

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: P952009

Luminaire Tested: **GLAN-SB6A-727-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-727-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25902 lumens  
Efficiency: N/A  
Efficacy: 151.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 170.9  
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



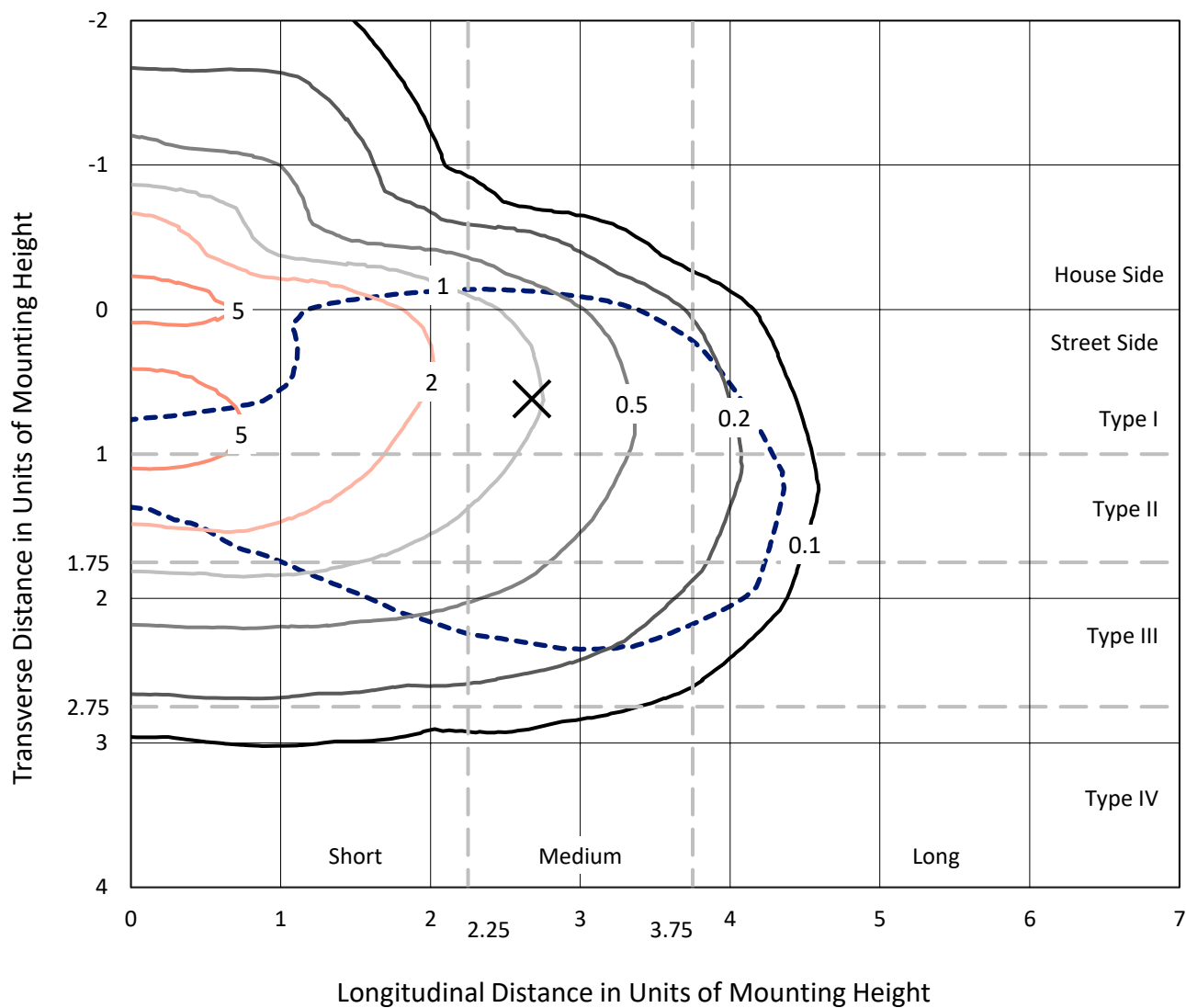
REPORT NUMBER: P952009

CATALOG NUMBER: GLAN-SB6A-727-U-T3R

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

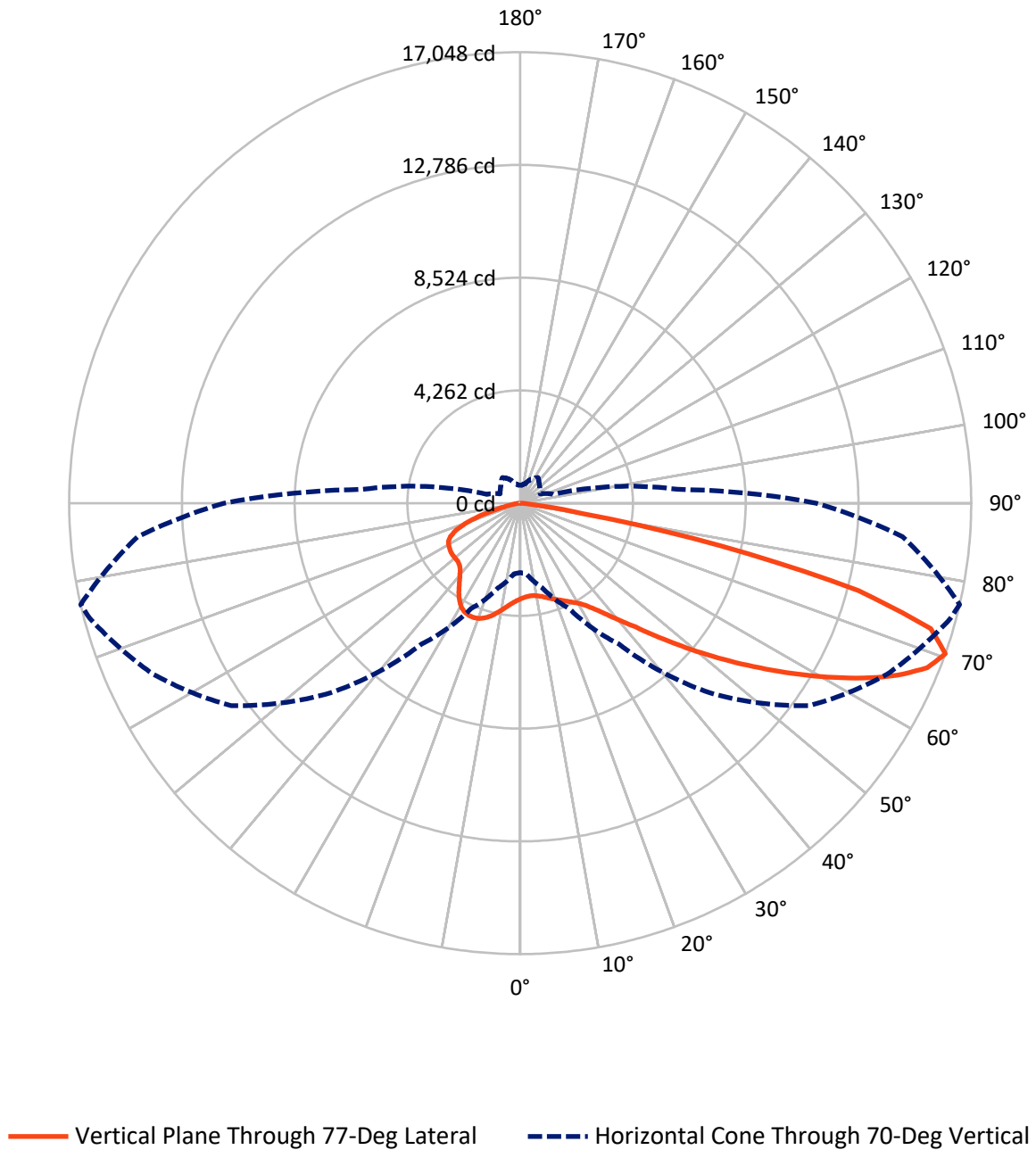


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Medium - N/A

REPORT NUMBER: P952009

CATALOG NUMBER: GLAN-SB6A-727-U-T3R

## Luminous Intensity Polar Plot



REPORT NUMBER: P952009

CATALOG NUMBER: GLAN-SB6A-727-U-T3R

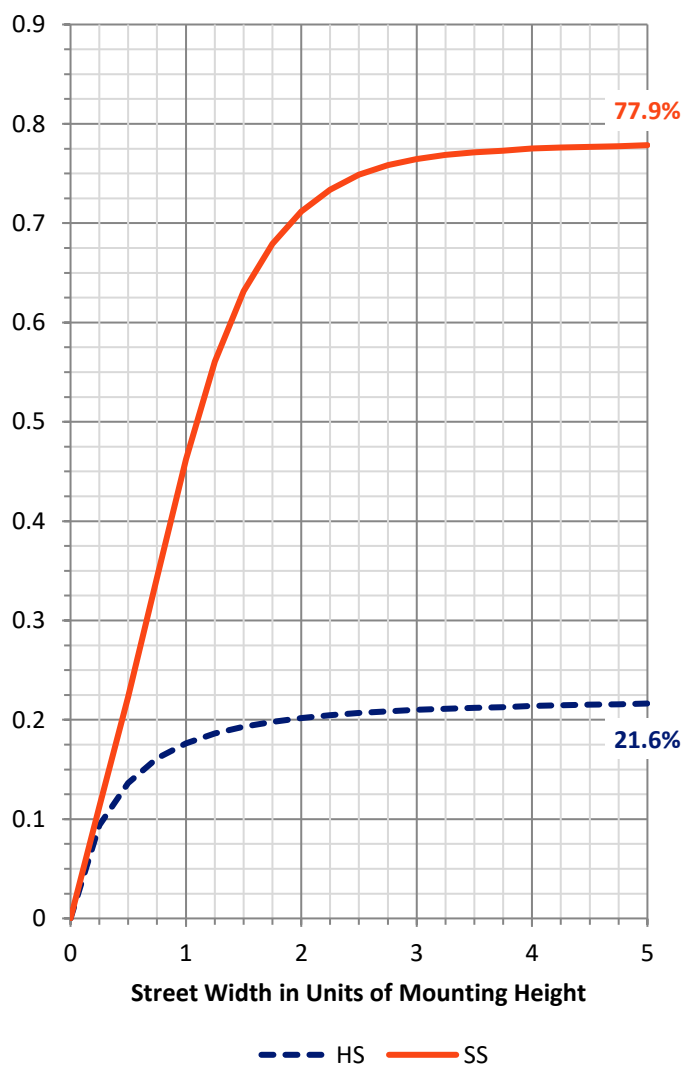
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5672.1   | 0.0    | 5672.1  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 20229.9  | 0.0    | 20229.9 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 25902.0  | 0.0    | 25902.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 344.6   | 1.3       |
| 10°-20°   | 994.7   | 3.8       |
| 20°-30°   | 1701.0  | 6.6       |
| 30°-40°   | 2735.4  | 10.6      |
| 40°-50°   | 4270.7  | 16.5      |
| 50°-60°   | 5704.6  | 22.0      |
| 60°-70°   | 6080.2  | 23.5      |
| 70°-80°   | 3742.9  | 14.5      |
| 80°-90°   | 328.0   | 1.3       |
| 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°    | 25902.0 | 100.0     |
| 0°-180°   | 25902.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952009

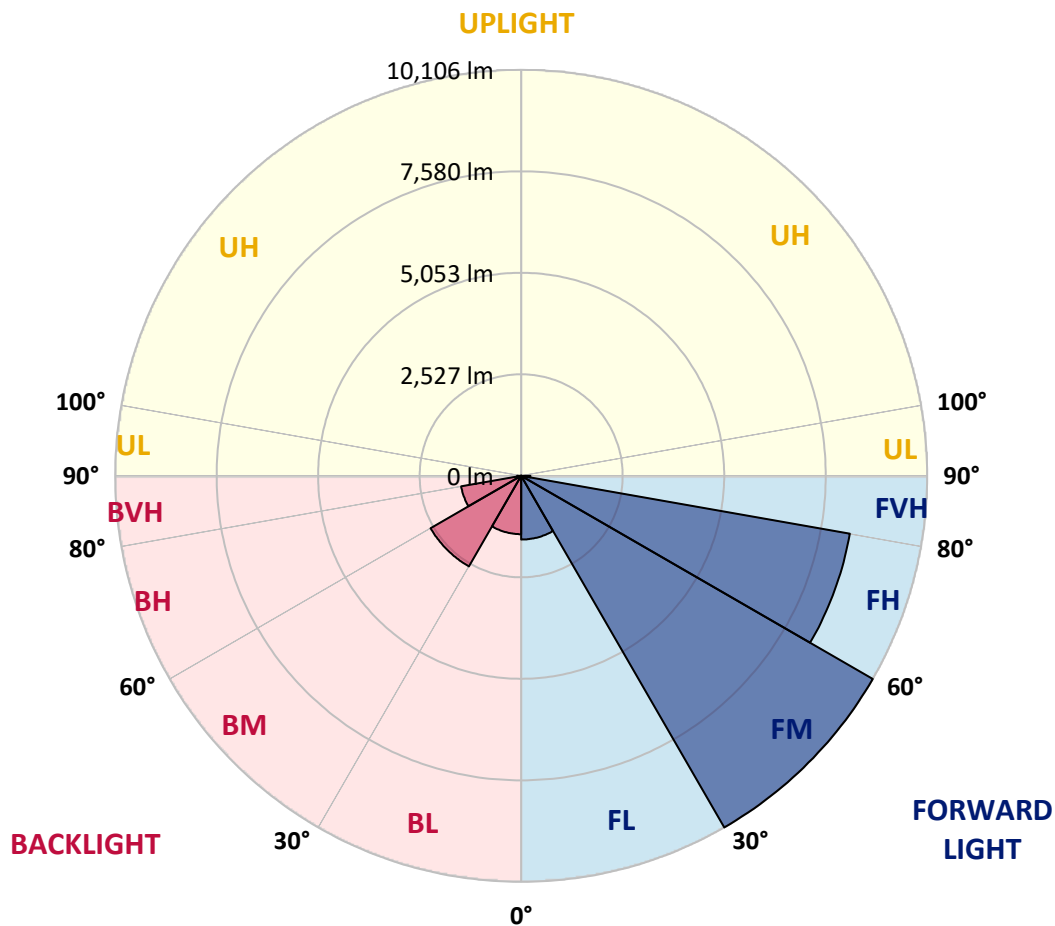
CATALOG NUMBER: GLAN-SB6A-727-U-T3R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1586.9  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 10106.4 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 8307.2  | 32.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 229.3   | 0.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1453.4  | 5.6       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2604.2  | 10.1      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1515.9  | 5.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 98.6    | 0.4       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

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

Type III Medium



REPORT NUMBER: P952009

CATALOG NUMBER: GLAN-SB6A-727-U-T3R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3613.6  | 3613.6  | 3613.6  | 3613.6  | 3613.6  | 3613.6  | 3613.6  | 3613.6  | 3613.6  | 3613.6  |
| 2.5°  | 3331.0  | 3329.7  | 3346.9  | 3352.2  | 3384.1  | 3406.6  | 3449.1  | 3494.2  | 3552.5  | 3559.2  |
| 5°    | 3138.7  | 3138.7  | 3158.6  | 3179.8  | 3220.9  | 3266.0  | 3331.0  | 3409.3  | 3510.1  | 3526.0  |
| 7.5°  | 2975.5  | 2986.1  | 3003.3  | 3044.5  | 3092.2  | 3157.2  | 3256.7  | 3368.2  | 3500.8  | 3526.0  |
| 10°   | 2844.2  | 2856.1  | 2877.3  | 2910.5  | 2982.1  | 3072.3  | 3202.3  | 3345.6  | 3523.4  | 3563.2  |
| 12.5° | 2803.0  | 2815.0  | 2826.9  | 2852.1  | 2918.4  | 3024.6  | 3179.8  | 3356.2  | 3577.7  | 3617.5  |
| 15°   | 2898.5  | 2913.1  | 2903.9  | 2897.2  | 2931.7  | 3028.5  | 3190.4  | 3394.7  | 3645.4  | 3702.4  |
| 17.5° | 3118.8  | 3124.1  | 3102.8  | 3040.5  | 3035.2  | 3086.9  | 3240.8  | 3447.7  | 3730.3  | 3792.7  |
| 20°   | 3474.3  | 3465.0  | 3421.2  | 3297.8  | 3227.5  | 3216.9  | 3327.0  | 3527.3  | 3817.9  | 3884.2  |
| 22.5° | 3957.1  | 3946.5  | 3859.0  | 3664.0  | 3507.4  | 3404.0  | 3451.7  | 3630.8  | 3916.0  | 3990.3  |
| 25°   | 4559.4  | 4544.8  | 4416.1  | 4150.8  | 3908.1  | 3652.0  | 3621.5  | 3767.4  | 4036.7  | 4105.7  |
| 27.5° | 5262.5  | 5250.5  | 5111.3  | 4761.0  | 4410.8  | 3991.6  | 3832.4  | 3928.0  | 4162.8  | 4241.0  |
| 30°   | 6018.6  | 6053.1  | 5806.4  | 5429.6  | 4986.6  | 4434.7  | 4116.3  | 4125.6  | 4325.9  | 4396.2  |
| 32.5° | 6907.4  | 6967.1  | 6670.0  | 6192.4  | 5587.5  | 4916.3  | 4474.5  | 4401.5  | 4563.4  | 4621.8  |
| 35°   | 7788.3  | 7855.9  | 7609.2  | 7081.2  | 6384.8  | 5484.0  | 4848.6  | 4718.6  | 4879.1  | 4942.8  |
| 37.5° | 8549.7  | 8639.9  | 8512.6  | 8053.6  | 7237.7  | 6168.5  | 5336.8  | 5091.4  | 5267.8  | 5347.4  |
| 40°   | 9150.7  | 9288.6  | 9279.3  | 8992.8  | 8243.3  | 6999.0  | 5956.3  | 5551.7  | 5750.7  | 5836.9  |
| 42.5° | 9638.8  | 9758.2  | 9861.7  | 9847.1  | 9292.6  | 7942.1  | 6684.6  | 6150.0  | 6301.2  | 6400.7  |
| 45°   | 9975.8  | 10103.1 | 10326.0 | 10566.1 | 10302.1 | 8951.7  | 7519.0  | 6859.7  | 6997.6  | 7147.5  |
| 47.5° | 10276.9 | 10421.5 | 10710.7 | 11091.4 | 11159.1 | 9965.2  | 8433.0  | 7686.1  | 7812.1  | 7967.4  |
| 50°   | 10303.4 | 10428.1 | 10876.5 | 11416.4 | 11768.0 | 10938.9 | 9414.6  | 8613.4  | 8731.5  | 8897.3  |
| 52.5° | 9662.7  | 9859.0  | 10641.7 | 11407.1 | 12047.9 | 11753.4 | 10389.7 | 9577.8  | 9710.5  | 9909.4  |
| 55°   | 7500.4  | 7788.3  | 9953.2  | 11051.6 | 11948.4 | 12280.0 | 11316.9 | 10603.2 | 10773.0 | 10981.3 |
| 57.5° | 6460.4  | 6586.4  | 7901.0  | 10404.3 | 11494.7 | 12416.7 | 12099.6 | 11639.3 | 11912.6 | 12140.7 |
| 60°   | 5806.4  | 5911.2  | 6688.5  | 9397.4  | 10897.7 | 12200.4 | 12704.5 | 12605.0 | 13077.3 | 13349.2 |
| 62.5° | 5106.0  | 5205.4  | 5912.5  | 7846.6  | 10133.6 | 11840.9 | 13086.6 | 13496.5 | 14271.2 | 14568.3 |
| 65°   | 4410.8  | 4495.7  | 5173.6  | 6593.0  | 9162.6  | 11481.4 | 13284.2 | 14267.2 | 15376.2 | 15684.0 |
| 67.5° | 3636.1  | 3706.4  | 4347.2  | 5562.3  | 7981.9  | 10989.3 | 13382.4 | 14873.5 | 16338.0 | 16602.0 |
| 70°   | 2623.9  | 2678.3  | 3340.3  | 4398.9  | 6500.2  | 10142.9 | 13342.6 | 15303.3 | 16836.8 | 17047.7 |
| 72.5° | 1240.3  | 1289.4  | 2066.8  | 2856.1  | 4591.2  | 8495.3  | 12537.4 | 14962.3 | 16330.0 | 16225.2 |
| 75°   | 662.0   | 704.4   | 1187.3  | 1566.7  | 2425.0  | 5823.6  | 10259.7 | 12888.9 | 13712.7 | 13203.3 |
| 77.5° | 448.4   | 481.5   | 734.9   | 940.5   | 1107.7  | 2764.6  | 6594.4  | 8923.8  | 8585.5  | 7744.5  |
| 80°   | 355.5   | 390.0   | 602.3   | 636.8   | 535.9   | 998.9   | 2724.8  | 4130.9  | 2967.5  | 2373.2  |
| 82.5° | 273.3   | 311.7   | 506.7   | 461.6   | 291.8   | 409.9   | 793.3   | 1306.7  | 760.1   | 578.4   |
| 85°   | 167.1   | 208.3   | 398.0   | 294.5   | 164.5   | 187.0   | 269.3   | 363.5   | 232.1   | 193.7   |
| 87.5° | 84.9    | 119.4   | 201.6   | 107.5   | 74.3    | 43.8    | 71.6    | 71.6    | 61.0    | 53.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P952009

CATALOG NUMBER: GLAN-SB6A-727-U-T3R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3613.6  | 0°    | 3613.6  | 3613.6 | 3613.6 | 3613.6 | 3613.6 | 3613.6 | 3613.6 | 3613.6 | 3613.6 | 3613.6 |
| 3595.0  | 2.5°  | 3626.8  | 3653.4 | 3698.5 | 3740.9 | 3774.1 | 3805.9 | 3837.8 | 3855.0 | 3860.3 | 3881.5 |
| 3614.9  | 5°    | 3669.3  | 3718.4 | 3805.9 | 3888.2 | 3939.9 | 3971.7 | 3994.3 | 4007.6 | 4010.2 | 4016.8 |
| 3669.3  | 7.5°  | 3747.5  | 3825.8 | 3947.9 | 4030.1 | 4068.6 | 4065.9 | 4056.6 | 4023.5 | 4010.2 | 3998.3 |
| 3748.9  | 10°   | 3857.7  | 3961.1 | 4111.0 | 4168.1 | 4144.2 | 4080.5 | 3998.3 | 3901.4 | 3856.3 | 3812.6 |
| 3857.7  | 12.5° | 3994.3  | 4125.6 | 4272.9 | 4270.2 | 4152.2 | 3989.0 | 3798.0 | 3649.4 | 3555.2 | 3487.5 |
| 3991.6  | 15°   | 4160.1  | 4311.3 | 4424.1 | 4333.9 | 4075.2 | 3782.0 | 3502.1 | 3308.5 | 3223.6 | 3149.3 |
| 4126.9  | 17.5° | 4331.2  | 4493.1 | 4544.8 | 4314.0 | 3881.5 | 3475.6 | 3158.6 | 3006.0 | 2922.4 | 2882.6 |
| 4272.9  | 20°   | 4498.4  | 4658.9 | 4616.4 | 4199.9 | 3587.0 | 3128.0 | 2845.5 | 2761.9 | 2744.7 | 2754.0 |
| 4414.8  | 22.5° | 4674.8  | 4818.1 | 4631.0 | 3979.7 | 3211.6 | 2772.5 | 2617.3 | 2620.0 | 2658.4 | 2686.3 |
| 4563.4  | 25°   | 4855.2  | 4952.1 | 4592.6 | 3661.3 | 2808.3 | 2511.2 | 2472.7 | 2515.2 | 2590.8 | 2645.2 |
| 4730.5  | 27.5° | 5029.0  | 5071.5 | 4509.0 | 3267.3 | 2462.1 | 2324.1 | 2330.8 | 2418.3 | 2532.4 | 2608.0 |
| 4933.5  | 30°   | 5225.3  | 5177.6 | 4348.5 | 2824.3 | 2222.0 | 2163.6 | 2219.3 | 2321.5 | 2435.6 | 2503.2 |
| 5189.5  | 32.5° | 5446.9  | 5269.1 | 4093.8 | 2414.3 | 2052.2 | 2035.0 | 2126.5 | 2192.8 | 2243.2 | 2263.1 |
| 5529.1  | 35°   | 5722.8  | 5397.8 | 3767.4 | 2126.5 | 1899.6 | 1940.8 | 2028.3 | 1995.2 | 1975.3 | 1964.6 |
| 5985.5  | 37.5° | 6081.0  | 5571.6 | 3385.4 | 1939.4 | 1776.3 | 1873.1 | 1908.9 | 1805.5 | 1727.2 | 1688.7 |
| 6538.6  | 40°   | 6512.1  | 5826.3 | 3017.9 | 1794.8 | 1698.0 | 1814.7 | 1752.4 | 1627.7 | 1528.2 | 1473.8 |
| 7160.8  | 42.5° | 6991.0  | 6092.9 | 2708.8 | 1686.1 | 1654.2 | 1767.0 | 1637.0 | 1488.4 | 1327.9 | 1310.6 |
| 7902.4  | 45°   | 7493.8  | 6367.5 | 2497.9 | 1602.5 | 1633.0 | 1725.9 | 1570.7 | 1330.5 | 1216.5 | 1286.8 |
| 8646.6  | 47.5° | 7996.5  | 6619.6 | 2370.6 | 1540.1 | 1622.4 | 1679.4 | 1512.3 | 1243.0 | 1162.1 | 1264.2 |
| 9443.8  | 50°   | 8556.3  | 6845.1 | 2313.5 | 1495.0 | 1610.5 | 1660.9 | 1424.7 | 1220.4 | 1105.0 | 1172.7 |
| 10268.9 | 52.5° | 9112.2  | 7020.2 | 2271.1 | 1449.9 | 1593.2 | 1646.3 | 1382.3 | 1193.9 | 1036.0 | 1040.0 |
| 11099.4 | 55°   | 9666.7  | 7134.3 | 2224.7 | 1390.2 | 1554.7 | 1614.4 | 1378.3 | 1164.7 | 984.3  | 965.7  |
| 11977.6 | 57.5° | 10258.3 | 7199.3 | 2167.6 | 1323.9 | 1488.4 | 1533.5 | 1374.3 | 1142.2 | 968.4  | 937.9  |
| 12875.6 | 60°   | 10860.6 | 7294.8 | 2093.3 | 1243.0 | 1399.5 | 1436.7 | 1365.0 | 1134.2 | 959.1  | 907.4  |
| 13722.0 | 62.5° | 11400.5 | 7327.9 | 2004.4 | 1166.1 | 1285.4 | 1341.2 | 1345.1 | 1127.6 | 933.9  | 845.0  |
| 14425.1 | 65°   | 11754.7 | 7184.7 | 1849.2 | 1078.5 | 1162.1 | 1243.0 | 1306.7 | 1105.0 | 888.8  | 799.9  |
| 14772.6 | 67.5° | 11740.1 | 6776.1 | 1606.5 | 965.7  | 1042.7 | 1134.2 | 1251.0 | 1066.6 | 834.4  | 744.2  |
| 14510.0 | 70°   | 11193.6 | 5969.5 | 1298.7 | 834.4  | 911.4  | 1017.5 | 1179.3 | 1009.5 | 769.4  | 683.2  |
| 12902.2 | 72.5° | 9600.4  | 4672.2 | 943.2  | 680.5  | 758.8  | 896.8  | 1086.5 | 940.5  | 703.1  | 628.8  |
| 9535.4  | 75°   | 6858.3  | 2956.9 | 639.4  | 522.7  | 590.3  | 760.1  | 971.0  | 859.6  | 642.1  | 631.4  |
| 4775.6  | 77.5° | 3503.5  | 1412.8 | 423.2  | 382.1  | 411.2  | 599.6  | 815.8  | 768.1  | 651.3  | 521.3  |
| 1358.4  | 80°   | 1139.5  | 521.3  | 266.6  | 260.0  | 273.3  | 399.3  | 631.4  | 630.1  | 493.5  | 354.2  |
| 329.0   | 82.5° | 363.5   | 224.2  | 173.8  | 167.1  | 160.5  | 250.7  | 440.4  | 498.8  | 333.0  | 224.2  |
| 118.1   | 85°   | 144.6   | 134.0  | 102.1  | 94.2   | 67.7   | 118.1  | 230.8  | 331.6  | 248.1  | 161.8  |
| 30.5    | 87.5° | 53.1    | 53.1   | 27.9   | 19.9   | 14.6   | 39.8   | 62.3   | 99.5   | 141.9  | 83.6   |
| 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°   |
|--------|
| 3613.6 |
| 3893.5 |
| 4027.5 |
| 4000.9 |
| 3799.3 |
| 3471.6 |
| 3141.3 |
| 2894.6 |
| 2750.0 |
| 2692.9 |
| 2659.8 |
| 2626.6 |
| 2519.1 |
| 2273.7 |
| 1975.3 |
| 1698.0 |
| 1477.8 |
| 1327.9 |
| 1323.9 |
| 1312.0 |
| 1223.1 |
| 1067.9 |
| 979.0  |
| 941.9  |
| 911.4  |
| 845.0  |
| 799.9  |
| 748.2  |
| 691.1  |
| 624.8  |
| 595.6  |
| 464.3  |
| 313.1  |
| 222.9  |
| 165.8  |
| 82.2   |
| 0.0    |

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