

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: P944676

Luminaire Tested: **GLAN-SB9D-727-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-727-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 67425 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 658  
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



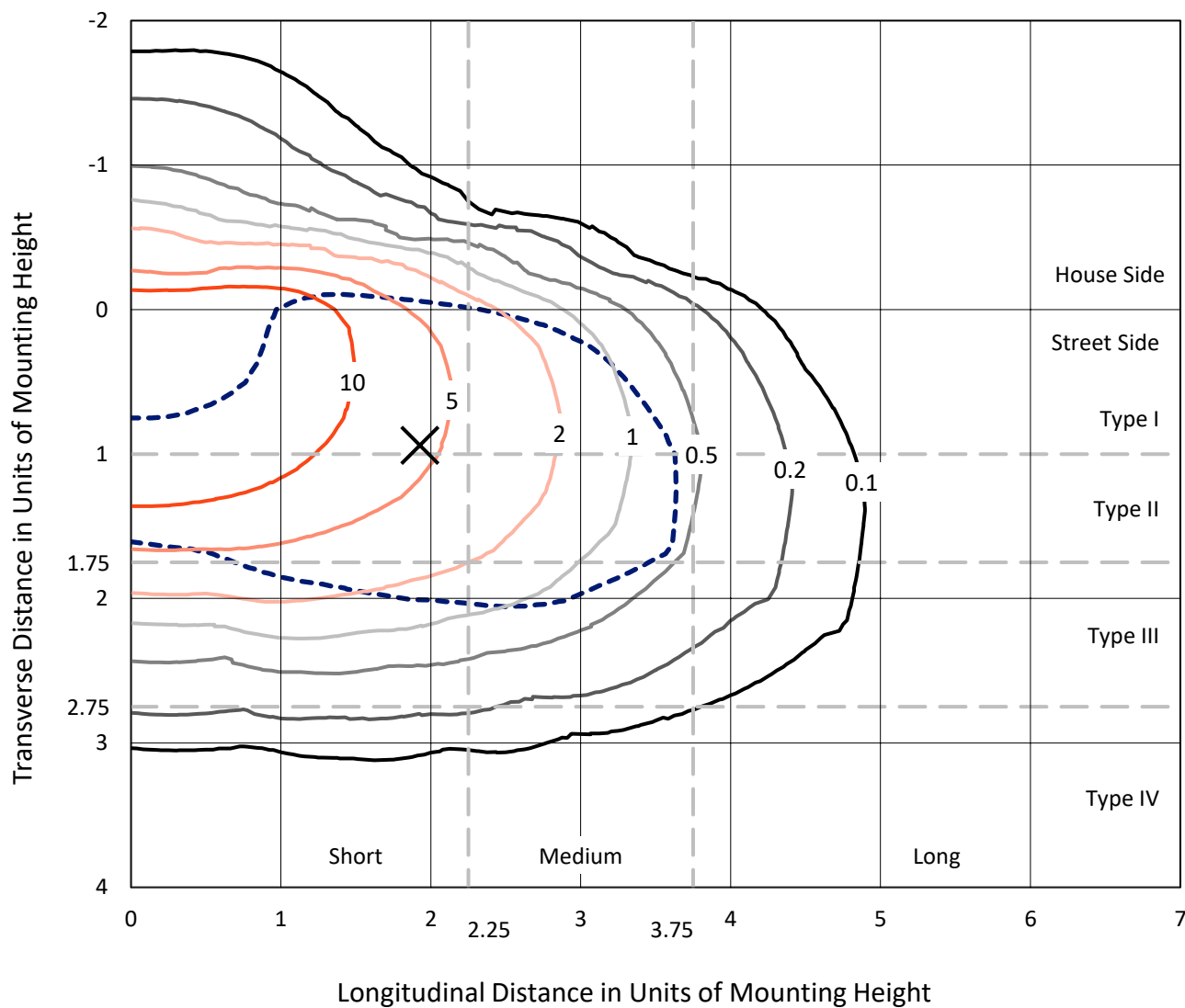
REPORT NUMBER: P944676

CATALOG NUMBER: GLAN-SB9D-727-U-T3-HSS

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

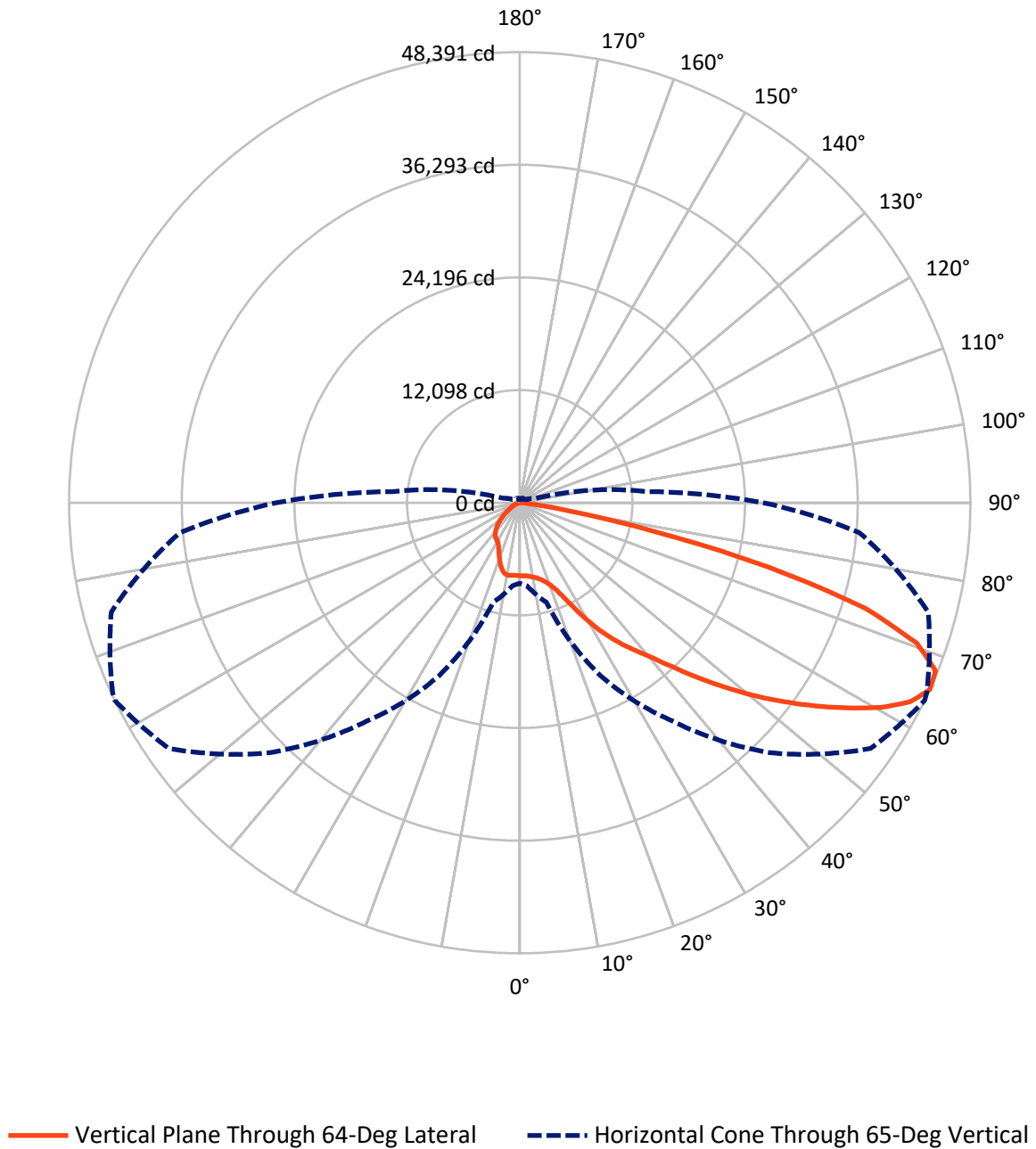


Based on 25 foot mounting height. Maximum calculated value = 19.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P944676

CATALOG NUMBER: GLAN-SB9D-727-U-T3-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P944676

CATALOG NUMBER: GLAN-SB9D-727-U-T3-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9016.8   | 0.0    | 9016.8  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 58408.2  | 0.0    | 58408.2 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 67425.0  | 0.0    | 67425.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 723.5   | 1.1       |
| 10°-20°   | 1962.4  | 2.9       |
| 20°-30°   | 3718.6  | 5.5       |
| 30°-40°   | 7524.7  | 11.2      |
| 40°-50°   | 12818.3 | 19.0      |
| 50°-60°   | 17432.0 | 25.9      |
| 60°-70°   | 16369.5 | 24.3      |
| 70°-80°   | 6558.3  | 9.7       |
| 80°-90°   | 317.7   | 0.5       |
| 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°    | 67425.0 | 100.0     |
| 0°-180°   | 67425.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P944676

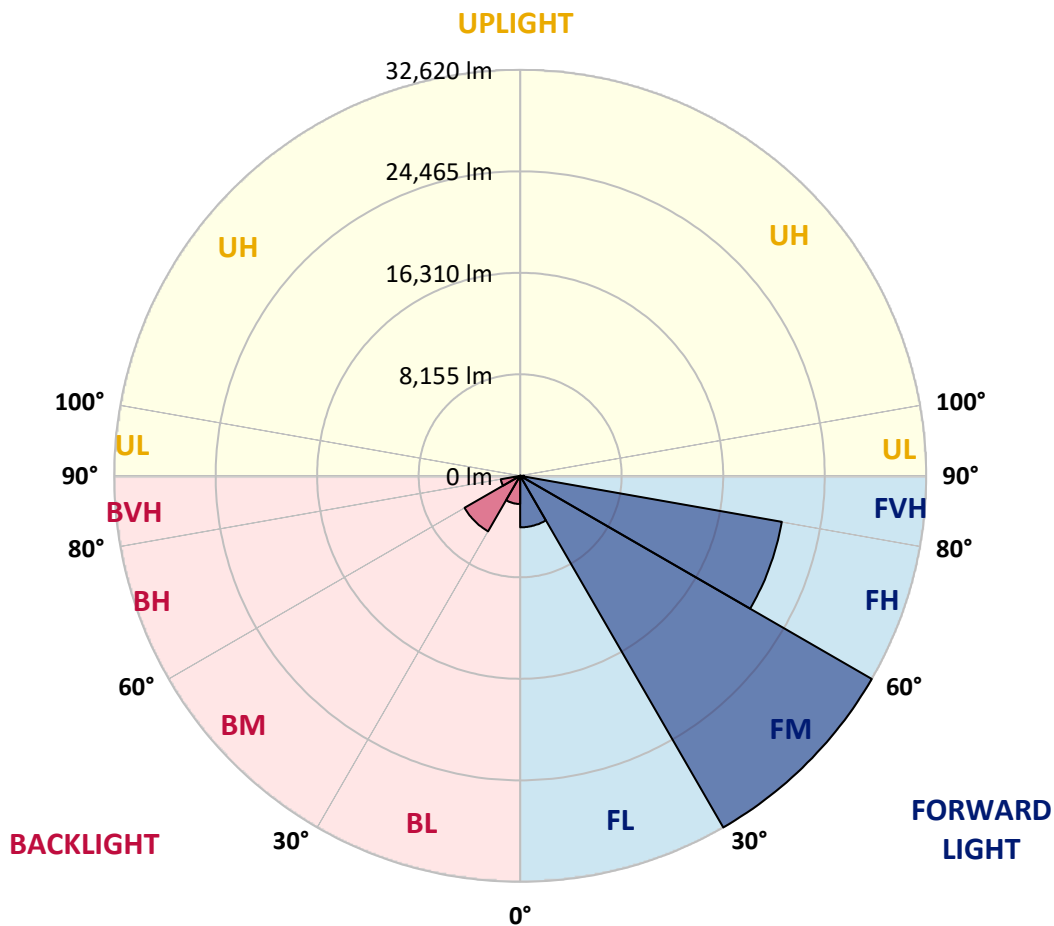
CATALOG NUMBER: GLAN-SB9D-727-U-T3-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4140.7  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 32620.1 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 21345.2 | 31.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 302.2   | 0.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2263.8  | 3.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5154.8  | 7.6       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 1582.6  | 2.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 15.5    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type III Short



REPORT NUMBER: P944676

CATALOG NUMBER: GLAN-SB9D-727-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7842.2  | 7842.2  | 7842.2  | 7842.2  | 7842.2  | 7842.2  | 7842.2  | 7842.2  | 7842.2  | 7842.2  |
| 2.5°  | 7815.1  | 7869.3  | 7855.8  | 7842.2  | 7837.7  | 7846.7  | 7851.3  | 7846.7  | 7846.7  | 7846.7  |
| 5°    | 7665.9  | 7711.1  | 7711.1  | 7742.8  | 7788.0  | 7842.2  | 7882.9  | 7891.9  | 7901.0  | 7914.5  |
| 7.5°  | 7381.2  | 7417.3  | 7444.5  | 7548.4  | 7661.4  | 7806.1  | 7928.1  | 7991.4  | 8000.4  | 8050.1  |
| 10°   | 7186.8  | 7232.0  | 7277.2  | 7385.7  | 7548.4  | 7765.4  | 7973.3  | 8127.0  | 8149.6  | 8267.1  |
| 12.5° | 7177.8  | 7223.0  | 7281.7  | 7399.3  | 7589.1  | 7819.6  | 8072.7  | 8294.2  | 8334.9  | 8506.7  |
| 15°   | 7272.7  | 7326.9  | 7381.2  | 7525.8  | 7729.2  | 8009.5  | 8280.7  | 8556.4  | 8597.1  | 8841.2  |
| 17.5° | 7467.1  | 7539.4  | 7580.1  | 7724.7  | 7941.7  | 8253.5  | 8610.6  | 8927.0  | 8963.2  | 9248.0  |
| 20°   | 7851.3  | 7937.1  | 7950.7  | 8068.2  | 8280.7  | 8615.2  | 9040.0  | 9433.3  | 9478.5  | 9803.9  |
| 22.5° | 8646.8  | 8768.8  | 8660.4  | 8719.1  | 8909.0  | 9243.4  | 9704.5  | 10201.7 | 10265.0 | 10635.6 |
| 25°   | 10048.0 | 10219.8 | 9939.5  | 9840.1  | 9921.4  | 10269.5 | 10848.0 | 11476.3 | 11548.6 | 11847.0 |
| 27.5° | 12800.7 | 12579.2 | 12154.3 | 11738.5 | 11494.4 | 11693.3 | 12344.2 | 13121.6 | 13212.0 | 13501.3 |
| 30°   | 15824.6 | 15630.2 | 15056.2 | 14134.1 | 13555.5 | 13523.9 | 14125.0 | 14992.9 | 15096.9 | 15372.6 |
| 32.5° | 18853.0 | 18667.7 | 18043.9 | 16909.4 | 15905.9 | 15408.7 | 15824.6 | 16787.3 | 16841.6 | 17017.9 |
| 35°   | 21831.7 | 21641.8 | 21018.1 | 19856.4 | 18622.5 | 17492.5 | 17411.1 | 18495.9 | 18514.0 | 18699.3 |
| 37.5° | 24828.4 | 24670.2 | 24005.8 | 22866.8 | 21650.9 | 20091.5 | 19336.6 | 20114.1 | 20136.7 | 20317.5 |
| 40°   | 26966.4 | 27034.2 | 26577.7 | 25696.3 | 24652.2 | 22948.1 | 21497.2 | 21836.2 | 21700.6 | 22003.4 |
| 42.5° | 28801.5 | 28937.1 | 28539.4 | 28096.4 | 27490.7 | 25990.1 | 24173.0 | 24114.3 | 23897.3 | 24060.0 |
| 45°   | 30388.1 | 30501.1 | 30144.0 | 30040.0 | 30026.5 | 28973.3 | 27097.5 | 26744.9 | 26442.1 | 26410.5 |
| 47.5° | 30971.1 | 31188.1 | 31341.8 | 31689.8 | 32367.8 | 31924.9 | 30121.4 | 29574.5 | 29235.5 | 28986.9 |
| 50°   | 31192.6 | 31423.2 | 31947.5 | 32960.0 | 34564.6 | 34754.4 | 33131.7 | 32517.0 | 32101.2 | 31649.2 |
| 52.5° | 30894.3 | 31305.6 | 32010.8 | 33714.8 | 36042.6 | 37023.5 | 36020.0 | 35482.1 | 35007.5 | 34270.8 |
| 55°   | 29136.0 | 29547.3 | 30989.2 | 33705.8 | 36779.4 | 38614.5 | 38750.1 | 38510.5 | 37977.2 | 36815.5 |
| 57.5° | 25429.6 | 26039.8 | 28322.4 | 32557.7 | 36765.8 | 39984.1 | 41425.9 | 41597.7 | 41001.1 | 39337.7 |
| 60°   | 20294.9 | 21122.0 | 23906.4 | 30012.9 | 35631.3 | 40725.3 | 43771.8 | 44630.6 | 43997.8 | 41823.7 |
| 62.5° | 14161.2 | 15119.5 | 17754.6 | 26026.3 | 33036.8 | 40192.0 | 45484.9 | 47071.4 | 46592.3 | 44047.6 |
| 65°   | 8637.8  | 8945.1  | 11069.5 | 20480.2 | 28625.3 | 37959.1 | 46013.8 | 48391.3 | 48233.1 | 45408.1 |
| 67.5° | 5754.0  | 6011.6  | 6621.8  | 14043.7 | 22220.4 | 33497.8 | 44748.2 | 48160.8 | 48206.0 | 45186.6 |
| 70°   | 3466.9  | 3688.3  | 4086.1  | 8167.7  | 14400.8 | 26514.4 | 40829.3 | 45222.8 | 45484.9 | 42226.0 |
| 72.5° | 1428.3  | 1577.5  | 1939.1  | 3701.9  | 7458.0  | 16828.0 | 32512.5 | 38826.9 | 39437.1 | 35504.7 |
| 75°   | 809.1   | 885.9   | 1139.0  | 1857.7  | 3236.3  | 7842.2  | 19693.7 | 27563.1 | 28462.5 | 24471.4 |
| 77.5° | 537.9   | 574.0   | 736.8   | 1202.3  | 1821.6  | 2675.8  | 8416.3  | 14360.1 | 16077.7 | 13365.7 |
| 80°   | 361.6   | 393.2   | 506.2   | 804.6   | 1184.2  | 1148.1  | 2680.4  | 5320.1  | 6545.0  | 4592.3  |
| 82.5° | 244.1   | 248.6   | 361.6   | 528.8   | 750.3   | 556.0   | 791.0   | 1654.3  | 2079.2  | 1328.9  |
| 85°   | 140.1   | 135.6   | 266.7   | 307.4   | 334.5   | 230.5   | 239.6   | 497.2   | 650.9   | 560.5   |
| 87.5° | 18.1    | 27.1    | 104.0   | 81.4    | 45.2    | 49.7    | 49.7    | 85.9    | 126.6   | 135.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P944676

CATALOG NUMBER: GLAN-SB9D-727-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7842.2  | 0°    | 7842.2  | 7842.2  | 7842.2 | 7842.2 | 7842.2 | 7842.2 | 7842.2 | 7842.2 | 7842.2 | 7842.2 |
| 7851.3  | 2.5°  | 7851.3  | 7846.7  | 7833.2 | 7819.6 | 7788.0 | 7769.9 | 7778.9 | 7769.9 | 7765.4 | 7769.9 |
| 7910.0  | 5°    | 7910.0  | 7896.5  | 7860.3 | 7815.1 | 7751.8 | 7675.0 | 7625.3 | 7552.9 | 7485.1 | 7444.5 |
| 8068.2  | 7.5°  | 8068.2  | 8054.7  | 8004.9 | 7878.4 | 7675.0 | 7354.1 | 7060.3 | 6802.6 | 6608.3 | 6495.3 |
| 8321.3  | 10°   | 8321.3  | 8298.7  | 8221.9 | 7941.7 | 7408.3 | 6707.7 | 6124.6 | 5641.0 | 5324.6 | 5175.4 |
| 8619.7  | 12.5° | 8619.7  | 8592.6  | 8456.9 | 7882.9 | 6902.1 | 5808.2 | 5003.7 | 4465.8 | 4172.0 | 4040.9 |
| 8963.2  | 15°   | 8972.2  | 8936.1  | 8669.4 | 7602.7 | 6165.3 | 4813.8 | 4077.1 | 3674.8 | 3484.9 | 3367.4 |
| 9401.6  | 17.5° | 9410.7  | 9347.4  | 8827.6 | 7182.3 | 5365.3 | 4054.5 | 3507.5 | 3204.7 | 3037.5 | 2924.5 |
| 9975.7  | 20°   | 9980.2  | 9876.2  | 8954.2 | 6680.6 | 4628.5 | 3575.3 | 3123.3 | 2870.2 | 2743.6 | 2644.2 |
| 10789.3 | 22.5° | 10775.7 | 10626.6 | 9107.8 | 6138.2 | 4108.7 | 3245.4 | 2838.6 | 2653.2 | 2549.3 | 2436.3 |
| 11923.8 | 25°   | 11761.1 | 11584.8 | 9297.7 | 5636.5 | 3751.6 | 2960.6 | 2630.6 | 2477.0 | 2354.9 | 2223.8 |
| 13410.9 | 27.5° | 13139.7 | 12823.3 | 9523.7 | 5225.1 | 3444.3 | 2716.5 | 2440.8 | 2269.0 | 2128.9 | 2020.4 |
| 15096.9 | 30°   | 14676.5 | 14156.7 | 9722.6 | 4976.5 | 3164.0 | 2490.5 | 2192.2 | 2020.4 | 1889.4 | 1812.5 |
| 16611.1 | 32.5° | 16131.9 | 15426.8 | 9853.6 | 4868.1 | 2910.9 | 2232.9 | 1921.0 | 1735.7 | 1636.2 | 1613.6 |
| 18093.6 | 35°   | 17506.0 | 16574.9 | 9840.1 | 4764.1 | 2684.9 | 1975.2 | 1654.3 | 1464.5 | 1387.6 | 1401.2 |
| 19689.2 | 37.5° | 19088.0 | 17799.8 | 9745.2 | 4601.4 | 2499.6 | 1740.2 | 1423.8 | 1256.6 | 1188.8 | 1193.3 |
| 21628.3 | 40°   | 20927.7 | 19214.6 | 9686.4 | 4294.0 | 2296.2 | 1523.2 | 1234.0 | 1098.4 | 1048.6 | 1030.6 |
| 23671.3 | 42.5° | 22889.4 | 20584.2 | 9695.4 | 3946.0 | 2043.0 | 1328.9 | 1102.9 | 989.9  | 944.7  | 931.1  |
| 25944.9 | 45°   | 24860.1 | 21890.4 | 9709.0 | 3584.4 | 1776.4 | 1179.7 | 1008.0 | 913.0  | 885.9  | 867.8  |
| 28250.1 | 47.5° | 26713.3 | 23002.4 | 9455.9 | 3195.7 | 1514.2 | 1066.7 | 931.1  | 867.8  | 845.2  | 822.6  |
| 30564.3 | 50°   | 28439.9 | 23743.6 | 8845.7 | 2743.6 | 1306.3 | 976.3  | 872.4  | 827.2  | 804.6  | 782.0  |
| 32661.6 | 52.5° | 29782.4 | 23861.2 | 7837.7 | 2278.1 | 1161.6 | 908.5  | 836.2  | 795.5  | 768.4  | 745.8  |
| 34356.6 | 55°   | 30379.0 | 23124.4 | 6404.9 | 1844.2 | 1048.6 | 849.8  | 800.0  | 759.4  | 727.7  | 705.1  |
| 35690.0 | 57.5° | 30225.3 | 21574.0 | 4994.6 | 1482.6 | 940.2  | 791.0  | 754.8  | 727.7  | 691.6  | 655.4  |
| 36770.3 | 60°   | 29470.5 | 19499.3 | 3765.2 | 1234.0 | 840.7  | 727.7  | 705.1  | 682.5  | 632.8  | 578.6  |
| 37186.2 | 62.5° | 28164.2 | 16891.3 | 2684.9 | 1021.5 | 732.2  | 655.4  | 646.4  | 628.3  | 556.0  | 456.5  |
| 36571.4 | 65°   | 26166.4 | 13722.8 | 1808.0 | 849.8  | 628.3  | 574.0  | 578.6  | 546.9  | 452.0  | 339.0  |
| 34320.5 | 67.5° | 23246.4 | 10034.4 | 1157.1 | 696.1  | 524.3  | 479.1  | 483.6  | 465.6  | 384.2  | 289.3  |
| 30053.6 | 70°   | 19526.5 | 6644.4  | 754.8  | 528.8  | 420.4  | 370.6  | 397.8  | 402.3  | 325.4  | 235.0  |
| 23065.6 | 72.5° | 14314.9 | 3923.4  | 528.8  | 393.2  | 307.4  | 257.6  | 325.4  | 334.5  | 262.2  | 176.3  |
| 13876.4 | 75°   | 8158.6  | 1862.2  | 397.8  | 284.8  | 189.8  | 180.8  | 253.1  | 253.1  | 180.8  | 117.5  |
| 6007.1  | 77.5° | 3426.2  | 777.4   | 280.2  | 185.3  | 108.5  | 104.0  | 171.8  | 158.2  | 90.4   | 54.2   |
| 1464.5  | 80°   | 989.9   | 348.0   | 149.2  | 90.4   | 45.2   | 40.7   | 67.8   | 49.7   | 22.6   | 9.0    |
| 556.0   | 82.5° | 388.7   | 153.7   | 58.8   | 36.2   | 18.1   | 18.1   | 9.0    | 0.0    | 0.0    | 0.0    |
| 316.4   | 85°   | 230.5   | 63.3    | 27.1   | 13.6   | 4.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 67.8    | 87.5° | 58.8    | 13.6    | 9.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 7842.2 |
| 7788.0 |
| 7453.5 |
| 6499.8 |
| 5161.9 |
| 4027.3 |
| 3371.9 |
| 2915.4 |
| 2626.1 |
| 2418.2 |
| 2210.3 |
| 1997.8 |
| 1799.0 |
| 1627.2 |
| 1401.2 |
| 1211.4 |
| 1026.0 |
| 926.6  |
| 867.8  |
| 822.6  |
| 782.0  |
| 741.3  |
| 700.6  |
| 650.9  |
| 569.5  |
| 447.5  |
| 330.0  |
| 275.7  |
| 226.0  |
| 167.2  |
| 108.5  |
| 54.2   |
| 9.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

F REPORT)