

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: P940789

Luminaire Tested: **GLAN-SB4A-735-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 17769 lumens  
Efficiency: N/A  
Efficacy: 155.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 114  
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



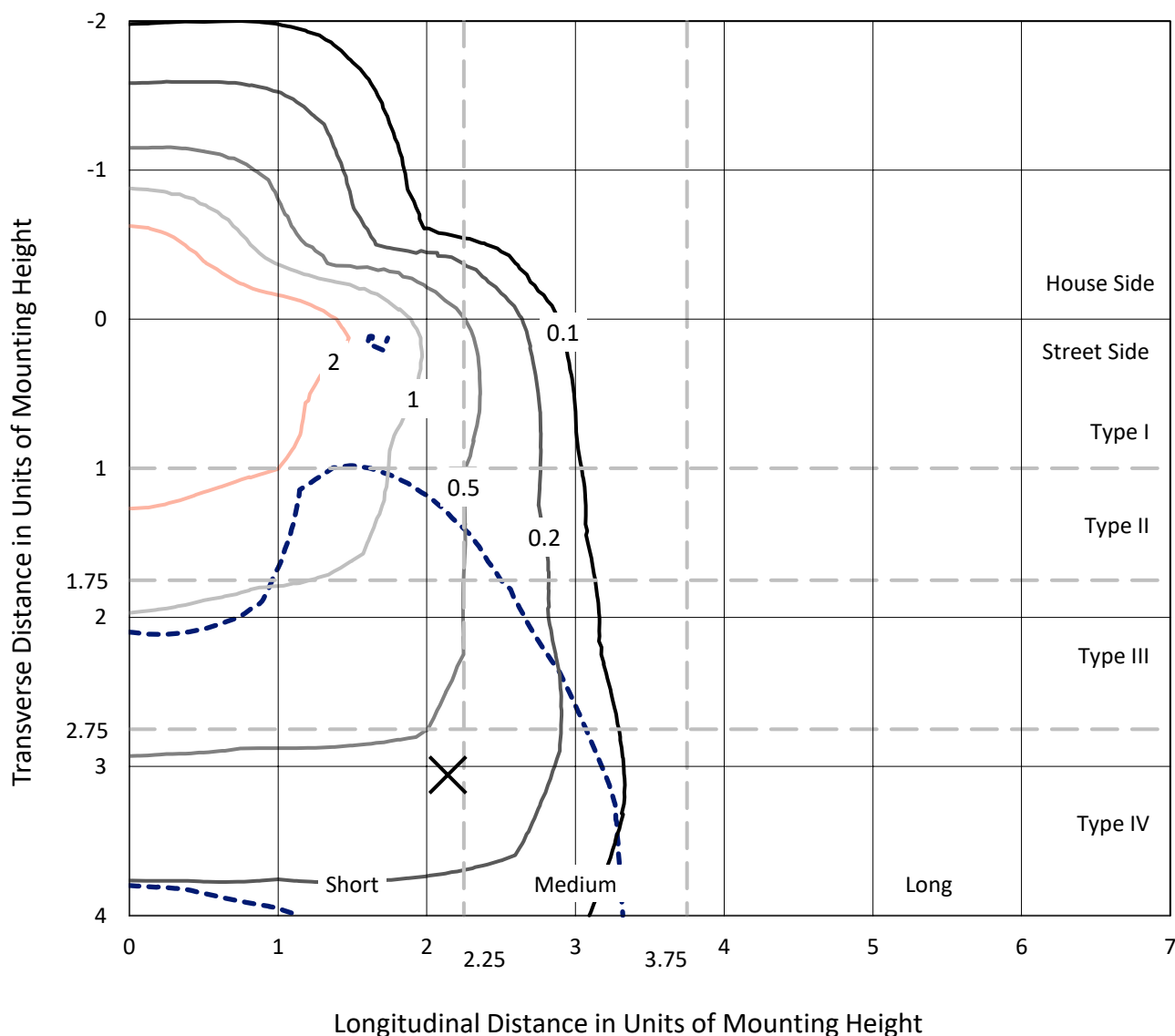
REPORT NUMBER: P940789

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



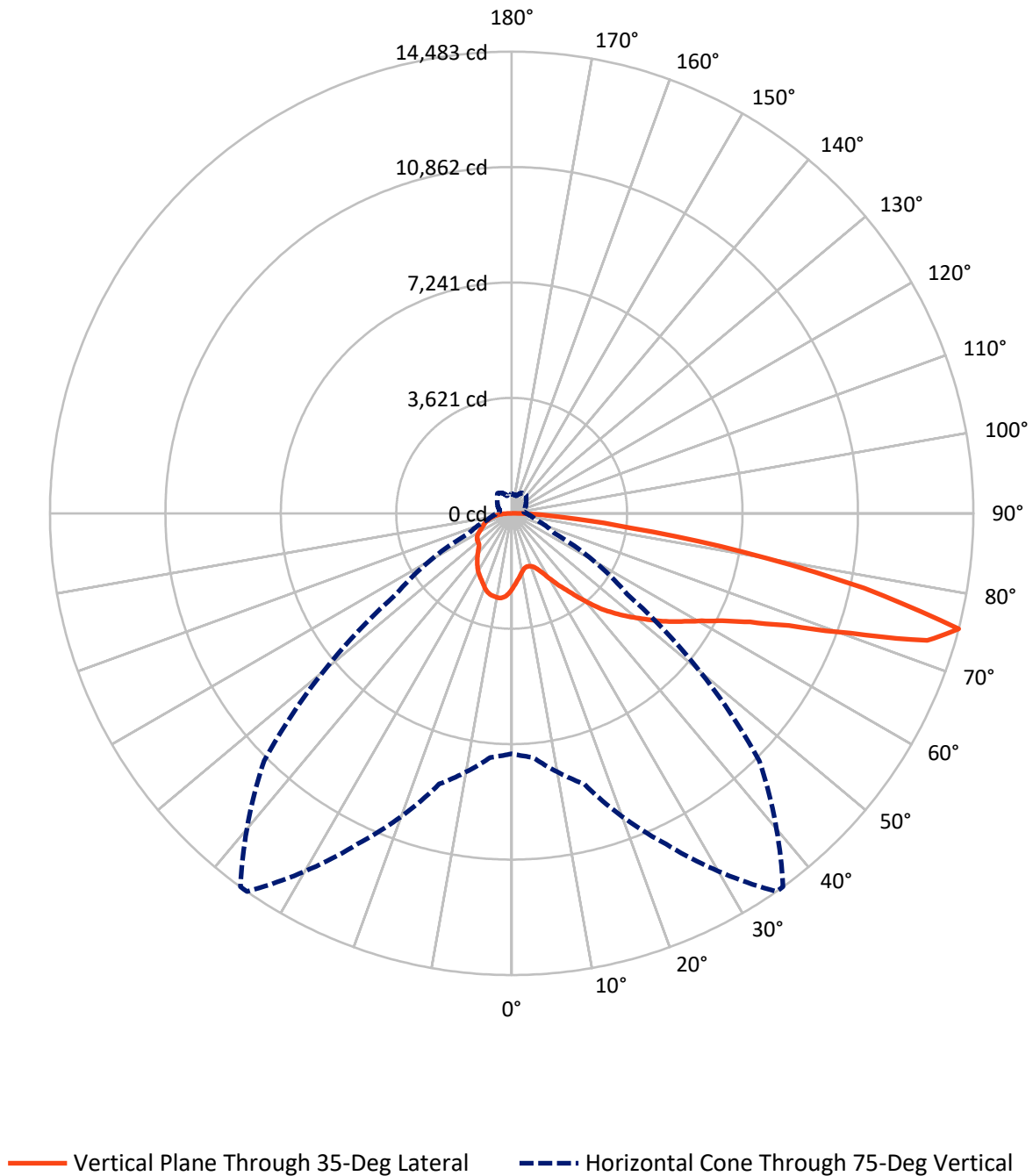
Based on 25 foot mounting height. Maximum calculated value = 4.2 fc

Type IV - Short - N/A

REPORT NUMBER: P940789

CATALOG NUMBER: GLAN-SB4A-735-U-T4FT

## Luminous Intensity Polar Plot



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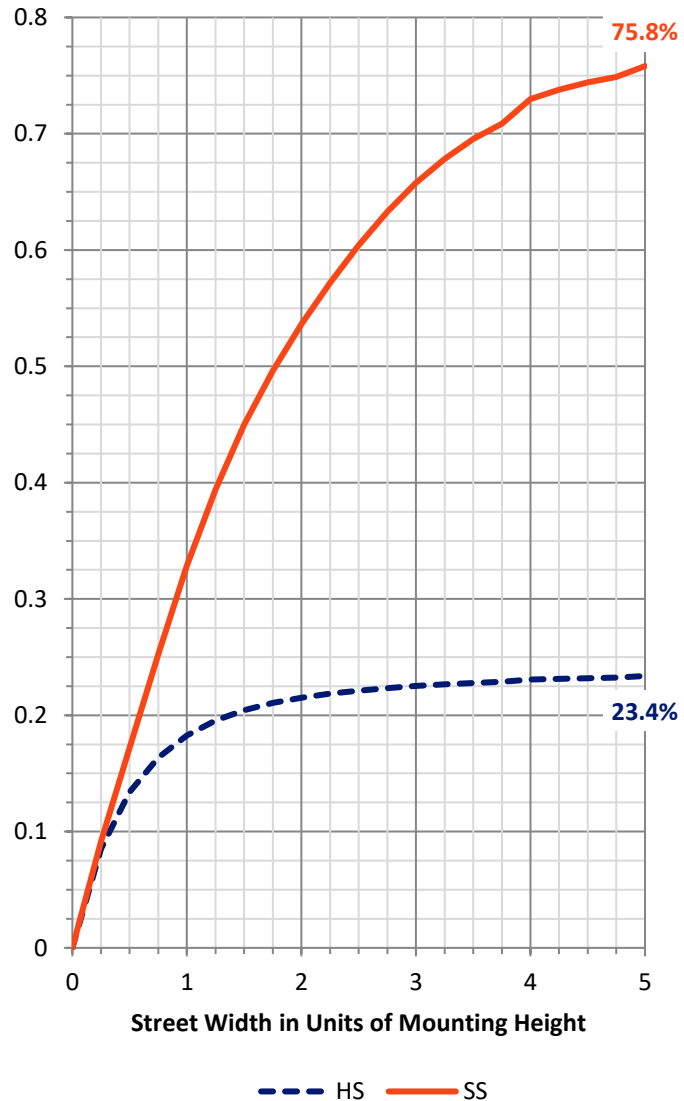
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4228.6   | 0.0    | 4228.6  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 13540.4  | 0.0    | 13540.4 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 17769.0  | 0.0    | 17769.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 224.2   | 1.3       |
| 10°-20°   | 646.7   | 3.6       |
| 20°-30°   | 1085.9  | 6.1       |
| 30°-40°   | 1687.6  | 9.5       |
| 40°-50°   | 2504.9  | 14.1      |
| 50°-60°   | 3458.2  | 19.5      |
| 60°-70°   | 4195.5  | 23.6      |
| 70°-80°   | 3467.3  | 19.5      |
| 80°-90°   | 498.7   | 2.8       |
| 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°    | 17769.0 | 100.0     |
| 0°-180°   | 17769.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P940789

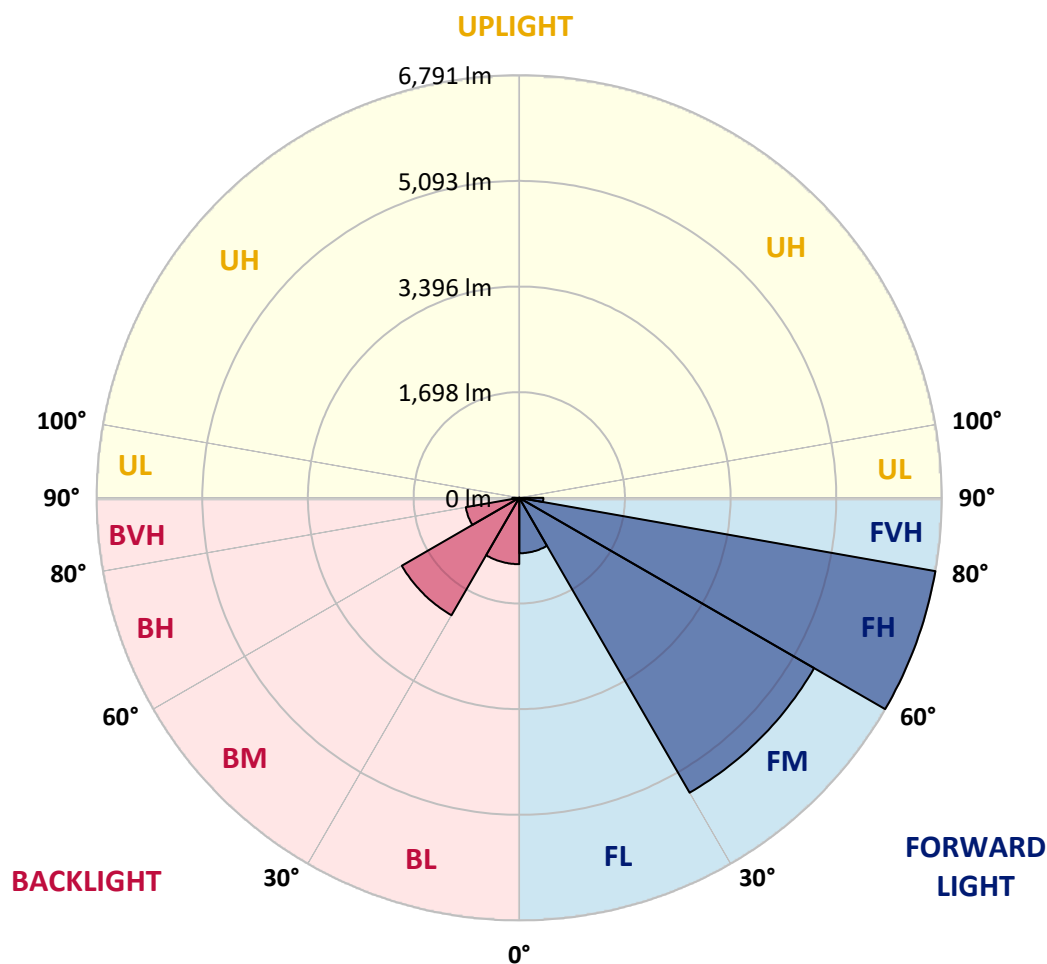
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 891.1  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 5471.9 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 6791.0 | 38.2      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 386.4  | 2.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1065.7 | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2178.8 | 12.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 871.8  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 112.3  | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type IV Short



REPORT NUMBER: P940789

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 36°     | 45°     | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2367.8 | 2367.8 | 2367.8 | 2367.8  | 2367.8  | 2367.8  | 2367.8  | 2367.8 | 2367.8 | 2367.8 |
| 2.5°  | 2183.4 | 2196.9 | 2202.6 | 2199.7  | 2214.1  | 2212.2  | 2232.4  | 2257.4 | 2292.0 | 2325.6 |
| 5°    | 2015.3 | 2029.7 | 2042.2 | 2053.7  | 2081.6  | 2090.2  | 2121.9  | 2170.0 | 2233.4 | 2297.7 |
| 7.5°  | 1858.7 | 1871.2 | 1890.4 | 1911.6  | 1958.6  | 1967.3  | 2020.1  | 2095.0 | 2183.4 | 2277.5 |
| 10°   | 1731.0 | 1743.5 | 1763.6 | 1787.6  | 1846.2  | 1856.8  | 1924.0  | 2024.0 | 2139.2 | 2258.3 |
| 12.5° | 1676.2 | 1680.1 | 1691.6 | 1715.6  | 1766.5  | 1773.2  | 1847.2  | 1961.5 | 2096.0 | 2243.9 |
| 15°   | 1673.3 | 1681.0 | 1682.0 | 1694.5  | 1736.7  | 1739.6  | 1807.8  | 1921.2 | 2069.1 | 2241.0 |
| 17.5° | 1702.2 | 1707.9 | 1699.3 | 1707.0  | 1742.5  | 1747.3  | 1801.1  | 1902.0 | 2060.5 | 2253.5 |
| 20°   | 1779.0 | 1783.8 | 1757.9 | 1747.3  | 1773.2  | 1777.1  | 1829.9  | 1914.4 | 2069.1 | 2279.5 |
| 22.5° | 1942.3 | 1945.2 | 1881.8 | 1838.6  | 1840.5  | 1842.4  | 1888.5  | 1965.4 | 2102.7 | 2326.5 |
| 25°   | 2196.9 | 2194.9 | 2094.1 | 2010.5  | 1962.5  | 1951.9  | 1982.6  | 2048.0 | 2159.4 | 2389.0 |
| 27.5° | 2494.6 | 2480.2 | 2379.4 | 2254.5  | 2149.8  | 2134.4  | 2127.7  | 2155.6 | 2240.1 | 2471.6 |
| 30°   | 2830.8 | 2817.4 | 2708.8 | 2545.5  | 2400.5  | 2375.5  | 2312.1  | 2297.7 | 2360.2 | 2584.0 |
| 32.5° | 3199.7 | 3191.1 | 3061.4 | 2863.5  | 2669.5  | 2640.6  | 2534.0  | 2495.6 | 2544.6 | 2754.0 |
| 35°   | 3509.0 | 3501.3 | 3393.7 | 3190.1  | 2952.8  | 2917.3  | 2808.7  | 2765.5 | 2790.5 | 2972.0 |
| 37.5° | 3788.5 | 3784.7 | 3692.5 | 3532.1  | 3287.1  | 3243.9  | 3121.9  | 3107.5 | 3102.7 | 3259.3 |
| 40°   | 4047.9 | 4038.3 | 3942.2 | 3857.7  | 3676.2  | 3636.8  | 3529.2  | 3516.7 | 3480.2 | 3612.8 |
| 42.5° | 4335.1 | 4310.1 | 4170.9 | 4131.5  | 4082.5  | 4049.8  | 3985.5  | 3987.4 | 3906.7 | 4011.4 |
| 45°   | 4569.5 | 4555.1 | 4412.0 | 4388.9  | 4441.7  | 4428.3  | 4484.0  | 4498.4 | 4341.8 | 4429.3 |
| 47.5° | 4821.2 | 4807.7 | 4686.7 | 4670.4  | 4813.5  | 4817.3  | 5014.2  | 5019.1 | 4766.4 | 4863.4 |
| 50°   | 5131.4 | 5112.2 | 4992.2 | 5012.3  | 5172.7  | 5187.2  | 5547.4  | 5514.7 | 5157.4 | 5304.3 |
| 52.5° | 5336.0 | 5347.6 | 5321.6 | 5354.3  | 5573.3  | 5586.8  | 6071.9  | 5988.3 | 5544.5 | 5739.5 |
| 55°   | 5486.9 | 5509.9 | 5590.6 | 5665.5  | 5996.0  | 6009.4  | 6566.6  | 6438.8 | 5865.3 | 6142.9 |
| 57.5° | 5680.9 | 5648.2 | 5799.0 | 5945.1  | 6397.5  | 6433.0  | 7047.8  | 6873.0 | 6149.7 | 6490.7 |
| 60°   | 5959.5 | 5936.4 | 6053.6 | 6269.7  | 6847.0  | 6903.7  | 7556.9  | 7263.9 | 6358.1 | 6766.4 |
| 62.5° | 6524.3 | 6466.7 | 6484.9 | 6676.1  | 7413.8  | 7488.7  | 8131.3  | 7604.9 | 6461.8 | 6873.9 |
| 65°   | 7368.6 | 7269.7 | 7177.5 | 7310.0  | 8212.0  | 8286.0  | 8779.7  | 7872.9 | 6423.4 | 6665.5 |
| 67.5° | 8432.0 | 8334.0 | 8220.7 | 8345.6  | 9387.8  | 9446.4  | 9579.9  | 8023.8 | 6120.8 | 5862.4 |
| 70°   | 9309.0 | 9272.5 | 9408.0 | 9921.9  | 11265.7 | 11267.6 | 10605.8 | 7898.9 | 5291.9 | 4156.4 |
| 72.5° | 9192.8 | 9170.7 | 9884.4 | 11473.2 | 13632.6 | 13581.7 | 11577.0 | 6953.7 | 3564.7 | 1875.1 |
| 75°   | 7541.5 | 7684.7 | 8790.3 | 11445.4 | 14482.7 | 14476.0 | 10982.4 | 4420.6 | 1474.5 | 777.1  |
| 77.5° | 4044.1 | 4270.8 | 5706.8 | 8450.3  | 11306.1 | 11476.1 | 7721.2  | 1546.5 | 633.0  | 497.6  |
| 80°   | 1318.9 | 1516.8 | 2274.7 | 4302.5  | 7346.5  | 7314.8  | 3309.2  | 607.1  | 433.2  | 352.5  |
| 82.5° | 560.0  | 583.1  | 1016.3 | 2031.6  | 3770.3  | 3711.7  | 1053.8  | 348.7  | 304.5  | 241.1  |
| 85°   | 219.0  | 244.9  | 448.6  | 939.5   | 1633.0  | 1597.5  | 380.4   | 172.9  | 195.0  | 157.5  |
| 87.5° | 72.0   | 87.4   | 160.4  | 321.8   | 508.1   | 489.9   | 93.2    | 59.6   | 84.5   | 72.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P940789

CATALOG NUMBER: GLAN-SB4A-735-U-T4FT

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2367.8 | 0°    | 2367.8 | 2367.8 | 2367.8 | 2367.8 | 2367.8 | 2367.8 | 2367.8 | 2367.8 | 2367.8 | 2367.8 |
| 2374.6 | 2.5°  | 2388.0 | 2403.4 | 2421.6 | 2448.5 | 2471.6 | 2490.8 | 2511.0 | 2523.5 | 2528.3 | 2542.7 |
| 2378.4 | 5°    | 2405.3 | 2438.9 | 2484.1 | 2528.3 | 2571.5 | 2597.4 | 2620.5 | 2632.0 | 2642.6 | 2650.3 |
| 2389.0 | 7.5°  | 2434.1 | 2477.3 | 2548.4 | 2606.1 | 2642.6 | 2663.7 | 2679.1 | 2675.2 | 2679.1 | 2681.0 |
| 2400.5 | 10°   | 2459.1 | 2519.6 | 2604.1 | 2658.9 | 2686.8 | 2687.7 | 2683.9 | 2670.4 | 2663.7 | 2664.7 |
| 2417.8 | 12.5° | 2488.9 | 2556.1 | 2647.4 | 2693.5 | 2701.2 | 2680.0 | 2663.7 | 2640.6 | 2632.0 | 2628.2 |
| 2443.7 | 15°   | 2529.2 | 2606.1 | 2694.4 | 2711.7 | 2692.5 | 2665.6 | 2637.8 | 2600.3 | 2581.1 | 2565.7 |
| 2487.9 | 17.5° | 2578.2 | 2662.7 | 2730.9 | 2718.5 | 2677.1 | 2633.0 | 2587.8 | 2531.1 | 2491.8 | 2475.4 |
| 2548.4 | 20°   | 2646.4 | 2722.3 | 2758.8 | 2704.0 | 2641.6 | 2574.4 | 2497.5 | 2428.4 | 2391.9 | 2375.5 |
| 2625.3 | 22.5° | 2729.0 | 2802.0 | 2785.7 | 2679.1 | 2590.7 | 2483.1 | 2387.1 | 2336.1 | 2317.9 | 2306.4 |
| 2724.2 | 25°   | 2828.0 | 2890.4 | 2804.9 | 2642.6 | 2507.1 | 2362.1 | 2288.1 | 2271.8 | 2263.1 | 2254.5 |
| 2845.2 | 27.5° | 2956.7 | 2990.3 | 2819.3 | 2588.8 | 2376.5 | 2233.4 | 2206.5 | 2209.3 | 2206.5 | 2192.1 |
| 3013.4 | 30°   | 3126.7 | 3120.0 | 2832.8 | 2501.4 | 2226.6 | 2117.1 | 2119.0 | 2131.5 | 2133.5 | 2123.9 |
| 3247.7 | 32.5° | 3350.5 | 3282.3 | 2839.5 | 2388.0 | 2083.5 | 2015.3 | 2017.2 | 2030.7 | 2040.3 | 2024.0 |
| 3554.2 | 35°   | 3621.4 | 3471.6 | 2828.9 | 2245.8 | 1973.0 | 1918.3 | 1903.9 | 1907.7 | 1910.6 | 1895.2 |
| 3925.9 | 37.5° | 3937.4 | 3683.8 | 2781.9 | 2088.3 | 1881.8 | 1823.2 | 1792.4 | 1766.5 | 1751.1 | 1736.7 |
| 4346.6 | 40°   | 4284.2 | 3915.3 | 2695.4 | 1934.6 | 1780.0 | 1722.3 | 1676.2 | 1627.2 | 1575.4 | 1556.1 |
| 4792.4 | 42.5° | 4647.3 | 4153.6 | 2590.7 | 1787.6 | 1662.8 | 1615.7 | 1566.7 | 1495.6 | 1417.8 | 1378.4 |
| 5255.4 | 45°   | 5023.9 | 4397.6 | 2487.9 | 1642.6 | 1542.7 | 1522.5 | 1465.9 | 1380.4 | 1295.8 | 1245.9 |
| 5719.3 | 47.5° | 5392.7 | 4628.1 | 2337.1 | 1496.6 | 1430.3 | 1452.4 | 1408.2 | 1329.4 | 1235.3 | 1156.5 |
| 6179.4 | 50°   | 5745.3 | 4844.2 | 2090.2 | 1348.7 | 1339.1 | 1431.3 | 1389.0 | 1275.7 | 1168.1 | 1067.2 |
| 6630.9 | 52.5° | 6094.9 | 5019.1 | 1774.2 | 1214.2 | 1290.1 | 1425.5 | 1364.0 | 1239.2 | 1107.6 | 1001.9 |
| 7055.5 | 55°   | 6391.7 | 5109.3 | 1469.7 | 1098.9 | 1219.0 | 1376.5 | 1334.3 | 1195.9 | 1022.1 | 909.7  |
| 7346.5 | 57.5° | 6560.8 | 5036.3 | 1216.1 | 985.6  | 1121.0 | 1295.8 | 1283.3 | 1103.7 | 920.2  | 833.8  |
| 7403.2 | 60°   | 6487.8 | 4740.5 | 1008.6 | 886.6  | 1027.8 | 1208.4 | 1195.0 | 1012.5 | 842.4  | 760.8  |
| 7099.7 | 62.5° | 6085.3 | 4176.6 | 844.4  | 800.2  | 943.3  | 1119.1 | 1106.6 | 942.3  | 782.9  | 704.1  |
| 6293.7 | 65°   | 5274.6 | 3397.6 | 716.6  | 728.1  | 857.8  | 1011.5 | 1029.7 | 883.7  | 735.8  | 659.0  |
| 4869.2 | 67.5° | 4022.9 | 2461.0 | 616.7  | 665.7  | 774.2  | 905.8  | 958.7  | 841.5  | 696.4  | 623.4  |
| 2817.4 | 70°   | 2292.9 | 1397.6 | 532.2  | 605.2  | 700.3  | 807.9  | 903.9  | 807.9  | 654.2  | 593.6  |
| 1055.7 | 72.5° | 869.3  | 641.7  | 460.1  | 544.7  | 629.2  | 725.2  | 843.4  | 755.0  | 605.2  | 560.0  |
| 545.6  | 75°   | 464.0  | 391.0  | 387.1  | 473.6  | 547.5  | 644.6  | 767.5  | 703.1  | 568.7  | 591.7  |
| 377.5  | 77.5° | 316.0  | 276.6  | 323.7  | 405.4  | 458.2  | 555.2  | 686.8  | 624.4  | 492.8  | 490.9  |
| 261.3  | 80°   | 219.0  | 196.0  | 263.2  | 326.6  | 354.5  | 466.8  | 599.4  | 536.0  | 401.5  | 374.6  |
| 161.4  | 82.5° | 131.6  | 127.8  | 196.9  | 244.0  | 250.7  | 360.2  | 496.6  | 449.6  | 328.5  | 286.3  |
| 96.1   | 85°   | 72.0   | 75.9   | 125.8  | 143.1  | 146.0  | 251.7  | 389.0  | 347.7  | 252.6  | 212.3  |
| 34.6   | 87.5° | 20.2   | 25.9   | 46.1   | 56.7   | 70.1   | 130.6  | 231.5  | 206.5  | 126.8  | 88.4   |
| 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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| 180°   |
|--------|
| 2367.8 |
| 2541.7 |
| 2652.2 |
| 2683.9 |
| 2666.6 |
| 2626.2 |
| 2570.5 |
| 2476.4 |
| 2373.6 |
| 2308.3 |
| 2254.5 |
| 2194.9 |
| 2128.7 |
| 2031.6 |
| 1905.8 |
| 1746.3 |
| 1564.8 |
| 1383.2 |
| 1242.0 |
| 1147.9 |
| 1058.6 |
| 990.4  |
| 900.1  |
| 822.3  |
| 749.3  |
| 691.6  |
| 646.5  |
| 611.9  |
| 586.0  |
| 552.3  |
| 610.9  |
| 452.4  |
| 358.3  |
| 288.2  |
| 214.2  |
| 88.4   |
| 0.0    |