

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: P953458

Luminaire Tested: **GLAN-SB7A-730-U-T3R**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953458  
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-730-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 32750 lumens  
Efficiency: N/A  
Efficacy: 164.5 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

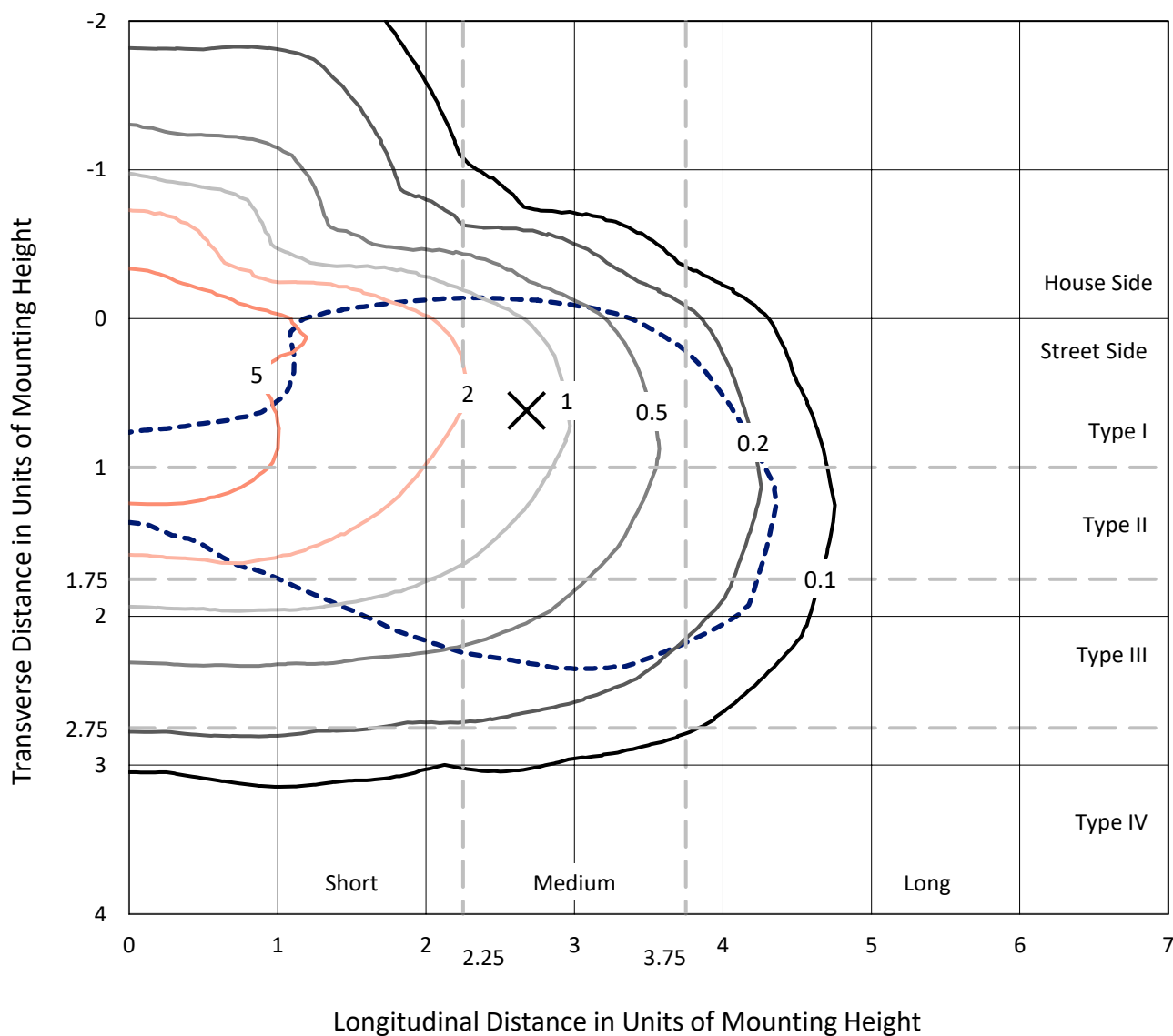


REPORT NUMBER: P953458

CATALOG NUMBER: GLAN-SB7A-730-U-T3R

## Iso-Footcandle Lines of Horizontal Illumination

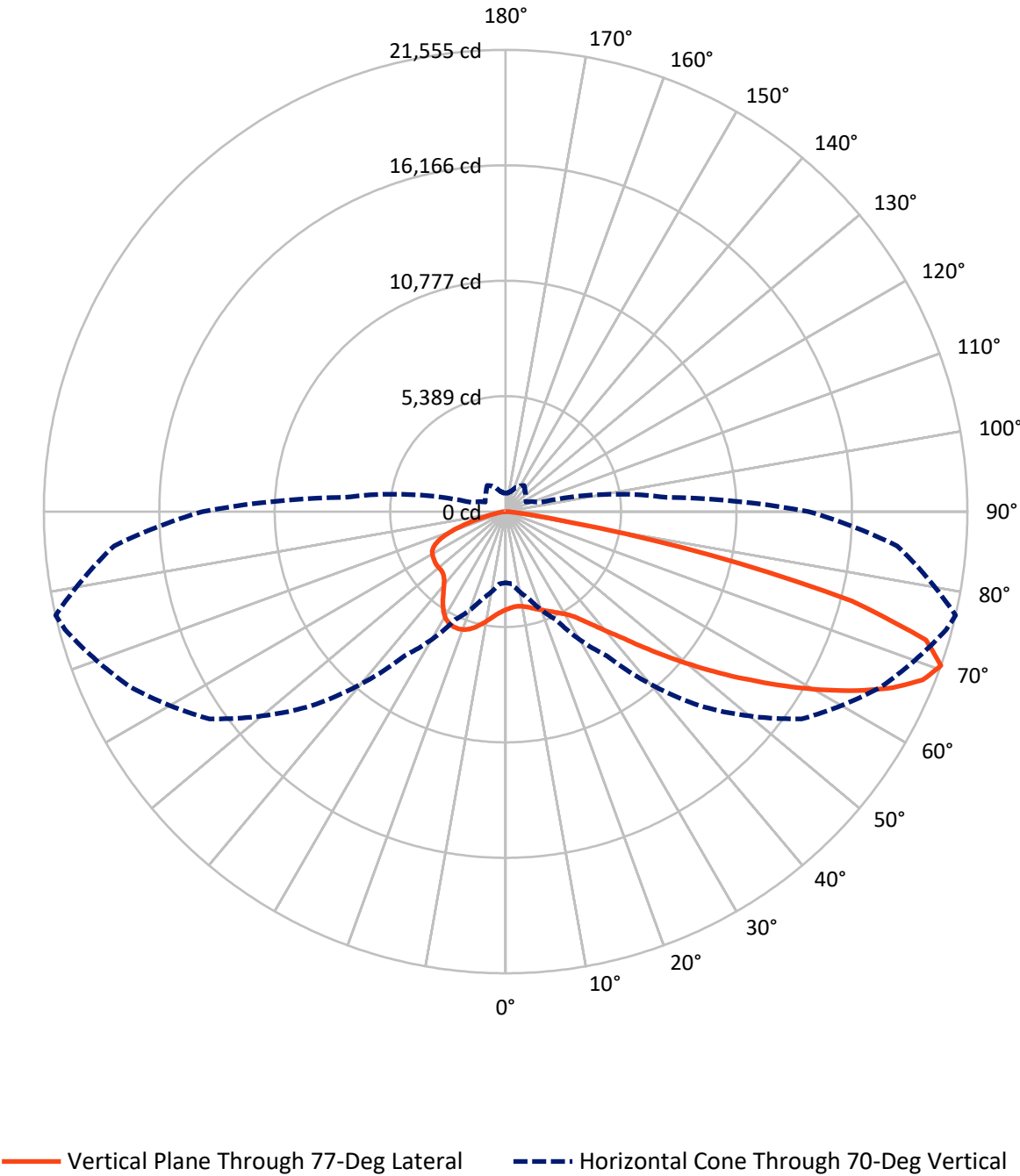
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
Type III - Medium - N/A

REPORT NUMBER: P953458  
CATALOG NUMBER: GLAN-SB7A-730-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P953458

CATALOG NUMBER: GLAN-SB7A-730-U-T3R

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7171.7   | 0.0    | 7171.7  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 25578.3  | 0.0    | 25578.3 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 32750.0  | 0.0    | 32750.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 435.7   | 1.3       |
| 10°-20°   | 1257.6  | 3.8       |
| 20°-30°   | 2150.7  | 6.6       |
| 30°-40°   | 3458.6  | 10.6      |
| 40°-50°   | 5399.7  | 16.5      |
| 50°-60°   | 7212.8  | 22.0      |
| 60°-70°   | 7687.7  | 23.5      |
| 70°-80°   | 4732.5  | 14.5      |
| 80°-90°   | 414.7   | 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°    | 32750.0 | 100.0     |
| 0°-180°   | 32750.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953458

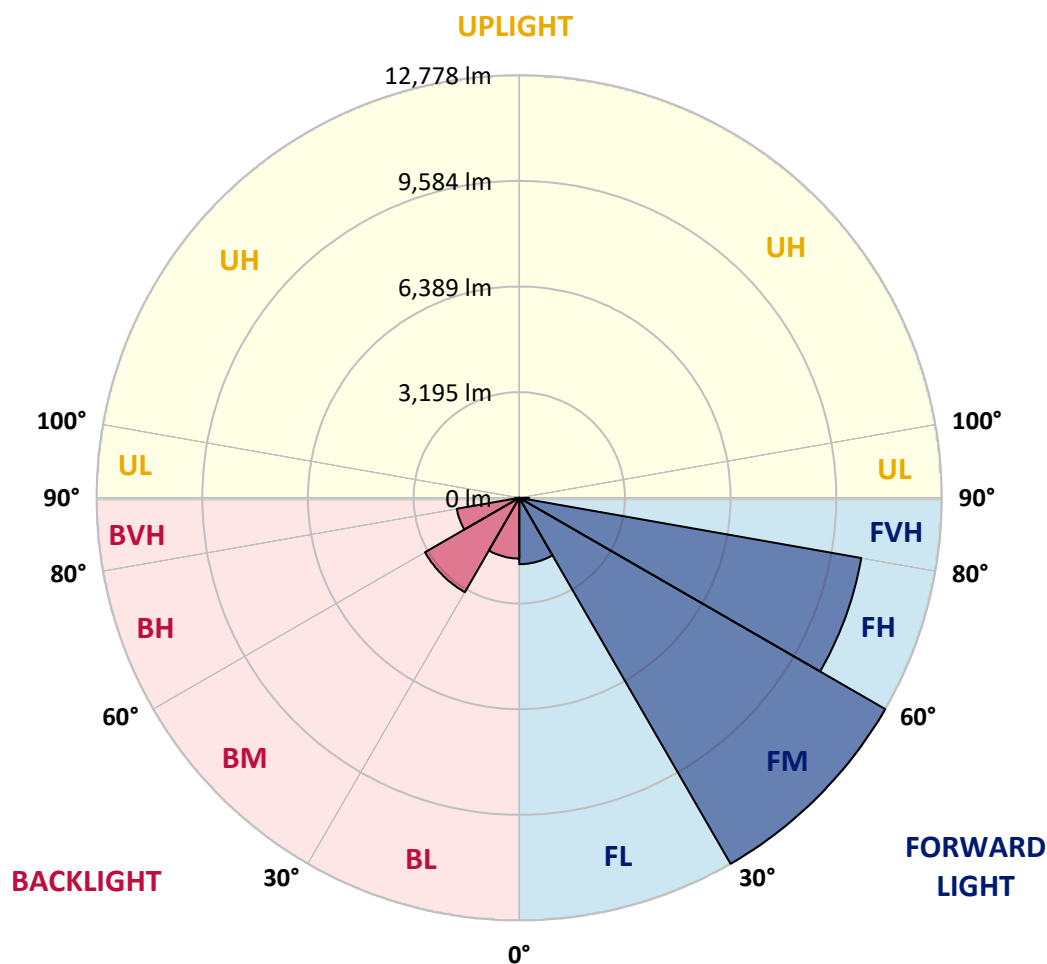
CATALOG NUMBER: GLAN-SB7A-730-U-T3R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2006.5  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 12778.3 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 10503.5 | 32.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 290.0   | 0.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1837.6  | 5.6       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3292.7  | 10.1      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1916.7  | 5.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 124.7   | 0.4       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

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

Type III Medium



REPORT NUMBER: P953458

CATALOG NUMBER: GLAN-SB7A-730-U-T3R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4568.9  | 4568.9  | 4568.9  | 4568.9  | 4568.9  | 4568.9  | 4568.9  | 4568.9  | 4568.9  | 4568.9  |
| 2.5°  | 4211.7  | 4210.0  | 4231.8  | 4238.5  | 4278.8  | 4307.3  | 4360.9  | 4418.0  | 4491.8  | 4500.2  |
| 5°    | 3968.5  | 3968.5  | 3993.6  | 4020.5  | 4072.4  | 4129.5  | 4211.7  | 4310.6  | 4438.1  | 4458.2  |
| 7.5°  | 3762.1  | 3775.6  | 3797.4  | 3849.4  | 3909.8  | 3991.9  | 4117.7  | 4258.6  | 4426.4  | 4458.2  |
| 10°   | 3596.1  | 3611.2  | 3638.0  | 3680.0  | 3770.5  | 3884.6  | 4049.0  | 4230.1  | 4454.9  | 4505.2  |
| 12.5° | 3544.1  | 3559.2  | 3574.3  | 3606.2  | 3690.0  | 3824.2  | 4020.5  | 4243.5  | 4523.6  | 4574.0  |
| 15°   | 3664.9  | 3683.3  | 3671.6  | 3663.2  | 3706.8  | 3829.2  | 4033.9  | 4292.2  | 4609.2  | 4681.3  |
| 17.5° | 3943.3  | 3950.0  | 3923.2  | 3844.3  | 3837.6  | 3903.0  | 4097.6  | 4359.3  | 4716.5  | 4795.4  |
| 20°   | 4392.8  | 4381.1  | 4325.7  | 4169.7  | 4080.8  | 4067.4  | 4206.6  | 4459.9  | 4827.2  | 4911.1  |
| 22.5° | 5003.3  | 4989.9  | 4879.2  | 4632.7  | 4434.7  | 4303.9  | 4364.3  | 4590.7  | 4951.3  | 5045.3  |
| 25°   | 5764.8  | 5746.4  | 5583.7  | 5248.2  | 4941.3  | 4617.6  | 4579.0  | 4763.5  | 5104.0  | 5191.2  |
| 27.5° | 6653.8  | 6638.7  | 6462.6  | 6019.8  | 5577.0  | 5046.9  | 4845.7  | 4966.4  | 5263.3  | 5362.3  |
| 30°   | 7609.8  | 7653.5  | 7341.5  | 6865.1  | 6304.9  | 5607.2  | 5204.6  | 5216.4  | 5469.6  | 5558.5  |
| 32.5° | 8733.6  | 8809.1  | 8433.4  | 7829.6  | 7064.7  | 6216.0  | 5657.5  | 5565.2  | 5769.9  | 5843.7  |
| 35°   | 9847.3  | 9932.9  | 9620.9  | 8953.3  | 8072.8  | 6933.9  | 6130.5  | 5966.1  | 6169.1  | 6249.6  |
| 37.5° | 10810.1 | 10924.2 | 10763.1 | 10182.8 | 9151.3  | 7799.4  | 6747.7  | 6437.4  | 6660.5  | 6761.1  |
| 40°   | 11569.9 | 11744.3 | 11732.6 | 11370.3 | 10422.6 | 8849.4  | 7531.0  | 7019.4  | 7271.0  | 7380.1  |
| 42.5° | 12187.2 | 12338.1 | 12468.9 | 12450.5 | 11749.4 | 10041.9 | 8451.8  | 7775.9  | 7967.1  | 8092.9  |
| 45°   | 12613.2 | 12774.2 | 13056.0 | 13359.6 | 13025.8 | 11318.3 | 9506.9  | 8673.2  | 8847.7  | 9037.2  |
| 47.5° | 12993.9 | 13176.7 | 13542.4 | 14023.8 | 14109.3 | 12599.8 | 10662.5 | 9718.2  | 9877.5  | 10073.8 |
| 50°   | 13027.5 | 13185.1 | 13752.1 | 14434.7 | 14879.2 | 13830.9 | 11903.7 | 10890.6 | 11039.9 | 11249.5 |
| 52.5° | 12217.3 | 12465.6 | 13455.2 | 14423.0 | 15233.1 | 14860.7 | 13136.5 | 12110.0 | 12277.7 | 12529.3 |
| 55°   | 9483.4  | 9847.3  | 12584.7 | 13973.5 | 15107.3 | 15526.6 | 14308.9 | 13406.5 | 13621.2 | 13884.6 |
| 57.5° | 8168.4  | 8327.7  | 9989.9  | 13154.9 | 14533.7 | 15699.4 | 15298.5 | 14716.5 | 15062.0 | 15350.5 |
| 60°   | 7341.5  | 7474.0  | 8456.9  | 11881.9 | 13778.9 | 15426.0 | 16063.4 | 15937.6 | 16534.7 | 16878.5 |
| 62.5° | 6455.9  | 6581.7  | 7475.7  | 9921.1  | 12812.8 | 14971.4 | 16546.4 | 17064.7 | 18044.2 | 18419.9 |
| 65°   | 5577.0  | 5684.3  | 6541.4  | 8336.1  | 11585.0 | 14516.9 | 16796.3 | 18039.2 | 19441.4 | 19830.5 |
| 67.5° | 4597.4  | 4686.3  | 5496.5  | 7032.9  | 10092.2 | 13894.6 | 16920.4 | 18805.7 | 20657.4 | 20991.2 |
| 70°   | 3317.7  | 3386.4  | 4223.4  | 5561.9  | 8218.7  | 12824.5 | 16870.1 | 19349.2 | 21288.1 | 21554.8 |
| 72.5° | 1568.3  | 1630.3  | 2613.2  | 3611.2  | 5805.1  | 10741.3 | 15852.0 | 18918.1 | 20647.4 | 20514.9 |
| 75°   | 837.0   | 890.6   | 1501.2  | 1980.9  | 3066.1  | 7363.3  | 12972.1 | 16296.5 | 17338.1 | 16694.0 |
| 77.5° | 566.9   | 608.9   | 929.2   | 1189.2  | 1400.5  | 3495.5  | 8337.8  | 11283.1 | 10855.4 | 9792.0  |
| 80°   | 449.5   | 493.1   | 761.5   | 805.1   | 677.6   | 1263.0  | 3445.1  | 5223.1  | 3752.1  | 3000.7  |
| 82.5° | 345.5   | 394.2   | 640.7   | 583.7   | 369.0   | 518.3   | 1003.0  | 1652.1  | 961.1   | 731.3   |
| 85°   | 211.3   | 263.3   | 503.2   | 372.4   | 208.0   | 236.5   | 340.5   | 459.6   | 293.5   | 244.9   |
| 87.5° | 107.3   | 151.0   | 254.9   | 135.9   | 93.9    | 55.4    | 90.6    | 90.6    | 77.2    | 67.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953458  
CATALOG NUMBER: GLAN-SB7A-730-U-T3R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4568.9  | 0°    | 4568.9  | 4568.9 | 4568.9 | 4568.9 | 4568.9 | 4568.9 | 4568.9 | 4568.9 | 4568.9 | 4568.9 |
| 4545.4  | 2.5°  | 4585.7  | 4619.2 | 4676.3 | 4729.9 | 4771.9 | 4812.1 | 4852.4 | 4874.2 | 4880.9 | 4907.7 |
| 4570.6  | 5°    | 4639.4  | 4701.4 | 4812.1 | 4916.1 | 4981.5 | 5021.8 | 5050.3 | 5067.1 | 5070.4 | 5078.8 |
| 4639.4  | 7.5°  | 4738.3  | 4837.3 | 4991.6 | 5095.6 | 5144.2 | 5140.9 | 5129.1 | 5087.2 | 5070.4 | 5055.3 |
| 4740.0  | 10°   | 4877.5  | 5008.4 | 5197.9 | 5270.0 | 5239.8 | 5159.3 | 5055.3 | 4932.9 | 4875.9 | 4820.5 |
| 4877.5  | 12.5° | 5050.3  | 5216.4 | 5402.5 | 5399.2 | 5249.9 | 5043.6 | 4802.1 | 4614.2 | 4495.1 | 4409.6 |
| 5046.9  | 15°   | 5260.0  | 5451.2 | 5593.7 | 5479.7 | 5152.6 | 4781.9 | 4428.0 | 4183.1 | 4075.8 | 3981.9 |
| 5218.0  | 17.5° | 5476.3  | 5681.0 | 5746.4 | 5454.5 | 4907.7 | 4394.5 | 3993.6 | 3800.7 | 3695.1 | 3644.7 |
| 5402.5  | 20°   | 5687.7  | 5890.6 | 5837.0 | 5310.3 | 4535.4 | 3955.0 | 3597.8 | 3492.1 | 3470.3 | 3482.0 |
| 5582.0  | 22.5° | 5910.8  | 6091.9 | 5855.4 | 5031.9 | 4060.7 | 3505.5 | 3309.3 | 3312.6 | 3361.3 | 3396.5 |
| 5769.9  | 25°   | 6138.9  | 6261.3 | 5806.8 | 4629.3 | 3550.8 | 3175.1 | 3126.5 | 3180.1 | 3275.7 | 3344.5 |
| 5981.2  | 27.5° | 6358.6  | 6412.3 | 5701.1 | 4131.2 | 3113.0 | 2938.6 | 2947.0 | 3057.7 | 3201.9 | 3297.5 |
| 6237.8  | 30°   | 6606.8  | 6546.4 | 5498.1 | 3570.9 | 2809.5 | 2735.7 | 2806.1 | 2935.2 | 3079.5 | 3165.0 |
| 6561.5  | 32.5° | 6886.9  | 6662.2 | 5176.1 | 3052.7 | 2594.8 | 2573.0 | 2688.7 | 2772.6 | 2836.3 | 2861.4 |
| 6990.9  | 35°   | 7235.8  | 6824.9 | 4763.5 | 2688.7 | 2401.9 | 2453.9 | 2564.6 | 2522.6 | 2497.5 | 2484.1 |
| 7567.9  | 37.5° | 7688.7  | 7044.6 | 4280.4 | 2452.2 | 2245.9 | 2368.3 | 2413.6 | 2282.8 | 2183.8 | 2135.2 |
| 8267.3  | 40°   | 8233.8  | 7366.6 | 3815.8 | 2269.4 | 2146.9 | 2294.5 | 2215.7 | 2058.0 | 1932.2 | 1863.5 |
| 9054.0  | 42.5° | 8839.3  | 7703.8 | 3425.0 | 2131.8 | 2091.6 | 2234.1 | 2069.8 | 1881.9 | 1679.0 | 1657.2 |
| 9991.6  | 45°   | 9475.0  | 8051.0 | 3158.3 | 2026.2 | 2064.7 | 2182.1 | 1985.9 | 1682.3 | 1538.1 | 1627.0 |
| 10932.5 | 47.5° | 10110.7 | 8369.7 | 2997.3 | 1947.3 | 2051.3 | 2123.4 | 1912.1 | 1571.6 | 1469.3 | 1598.5 |
| 11940.6 | 50°   | 10818.5 | 8654.8 | 2925.2 | 1890.3 | 2036.2 | 2100.0 | 1801.4 | 1543.1 | 1397.2 | 1482.7 |
| 12983.9 | 52.5° | 11521.3 | 8876.2 | 2871.5 | 1833.3 | 2014.4 | 2081.5 | 1747.7 | 1509.6 | 1310.0 | 1315.0 |
| 14033.8 | 55°   | 12222.4 | 9020.4 | 2812.8 | 1757.8 | 1965.8 | 2041.3 | 1742.7 | 1472.7 | 1244.5 | 1221.1 |
| 15144.2 | 57.5° | 12970.4 | 9102.6 | 2740.7 | 1673.9 | 1881.9 | 1938.9 | 1737.7 | 1444.1 | 1224.4 | 1185.8 |
| 16279.7 | 60°   | 13731.9 | 9223.4 | 2646.8 | 1571.6 | 1769.5 | 1816.5 | 1725.9 | 1434.1 | 1212.7 | 1147.3 |
| 17349.8 | 62.5° | 14414.6 | 9265.3 | 2534.4 | 1474.3 | 1625.3 | 1695.7 | 1700.8 | 1425.7 | 1180.8 | 1068.4 |
| 18238.8 | 65°   | 14862.4 | 9084.2 | 2338.1 | 1363.6 | 1469.3 | 1571.6 | 1652.1 | 1397.2 | 1123.8 | 1011.4 |
| 18678.2 | 67.5° | 14844.0 | 8567.6 | 2031.2 | 1221.1 | 1318.3 | 1434.1 | 1581.7 | 1348.5 | 1055.0 | 941.0  |
| 18346.1 | 70°   | 14152.9 | 7547.8 | 1642.1 | 1055.0 | 1152.3 | 1286.5 | 1491.1 | 1276.4 | 972.8  | 863.8  |
| 16313.3 | 72.5° | 12138.5 | 5907.4 | 1192.5 | 860.4  | 959.4  | 1133.8 | 1373.7 | 1189.2 | 889.0  | 795.0  |
| 12056.3 | 75°   | 8671.6  | 3738.7 | 808.5  | 660.9  | 746.4  | 961.1  | 1227.8 | 1086.9 | 811.8  | 798.4  |
| 6038.2  | 77.5° | 4429.7  | 1786.3 | 535.1  | 483.1  | 520.0  | 758.1  | 1031.5 | 971.1  | 823.5  | 659.2  |
| 1717.5  | 80°   | 1440.8  | 659.2  | 337.1  | 328.7  | 345.5  | 504.9  | 798.4  | 796.7  | 623.9  | 447.8  |
| 416.0   | 82.5° | 459.6   | 283.5  | 219.7  | 211.3  | 203.0  | 317.0  | 556.9  | 630.7  | 421.0  | 283.5  |
| 149.3   | 85°   | 182.8   | 169.4  | 129.2  | 119.1  | 85.5   | 149.3  | 291.8  | 419.3  | 313.7  | 204.6  |
| 38.6    | 87.5° | 67.1    | 67.1   | 35.2   | 25.2   | 18.5   | 50.3   | 78.8   | 125.8  | 179.5  | 105.7  |
| 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°   |
|--------|
| 4568.9 |
| 4922.8 |
| 5092.2 |
| 5058.7 |
| 4803.7 |
| 4389.5 |
| 3971.8 |
| 3659.8 |
| 3477.0 |
| 3404.9 |
| 3363.0 |
| 3321.0 |
| 3185.2 |
| 2874.9 |
| 2497.5 |
| 2146.9 |
| 1868.5 |
| 1679.0 |
| 1673.9 |
| 1658.8 |
| 1546.5 |
| 1350.2 |
| 1237.8 |
| 1190.9 |
| 1152.3 |
| 1068.4 |
| 1011.4 |
| 946.0  |
| 873.9  |
| 790.0  |
| 753.1  |
| 587.0  |
| 395.8  |
| 281.8  |
| 209.7  |
| 104.0  |
| 0.0    |