

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: P522803

Luminaire Tested: **GLAN-SA6B-727-U-T4W**

Issue Date: 5/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P522803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-727-U-T4W  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28239 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

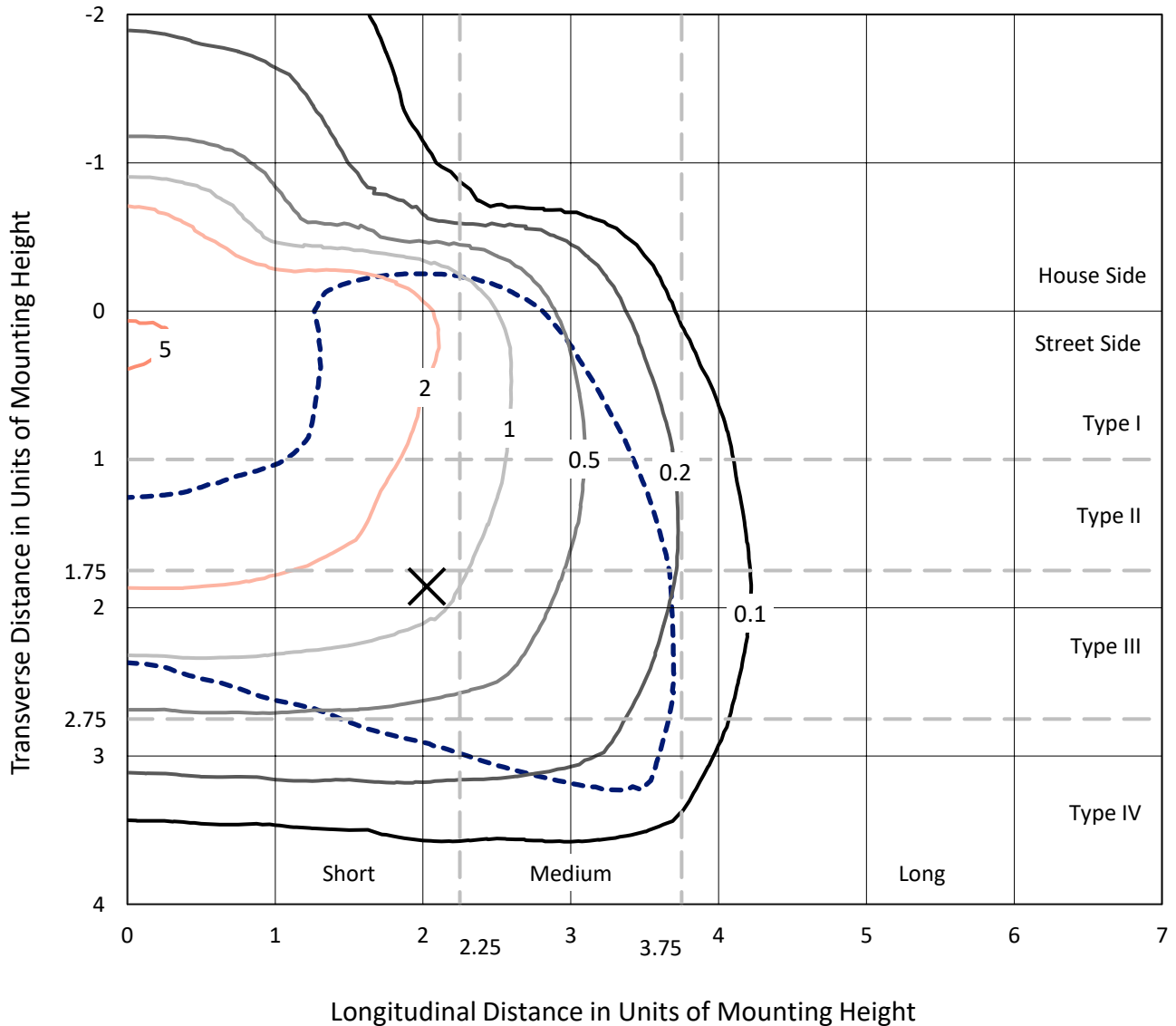
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P522803  
 CATALOG NUMBER: GLAN-SA6B-727-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

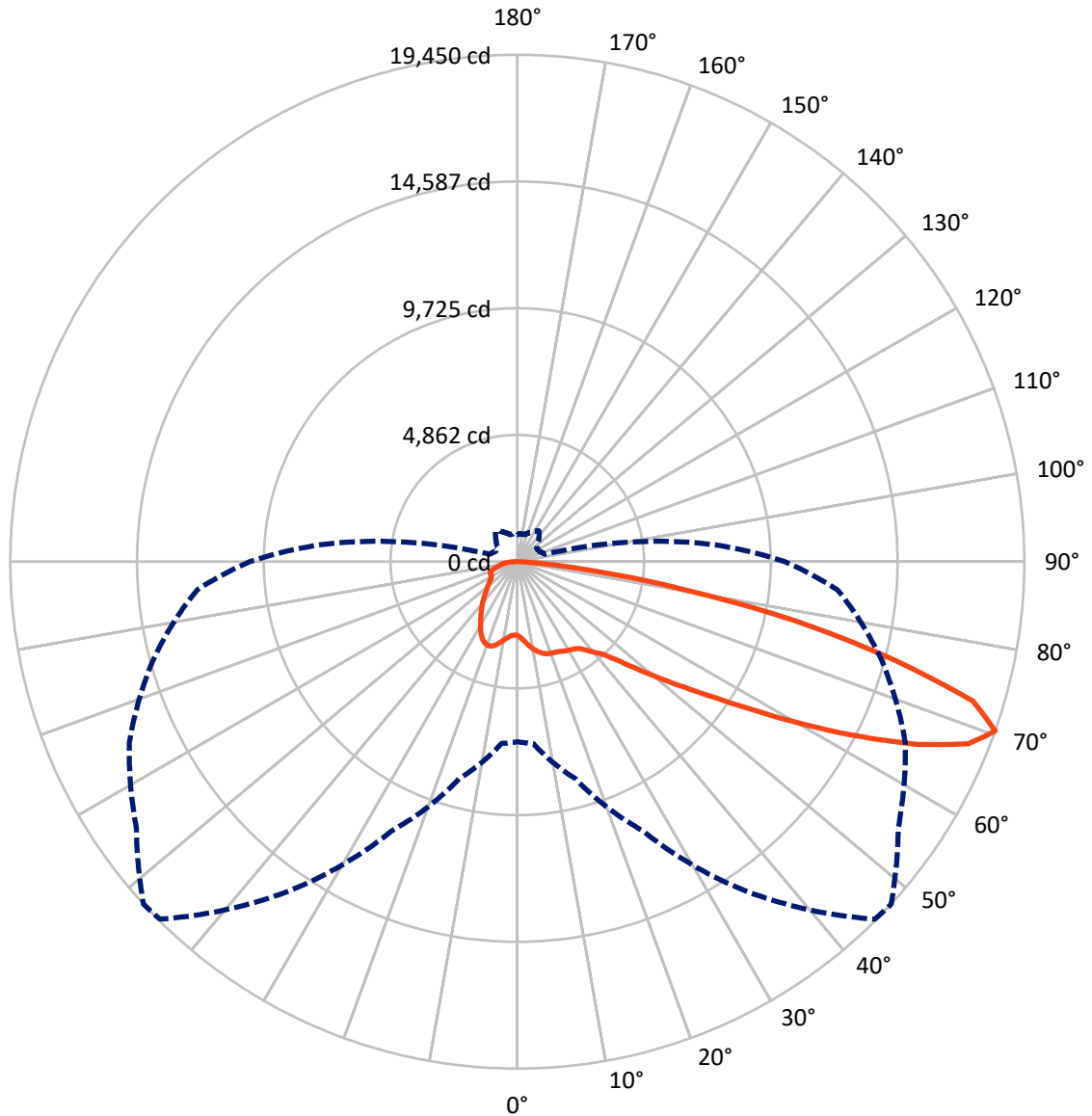
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P522803  
CATALOG NUMBER: GLAN-SA6B-727-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P522803

CATALOG NUMBER: GLAN-SA6B-727-U-T4W

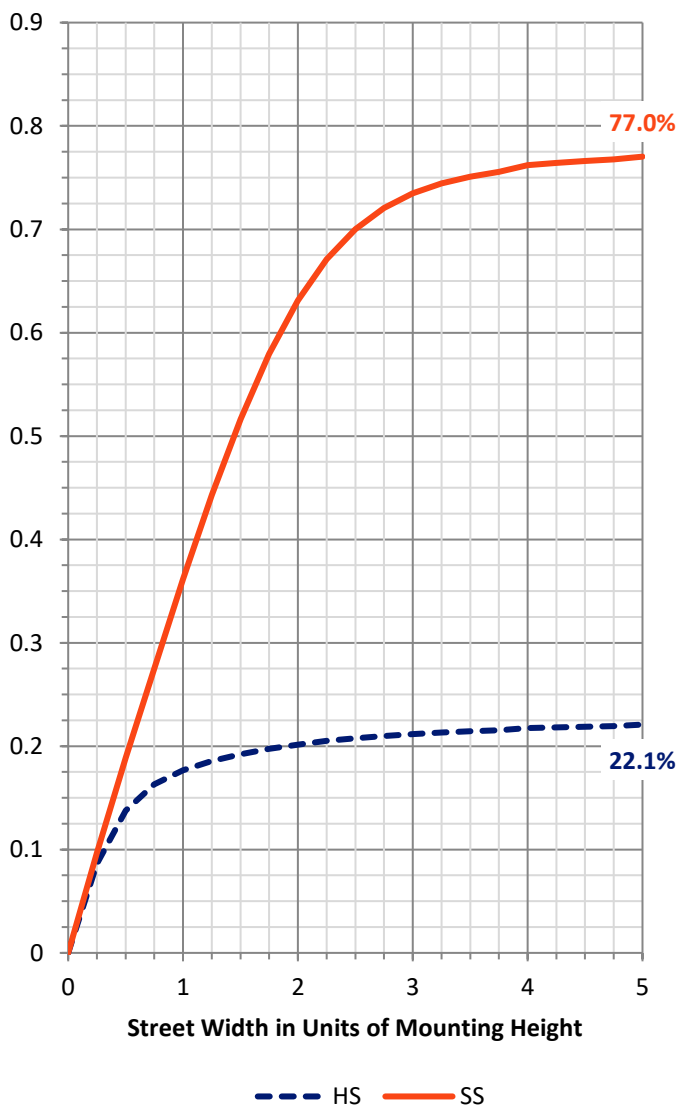
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6393.9   | 0.0    | 6393.9  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 21845.1  | 0.0    | 21845.1 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 28239.0  | 0.0    | 28239.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 292.2   | 1.0       |
| 10°-20°   | 976.9   | 3.5       |
| 20°-30°   | 1624.6  | 5.8       |
| 30°-40°   | 2302.6  | 8.2       |
| 40°-50°   | 3399.1  | 12.0      |
| 50°-60°   | 5887.4  | 20.8      |
| 60°-70°   | 8316.1  | 29.4      |
| 70°-80°   | 4780.5  | 16.9      |
| 80°-90°   | 659.6   | 2.3       |
| 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°    | 28239.0 | 100.0     |
| 0°-180°   | 28239.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P522803

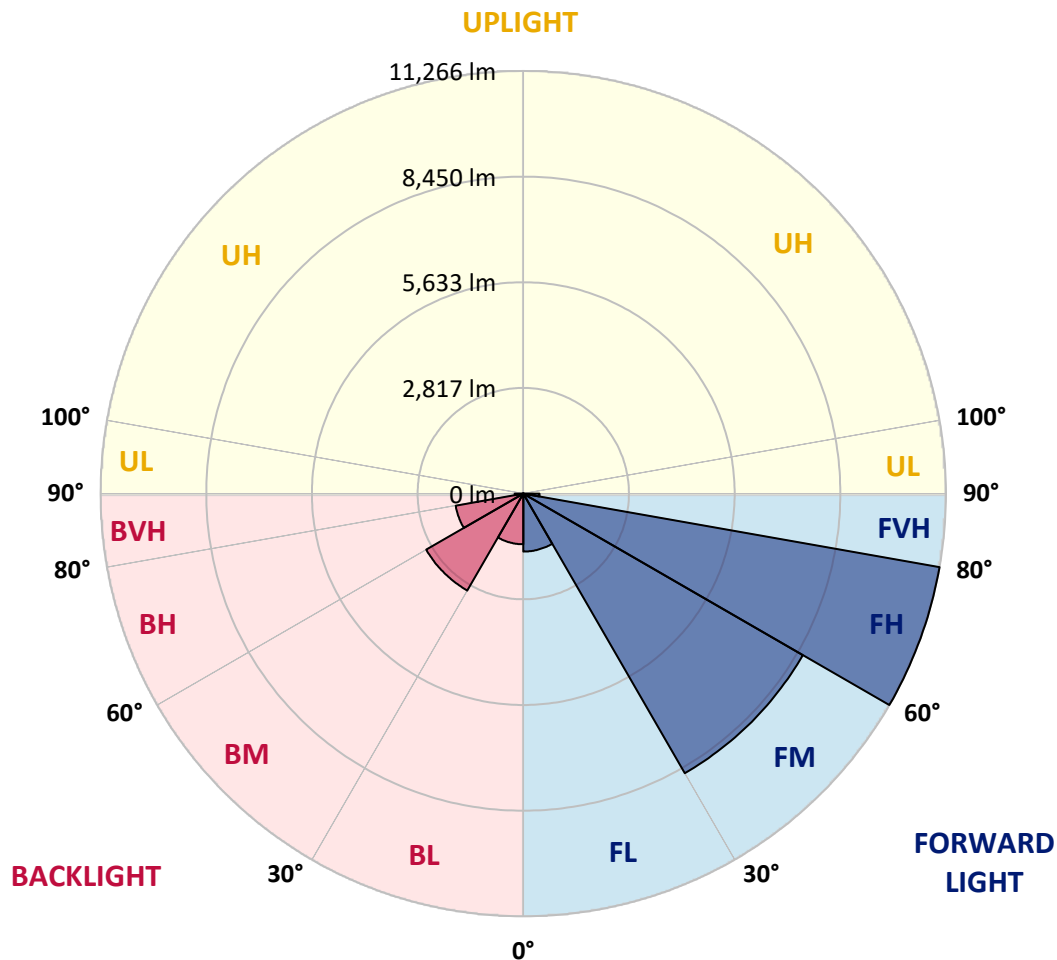
CATALOG NUMBER: GLAN-SA6B-727-U-T4W

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1544.2  | 5.5       |                         |      |          |
| FM   | (30°-60°)   | 8603.9  | 30.5      |                         |      |          |
| FH   | (60°-80°)   | 11266.2 | 39.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 430.9   | 1.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1349.5  | 4.8       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2985.2  | 10.6      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1830.5  | 6.5       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 228.7   | 0.8       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type IV Short





REPORT NUMBER: P522803

CATALOG NUMBER: GLAN-SA6B-727-U-T4W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 47.5°   | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2834.9  | 2834.9  | 2834.9  | 2834.9  | 2834.9  | 2834.9  | 2834.9  | 2834.9  | 2834.9  | 2834.9  | 2834.9  |
| 2.5°  | 3017.7  | 3007.1  | 3005.6  | 2982.9  | 2970.9  | 2948.2  | 2939.1  | 2918.0  | 2892.3  | 2866.6  | 2842.4  |
| 5°    | 3254.9  | 3254.9  | 3244.4  | 3212.6  | 3162.8  | 3111.4  | 3088.7  | 3047.9  | 2975.4  | 2916.5  | 2866.6  |
| 7.5°  | 3498.2  | 3501.3  | 3480.1  | 3433.3  | 3362.2  | 3279.1  | 3258.0  | 3197.5  | 3094.8  | 3008.6  | 2934.6  |
| 10°   | 3708.3  | 3708.3  | 3679.6  | 3616.1  | 3526.9  | 3436.3  | 3415.1  | 3347.1  | 3232.3  | 3125.0  | 3028.3  |
| 12.5° | 3868.5  | 3868.5  | 3830.7  | 3747.6  | 3650.9  | 3569.3  | 3545.1  | 3480.1  | 3372.8  | 3253.4  | 3131.0  |
| 15°   | 3972.7  | 3965.2  | 3922.9  | 3829.2  | 3735.5  | 3664.5  | 3647.8  | 3593.4  | 3495.2  | 3374.3  | 3236.8  |
| 17.5° | 3977.3  | 3974.2  | 3933.4  | 3854.9  | 3773.3  | 3724.9  | 3714.3  | 3678.1  | 3601.0  | 3486.1  | 3341.1  |
| 20°   | 3889.6  | 3895.7  | 3868.5  | 3812.5  | 3773.3  | 3752.1  | 3747.6  | 3735.5  | 3681.1  | 3573.8  | 3428.7  |
| 22.5° | 3795.9  | 3806.5  | 3780.8  | 3750.6  | 3747.6  | 3768.7  | 3771.7  | 3774.8  | 3740.0  | 3635.7  | 3502.8  |
| 25°   | 3773.3  | 3780.8  | 3755.1  | 3727.9  | 3744.5  | 3800.5  | 3812.5  | 3824.6  | 3797.4  | 3709.8  | 3590.4  |
| 27.5° | 3888.1  | 3882.1  | 3832.2  | 3773.3  | 3783.8  | 3859.4  | 3876.0  | 3889.6  | 3876.0  | 3800.5  | 3699.2  |
| 30°   | 4213.0  | 4193.4  | 4093.6  | 3921.3  | 3866.9  | 3919.8  | 3936.5  | 3974.2  | 3974.2  | 3918.3  | 3817.1  |
| 32.5° | 4757.0  | 4719.2  | 4536.4  | 4197.9  | 4009.0  | 3977.3  | 3993.9  | 4055.8  | 4087.6  | 4043.7  | 3933.4  |
| 35°   | 5417.4  | 5378.1  | 5116.6  | 4661.8  | 4268.9  | 4092.1  | 4087.6  | 4157.1  | 4241.7  | 4143.5  | 3999.9  |
| 37.5° | 6080.7  | 6039.9  | 5725.6  | 5214.9  | 4648.2  | 4333.9  | 4306.7  | 4330.9  | 4367.1  | 4187.3  | 4092.1  |
| 40°   | 6744.1  | 6695.8  | 6420.7  | 5832.9  | 5112.1  | 4654.2  | 4583.2  | 4474.4  | 4459.3  | 4330.9  | 4270.4  |
| 42.5° | 7401.5  | 7357.6  | 7218.6  | 6526.5  | 5668.2  | 4967.0  | 4858.2  | 4670.9  | 4728.3  | 4651.2  | 4598.3  |
| 45°   | 8064.8  | 8067.9  | 7919.8  | 7304.7  | 6339.1  | 5544.3  | 5397.7  | 5104.6  | 5240.6  | 5211.8  | 5242.1  |
| 47.5° | 8652.7  | 8645.1  | 8592.2  | 8060.3  | 7171.8  | 6287.8  | 6098.9  | 5758.9  | 5991.6  | 6097.4  | 6328.6  |
| 50°   | 9222.3  | 9217.8  | 9220.8  | 8917.1  | 8138.9  | 7171.8  | 6963.2  | 6606.6  | 7131.0  | 7498.2  | 7912.2  |
| 52.5° | 10038.4 | 10064.0 | 9881.2  | 9801.1  | 9314.5  | 8215.9  | 7986.3  | 7617.5  | 8477.4  | 9056.1  | 9864.6  |
| 55°   | 10857.4 | 10836.2 | 10692.7 | 10775.8 | 10544.6 | 9452.0  | 9211.8  | 8918.6  | 9976.4  | 10609.6 | 11824.5 |
| 57.5° | 11339.4 | 11347.0 | 11493.6 | 11900.0 | 12063.2 | 10993.4 | 10775.8 | 10549.1 | 11661.3 | 12110.1 | 13568.3 |
| 60°   | 11773.1 | 11807.9 | 12229.5 | 12997.1 | 13439.9 | 12886.8 | 12693.4 | 12472.8 | 13207.2 | 13385.5 | 15082.5 |
| 62.5° | 11909.1 | 12016.4 | 12752.3 | 13900.8 | 14781.7 | 15023.5 | 14783.3 | 14296.7 | 14679.0 | 14609.5 | 16108.5 |
| 65°   | 11230.6 | 11377.2 | 12696.4 | 14239.3 | 15980.1 | 17051.4 | 16898.8 | 15995.2 | 15933.2 | 15514.6 | 16276.2 |
| 67.5° | 9444.5  | 9591.1  | 11285.0 | 13529.0 | 16475.7 | 18807.4 | 18654.7 | 17234.3 | 16694.8 | 15599.3 | 15006.9 |
| 70°   | 6910.3  | 7002.5  | 8622.4  | 11390.8 | 15479.9 | 19396.7 | 19449.6 | 17838.7 | 16422.8 | 14449.3 | 12321.6 |
| 72.5° | 3981.8  | 4185.8  | 5320.6  | 8013.5  | 12646.5 | 17906.7 | 18273.9 | 16581.5 | 14703.2 | 12054.2 | 8614.9  |
| 75°   | 1712.1  | 1716.6  | 2460.1  | 4420.0  | 8565.0  | 14393.4 | 14748.5 | 13745.1 | 11546.4 | 8335.3  | 4599.8  |
| 77.5° | 814.5   | 829.6   | 1082.0  | 1973.5  | 4714.7  | 9944.7  | 10902.7 | 9710.4  | 7384.8  | 4004.5  | 1737.8  |
| 80°   | 528.9   | 539.5   | 661.9   | 979.2   | 2312.0  | 5766.4  | 6434.3  | 5601.7  | 3258.0  | 1431.0  | 749.5   |
| 82.5° | 320.4   | 323.4   | 442.8   | 598.4   | 1272.4  | 2611.2  | 3078.1  | 2431.4  | 1390.2  | 856.8   | 441.2   |
| 85°   | 194.9   | 196.4   | 269.0   | 370.2   | 772.2   | 902.1   | 926.3   | 918.8   | 816.0   | 560.6   | 235.7   |
| 87.5° | 93.7    | 96.7    | 139.0   | 175.3   | 303.7   | 279.6   | 264.4   | 306.8   | 385.3   | 302.2   | 101.2   |
| 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: P522803

CATALOG NUMBER: GLAN-SA6B-727-U-T4W

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2834.9  | 2834.9  | 2834.9 | 2834.9 | 2834.9 | 2834.9 | 2834.9 | 2834.9 | 2834.9 | 2834.9 | 2834.9 |
| 2.5°  | 2831.8  | 2827.3  | 2816.7 | 2812.2 | 2809.2 | 2810.7 | 2809.2 | 2809.2 | 2810.7 | 2810.7 | 2810.7 |
| 5°    | 2845.4  | 2837.9  | 2821.3 | 2821.3 | 2830.3 | 2851.5 | 2871.1 | 2886.2 | 2902.9 | 2901.3 | 2901.3 |
| 7.5°  | 2904.4  | 2890.8  | 2871.1 | 2877.2 | 2899.8 | 2933.1 | 2967.8 | 3001.1 | 3034.3 | 3037.3 | 3035.8 |
| 10°   | 2990.5  | 2976.9  | 2955.7 | 2963.3 | 2999.6 | 3049.4 | 3093.3 | 3141.6 | 3177.9 | 3188.5 | 3185.4 |
| 12.5° | 3088.7  | 3061.5  | 3043.4 | 3064.5 | 3122.0 | 3188.5 | 3230.8 | 3267.0 | 3292.7 | 3307.8 | 3301.8 |
| 15°   | 3188.5  | 3162.8  | 3141.6 | 3185.4 | 3254.9 | 3316.9 | 3338.1 | 3344.1 | 3348.6 | 3363.7 | 3360.7 |
| 17.5° | 3285.2  | 3250.4  | 3242.9 | 3300.3 | 3366.8 | 3394.0 | 3381.9 | 3356.2 | 3336.5 | 3348.6 | 3347.1 |
| 20°   | 3371.3  | 3344.1  | 3341.1 | 3398.5 | 3424.2 | 3398.5 | 3347.1 | 3301.8 | 3267.0 | 3270.1 | 3268.5 |
| 22.5° | 3452.9  | 3431.7  | 3434.8 | 3458.9 | 3418.1 | 3330.5 | 3245.9 | 3183.9 | 3146.1 | 3153.7 | 3158.2 |
| 25°   | 3543.6  | 3522.4  | 3530.0 | 3490.7 | 3356.2 | 3203.6 | 3081.2 | 3028.3 | 3013.2 | 3028.3 | 3038.9 |
| 27.5° | 3661.4  | 3647.8  | 3643.3 | 3492.2 | 3245.9 | 3016.2 | 2877.2 | 2857.5 | 2871.1 | 2904.4 | 2921.0 |
| 30°   | 3788.4  | 3788.4  | 3764.2 | 3466.5 | 3094.8 | 2791.0 | 2670.1 | 2673.2 | 2720.0 | 2766.9 | 2783.5 |
| 32.5° | 3910.8  | 3936.5  | 3860.9 | 3397.0 | 2899.8 | 2571.9 | 2479.7 | 2482.8 | 2523.6 | 2581.0 | 2596.1 |
| 35°   | 4012.0  | 4086.1  | 3944.0 | 3270.1 | 2670.1 | 2387.6 | 2318.1 | 2277.3 | 2278.8 | 2322.6 | 2334.7 |
| 37.5° | 4151.0  | 4288.6  | 3992.4 | 3081.2 | 2425.3 | 2230.4 | 2151.8 | 2080.8 | 2034.0 | 2015.8 | 2015.8 |
| 40°   | 4392.8  | 4595.3  | 4004.5 | 2801.6 | 2194.1 | 2080.8 | 1969.0 | 1884.4 | 1793.7 | 1712.1 | 1697.0 |
| 42.5° | 4802.3  | 5057.7  | 3980.3 | 2479.7 | 1985.6 | 1916.1 | 1807.3 | 1703.0 | 1577.6 | 1462.8 | 1453.7 |
| 45°   | 5527.7  | 5659.1  | 3915.3 | 2145.8 | 1799.7 | 1757.4 | 1651.7 | 1538.3 | 1405.3 | 1302.6 | 1295.0 |
| 47.5° | 6689.7  | 6503.8  | 3829.2 | 1849.6 | 1630.5 | 1618.4 | 1536.8 | 1405.3 | 1272.4 | 1201.3 | 1193.8 |
| 50°   | 8386.7  | 7833.6  | 3817.1 | 1635.0 | 1494.5 | 1500.5 | 1434.1 | 1313.2 | 1196.8 | 1137.9 | 1128.8 |
| 52.5° | 10429.7 | 9439.9  | 3897.2 | 1483.9 | 1375.1 | 1397.8 | 1364.5 | 1252.7 | 1150.0 | 1100.1 | 1091.0 |
| 55°   | 12412.3 | 10884.6 | 3945.5 | 1366.0 | 1263.3 | 1305.6 | 1310.1 | 1216.4 | 1122.8 | 1072.9 | 1066.8 |
| 57.5° | 14021.7 | 11972.6 | 3730.9 | 1258.8 | 1166.6 | 1231.6 | 1264.8 | 1195.3 | 1109.2 | 1071.4 | 1065.3 |
| 60°   | 15141.4 | 12486.4 | 3120.5 | 1163.6 | 1095.6 | 1172.6 | 1248.2 | 1196.8 | 1142.4 | 1146.9 | 1150.0 |
| 62.5° | 15498.0 | 12258.2 | 2340.7 | 1092.5 | 1047.2 | 1153.0 | 1275.4 | 1258.8 | 1202.8 | 1237.6 | 1243.6 |
| 65°   | 14907.2 | 11315.2 | 1697.0 | 1036.6 | 1004.9 | 1166.6 | 1357.0 | 1304.1 | 1181.7 | 1207.4 | 1207.4 |
| 67.5° | 12929.1 | 9748.2  | 1320.7 | 985.2  | 956.5  | 1192.3 | 1438.6 | 1299.6 | 1131.8 | 1162.0 | 1134.8 |
| 70°   | 10256.0 | 7540.5  | 1100.1 | 927.8  | 905.2  | 1154.5 | 1446.1 | 1252.7 | 1072.9 | 1078.9 | 1027.6 |
| 72.5° | 6806.1  | 4958.0  | 946.0  | 873.4  | 826.6  | 1038.1 | 1384.2 | 1192.3 | 1015.5 | 980.7  | 929.3  |
| 75°   | 3335.0  | 2472.2  | 825.1  | 805.4  | 723.8  | 903.6  | 1299.6 | 1134.8 | 953.5  | 899.1  | 870.4  |
| 77.5° | 1292.0  | 1051.7  | 704.2  | 719.3  | 630.1  | 796.4  | 1187.7 | 1053.2 | 871.9  | 797.9  | 775.2  |
| 80°   | 627.1   | 596.9   | 577.2  | 599.9  | 518.3  | 678.5  | 1085.0 | 982.2  | 796.4  | 714.8  | 681.5  |
| 82.5° | 389.9   | 368.7   | 442.8  | 466.9  | 398.9  | 619.6  | 1029.1 | 921.8  | 701.2  | 592.4  | 565.2  |
| 85°   | 198.0   | 211.6   | 296.2  | 318.8  | 285.6  | 492.6  | 847.7  | 692.1  | 506.2  | 420.1  | 423.1  |
| 87.5° | 75.6    | 101.2   | 155.6  | 167.7  | 152.6  | 259.9  | 466.9  | 403.5  | 324.9  | 220.6  | 204.0  |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)