

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: P955890

Luminaire Tested: **GLAN-SB8C-950-U-T2R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955890  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-950-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 42909 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 399.8  
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

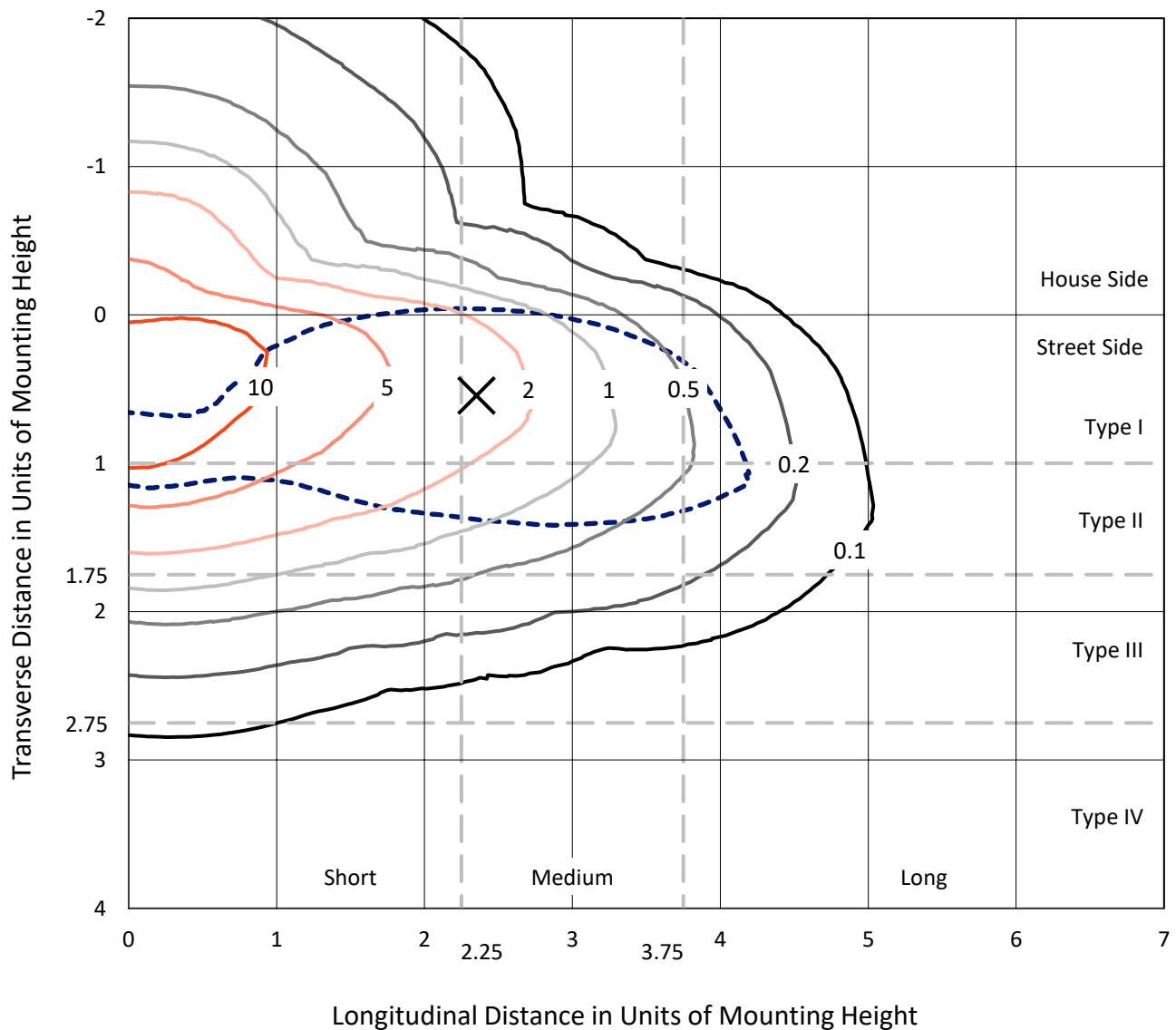


REPORT NUMBER: P955890

CATALOG NUMBER: GLAN-SB8C-950-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

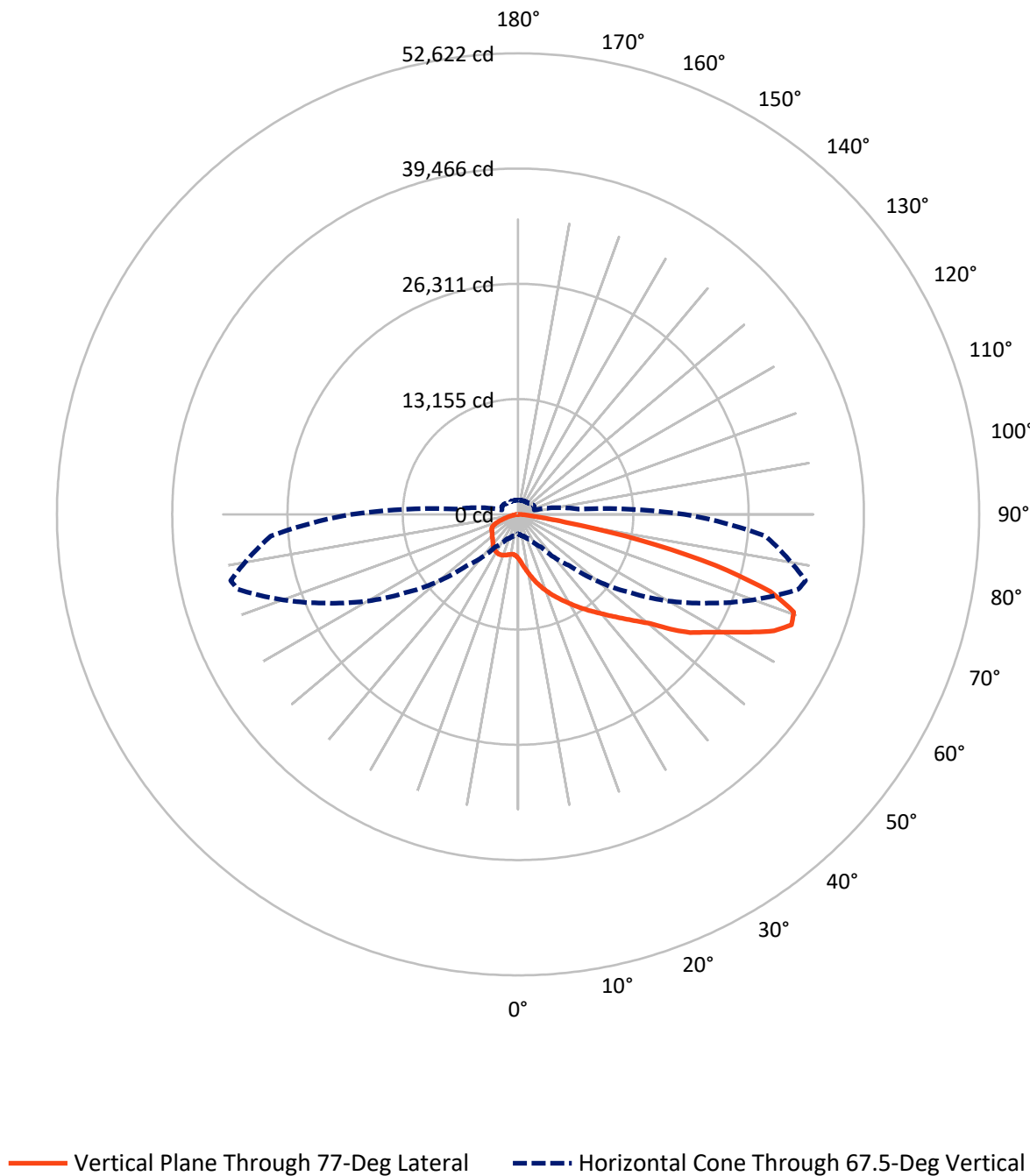
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc  
Type II - Medium - N/A

REPORT NUMBER: P955890  
CATALOG NUMBER: GLAN-SB8C-950-U-T2R

## Luminous Intensity Polar Plot



REPORT NUMBER: P955890

CATALOG NUMBER: GLAN-SB8C-950-U-T2R

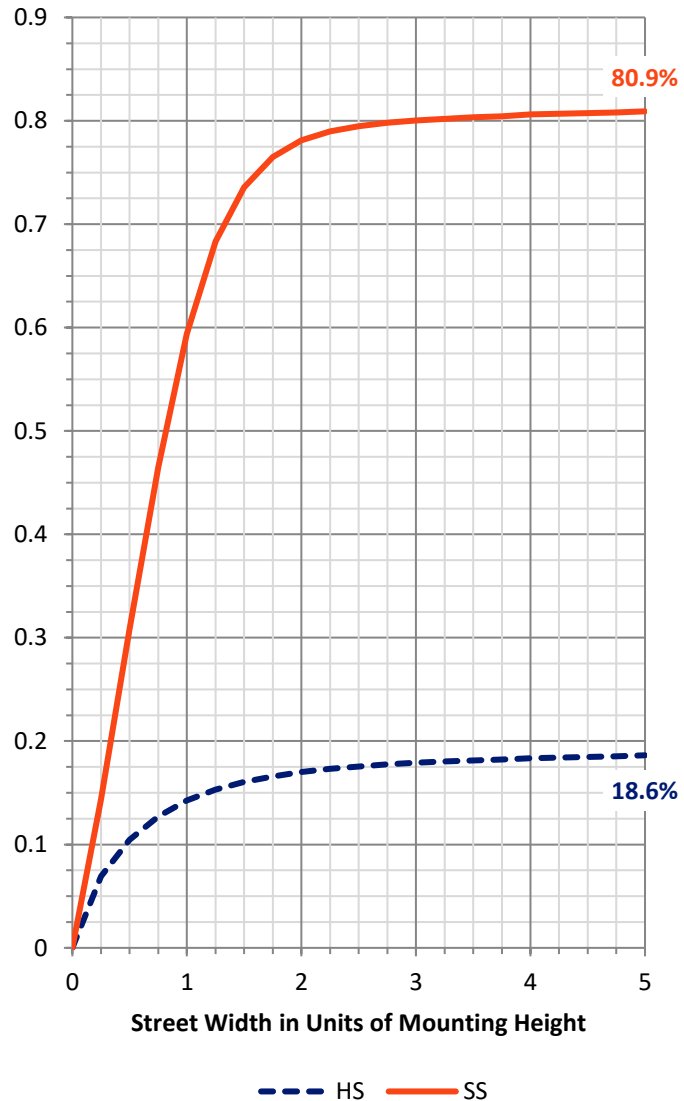
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8116.7   | 0.0    | 8116.7  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 34792.3  | 0.0    | 34792.3 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 42909.0  | 0.0    | 42909.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 539.6   | 1.3       |
| 10°-20°   | 1938.7  | 4.5       |
| 20°-30°   | 3660.4  | 8.5       |
| 30°-40°   | 5896.9  | 13.7      |
| 40°-50°   | 8065.9  | 18.8      |
| 50°-60°   | 9098.4  | 21.2      |
| 60°-70°   | 8492.2  | 19.8      |
| 70°-80°   | 4655.2  | 10.8      |
| 80°-90°   | 561.5   | 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°    | 42909.0 | 100.0     |
| 0°-180°   | 42909.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955890

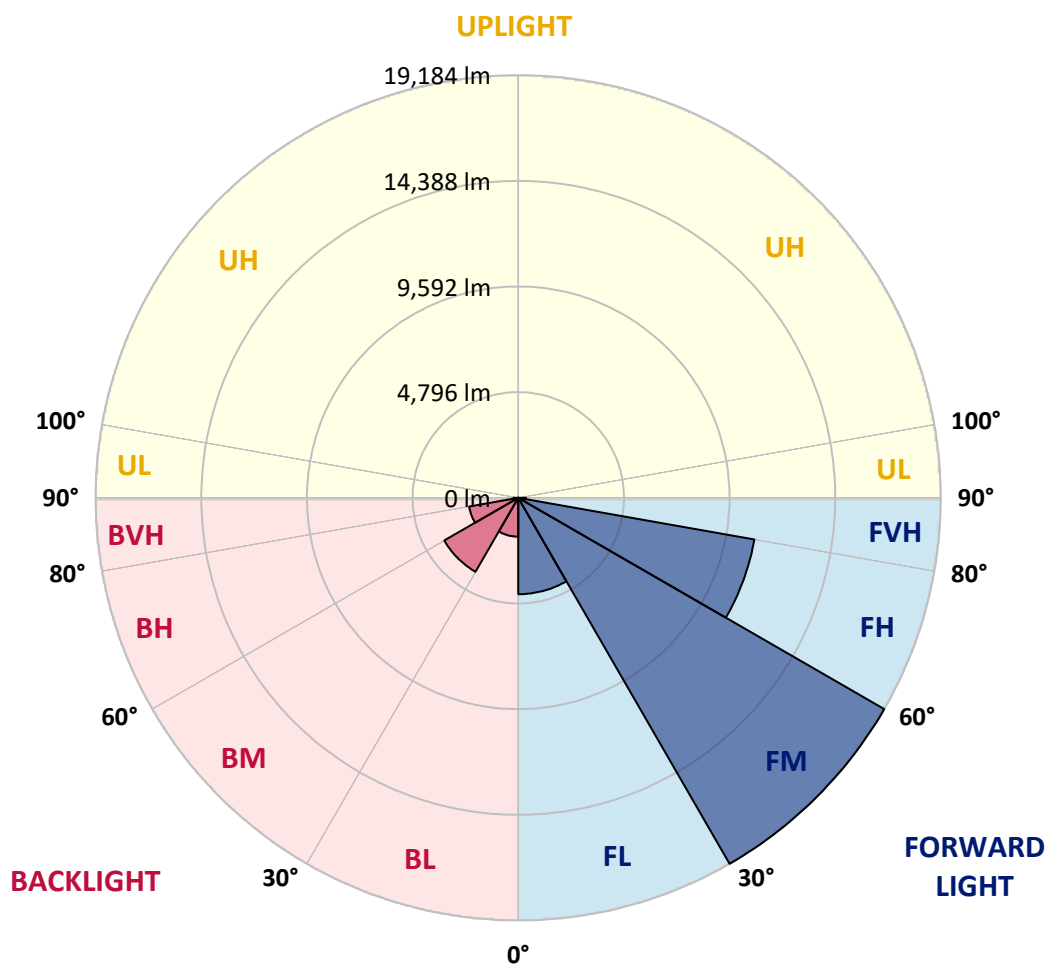
CATALOG NUMBER: GLAN-SB8C-950-U-T2R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 4374.0  | 10.2      |                         |      |          |
| FM   | (30°-60°)   | 19184.1 | 44.7      |                         |      |          |
| FH   | (60°-80°)   | 10883.0 | 25.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 351.2   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1764.8  | 4.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3877.1  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2264.4  | 5.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 210.4   | 0.5       |                         |      | 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 II Medium



REPORT NUMBER: P955890

CATALOG NUMBER: GLAN-SB8C-950-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5034.6  | 5034.6  | 5034.6  | 5034.6  | 5034.6  | 5034.6  | 5034.6  | 5034.6  | 5034.6  | 5034.6  |
| 2.5°  | 6303.7  | 6348.0  | 6292.6  | 6292.6  | 6106.6  | 6009.1  | 5823.1  | 5681.3  | 5426.6  | 5382.3  |
| 5°    | 7451.1  | 7506.4  | 7428.9  | 7395.7  | 7176.4  | 6974.8  | 6662.5  | 6354.7  | 5900.6  | 5854.1  |
| 7.5°  | 8339.2  | 8410.1  | 8341.5  | 8306.0  | 8111.1  | 7885.2  | 7519.7  | 7090.0  | 6449.9  | 6359.1  |
| 10°   | 9063.5  | 9074.6  | 9052.5  | 9065.7  | 8912.9  | 8726.9  | 8352.5  | 7852.0  | 7052.4  | 6928.3  |
| 12.5° | 9473.3  | 9524.2  | 9568.5  | 9648.3  | 9621.7  | 9506.5  | 9169.9  | 8571.8  | 7690.3  | 7530.8  |
| 15°   | 9666.0  | 9754.6  | 9854.3  | 10038.1 | 10186.5 | 10215.3 | 9958.4  | 9344.8  | 8339.2  | 8146.5  |
| 17.5° | 9734.7  | 9818.8  | 9976.1  | 10241.9 | 10560.8 | 10775.7 | 10660.5 | 10095.7 | 8981.6  | 8760.1  |
| 20°   | 10082.4 | 10106.8 | 10202.0 | 10454.5 | 10800.0 | 11156.7 | 11243.0 | 10817.8 | 9617.3  | 9367.0  |
| 22.5° | 10826.6 | 10777.9 | 10804.5 | 10919.7 | 11167.7 | 11513.3 | 11710.4 | 11455.7 | 10270.7 | 9982.7  |
| 25°   | 12055.9 | 11914.2 | 11772.4 | 11639.5 | 11765.8 | 11960.7 | 12184.4 | 12093.6 | 10955.1 | 10589.6 |
| 27.5° | 13608.6 | 13435.8 | 13123.5 | 12687.2 | 12534.3 | 12603.0 | 12702.7 | 12685.0 | 11588.6 | 11218.7 |
| 30°   | 15136.9 | 14935.3 | 14563.2 | 13932.0 | 13528.9 | 13347.2 | 13271.9 | 13221.0 | 12277.4 | 11883.2 |
| 32.5° | 16357.3 | 16197.9 | 15832.4 | 15125.8 | 14541.1 | 14231.0 | 13980.7 | 13799.1 | 12997.3 | 12603.0 |
| 35°   | 17424.9 | 17276.5 | 16857.9 | 16087.1 | 15451.4 | 15121.4 | 14793.6 | 14406.0 | 13745.9 | 13347.2 |
| 37.5° | 18399.5 | 18251.1 | 17677.4 | 16875.6 | 16235.5 | 16007.4 | 15715.0 | 15057.2 | 14496.8 | 14120.2 |
| 40°   | 19015.3 | 18982.0 | 18446.0 | 17537.9 | 16873.4 | 16760.5 | 16663.0 | 15812.5 | 15329.6 | 14979.6 |
| 42.5° | 19172.5 | 19245.6 | 18820.3 | 18073.9 | 17440.4 | 17349.6 | 17577.8 | 16667.4 | 16264.3 | 15929.8 |
| 45°   | 18793.8 | 19004.2 | 18725.1 | 18217.9 | 17843.6 | 17794.8 | 18388.4 | 17602.1 | 17298.7 | 16993.0 |
| 47.5° | 17834.7 | 18191.3 | 18076.1 | 18005.2 | 17952.1 | 18162.5 | 19101.6 | 18594.4 | 18470.4 | 18204.6 |
| 50°   | 15898.8 | 16574.4 | 16776.0 | 17223.4 | 17737.2 | 18448.2 | 19750.6 | 19677.5 | 19839.2 | 19571.2 |
| 52.5° | 12552.1 | 13482.3 | 14651.8 | 15772.6 | 17077.2 | 18353.0 | 20463.8 | 21232.4 | 21914.6 | 21768.4 |
| 55°   | 10361.5 | 10780.1 | 11679.4 | 13734.8 | 15797.0 | 17952.1 | 20785.0 | 22488.3 | 23974.5 | 23843.8 |
| 57.5° | 8678.1  | 9052.5  | 9606.2  | 11322.8 | 13861.1 | 17041.7 | 20984.3 | 23254.7 | 25385.4 | 25372.1 |
| 60°   | 6873.0  | 7269.4  | 7836.5  | 9052.5  | 11599.6 | 15469.1 | 20940.0 | 24127.3 | 27186.2 | 27296.9 |
| 62.5° | 4835.2  | 5271.6  | 5900.6  | 7034.6  | 9289.5  | 13431.4 | 20036.3 | 24758.6 | 29305.9 | 29607.1 |
| 65°   | 3178.4  | 3466.4  | 3940.4  | 4919.4  | 6921.7  | 10811.1 | 18310.9 | 24840.6 | 31574.0 | 32083.4 |
| 67.5° | 2228.2  | 2339.0  | 2618.1  | 3149.6  | 4562.8  | 8290.5  | 15562.2 | 23992.2 | 33086.8 | 33660.4 |
| 70°   | 1738.7  | 1794.1  | 1935.9  | 2148.5  | 2866.1  | 5575.0  | 11925.2 | 21786.2 | 32763.4 | 33361.4 |
| 72.5° | 1501.7  | 1554.9  | 1608.0  | 1634.6  | 1922.6  | 3442.0  | 8077.9  | 18215.7 | 29717.9 | 30123.2 |
| 75°   | 1362.2  | 1375.5  | 1419.8  | 1410.9  | 1466.3  | 2232.7  | 4662.4  | 13271.9 | 23447.4 | 23307.8 |
| 77.5° | 1145.1  | 1162.8  | 1235.9  | 1224.9  | 1302.4  | 1526.1  | 2420.9  | 8565.2  | 15201.1 | 14253.1 |
| 80°   | 970.1   | 979.0   | 1058.7  | 1045.5  | 1131.8  | 1105.3  | 1235.9  | 4365.6  | 6447.7  | 5462.0  |
| 82.5° | 336.7   | 416.4   | 808.5   | 832.8   | 863.8   | 668.9   | 713.2   | 1780.8  | 1969.1  | 1508.4  |
| 85°   | 163.9   | 175.0   | 412.0   | 584.7   | 582.5   | 336.7   | 347.7   | 635.7   | 620.2   | 487.3   |
| 87.5° | 26.6    | 33.2    | 48.7    | 228.1   | 181.6   | 88.6    | 119.6   | 124.0   | 128.5   | 110.7   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955890

CATALOG NUMBER: GLAN-SB8C-950-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5034.6  | 0°    | 5034.6  | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 |
| 5214.0  | 2.5°  | 5089.9  | 4979.2 | 4746.6 | 4531.8 | 4363.4 | 4201.7 | 4110.9 | 4033.4 | 3989.1 | 3980.2 |
| 5457.6  | 5°    | 5227.3  | 4999.1 | 4576.1 | 4219.5 | 3986.9 | 3814.1 | 3723.3 | 3665.7 | 3636.9 | 3619.2 |
| 5785.4  | 7.5°  | 5424.4  | 5089.9 | 4487.5 | 4082.1 | 3838.5 | 3714.5 | 3667.9 | 3659.1 | 3656.9 | 3659.1 |
| 6181.9  | 10°   | 5696.8  | 5238.3 | 4478.6 | 4048.9 | 3845.1 | 3776.5 | 3774.3 | 3776.5 | 3785.3 | 3787.5 |
| 6613.8  | 12.5° | 5991.4  | 5391.2 | 4514.0 | 4077.7 | 3929.3 | 3891.6 | 3885.0 | 3882.8 | 3889.4 | 3893.9 |
| 7050.2  | 15°   | 6312.6  | 5592.7 | 4573.9 | 4139.7 | 4022.3 | 3982.5 | 3975.8 | 3962.5 | 3960.3 | 3958.1 |
| 7508.6  | 17.5° | 6642.6  | 5792.1 | 4640.3 | 4206.2 | 4082.1 | 4026.8 | 4002.4 | 3971.4 | 3947.0 | 3940.4 |
| 7982.6  | 20°   | 6977.1  | 5989.2 | 4686.8 | 4239.4 | 4086.6 | 4009.0 | 3960.3 | 3907.2 | 3865.1 | 3840.7 |
| 8461.1  | 22.5° | 7333.7  | 6195.2 | 4715.6 | 4230.5 | 4046.7 | 3940.4 | 3851.8 | 3789.8 | 3725.5 | 3683.4 |
| 8943.9  | 25°   | 7681.4  | 6374.6 | 4713.4 | 4184.0 | 3969.2 | 3834.1 | 3721.1 | 3641.4 | 3552.8 | 3508.5 |
| 9442.3  | 27.5° | 8015.9  | 6536.3 | 4658.0 | 4102.1 | 3858.4 | 3707.8 | 3572.7 | 3477.5 | 3391.1 | 3349.0 |
| 9945.1  | 30°   | 8361.4  | 6671.4 | 4571.6 | 3982.5 | 3727.7 | 3561.6 | 3413.2 | 3331.3 | 3253.7 | 3213.9 |
| 10476.7 | 32.5° | 8704.7  | 6795.4 | 4449.8 | 3834.1 | 3577.1 | 3417.7 | 3271.5 | 3196.2 | 3149.6 | 3149.6 |
| 11048.1 | 35°   | 9068.0  | 6881.8 | 4288.1 | 3661.3 | 3417.7 | 3264.8 | 3149.6 | 3105.3 | 3100.9 | 3074.3 |
| 11652.8 | 37.5° | 9451.1  | 6937.2 | 4091.0 | 3484.1 | 3260.4 | 3116.4 | 3081.0 | 3027.8 | 2983.5 | 2925.9 |
| 12317.3 | 40°   | 9854.3  | 6992.6 | 3854.0 | 3300.3 | 3094.3 | 3014.5 | 2999.0 | 2928.2 | 2801.9 | 2660.1 |
| 13070.4 | 42.5° | 10343.8 | 7030.2 | 3608.1 | 3116.4 | 2919.3 | 2892.7 | 2914.9 | 2793.0 | 2591.5 | 2485.2 |
| 13978.5 | 45°   | 10910.8 | 7092.2 | 3382.2 | 2934.8 | 2739.9 | 2739.9 | 2832.9 | 2673.4 | 2507.3 | 2440.9 |
| 15015.1 | 47.5° | 11646.2 | 7236.2 | 3171.8 | 2735.5 | 2573.8 | 2618.1 | 2651.3 | 2529.5 | 2436.4 | 2354.5 |
| 16277.6 | 50°   | 12709.3 | 7581.7 | 2954.7 | 2533.9 | 2447.5 | 2536.1 | 2489.6 | 2418.7 | 2310.2 | 2243.7 |
| 18284.3 | 52.5° | 14029.4 | 7785.5 | 2762.0 | 2352.3 | 2339.0 | 2427.6 | 2361.1 | 2294.7 | 2212.7 | 2124.1 |
| 19806.0 | 55°   | 14928.7 | 7823.2 | 2600.3 | 2219.4 | 2265.9 | 2257.0 | 2232.7 | 2172.9 | 2128.6 | 2011.2 |
| 21307.7 | 57.5° | 15934.3 | 7898.5 | 2467.4 | 2139.6 | 2219.4 | 2121.9 | 2113.1 | 2062.1 | 2004.5 | 1924.8 |
| 23139.5 | 60°   | 17137.0 | 8015.9 | 2352.3 | 2108.6 | 2179.5 | 2033.3 | 1989.0 | 1969.1 | 1911.5 | 1871.6 |
| 25343.3 | 62.5° | 18448.2 | 8122.2 | 2234.9 | 2113.1 | 2133.0 | 1946.9 | 1880.5 | 1873.8 | 1838.4 | 1825.1 |
| 27412.1 | 65°   | 19343.1 | 7832.0 | 2088.7 | 2108.6 | 2059.9 | 1858.3 | 1774.2 | 1772.0 | 1743.2 | 1738.7 |
| 28309.1 | 67.5° | 19030.8 | 6912.8 | 1891.6 | 2046.6 | 1984.6 | 1769.7 | 1676.7 | 1667.8 | 1630.2 | 1632.4 |
| 27372.2 | 70°   | 17467.0 | 5601.6 | 1619.1 | 1893.8 | 1891.6 | 1690.0 | 1574.8 | 1546.0 | 1495.1 | 1503.9 |
| 23799.5 | 72.5° | 14534.4 | 4150.8 | 1253.7 | 1639.1 | 1743.2 | 1616.9 | 1457.4 | 1410.9 | 1346.7 | 1355.5 |
| 17568.9 | 75°   | 10496.6 | 2821.8 | 912.6  | 1247.0 | 1517.2 | 1530.5 | 1342.3 | 1262.5 | 1185.0 | 1198.3 |
| 9779.0  | 77.5° | 5371.2  | 1599.2 | 671.1  | 859.4  | 1191.6 | 1391.0 | 1238.2 | 1131.8 | 1114.1 | 1238.2 |
| 2819.6  | 80°   | 1752.0  | 801.8  | 465.1  | 602.5  | 781.9  | 1138.5 | 1085.3 | 963.5  | 959.1  | 987.9  |
| 591.4   | 82.5° | 522.7   | 338.9  | 299.0  | 396.5  | 431.9  | 872.7  | 936.9  | 728.7  | 626.8  | 660.1  |
| 197.1   | 85°   | 179.4   | 163.9  | 170.6  | 197.1  | 206.0  | 511.7  | 655.6  | 482.9  | 456.3  | 502.8  |
| 44.3    | 87.5° | 42.1    | 57.6   | 48.7   | 44.3   | 44.3   | 124.0  | 254.7  | 201.6  | 279.1  | 186.1  |
| 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°   |
|--------|
| 5034.6 |
| 3980.2 |
| 3617.0 |
| 3665.7 |
| 3789.8 |
| 3896.1 |
| 3955.9 |
| 3947.0 |
| 3849.6 |
| 3685.7 |
| 3508.5 |
| 3346.8 |
| 3211.7 |
| 3151.9 |
| 3067.7 |
| 2917.1 |
| 2640.2 |
| 2487.4 |
| 2451.9 |
| 2352.3 |
| 2237.1 |
| 2106.4 |
| 2013.4 |
| 1898.2 |
| 1882.7 |
| 1825.1 |
| 1736.5 |
| 1632.4 |
| 1512.8 |
| 1353.3 |
| 1202.7 |
| 1220.4 |
| 848.3  |
| 682.2  |
| 496.1  |
| 179.4  |
| 0.0    |