

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: P940784

Luminaire Tested: **GLAN-SB4A-735-U-T2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940784  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 13128 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

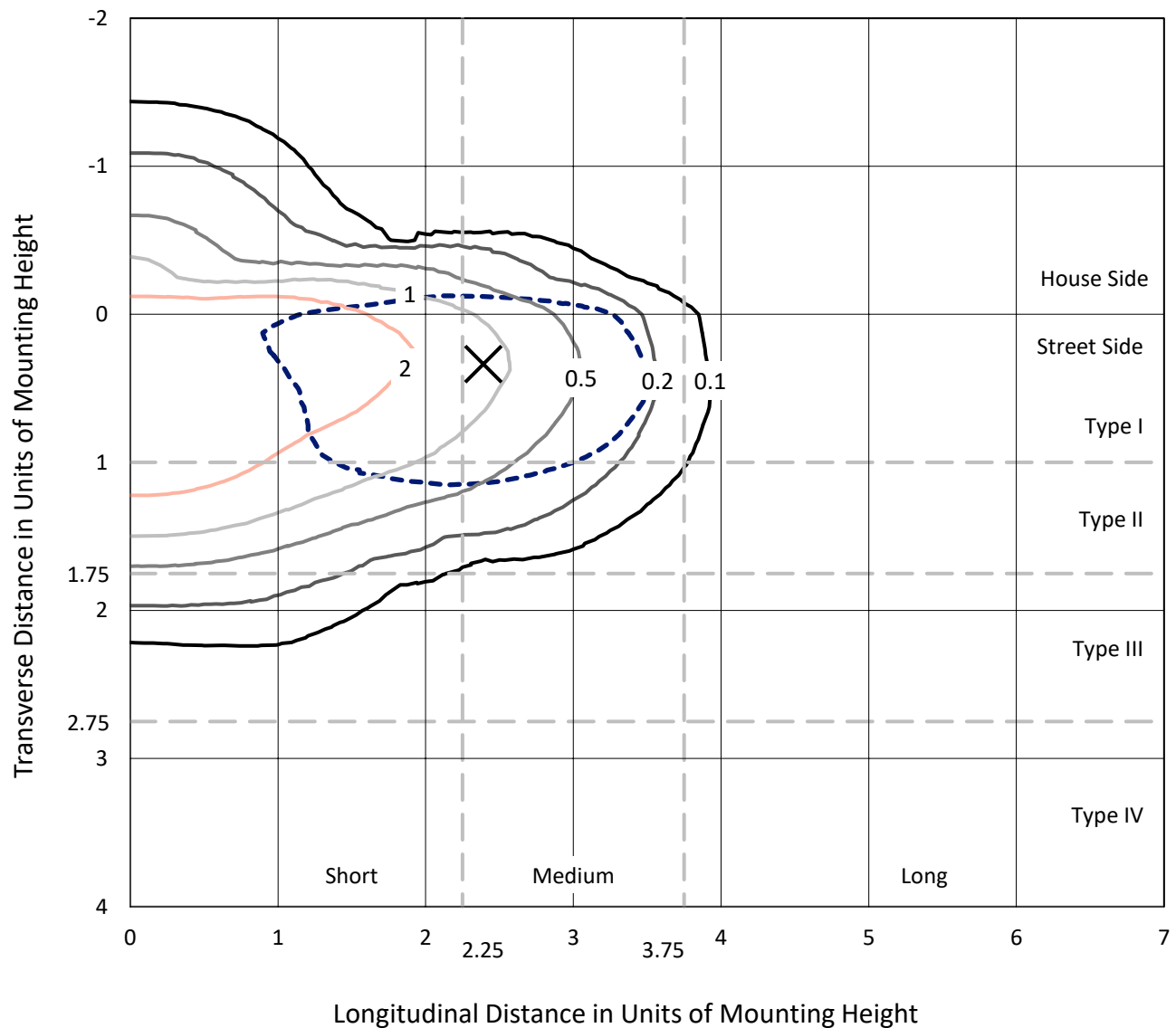
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

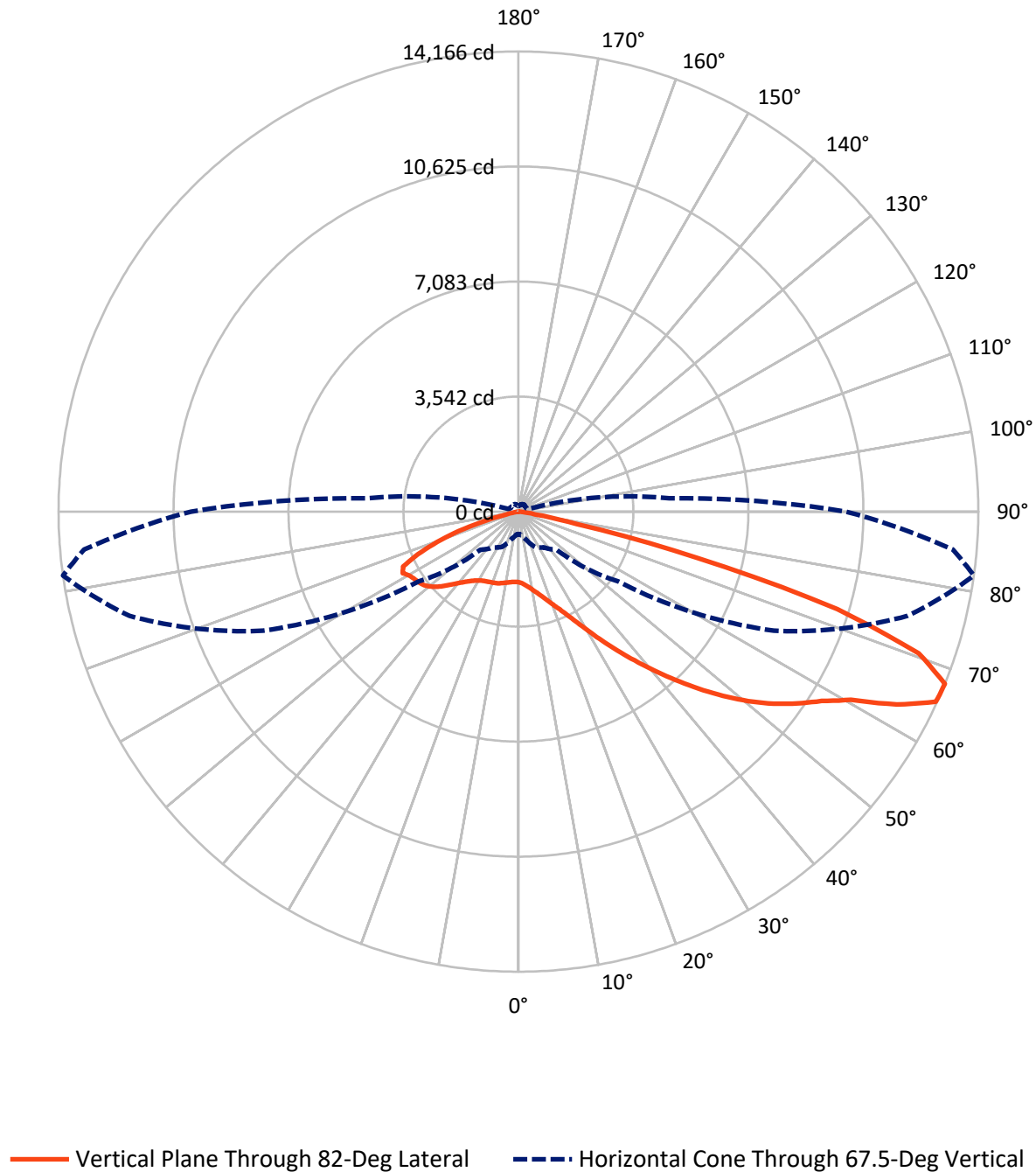
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2378.0   | 0.0    | 2378.0  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 10750.0  | 0.0    | 10750.0 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 13128.0  | 0.0    | 13128.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 193.8   | 1.5       |
| 10°-20°   | 503.5   | 3.8       |
| 20°-30°   | 806.5   | 6.1       |
| 30°-40°   | 1426.1  | 10.9      |
| 40°-50°   | 2498.6  | 19.0      |
| 50°-60°   | 3332.5  | 25.4      |
| 60°-70°   | 3102.4  | 23.6      |
| 70°-80°   | 1190.7  | 9.1       |
| 80°-90°   | 74.0    | 0.6       |
| 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°    | 13128.0 | 100.0     |
| 0°-180°   | 13128.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P940784

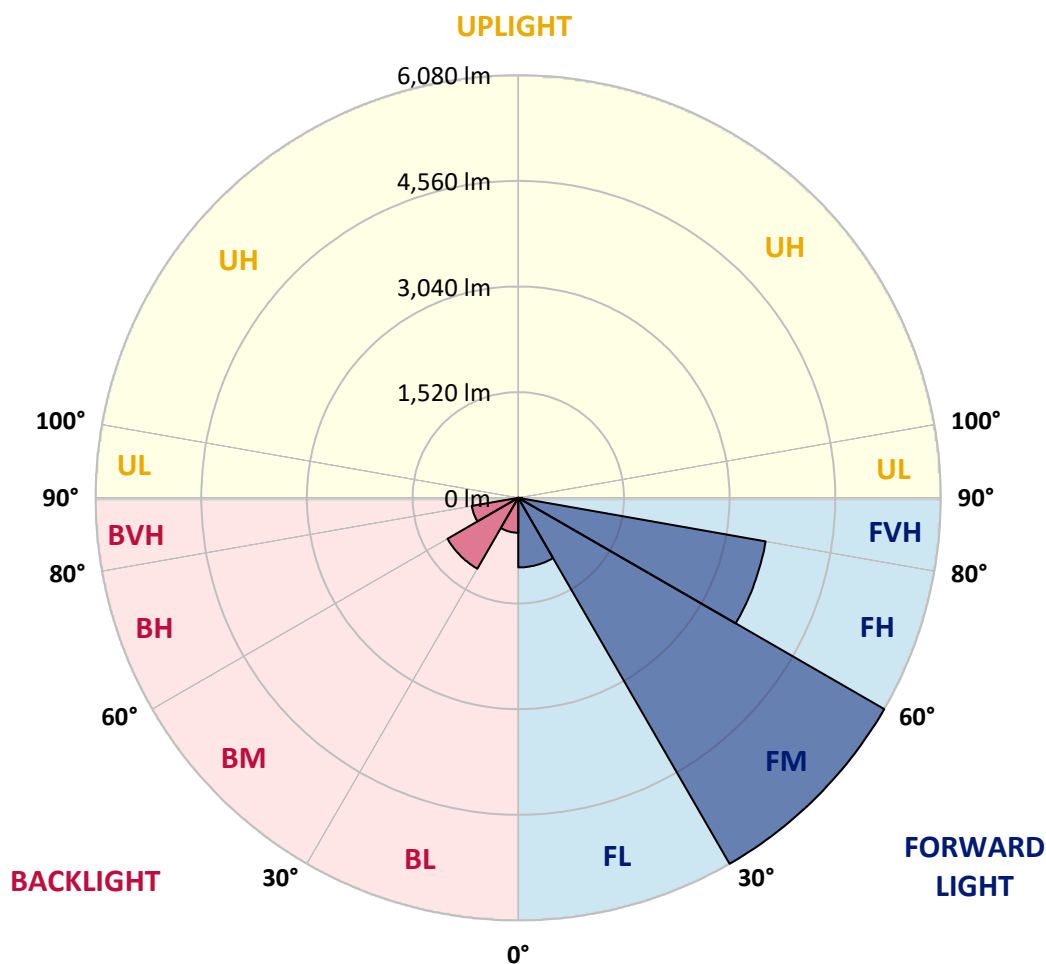
CATALOG NUMBER: GLAN-SB4A-735-U-T2-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1001.5 | 7.6       |                         |      |         |
| FM   | (30°-60°)   | 6080.4 | 46.3      |                         |      |         |
| FH   | (60°-80°)   | 3614.3 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 53.8   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 502.2  | 3.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1176.9 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 678.7  | 5.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 20.2   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Medium



REPORT NUMBER: P940784

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9  | 2174.9  |
| 2.5°  | 2298.7 | 2311.9 | 2304.4 | 2300.6 | 2294.0 | 2284.5 | 2276.9 | 2253.3 | 2228.7  | 2212.7  |
| 5°    | 2345.0 | 2358.2 | 2357.3 | 2361.1 | 2365.8 | 2368.6 | 2366.7 | 2340.3 | 2305.3  | 2277.9  |
| 7.5°  | 2305.3 | 2320.4 | 2332.7 | 2351.6 | 2384.7 | 2419.7 | 2436.7 | 2431.0 | 2395.1  | 2357.3  |
| 10°   | 2192.8 | 2208.9 | 2238.2 | 2282.6 | 2352.6 | 2428.2 | 2491.5 | 2520.8 | 2498.1  | 2456.5  |
| 12.5° | 1986.8 | 2002.8 | 2060.5 | 2156.9 | 2274.1 | 2405.5 | 2526.5 | 2604.9 | 2610.6  | 2569.0  |
| 15°   | 1755.2 | 1771.3 | 1832.7 | 1953.7 | 2132.3 | 2343.1 | 2545.4 | 2693.8 | 2743.9  | 2707.9  |
| 17.5° | 1611.5 | 1625.7 | 1672.0 | 1769.4 | 1955.6 | 2218.3 | 2538.8 | 2788.3 | 2902.7  | 2874.3  |
| 20°   | 1568.1 | 1580.3 | 1602.1 | 1670.1 | 1825.1 | 2088.9 | 2495.3 | 2877.1 | 3073.7  | 3057.7  |
| 22.5° | 1614.4 | 1625.7 | 1632.3 | 1662.6 | 1759.9 | 2003.8 | 2440.5 | 2967.9 | 3272.2  | 3274.1  |
| 25°   | 1721.2 | 1732.5 | 1725.0 | 1743.9 | 1786.4 | 1977.3 | 2419.7 | 3074.7 | 3521.8  | 3542.5  |
| 27.5° | 1897.0 | 1897.9 | 1880.0 | 1879.0 | 1885.6 | 2017.0 | 2441.4 | 3189.0 | 3836.5  | 3875.2  |
| 30°   | 2249.5 | 2235.4 | 2166.4 | 2091.7 | 2057.7 | 2136.1 | 2501.9 | 3324.2 | 4208.0  | 4277.0  |
| 32.5° | 2793.0 | 2772.2 | 2645.6 | 2466.9 | 2287.3 | 2328.0 | 2610.6 | 3478.3 | 4612.5  | 4737.3  |
| 35°   | 3382.8 | 3377.1 | 3244.8 | 2979.2 | 2665.4 | 2601.1 | 2787.3 | 3680.5 | 5053.9  | 5252.4  |
| 37.5° | 3931.0 | 3928.2 | 3852.6 | 3539.7 | 3157.9 | 2982.1 | 3070.9 | 3945.2 | 5526.5  | 5813.8  |
| 40°   | 4432.0 | 4440.5 | 4364.9 | 4085.1 | 3700.4 | 3470.7 | 3456.5 | 4272.2 | 6052.0  | 6425.4  |
| 42.5° | 4864.9 | 4874.3 | 4797.7 | 4590.8 | 4236.3 | 4011.4 | 3930.1 | 4673.0 | 6565.2  | 7082.3  |
| 45°   | 5158.8 | 5217.4 | 5206.1 | 5040.7 | 4786.4 | 4552.9 | 4499.1 | 5175.8 | 7150.3  | 7778.9  |
| 47.5° | 5242.0 | 5295.9 | 5380.9 | 5403.6 | 5248.6 | 5018.9 | 5083.2 | 5781.7 | 7742.0  | 8476.4  |
| 50°   | 5036.9 | 5087.0 | 5263.7 | 5499.1 | 5606.8 | 5535.9 | 5651.2 | 6431.0 | 8347.9  | 9172.1  |
| 52.5° | 4632.3 | 4683.4 | 4906.4 | 5278.8 | 5718.4 | 5941.4 | 6221.2 | 7070.9 | 8934.8  | 9830.8  |
| 55°   | 4047.3 | 4101.1 | 4387.5 | 4809.1 | 5505.7 | 6108.7 | 6696.6 | 7709.9 | 9472.6  | 10423.5 |
| 57.5° | 3251.4 | 3291.1 | 3588.9 | 4178.7 | 4970.7 | 5942.4 | 7047.3 | 8407.4 | 9979.2  | 11005.7 |
| 60°   | 2119.1 | 2154.1 | 2500.0 | 3157.9 | 4084.1 | 5386.6 | 7117.2 | 9185.3 | 10652.2 | 11762.8 |
| 62.5° | 1409.3 | 1432.9 | 1638.0 | 2121.0 | 2876.2 | 4319.5 | 6708.0 | 9806.3 | 11639.0 | 13080.4 |
| 65°   | 966.9  | 990.6  | 1195.7 | 1532.1 | 1858.2 | 2857.3 | 5531.2 | 9724.0 | 12533.1 | 14126.7 |
| 67.5° | 690.0  | 709.8  | 883.7  | 1201.3 | 1345.0 | 1659.7 | 3749.5 | 8673.0 | 12404.6 | 14166.4 |
| 70°   | 494.3  | 505.7  | 649.3  | 935.7  | 1069.0 | 997.2  | 2085.1 | 6633.3 | 10861.1 | 13081.3 |
| 72.5° | 345.9  | 349.7  | 450.9  | 712.7  | 861.1  | 727.8  | 992.4  | 4422.5 | 8214.6  | 10267.5 |
| 75°   | 234.4  | 239.1  | 303.4  | 522.7  | 690.9  | 555.8  | 525.5  | 2371.5 | 4822.3  | 5683.4  |
| 77.5° | 143.7  | 145.6  | 195.7  | 357.3  | 517.0  | 423.4  | 338.4  | 1004.7 | 1865.8  | 1831.8  |
| 80°   | 81.3   | 81.3   | 124.8  | 222.1  | 352.6  | 273.2  | 237.2  | 427.2  | 590.7   | 518.9   |
| 82.5° | 45.4   | 46.3   | 90.7   | 138.0  | 233.5  | 161.6  | 130.4  | 197.5  | 255.2   | 225.9   |
| 85°   | 18.9   | 20.8   | 55.8   | 65.2   | 111.5  | 80.3   | 52.9   | 83.2   | 94.5    | 84.1    |
| 87.5° | 1.9    | 2.8    | 17.0   | 12.3   | 13.2   | 16.1   | 7.6    | 16.1   | 13.2    | 13.2    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

REPORT NUMBER: P940784

CATALOG NUMBER: GLAN-SB4A-735-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2174.9  | 0°    | 2174.9  | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2174.9 |
| 2207.0  | 2.5°  | 2189.0  | 2174.9 | 2138.9 | 2097.4 | 2042.5 | 2016.1 | 1980.2 | 1955.6 | 1934.8 | 1936.7 |
| 2261.8  | 5°    | 2231.6  | 2195.7 | 2115.3 | 2015.1 | 1890.4 | 1801.5 | 1707.0 | 1641.8 | 1588.9 | 1577.5 |
| 2337.4  | 7.5°  | 2290.2  | 2233.5 | 2092.6 | 1912.1 | 1701.3 | 1541.6 | 1398.9 | 1307.2 | 1242.0 | 1221.2 |
| 2429.1  | 10°   | 2365.8  | 2283.6 | 2063.3 | 1782.6 | 1479.2 | 1276.0 | 1122.9 | 1051.0 | 1006.6 | 991.5  |
| 2536.9  | 12.5° | 2453.7  | 2341.2 | 2024.6 | 1624.8 | 1250.5 | 1054.8 | 957.5  | 921.6  | 907.4  | 902.6  |
| 2669.2  | 15°   | 2564.3  | 2413.1 | 1966.0 | 1437.6 | 1056.7 | 919.7  | 878.1  | 873.3  | 875.2  | 873.3  |
| 2828.0  | 17.5° | 2695.7  | 2491.5 | 1870.5 | 1244.8 | 926.3  | 850.7  | 835.5  | 839.3  | 844.0  | 843.1  |
| 3005.7  | 20°   | 2839.3  | 2569.0 | 1748.6 | 1073.7 | 837.4  | 801.5  | 793.0  | 796.8  | 800.6  | 798.7  |
| 3210.8  | 22.5° | 3002.8  | 2652.2 | 1613.4 | 940.5  | 777.9  | 756.1  | 746.7  | 747.6  | 747.6  | 743.9  |
| 3470.7  | 25°   | 3198.5  | 2743.9 | 1471.6 | 845.9  | 732.5  | 715.5  | 704.2  | 700.4  | 694.7  | 683.4  |
| 3786.4  | 27.5° | 3432.0  | 2841.2 | 1335.5 | 779.8  | 696.6  | 680.5  | 667.3  | 657.8  | 643.7  | 624.8  |
| 4165.4  | 30°   | 3694.7  | 2959.4 | 1220.2 | 738.2  | 668.2  | 652.2  | 637.1  | 622.9  | 602.1  | 578.5  |
| 4601.1  | 32.5° | 4003.8  | 3086.0 | 1136.1 | 710.8  | 642.7  | 625.7  | 607.8  | 590.7  | 568.1  | 544.4  |
| 5090.8  | 35°   | 4372.4  | 3239.1 | 1087.0 | 691.9  | 622.9  | 600.2  | 580.3  | 561.4  | 544.4  | 523.6  |
| 5622.9  | 37.5° | 4772.2  | 3401.7 | 1071.8 | 682.4  | 609.6  | 574.7  | 552.0  | 538.8  | 536.9  | 524.6  |
| 6198.5  | 40°   | 5209.8  | 3594.5 | 1083.2 | 676.8  | 595.5  | 550.1  | 525.5  | 522.7  | 527.4  | 505.7  |
| 6813.8  | 42.5° | 5673.0  | 3823.3 | 1102.1 | 670.1  | 575.6  | 525.5  | 501.9  | 501.9  | 498.1  | 467.9  |
| 7464.1  | 45°   | 6173.9  | 4087.0 | 1121.0 | 654.1  | 552.0  | 500.9  | 483.0  | 476.4  | 460.3  | 431.0  |
| 8118.2  | 47.5° | 6678.7  | 4355.4 | 1135.2 | 624.8  | 523.6  | 480.2  | 464.1  | 449.0  | 425.3  | 398.9  |
| 8760.0  | 50°   | 7157.9  | 4596.4 | 1120.0 | 581.3  | 491.5  | 460.3  | 443.3  | 422.5  | 397.0  | 379.0  |
| 9367.7  | 52.5° | 7586.0  | 4805.3 | 1055.8 | 530.2  | 457.5  | 439.5  | 424.4  | 402.6  | 381.9  | 363.0  |
| 9915.9  | 55°   | 7958.4  | 4974.5 | 942.3  | 482.0  | 427.2  | 421.6  | 406.4  | 379.0  | 350.7  | 334.6  |
| 10459.4 | 57.5° | 8315.7  | 5103.0 | 800.6  | 442.3  | 399.8  | 401.7  | 379.0  | 354.4  | 328.0  | 311.0  |
| 11191.9 | 60°   | 8791.1  | 5275.1 | 656.9  | 405.5  | 370.5  | 376.2  | 351.6  | 333.6  | 300.6  | 278.8  |
| 12448.1 | 62.5° | 9551.1  | 5542.6 | 521.7  | 360.1  | 336.5  | 338.4  | 328.0  | 306.2  | 266.5  | 241.0  |
| 13379.1 | 65°   | 10154.1 | 5444.3 | 411.2  | 311.0  | 297.7  | 300.6  | 300.6  | 276.9  | 234.4  | 205.1  |
| 13429.2 | 67.5° | 10086.0 | 4661.6 | 328.0  | 262.8  | 260.9  | 262.8  | 269.4  | 249.5  | 207.9  | 184.3  |
| 12406.5 | 70°   | 9291.1  | 3708.0 | 262.8  | 218.3  | 226.8  | 222.1  | 241.0  | 227.8  | 187.1  | 163.5  |
| 9618.2  | 72.5° | 7581.3  | 2671.1 | 200.4  | 180.5  | 173.9  | 181.5  | 217.4  | 205.1  | 156.0  | 129.5  |
| 5094.5  | 75°   | 4430.1  | 1425.3 | 149.3  | 142.7  | 125.7  | 151.2  | 192.8  | 174.9  | 119.1  | 95.5   |
| 1561.4  | 77.5° | 1442.3  | 497.2  | 109.6  | 104.9  | 93.6   | 121.9  | 164.5  | 147.4  | 97.4   | 75.6   |
| 457.5   | 80°   | 386.6   | 150.3  | 74.7   | 69.0   | 60.5   | 90.7   | 130.4  | 117.2  | 69.9   | 49.1   |
| 196.6   | 82.5° | 155.0   | 63.3   | 43.5   | 38.8   | 33.1   | 62.4   | 103.0  | 94.5   | 52.0   | 31.2   |
| 61.4    | 85°   | 50.1    | 20.8   | 16.1   | 12.3   | 15.1   | 38.8   | 61.4   | 64.3   | 36.9   | 16.1   |
| 9.5     | 87.5° | 6.6     | 2.8    | 2.8    | 3.8    | 2.8    | 6.6    | 18.9   | 18.0   | 10.4   | 1.9    |
| 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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| 180°   |
|--------|
| 2174.9 |
| 1917.8 |
| 1552.0 |
| 1200.4 |
| 980.2  |
| 899.8  |
| 872.4  |
| 841.2  |
| 797.7  |
| 742.0  |
| 681.5  |
| 622.9  |
| 576.6  |
| 545.4  |
| 521.7  |
| 523.6  |
| 506.6  |
| 467.9  |
| 430.1  |
| 397.9  |
| 376.2  |
| 361.1  |
| 332.7  |
| 309.1  |
| 276.0  |
| 239.1  |
| 202.3  |
| 180.5  |
| 160.7  |
| 126.7  |
| 92.6   |
| 72.8   |
| 48.2   |
| 31.2   |
| 12.3   |
| 0.0    |
| 0.0    |