

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: P953542

Luminaire Tested: **GLAN-SB7A-760-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953542  
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-SB7A-760-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34648 lumens  
Efficiency: N/A  
Efficacy: 174.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 199.1  
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

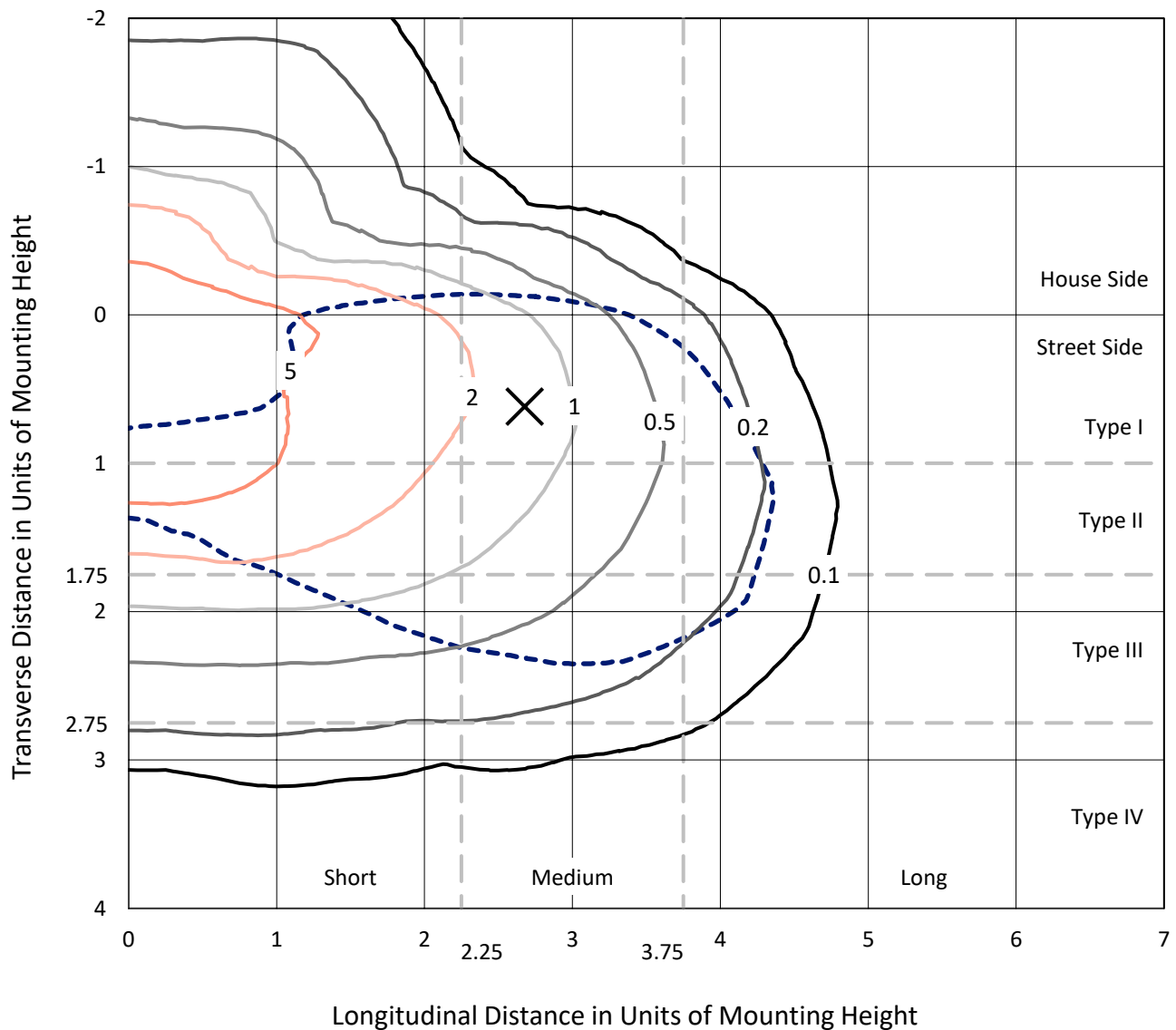


REPORT NUMBER: P953542

CATALOG NUMBER: GLAN-SB7A-760-U-T3R

## Iso-Footcandle Lines of Horizontal Illumination

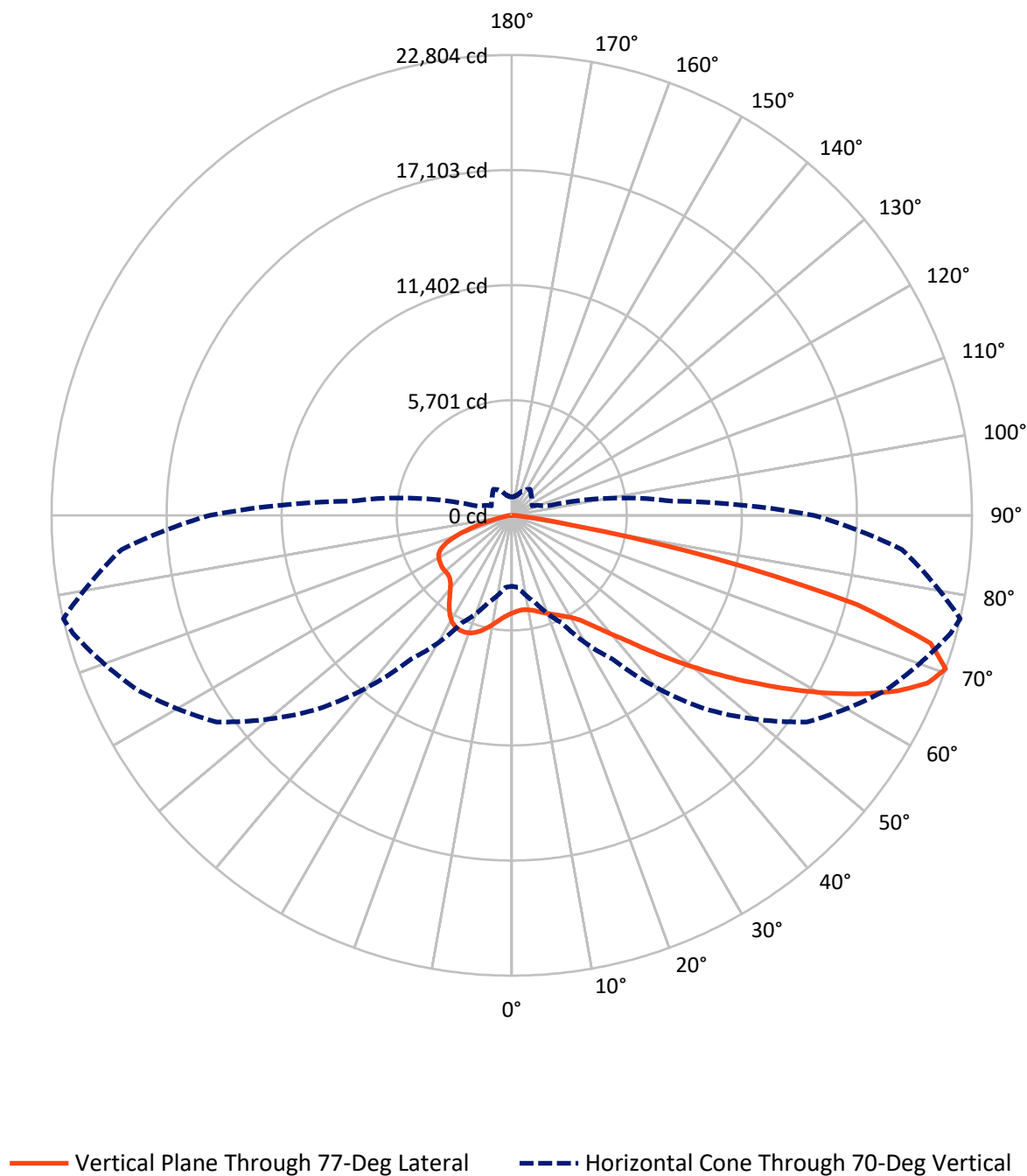
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
Type III - Medium - N/A

REPORT NUMBER: P953542  
CATALOG NUMBER: GLAN-SB7A-760-U-T3R

## Luminous Intensity Polar Plot



REPORT NUMBER: P953542

CATALOG NUMBER: GLAN-SB7A-760-U-T3R

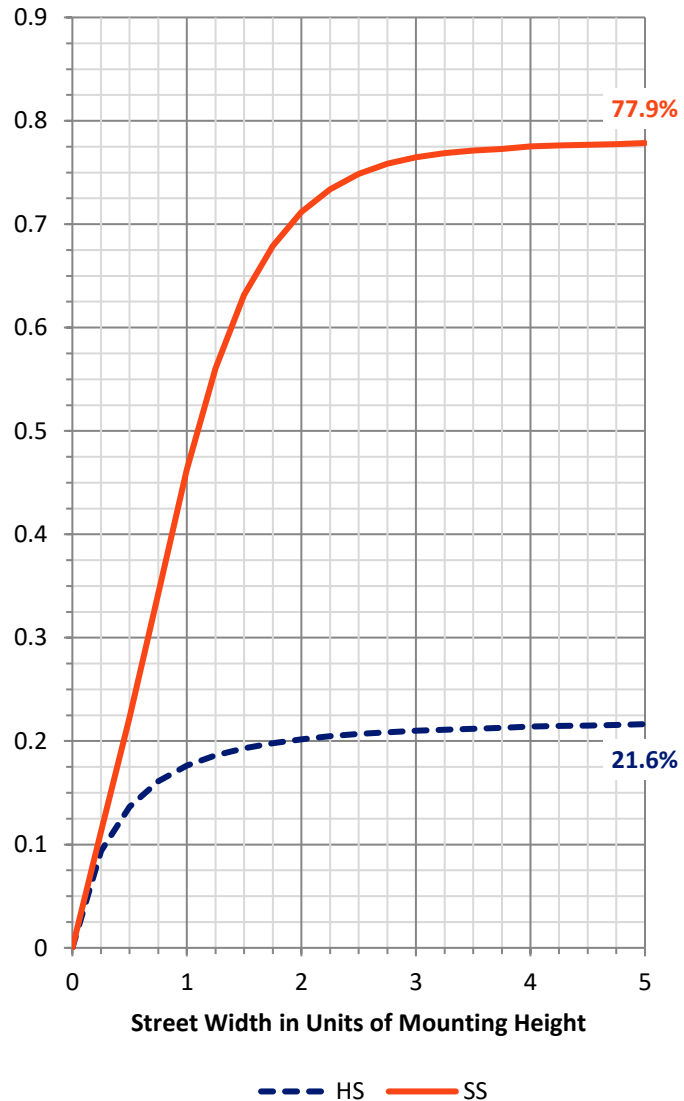
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7587.4   | 0.0    | 7587.4  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 27060.6  | 0.0    | 27060.6 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 34648.0  | 0.0    | 34648.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 461.0   | 1.3       |
| 10°-20°   | 1330.5  | 3.8       |
| 20°-30°   | 2275.4  | 6.6       |
| 30°-40°   | 3659.0  | 10.6      |
| 40°-50°   | 5712.7  | 16.5      |
| 50°-60°   | 7630.8  | 22.0      |
| 60°-70°   | 8133.2  | 23.5      |
| 70°-80°   | 5006.8  | 14.5      |
| 80°-90°   | 438.7   | 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°    | 34648.0 | 100.0     |
| 0°-180°   | 34648.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953542

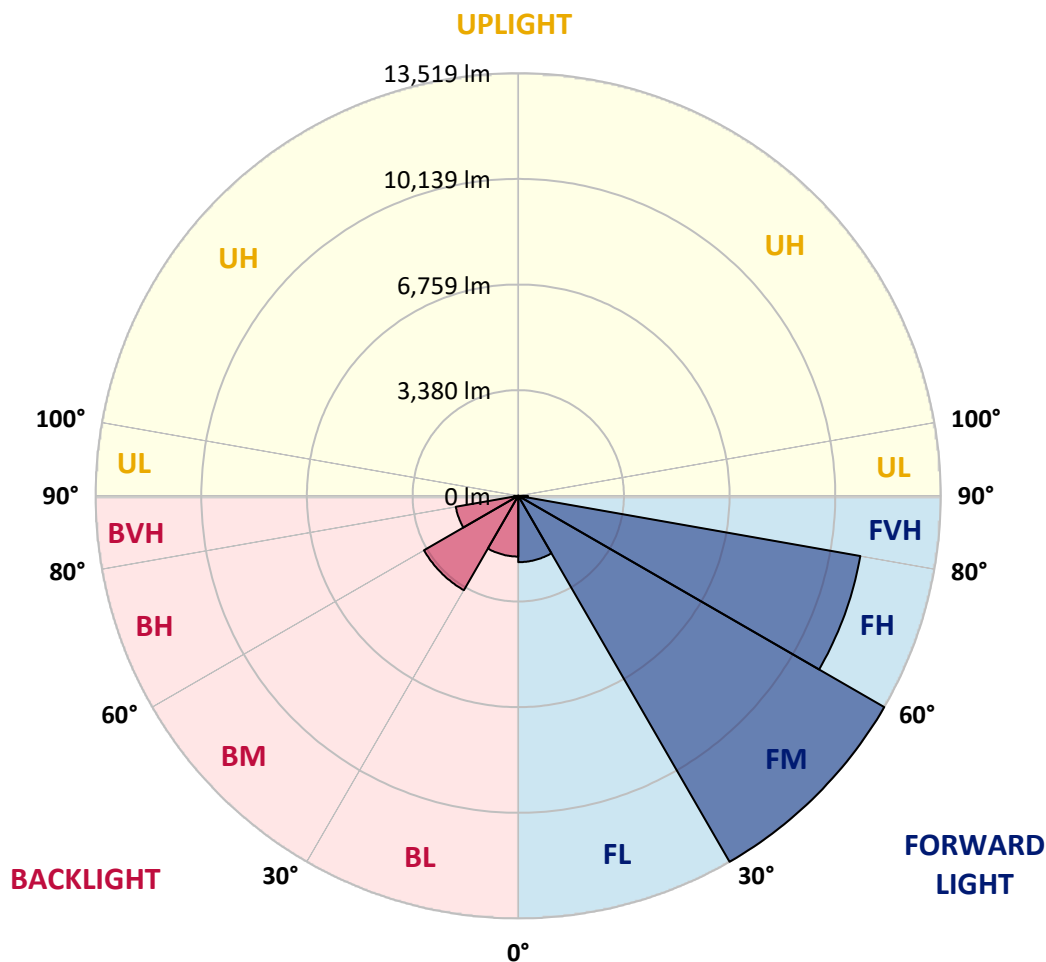
CATALOG NUMBER: GLAN-SB7A-760-U-T3R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2122.7  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 13518.9 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 11112.2 | 32.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 306.8   | 0.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1944.1  | 5.6       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3483.5  | 10.1      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2027.8  | 5.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 131.9   | 0.4       |                         |      | G2/225   |
| 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: P953542

CATALOG NUMBER: GLAN-SB7A-760-U-T3R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4833.7  | 4833.7  | 4833.7  | 4833.7  | 4833.7  | 4833.7  | 4833.7  | 4833.7  | 4833.7  | 4833.7  |
| 2.5°  | 4455.7  | 4454.0  | 4477.0  | 4484.1  | 4526.7  | 4556.9  | 4613.7  | 4674.0  | 4752.1  | 4761.0  |
| 5°    | 4198.4  | 4198.4  | 4225.1  | 4253.5  | 4308.5  | 4368.8  | 4455.7  | 4560.4  | 4695.3  | 4716.6  |
| 7.5°  | 3980.2  | 3994.4  | 4017.4  | 4072.5  | 4136.3  | 4223.3  | 4356.4  | 4505.4  | 4682.9  | 4716.6  |
| 10°   | 3804.5  | 3820.5  | 3848.9  | 3893.2  | 3989.1  | 4109.7  | 4283.6  | 4475.3  | 4713.0  | 4766.3  |
| 12.5° | 3749.5  | 3765.5  | 3781.4  | 3815.2  | 3903.9  | 4045.8  | 4253.5  | 4489.5  | 4785.8  | 4839.0  |
| 15°   | 3877.3  | 3896.8  | 3884.4  | 3875.5  | 3921.6  | 4051.2  | 4267.6  | 4540.9  | 4876.3  | 4952.6  |
| 17.5° | 4171.8  | 4178.9  | 4150.5  | 4067.1  | 4060.0  | 4129.2  | 4335.1  | 4611.9  | 4989.9  | 5073.3  |
| 20°   | 4647.4  | 4635.0  | 4576.4  | 4411.4  | 4317.3  | 4303.1  | 4450.4  | 4718.4  | 5107.0  | 5195.7  |
| 22.5° | 5293.3  | 5279.1  | 5162.0  | 4901.1  | 4691.8  | 4553.3  | 4617.2  | 4856.8  | 5238.3  | 5337.7  |
| 25°   | 6098.9  | 6079.4  | 5907.3  | 5552.4  | 5227.6  | 4885.2  | 4844.4  | 5039.6  | 5399.8  | 5492.0  |
| 27.5° | 7039.4  | 7023.4  | 6837.1  | 6368.6  | 5900.2  | 5339.4  | 5126.5  | 5254.3  | 5568.4  | 5673.0  |
| 30°   | 8050.9  | 8097.0  | 7766.9  | 7263.0  | 6670.3  | 5932.1  | 5506.2  | 5518.7  | 5786.6  | 5880.7  |
| 32.5° | 9239.8  | 9319.6  | 8922.1  | 8283.3  | 7474.2  | 6576.3  | 5985.4  | 5887.8  | 6104.2  | 6182.3  |
| 35°   | 10418.0 | 10508.5 | 10178.5 | 9472.2  | 8540.6  | 7335.7  | 6485.8  | 6311.9  | 6526.6  | 6611.8  |
| 37.5° | 11436.6 | 11557.3 | 11386.9 | 10772.9 | 9681.6  | 8251.4  | 7138.8  | 6810.5  | 7046.5  | 7153.0  |
| 40°   | 12240.4 | 12425.0 | 12412.6 | 12029.3 | 11026.7 | 9362.2  | 7967.5  | 7426.2  | 7692.4  | 7807.8  |
| 42.5° | 12893.4 | 13053.2 | 13191.6 | 13172.0 | 12430.3 | 10623.9 | 8941.7  | 8226.5  | 8428.8  | 8561.9  |
| 45°   | 13344.2 | 13514.5 | 13812.6 | 14133.8 | 13780.7 | 11974.3 | 10057.8 | 9175.9  | 9360.4  | 9561.0  |
| 47.5° | 13747.0 | 13940.4 | 14327.2 | 14836.5 | 14927.0 | 13330.0 | 11280.4 | 10281.4 | 10450.0 | 10657.6 |
| 50°   | 13782.5 | 13949.3 | 14549.0 | 15271.3 | 15741.5 | 14632.4 | 12593.6 | 11521.8 | 11679.7 | 11901.5 |
| 52.5° | 12925.4 | 13188.0 | 14235.0 | 15258.8 | 16115.9 | 15722.0 | 13897.8 | 12811.8 | 12989.3 | 13255.4 |
| 55°   | 10033.0 | 10418.0 | 13314.0 | 14783.3 | 15982.8 | 16426.5 | 15138.2 | 14183.5 | 14410.6 | 14689.2 |
| 57.5° | 8641.8  | 8810.3  | 10568.9 | 13917.3 | 15376.0 | 16609.2 | 16185.1 | 15569.4 | 15934.9 | 16240.1 |
| 60°   | 7766.9  | 7907.1  | 8947.0  | 12570.5 | 14577.4 | 16320.0 | 16994.3 | 16861.2 | 17492.9 | 17856.7 |
| 62.5° | 6830.0  | 6963.1  | 7908.9  | 10496.1 | 13555.3 | 15839.1 | 17505.3 | 18053.7 | 19090.0 | 19487.5 |
| 65°   | 5900.2  | 6013.7  | 6920.5  | 8819.2  | 12256.4 | 15358.2 | 17769.7 | 19084.6 | 20568.1 | 20979.8 |
| 67.5° | 4863.9  | 4957.9  | 5815.0  | 7440.4  | 10677.1 | 14699.9 | 17901.1 | 19895.6 | 21854.6 | 22207.7 |
| 70°   | 3509.9  | 3582.7  | 4468.2  | 5884.2  | 8695.0  | 13567.8 | 17847.8 | 20470.5 | 22521.8 | 22804.0 |
| 72.5° | 1659.1  | 1724.8  | 2764.7  | 3820.5  | 6141.5  | 11363.8 | 16770.7 | 20014.5 | 21844.0 | 21703.8 |
| 75°   | 885.5   | 942.3   | 1588.2  | 2095.7  | 3243.8  | 7790.0  | 13723.9 | 17240.9 | 18342.9 | 17661.5 |
| 77.5° | 599.8   | 644.1   | 983.1   | 1258.1  | 1481.7  | 3698.0  | 8821.0  | 11937.0 | 11484.5 | 10359.5 |
| 80°   | 475.6   | 521.7   | 805.6   | 851.8   | 716.9   | 1336.2  | 3644.8  | 5525.8  | 3969.5  | 3174.6  |
| 82.5° | 365.5   | 417.0   | 677.9   | 617.5   | 390.4   | 548.3   | 1061.1  | 1747.9  | 1016.8  | 773.7   |
| 85°   | 223.6   | 278.6   | 532.3   | 393.9   | 220.0   | 250.2   | 360.2   | 486.2   | 310.5   | 259.1   |
| 87.5° | 113.6   | 159.7   | 269.7   | 143.7   | 99.4    | 58.6    | 95.8    | 95.8    | 81.6    | 71.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953542

CATALOG NUMBER: GLAN-SB7A-760-U-T3R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4833.7  | 0°    | 4833.7  | 4833.7 | 4833.7 | 4833.7 | 4833.7 | 4833.7 | 4833.7 | 4833.7 | 4833.7 | 4833.7 |
| 4808.9  | 2.5°  | 4851.5  | 4886.9 | 4947.3 | 5004.1 | 5048.4 | 5091.0 | 5133.6 | 5156.7 | 5163.8 | 5192.2 |
| 4835.5  | 5°    | 4908.2  | 4973.9 | 5091.0 | 5201.0 | 5270.2 | 5312.8 | 5343.0 | 5360.7 | 5364.3 | 5373.2 |
| 4908.2  | 7.5°  | 5012.9  | 5117.6 | 5280.9 | 5390.9 | 5442.4 | 5438.8 | 5426.4 | 5382.0 | 5364.3 | 5348.3 |
| 5014.7  | 10°   | 5160.2  | 5298.6 | 5499.1 | 5575.4 | 5543.5 | 5458.3 | 5348.3 | 5218.8 | 5158.4 | 5099.9 |
| 5160.2  | 12.5° | 5343.0  | 5518.7 | 5715.6 | 5712.1 | 5554.2 | 5335.9 | 5080.4 | 4881.6 | 4755.6 | 4665.1 |
| 5339.4  | 15°   | 5564.8  | 5767.1 | 5917.9 | 5797.3 | 5451.2 | 5059.1 | 4684.7 | 4425.6 | 4312.0 | 4212.6 |
| 5520.4  | 17.5° | 5793.7  | 6010.2 | 6079.4 | 5770.6 | 5192.2 | 4649.2 | 4225.1 | 4021.0 | 3909.2 | 3856.0 |
| 5715.6  | 20°   | 6017.3  | 6232.0 | 6175.2 | 5618.0 | 4798.2 | 4184.2 | 3806.3 | 3694.5 | 3671.4 | 3683.8 |
| 5905.5  | 22.5° | 6253.3  | 6444.9 | 6194.7 | 5323.5 | 4296.0 | 3708.7 | 3501.1 | 3504.6 | 3556.1 | 3593.3 |
| 6104.2  | 25°   | 6494.6  | 6624.2 | 6143.3 | 4897.6 | 3756.6 | 3359.1 | 3307.7 | 3364.4 | 3465.6 | 3538.3 |
| 6327.8  | 27.5° | 6727.1  | 6783.9 | 6031.5 | 4370.6 | 3293.5 | 3108.9 | 3117.8 | 3234.9 | 3387.5 | 3488.6 |
| 6599.3  | 30°   | 6989.7  | 6925.8 | 5816.8 | 3777.9 | 2972.3 | 2894.2 | 2968.7 | 3105.4 | 3258.0 | 3348.5 |
| 6941.8  | 32.5° | 7286.1  | 7048.3 | 5476.1 | 3229.6 | 2745.1 | 2722.1 | 2844.5 | 2933.2 | 3000.7 | 3027.3 |
| 7396.1  | 35°   | 7655.2  | 7220.4 | 5039.6 | 2844.5 | 2541.1 | 2596.1 | 2713.2 | 2668.8 | 2642.2 | 2628.0 |
| 8006.5  | 37.5° | 8134.3  | 7452.9 | 4528.5 | 2594.3 | 2376.0 | 2505.6 | 2553.5 | 2415.1 | 2310.4 | 2258.9 |
| 8746.5  | 40°   | 8711.0  | 7793.6 | 4037.0 | 2400.9 | 2271.3 | 2427.5 | 2344.1 | 2177.3 | 2044.2 | 1971.5 |
| 9578.7  | 42.5° | 9351.6  | 8150.2 | 3623.5 | 2255.4 | 2212.8 | 2363.6 | 2189.7 | 1991.0 | 1776.3 | 1753.2 |
| 10570.6 | 45°   | 10024.1 | 8517.6 | 3341.4 | 2143.6 | 2184.4 | 2308.6 | 2101.0 | 1779.8 | 1627.2 | 1721.3 |
| 11566.1 | 47.5° | 10696.6 | 8854.7 | 3171.0 | 2060.2 | 2170.2 | 2246.5 | 2022.9 | 1662.7 | 1554.5 | 1691.1 |
| 12632.6 | 50°   | 11445.5 | 9156.4 | 3094.7 | 1999.9 | 2154.2 | 2221.7 | 1905.8 | 1632.5 | 1478.2 | 1568.6 |
| 13736.3 | 52.5° | 12189.0 | 9390.6 | 3037.9 | 1939.5 | 2131.2 | 2202.1 | 1849.0 | 1597.0 | 1385.9 | 1391.2 |
| 14847.2 | 55°   | 12930.7 | 9543.2 | 2975.8 | 1859.7 | 2079.7 | 2159.6 | 1843.7 | 1558.0 | 1316.7 | 1291.8 |
| 16021.9 | 57.5° | 13722.1 | 9630.2 | 2899.5 | 1770.9 | 1991.0 | 2051.3 | 1838.4 | 1527.8 | 1295.4 | 1254.6 |
| 17223.2 | 60°   | 14527.8 | 9757.9 | 2800.1 | 1662.7 | 1872.1 | 1921.8 | 1826.0 | 1517.2 | 1283.0 | 1213.8 |
| 18355.3 | 62.5° | 15250.0 | 9802.3 | 2681.3 | 1559.8 | 1719.5 | 1794.0 | 1799.3 | 1508.3 | 1249.2 | 1130.4 |
| 19295.8 | 65°   | 15723.8 | 9610.6 | 2473.6 | 1442.7 | 1554.5 | 1662.7 | 1747.9 | 1478.2 | 1188.9 | 1070.0 |
| 19760.7 | 67.5° | 15704.2 | 9064.1 | 2148.9 | 1291.8 | 1394.7 | 1517.2 | 1673.3 | 1426.7 | 1116.2 | 995.5  |
| 19409.4 | 70°   | 14973.2 | 7985.2 | 1737.2 | 1116.2 | 1219.1 | 1361.0 | 1577.5 | 1350.4 | 1029.2 | 913.9  |
| 17258.7 | 72.5° | 12842.0 | 6249.8 | 1261.7 | 910.3  | 1015.0 | 1199.6 | 1453.3 | 1258.1 | 940.5  | 841.1  |
| 12755.0 | 75°   | 9174.1  | 3955.3 | 855.3  | 699.1  | 789.6  | 1016.8 | 1298.9 | 1149.9 | 858.9  | 844.7  |
| 6388.2  | 77.5° | 4686.4  | 1889.8 | 566.1  | 511.1  | 550.1  | 802.1  | 1091.3 | 1027.4 | 871.3  | 697.4  |
| 1817.1  | 80°   | 1524.3  | 697.4  | 356.7  | 347.8  | 365.5  | 534.1  | 844.7  | 842.9  | 660.1  | 473.8  |
| 440.1   | 82.5° | 486.2   | 299.9  | 232.5  | 223.6  | 214.7  | 335.4  | 589.1  | 667.2  | 445.4  | 299.9  |
| 157.9   | 85°   | 193.4   | 179.2  | 136.6  | 126.0  | 90.5   | 157.9  | 308.8  | 443.6  | 331.8  | 216.5  |
| 40.8    | 87.5° | 71.0    | 71.0   | 37.3   | 26.6   | 19.5   | 53.2   | 83.4   | 133.1  | 189.9  | 111.8  |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| 180°   |
|--------|
| 4833.7 |
| 5208.1 |
| 5387.4 |
| 5351.9 |
| 5082.1 |
| 4643.8 |
| 4202.0 |
| 3871.9 |
| 3678.5 |
| 3602.2 |
| 3557.9 |
| 3513.5 |
| 3369.8 |
| 3041.5 |
| 2642.2 |
| 2271.3 |
| 1976.8 |
| 1776.3 |
| 1770.9 |
| 1755.0 |
| 1636.1 |
| 1428.5 |
| 1309.6 |
| 1259.9 |
| 1219.1 |
| 1130.4 |
| 1070.0 |
| 1000.8 |
| 924.5  |
| 835.8  |
| 796.7  |
| 621.1  |
| 418.8  |
| 298.1  |
| 221.8  |
| 110.0  |
| 0.0    |