | 709.8  | 416.9  | 342.2  | 255.5  | 206.2  | 215.2  | 228.6  | 195.8  | 164.4  | 159.9  |
| 945.9  | 72.5° | 576.8  | 331.7  | 267.5  | 195.8  | 152.4  | 177.8  | 194.3  | 159.9  | 130.0  | 127.0  |
| 807.0  | 75°   | 445.3  | 243.6  | 191.3  | 133.0  | 110.6  | 137.5  | 152.4  | 116.6  | 92.6   | 88.2   |
| 624.6  | 77.5° | 297.4  | 150.9  | 107.6  | 83.7   | 65.8   | 94.1   | 101.6  | 61.3   | 53.8   | 52.3   |
| 454.3  | 80°   | 180.8  | 70.2   | 46.3   | 40.3   | 22.4   | 34.4   | 40.3   | 25.4   | 28.4   | 29.9   |
| 242.1  | 82.5° | 91.2   | 19.4   | 7.5    | 1.5    | 0.0    | 0.0    | 12.0   | 6.0    | 12.0   | 14.9   |
| 65.8   | 85°   | 7.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.0    | 7.5    |
| 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    |

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**CANDELA DISTRIBUTION (continued):**

| 185°   |       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 3003.6 | 0°    | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6 | 3003.6  | 3003.6  | 3003.6  |
| 2639.0 | 2.5°  | 2722.7 | 2785.5 | 2845.2 | 2940.9 | 3039.5 | 3136.6 | 3235.3 | 3330.9  | 3365.3  | 3390.7  |
| 2278.9 | 5°    | 2408.9 | 2526.9 | 2664.4 | 2854.2 | 3057.4 | 3266.7 | 3478.9 | 3673.1  | 3761.3  | 3821.1  |
| 1939.7 | 7.5°  | 2084.6 | 2238.5 | 2435.8 | 2721.2 | 3039.5 | 3372.8 | 3706.0 | 4012.3  | 4154.3  | 4269.4  |
| 1619.9 | 10°   | 1763.3 | 1930.7 | 2180.3 | 2506.0 | 2936.4 | 3414.6 | 3874.9 | 4296.3  | 4480.1  | 4625.0  |
| 1389.7 | 12.5° | 1480.9 | 1637.8 | 1899.3 | 2259.5 | 2775.0 | 3381.7 | 3972.0 | 4478.6  | 4695.3  | 4858.1  |
| 1225.4 | 15°   | 1282.2 | 1392.7 | 1624.4 | 2012.9 | 2583.7 | 3275.6 | 3978.0 | 4565.2  | 4802.8  | 4973.2  |
| 1156.6 | 17.5° | 1171.6 | 1208.9 | 1359.9 | 1761.8 | 2371.5 | 3136.6 | 3922.7 | 4595.1  | 4849.2  | 5007.6  |
| 1095.4 | 20°   | 1111.8 | 1117.8 | 1159.6 | 1436.1 | 2099.6 | 3006.6 | 3870.4 | 4625.0  | 4892.5  | 5025.5  |
| 1052.0 | 22.5° | 1064.0 | 1064.0 | 1074.4 | 1174.6 | 1748.4 | 2851.2 | 3853.9 | 4677.3  | 4952.3  | 5034.5  |
| 1002.7 | 25°   | 1020.6 | 1020.6 | 1023.6 | 1050.5 | 1385.3 | 2613.6 | 3843.5 | 4758.0  | 5034.5  | 5056.9  |
| 953.4  | 27.5° | 975.8  | 977.3  | 977.3  | 992.2  | 1116.3 | 2290.8 | 3798.6 | 4862.6  | 5133.1  | 5086.8  |
| 905.6  | 30°   | 931.0  | 934.0  | 934.0  | 944.4  | 987.8  | 1912.8 | 3710.5 | 4988.1  | 5261.6  | 5125.6  |
| 857.8  | 32.5° | 886.2  | 889.1  | 889.1  | 898.1  | 929.5  | 1527.2 | 3599.9 | 5103.2  | 5391.6  | 5142.1  |
| 811.4  | 35°   | 839.8  | 844.3  | 841.3  | 853.3  | 886.2  | 1214.9 | 3459.4 | 5218.3  | 5532.1  | 5194.4  |
| 766.6  | 37.5° | 793.5  | 796.5  | 795.0  | 807.0  | 844.3  | 1049.0 | 3296.5 | 5305.0  | 5723.4  | 5310.9  |
| 718.8  | 40°   | 747.2  | 745.7  | 745.7  | 759.1  | 799.5  | 1001.2 | 3091.8 | 5442.4  | 5998.3  | 5515.7  |
| 671.0  | 42.5° | 699.4  | 699.4  | 696.4  | 711.3  | 760.6  | 965.4  | 2896.1 | 5689.0  | 6398.8  | 5841.4  |
| 626.1  | 45°   | 656.0  | 654.5  | 648.5  | 662.0  | 723.3  | 902.6  | 2827.3 | 6149.3  | 6990.6  | 6368.9  |
| 581.3  | 47.5° | 614.2  | 612.7  | 597.7  | 609.7  | 678.4  | 845.8  | 3084.3 | 6902.4  | 7811.0  | 7144.5  |
| 545.4  | 50°   | 576.8  | 578.3  | 549.9  | 560.4  | 633.6  | 802.5  | 3641.7 | 7879.7  | 8900.4  | 8189.1  |
| 515.6  | 52.5° | 542.4  | 542.4  | 505.1  | 511.1  | 578.3  | 763.6  | 4172.2 | 8939.2  | 10337.9 | 9646.0  |
| 484.2  | 55°   | 508.1  | 505.1  | 463.2  | 466.2  | 523.0  | 708.3  | 4251.4 | 9973.3  | 12298.5 | 11838.3 |
| 449.8  | 57.5° | 469.2  | 463.2  | 424.4  | 424.4  | 472.2  | 668.0  | 3685.1 | 10768.3 | 14731.3 | 15060.1 |
| 385.5  | 60°   | 421.4  | 416.9  | 391.5  | 384.0  | 431.9  | 703.8  | 2600.2 | 10861.0 | 16300.4 | 19344.4 |
| 306.3  | 62.5° | 360.1  | 366.1  | 352.7  | 342.2  | 393.0  | 730.7  | 1540.7 | 10115.3 | 15920.8 | 20707.2 |
| 237.6  | 65°   | 283.9  | 307.8  | 304.8  | 297.4  | 431.9  | 615.7  | 910.1  | 8683.7  | 14756.7 | 19607.4 |
| 207.7  | 67.5° | 242.1  | 258.5  | 254.0  | 254.0  | 452.8  | 467.7  | 572.3  | 6784.4  | 13154.8 | 18302.8 |
| 173.3  | 70°   | 206.2  | 222.7  | 206.2  | 206.2  | 342.2  | 283.9  | 396.0  | 4737.1  | 11425.8 | 16859.3 |
| 139.0  | 72.5° | 170.4  | 186.8  | 168.9  | 156.9  | 273.5  | 212.2  | 289.9  | 2960.3  | 9785.0  | 15356.0 |
| 98.6   | 75°   | 130.0  | 149.4  | 136.0  | 121.0  | 180.8  | 158.4  | 219.7  | 1720.0  | 8106.9  | 13138.3 |
| 59.8   | 77.5° | 82.2   | 107.6  | 101.6  | 85.2   | 133.0  | 115.1  | 158.4  | 1023.6  | 6255.4  | 10266.2 |
| 35.9   | 80°   | 50.8   | 55.3   | 56.8   | 53.8   | 76.2   | 77.7   | 107.6  | 582.8   | 4281.3  | 7155.0  |
| 22.4   | 82.5° | 32.9   | 32.9   | 25.4   | 28.4   | 37.4   | 44.8   | 61.3   | 219.7   | 2516.5  | 4356.0  |
| 13.4   | 85°   | 23.9   | 20.9   | 13.4   | 13.4   | 17.9   | 22.4   | 23.9   | 67.2    | 1020.6  | 1720.0  |
| 6.0    | 87.5° | 12.0   | 10.5   | 4.5    | 6.0    | 9.0    | 7.5    | 6.0    | 3.0     | 257.0   | 549.9   |
| 0.0    | 90°   | 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°    | 360°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 3003.6  | 0°    | 3003.6  | 3003.6  | 3003.6  | 3003.6  | 3003.6  | 3003.6  | 3003.6  | 3003.6  |
| 3447.5  | 2.5°  | 3477.4  | 3523.7  | 3526.7  | 3526.7  | 3486.3  | 3484.8  | 3402.6  | 3393.7  |
| 3955.6  | 5°    | 4094.5  | 4124.4  | 4131.9  | 4116.9  | 4036.2  | 3976.5  | 3816.6  | 3782.2  |
| 4474.1  | 7.5°  | 4659.4  | 4719.2  | 4719.2  | 4683.3  | 4551.8  | 4429.3  | 4197.6  | 4111.0  |
| 4903.0  | 10°   | 5110.7  | 5179.4  | 5164.5  | 5091.3  | 4925.4  | 4756.5  | 4475.6  | 4362.0  |
| 5163.0  | 12.5° | 5330.4  | 5400.6  | 5361.7  | 5278.1  | 5116.7  | 4938.8  | 4643.0  | 4514.4  |
| 5237.7  | 15°   | 5325.9  | 5306.4  | 5266.1  | 5255.6  | 5177.9  | 5043.4  | 4767.0  | 4626.5  |
| 5191.4  | 17.5° | 5136.1  | 4971.7  | 4940.3  | 5044.9  | 5143.6  | 5110.7  | 4874.6  | 4743.1  |
| 5080.8  | 20°   | 4835.7  | 4548.8  | 4520.4  | 4720.7  | 5001.6  | 5145.1  | 4974.7  | 4853.7  |
| 4920.9  | 22.5° | 4518.9  | 4209.6  | 4143.8  | 4365.0  | 4787.9  | 5155.5  | 5101.7  | 4980.7  |
| 4744.6  | 25°   | 4218.6  | 3907.7  | 3842.0  | 4048.2  | 4550.3  | 5137.6  | 5239.2  | 5136.1  |
| 4575.7  | 27.5° | 3967.5  | 3667.1  | 3605.9  | 3812.1  | 4321.7  | 5086.8  | 5376.7  | 5303.5  |
| 4408.3  | 30°   | 3773.2  | 3495.3  | 3450.5  | 3649.2  | 4124.4  | 5024.0  | 5551.5  | 5511.2  |
| 4252.9  | 32.5° | 3659.7  | 3456.4  | 3472.9  | 3635.8  | 4018.3  | 4955.3  | 5718.9  | 5738.3  |
| 4176.7  | 35°   | 3771.7  | 3780.7  | 3924.2  | 3991.4  | 4116.9  | 4944.8  | 5946.0  | 6022.2  |
| 4267.9  | 37.5° | 4329.1  | 4640.0  | 4937.3  | 4882.0  | 4599.6  | 5065.9  | 6285.2  | 6427.2  |
| 4665.4  | 40°   | 5278.1  | 5916.1  | 6398.8  | 6188.1  | 5476.8  | 5436.5  | 6773.9  | 6986.1  |
| 5370.7  | 42.5° | 6437.7  | 7519.6  | 8314.6  | 7749.7  | 6608.0  | 6085.0  | 7471.8  | 7742.2  |
| 6224.0  | 45°   | 7661.5  | 9496.6  | 10748.9 | 9574.3  | 7814.0  | 6993.6  | 8528.3  | 8740.5  |
| 7023.5  | 47.5° | 8951.2  | 11899.5 | 13519.4 | 11597.7 | 8931.7  | 8027.7  | 9968.8  | 10018.1 |
| 7781.1  | 50°   | 10361.8 | 14534.1 | 16343.7 | 13619.5 | 10010.7 | 9212.7  | 11729.2 | 11672.4 |
| 8664.3  | 52.5° | 11705.3 | 17243.3 | 19108.3 | 15650.4 | 10958.1 | 10683.1 | 13771.9 | 13655.4 |
| 9871.7  | 55°   | 12987.4 | 19951.1 | 21889.3 | 17602.0 | 11851.7 | 12625.8 | 16198.8 | 15493.4 |
| 11612.6 | 57.5° | 14474.3 | 22385.4 | 24755.4 | 19562.6 | 13101.0 | 15148.2 | 18912.5 | 16560.4 |
| 14946.5 | 60°   | 16672.5 | 25151.4 | 27996.7 | 22249.4 | 15477.0 | 17799.2 | 19885.3 | 16357.2 |
| 18939.4 | 62.5° | 19478.9 | 27694.8 | 30353.3 | 24882.5 | 17863.5 | 18298.3 | 18452.3 | 14791.1 |
| 18125.0 | 65°   | 20024.3 | 28338.9 | 30486.3 | 25586.3 | 17555.6 | 15521.8 | 15064.6 | 11889.1 |
| 16189.8 | 67.5° | 18577.8 | 27174.8 | 28627.3 | 24275.8 | 15529.3 | 11995.2 | 11304.8 | 8625.4  |
| 14919.6 | 70°   | 16954.9 | 24955.7 | 25387.5 | 22047.7 | 13658.4 | 8822.7  | 7634.6  | 5535.1  |
| 14049.9 | 72.5° | 15291.7 | 21995.4 | 21101.7 | 19147.1 | 12004.1 | 6424.2  | 5506.7  | 3934.6  |
| 12811.1 | 75°   | 13316.2 | 18102.6 | 16621.7 | 15908.9 | 9938.9  | 5041.9  | 3983.9  | 2715.2  |
| 11019.4 | 77.5° | 10663.7 | 12742.3 | 12346.3 | 12331.4 | 7468.8  | 3683.6  | 2658.5  | 1702.1  |
| 8609.0  | 80°   | 7522.6  | 8269.7  | 8068.0  | 9287.4  | 5010.6  | 2671.9  | 1600.5  | 947.4   |
| 5992.4  | 82.5° | 3641.7  | 4572.7  | 4693.8  | 5530.6  | 2437.3  | 1572.1  | 369.1   | 206.2   |
| 2343.1  | 85°   | 1425.6  | 2205.7  | 1860.5  | 2099.6  | 684.4   | 437.8   | 9.0     | 0.0     |
| 385.5   | 87.5° | 159.9   | 255.5   | 234.6   | 185.3   | 83.7    | 17.9    | 0.0     | 0.0     |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)