

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: P955831

Luminaire Tested: **GLAN-SB8C-930-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955831  
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-SB8C-930-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43248 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

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



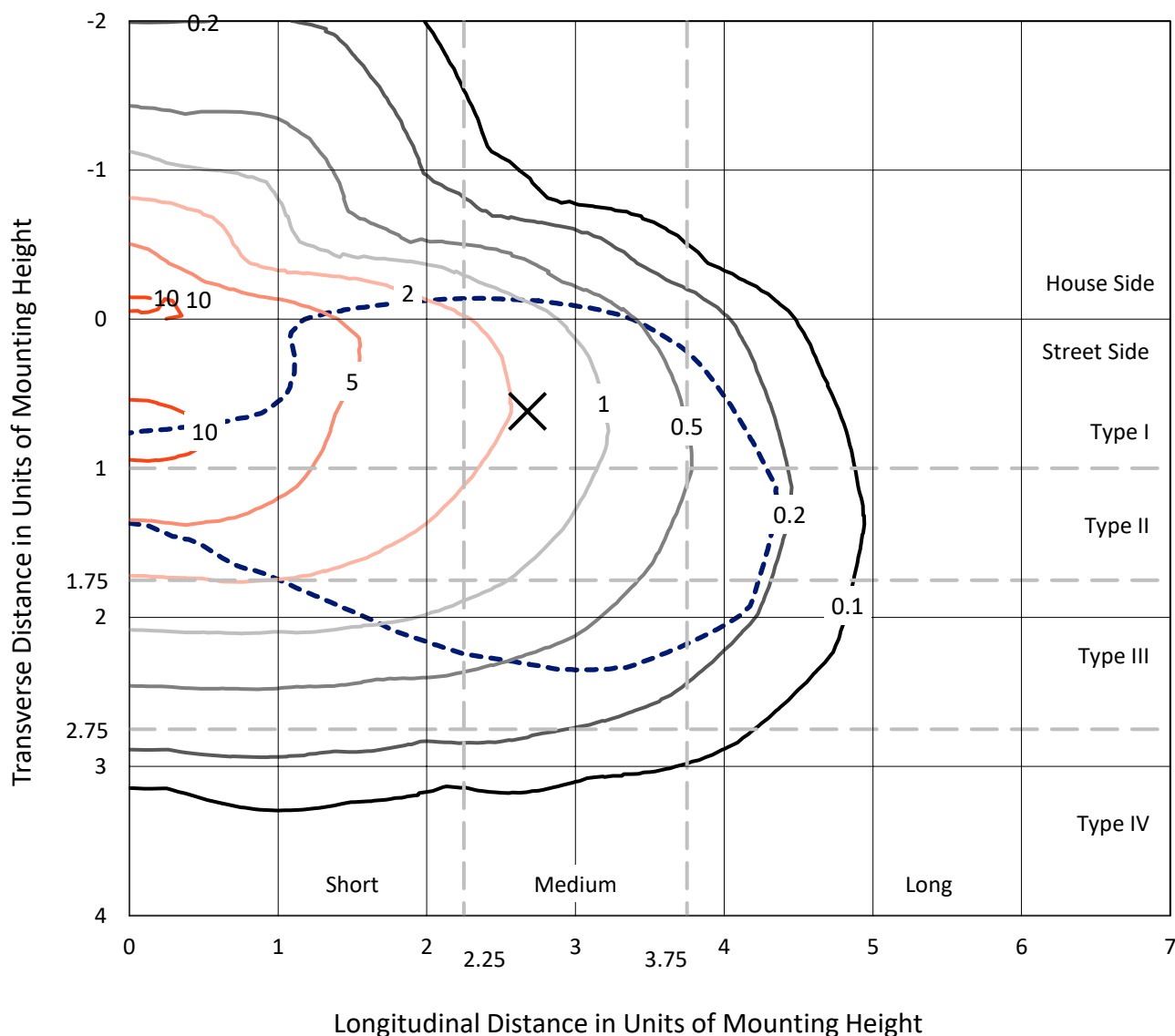
REPORT NUMBER: P955831

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

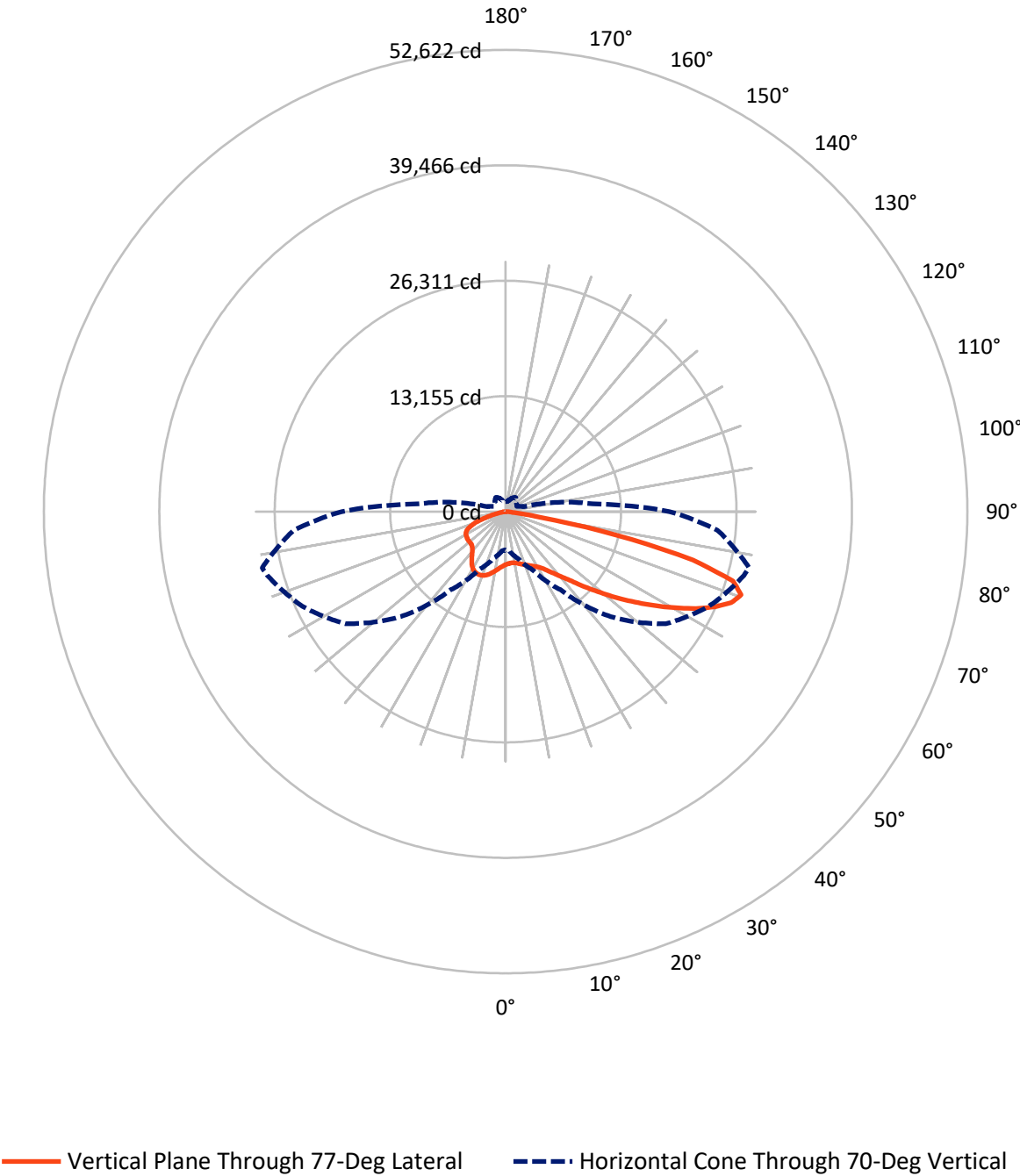
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
Type III - Medium - N/A

REPORT NUMBER: P955831  
CATALOG NUMBER: GLAN-SB8C-930-U-T3R

Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9470.6   | 0.0    | 9470.6  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 33777.4  | 0.0    | 33777.4 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 43248.0  | 0.0    | 43248.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 575.4   | 1.3       |
| 10°-20°   | 1660.8  | 3.8       |
| 20°-30°   | 2840.1  | 6.6       |
| 30°-40°   | 4567.2  | 10.6      |
| 40°-50°   | 7130.6  | 16.5      |
| 50°-60°   | 9524.8  | 22.0      |
| 60°-70°   | 10152.0 | 23.5      |
| 70°-80°   | 6249.5  | 14.5      |
| 80°-90°   | 547.6   | 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°    | 43248.0 | 100.0     |
| 0°-180°   | 43248.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955831

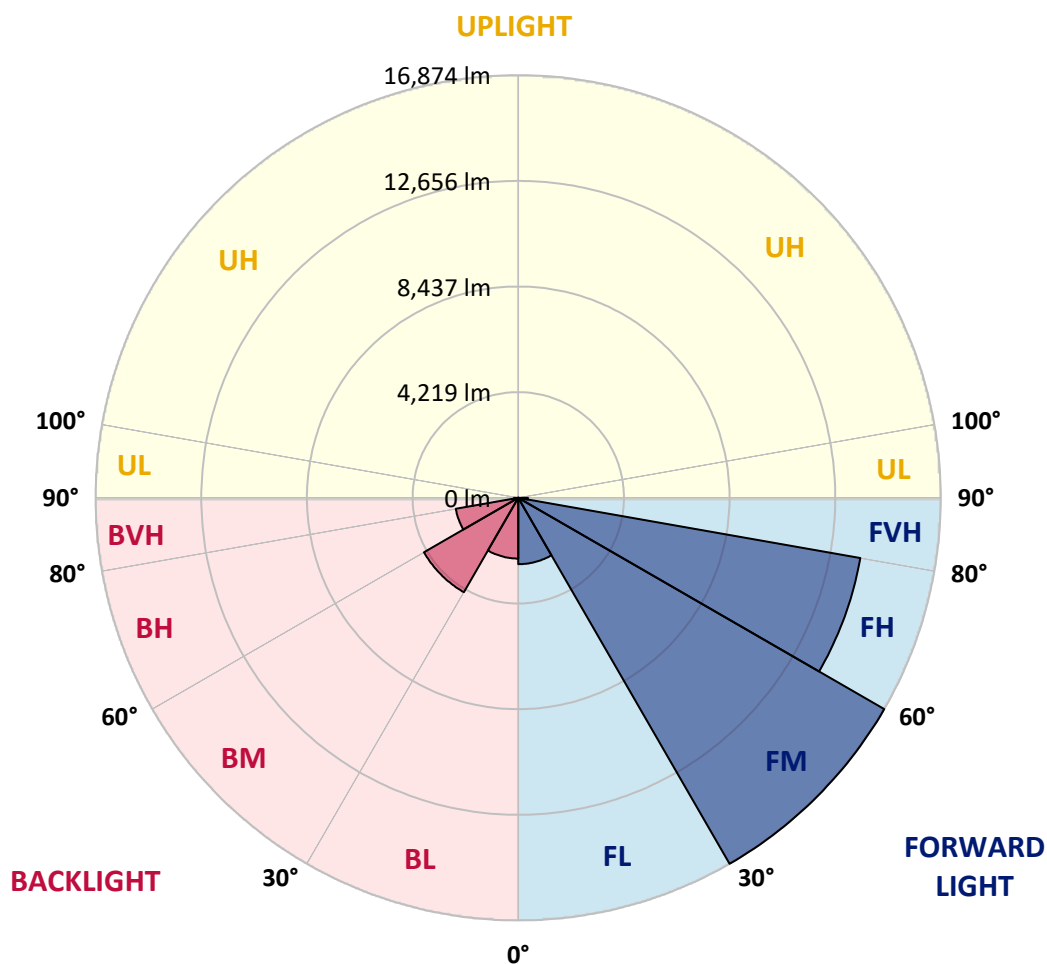
CATALOG NUMBER: GLAN-SB8C-930-U-T3R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2649.6  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 16874.4 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 13870.4 | 32.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 382.9   | 0.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2426.7  | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4348.2  | 10.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2531.1  | 5.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 164.7   | 0.4       |                         |      | G2/225  |
| 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 Medium



REPORT NUMBER: P955831

CATALOG NUMBER: GLAN-SB8C-930-U-T3R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6033.5  | 6033.5  | 6033.5  | 6033.5  | 6033.5  | 6033.5  | 6033.5  | 6033.5  | 6033.5  | 6033.5  |
| 2.5°  | 5561.7  | 5559.5  | 5588.3  | 5597.1  | 5650.3  | 5688.0  | 5758.8  | 5834.1  | 5931.6  | 5942.7  |
| 5°    | 5240.5  | 5240.5  | 5273.8  | 5309.2  | 5377.9  | 5453.2  | 5561.7  | 5692.4  | 5860.7  | 5887.3  |
| 7.5°  | 4968.1  | 4985.8  | 5014.6  | 5083.3  | 5163.0  | 5271.6  | 5437.7  | 5623.7  | 5845.2  | 5887.3  |
| 10°   | 4748.8  | 4768.8  | 4804.2  | 4859.6  | 4979.2  | 5129.8  | 5346.9  | 5586.1  | 5882.9  | 5949.3  |
| 12.5° | 4680.2  | 4700.1  | 4720.0  | 4762.1  | 4872.9  | 5050.1  | 5309.2  | 5603.8  | 5973.7  | 6040.1  |
| 15°   | 4839.6  | 4864.0  | 4848.5  | 4837.4  | 4895.0  | 5056.7  | 5326.9  | 5668.0  | 6086.6  | 6181.9  |
| 17.5° | 5207.3  | 5216.2  | 5180.7  | 5076.6  | 5067.8  | 5154.2  | 5411.1  | 5756.6  | 6228.4  | 6332.5  |
| 20°   | 5800.9  | 5785.4  | 5712.3  | 5506.3  | 5388.9  | 5371.2  | 5555.1  | 5889.5  | 6374.6  | 6485.3  |
| 22.5° | 6607.2  | 6589.4  | 6443.3  | 6117.7  | 5856.3  | 5683.5  | 5763.3  | 6062.3  | 6538.5  | 6662.5  |
| 25°   | 7612.7  | 7588.4  | 7373.5  | 6930.5  | 6525.2  | 6097.7  | 6046.8  | 6290.4  | 6740.1  | 6855.2  |
| 27.5° | 8786.7  | 8766.7  | 8534.2  | 7949.4  | 7364.7  | 6664.7  | 6399.0  | 6558.4  | 6950.5  | 7081.2  |
| 30°   | 10049.2 | 10106.8 | 9694.8  | 9065.7  | 8326.0  | 7404.5  | 6873.0  | 6888.5  | 7222.9  | 7340.3  |
| 32.5° | 11533.2 | 11632.9 | 11136.7 | 10339.3 | 9329.3  | 8208.6  | 7471.0  | 7349.2  | 7619.4  | 7716.8  |
| 35°   | 13003.9 | 13116.9 | 12704.9 | 11823.3 | 10660.5 | 9156.6  | 8095.6  | 7878.5  | 8146.5  | 8252.9  |
| 37.5° | 14275.3 | 14425.9 | 14213.3 | 13446.9 | 12084.7 | 10299.5 | 8910.7  | 8500.9  | 8795.5  | 8928.4  |
| 40°   | 15278.6 | 15509.0 | 15493.5 | 15015.1 | 13763.6 | 11686.0 | 9945.1  | 9269.5  | 9601.8  | 9745.7  |
| 42.5° | 16093.7 | 16293.1 | 16465.8 | 16441.5 | 15515.6 | 13260.8 | 11161.1 | 10268.5 | 10521.0 | 10687.1 |
| 45°   | 16656.3 | 16869.0 | 17241.1 | 17642.0 | 17201.2 | 14946.4 | 12554.3 | 11453.4 | 11683.8 | 11934.1 |
| 47.5° | 17159.1 | 17400.6 | 17883.4 | 18519.1 | 18632.1 | 16638.6 | 14080.4 | 12833.3 | 13043.8 | 13302.9 |
| 50°   | 17203.4 | 17411.6 | 18160.3 | 19061.8 | 19648.7 | 18264.4 | 15719.4 | 14381.6 | 14578.7 | 14855.6 |
| 52.5° | 16133.6 | 16461.4 | 17768.2 | 19046.3 | 20116.1 | 19624.3 | 17347.4 | 15991.9 | 16213.3 | 16545.6 |
| 55°   | 12523.3 | 13003.9 | 16618.7 | 18452.6 | 19949.9 | 20503.7 | 18895.6 | 17704.0 | 17987.5 | 18335.3 |
| 57.5° | 10786.7 | 10997.2 | 13192.2 | 17371.8 | 19192.4 | 20731.8 | 20202.4 | 19433.9 | 19890.1 | 20271.1 |
| 60°   | 9694.8  | 9869.8  | 11167.7 | 15690.6 | 18195.7 | 20370.8 | 21212.5 | 21046.3 | 21834.9 | 22288.9 |
| 62.5° | 8525.3  | 8691.4  | 9872.0  | 13101.4 | 16919.9 | 19770.5 | 21850.4 | 22534.8 | 23828.3 | 24324.4 |
| 65°   | 7364.7  | 7506.4  | 8638.3  | 11008.2 | 15298.6 | 19170.3 | 22180.4 | 23821.7 | 25673.3 | 26187.2 |
| 67.5° | 6071.1  | 6188.5  | 7258.4  | 9287.2  | 13327.3 | 18348.5 | 22344.3 | 24833.9 | 27279.2 | 27719.9 |
| 70°   | 4381.1  | 4472.0  | 5577.2  | 7344.7  | 10853.2 | 16935.4 | 22277.8 | 25551.5 | 28112.0 | 28464.2 |
| 72.5° | 2071.0  | 2152.9  | 3450.9  | 4768.8  | 7665.9  | 14184.5 | 20933.4 | 24982.3 | 27265.9 | 27090.9 |
| 75°   | 1105.3  | 1176.1  | 1982.4  | 2615.8  | 4048.9  | 9723.6  | 17130.3 | 21520.3 | 22895.8 | 22045.3 |
| 77.5° | 748.6   | 804.0   | 1227.1  | 1570.4  | 1849.5  | 4615.9  | 11010.5 | 14899.9 | 14335.1 | 12930.8 |
| 80°   | 593.6   | 651.2   | 1005.6  | 1063.2  | 894.8   | 1667.8  | 4549.5  | 6897.3  | 4954.8  | 3962.5  |
| 82.5° | 456.3   | 520.5   | 846.1   | 770.8   | 487.3   | 684.4   | 1324.5  | 2181.7  | 1269.2  | 965.7   |
| 85°   | 279.1   | 347.7   | 664.5   | 491.7   | 274.7   | 312.3   | 449.6   | 606.9   | 387.6   | 323.4   |
| 87.5° | 141.8   | 199.3   | 336.7   | 179.4   | 124.0   | 73.1    | 119.6   | 119.6   | 101.9   | 88.6    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955831

CATALOG NUMBER: GLAN-SB8C-930-U-T3R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6033.5  | 0°    | 6033.5  | 6033.5  | 6033.5 | 6033.5 | 6033.5 | 6033.5 | 6033.5 | 6033.5 | 6033.5 | 6033.5 |
| 6002.5  | 2.5°  | 6055.6  | 6099.9  | 6175.2 | 6246.1 | 6301.5 | 6354.7 | 6407.8 | 6436.6 | 6445.5 | 6480.9 |
| 6035.7  | 5°    | 6126.5  | 6208.5  | 6354.7 | 6492.0 | 6578.4 | 6631.5 | 6669.2 | 6691.3 | 6695.8 | 6706.8 |
| 6126.5  | 7.5°  | 6257.2  | 6387.9  | 6591.7 | 6729.0 | 6793.2 | 6788.8 | 6773.3 | 6717.9 | 6695.8 | 6675.8 |
| 6259.4  | 10°   | 6441.0  | 6613.8  | 6864.1 | 6959.3 | 6919.5 | 6813.1 | 6675.8 | 6514.1 | 6438.8 | 6365.7 |
| 6441.0  | 12.5° | 6669.2  | 6888.5  | 7134.3 | 7129.9 | 6932.8 | 6660.3 | 6341.4 | 6093.3 | 5936.0 | 5823.1 |
| 6664.7  | 15°   | 6946.0  | 7198.5  | 7386.8 | 7236.2 | 6804.3 | 6314.8 | 5847.4 | 5524.1 | 5382.3 | 5258.3 |
| 6890.7  | 17.5° | 7231.8  | 7502.0  | 7588.4 | 7203.0 | 6480.9 | 5803.1 | 5273.8 | 5019.0 | 4879.5 | 4813.1 |
| 7134.3  | 20°   | 7510.9  | 7778.9  | 7708.0 | 7012.5 | 5989.2 | 5222.8 | 4751.0 | 4611.5 | 4582.7 | 4598.2 |
| 7371.3  | 22.5° | 7805.4  | 8044.7  | 7732.3 | 6644.8 | 5362.4 | 4629.2 | 4370.1 | 4374.5 | 4438.7 | 4485.2 |
| 7619.4  | 25°   | 8106.7  | 8268.4  | 7668.1 | 6113.2 | 4689.0 | 4192.9 | 4128.6 | 4199.5 | 4325.8 | 4416.6 |
| 7898.5  | 27.5° | 8396.8  | 8467.7  | 7528.6 | 5455.4 | 4110.9 | 3880.6 | 3891.6 | 4037.8 | 4228.3 | 4354.6 |
| 8237.4  | 30°   | 8724.6  | 8644.9  | 7260.6 | 4715.6 | 3710.0 | 3612.6 | 3705.6 | 3876.1 | 4066.6 | 4179.6 |
| 8664.8  | 32.5° | 9094.5  | 8797.7  | 6835.3 | 4031.2 | 3426.5 | 3397.7 | 3550.5 | 3661.3 | 3745.5 | 3778.7 |
| 9231.9  | 35°   | 9555.2  | 9012.6  | 6290.4 | 3550.5 | 3171.8 | 3240.5 | 3386.6 | 3331.3 | 3298.0 | 3280.3 |
| 9993.8  | 37.5° | 10153.3 | 9302.7  | 5652.5 | 3238.2 | 2965.8 | 3127.5 | 3187.3 | 3014.5 | 2883.8 | 2819.6 |
| 10917.4 | 40°   | 10873.1 | 9728.0  | 5039.0 | 2996.8 | 2835.1 | 3030.0 | 2925.9 | 2717.7 | 2551.6 | 2460.8 |
| 11956.2 | 42.5° | 11672.7 | 10173.2 | 4522.9 | 2815.2 | 2762.0 | 2950.3 | 2733.2 | 2485.2 | 2217.2 | 2188.4 |
| 13194.4 | 45°   | 12512.2 | 10631.7 | 4170.7 | 2675.6 | 2726.6 | 2881.6 | 2622.5 | 2221.6 | 2031.1 | 2148.5 |
| 14437.0 | 47.5° | 13351.6 | 11052.5 | 3958.1 | 2571.5 | 2708.9 | 2804.1 | 2525.0 | 2075.4 | 1940.3 | 2110.8 |
| 15768.1 | 50°   | 14286.3 | 11429.1 | 3862.9 | 2496.2 | 2688.9 | 2773.1 | 2378.8 | 2037.7 | 1845.0 | 1958.0 |
| 17145.8 | 52.5° | 15214.4 | 11721.5 | 3792.0 | 2420.9 | 2660.1 | 2748.7 | 2308.0 | 1993.4 | 1729.9 | 1736.5 |
| 18532.4 | 55°   | 16140.3 | 11911.9 | 3714.5 | 2321.3 | 2595.9 | 2695.6 | 2301.3 | 1944.7 | 1643.5 | 1612.5 |
| 19998.7 | 57.5° | 17128.1 | 12020.5 | 3619.2 | 2210.5 | 2485.2 | 2560.5 | 2294.7 | 1907.1 | 1616.9 | 1566.0 |
| 21498.2 | 60°   | 18133.7 | 12179.9 | 3495.2 | 2075.4 | 2336.8 | 2398.8 | 2279.2 | 1893.8 | 1601.4 | 1515.0 |
| 22911.3 | 62.5° | 19035.2 | 12235.3 | 3346.8 | 1946.9 | 2146.3 | 2239.3 | 2245.9 | 1882.7 | 1559.3 | 1410.9 |
| 24085.2 | 65°   | 19626.6 | 11996.1 | 3087.6 | 1800.7 | 1940.3 | 2075.4 | 2181.7 | 1845.0 | 1484.0 | 1335.6 |
| 24665.5 | 67.5° | 19602.2 | 11313.9 | 2682.3 | 1612.5 | 1740.9 | 1893.8 | 2088.7 | 1780.8 | 1393.2 | 1242.6 |
| 24227.0 | 70°   | 18689.6 | 9967.2  | 2168.4 | 1393.2 | 1521.7 | 1698.9 | 1969.1 | 1685.6 | 1284.7 | 1140.7 |
| 21542.5 | 72.5° | 16029.5 | 7801.0  | 1574.8 | 1136.3 | 1266.9 | 1497.3 | 1814.0 | 1570.4 | 1173.9 | 1049.9 |
| 15921.0 | 75°   | 11451.2 | 4937.1  | 1067.6 | 872.7  | 985.6  | 1269.2 | 1621.3 | 1435.3 | 1072.0 | 1054.3 |
| 7973.8  | 77.5° | 5849.7  | 2358.9  | 706.6  | 637.9  | 686.6  | 1001.2 | 1362.2 | 1282.4 | 1087.5 | 870.5  |
| 2268.1  | 80°   | 1902.6  | 870.5   | 445.2  | 434.1  | 456.3  | 666.7  | 1054.3 | 1052.1 | 824.0  | 591.4  |
| 549.3   | 82.5° | 606.9   | 374.3   | 290.2  | 279.1  | 268.0  | 418.6  | 735.4  | 832.8  | 555.9  | 374.3  |
| 197.1   | 85°   | 241.4   | 223.7   | 170.6  | 157.3  | 113.0  | 197.1  | 385.4  | 553.7  | 414.2  | 270.2  |
| 50.9    | 87.5° | 88.6    | 88.6    | 46.5   | 33.2   | 24.4   | 66.4   | 104.1  | 166.1  | 237.0  | 139.5  |
| 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°   |
|--------|
| 6033.5 |
| 6500.8 |
| 6724.6 |
| 6680.3 |
| 6343.6 |
| 5796.5 |
| 5245.0 |
| 4833.0 |
| 4591.6 |
| 4496.3 |
| 4441.0 |
| 4385.6 |
| 4206.2 |
| 3796.4 |
| 3298.0 |
| 2835.1 |
| 2467.4 |
| 2217.2 |
| 2210.5 |
| 2190.6 |
| 2042.2 |
| 1783.0 |
| 1634.6 |
| 1572.6 |
| 1521.7 |
| 1410.9 |
| 1335.6 |
| 1249.2 |
| 1154.0 |
| 1043.2 |
| 994.5  |
| 775.2  |
| 522.7  |
| 372.1  |
| 276.9  |
| 137.3  |
| 0.0    |