

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: P943539

Luminaire Tested: **GLAN-SB8A-760-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943539  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-760-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37929 lumens  
Efficiency: N/A  
Efficacy: 167.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 227.1  
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

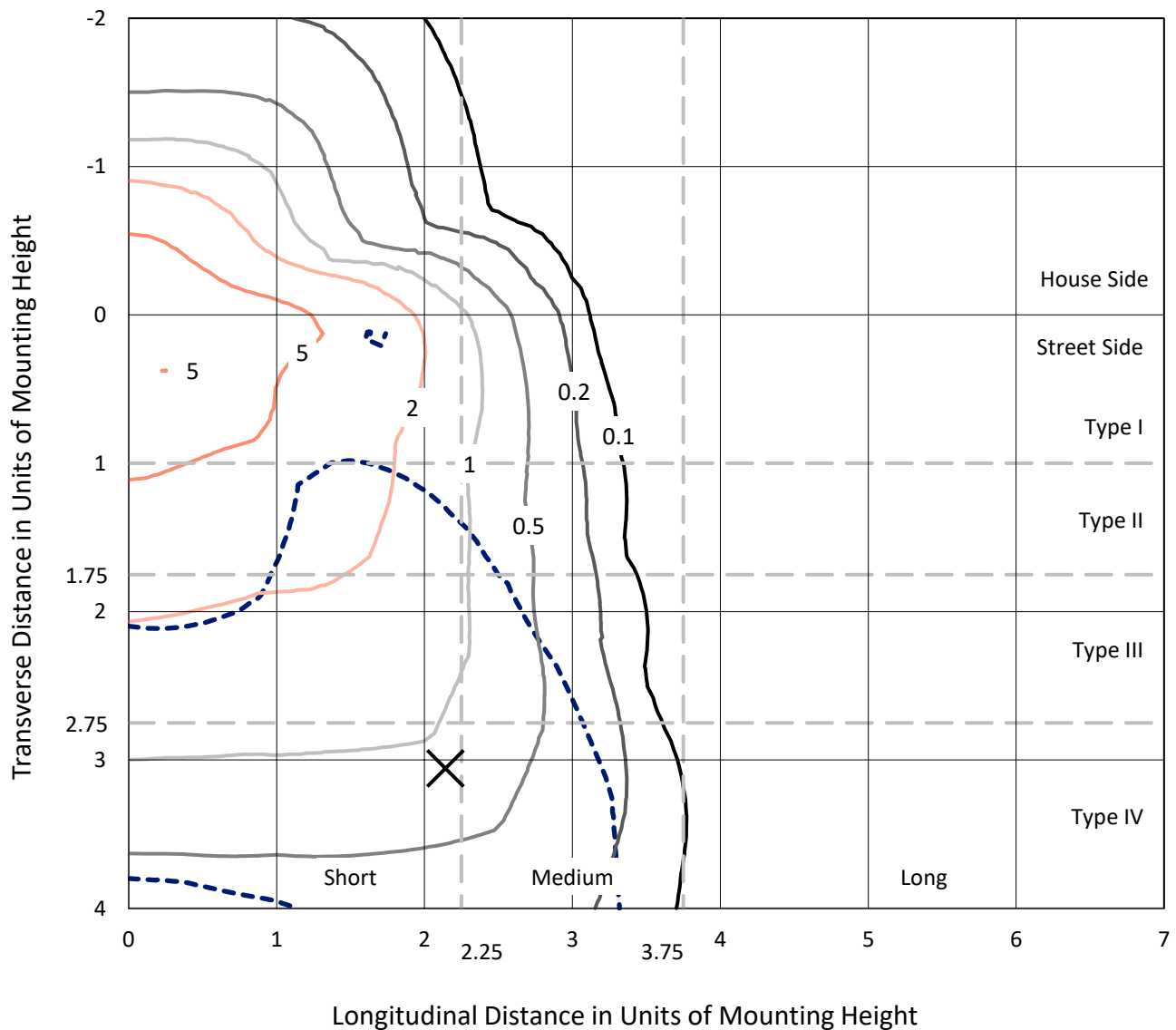


REPORT NUMBER: P943539

CATALOG NUMBER: GLAN-SB8A-760-U-T4FT

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

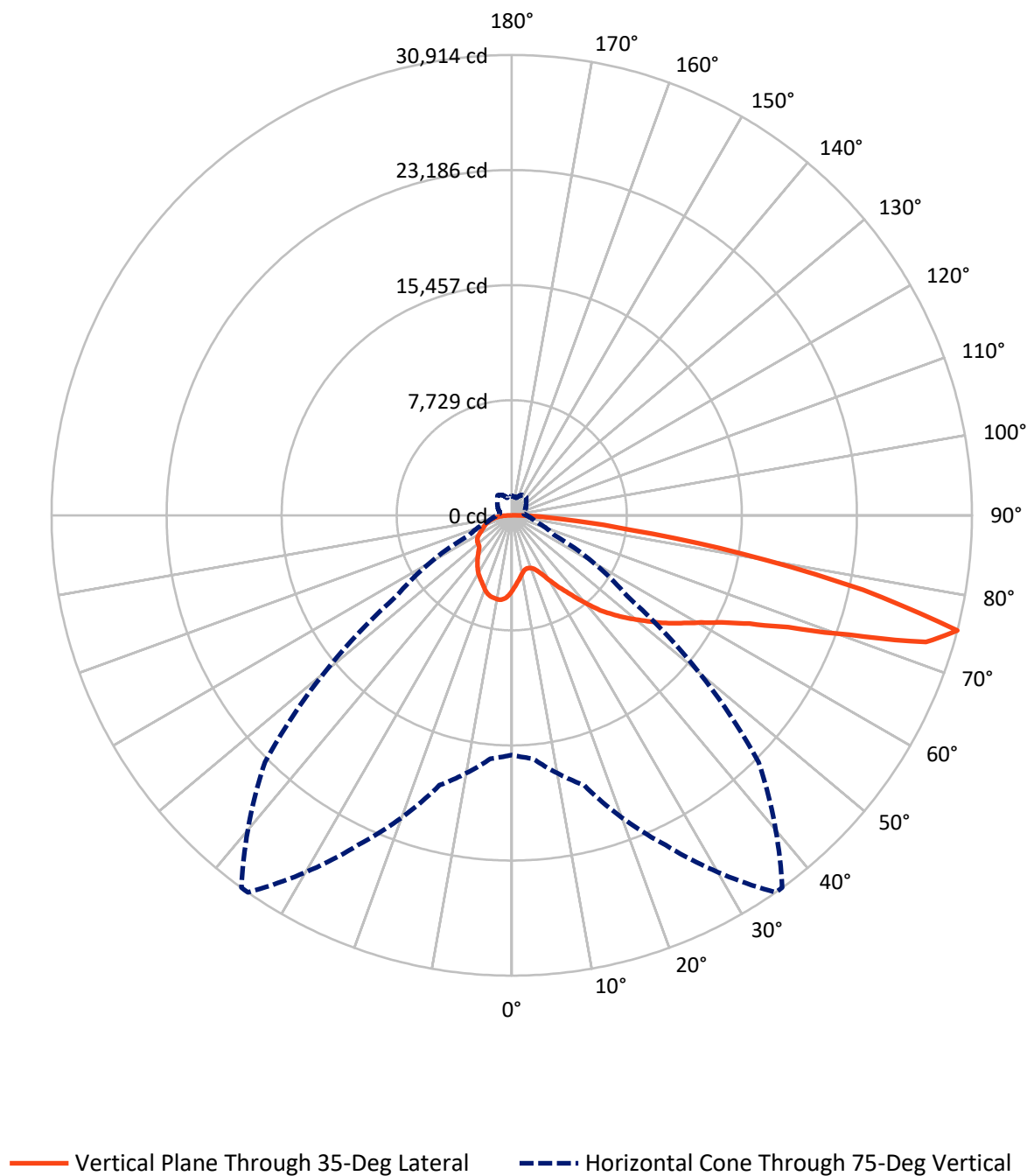


Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
Type IV - Short - N/A

REPORT NUMBER: P943539

CATALOG NUMBER: GLAN-SB8A-760-U-T4FT

## Luminous Intensity Polar Plot



REPORT NUMBER: P943539

CATALOG NUMBER: GLAN-SB8A-760-U-T4FT

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9026.1   | 0.0    | 9026.1  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 28902.8  | 0.0    | 28902.8 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 37929.0  | 0.0    | 37929.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 478.5   | 1.3       |
| 10°-20°   | 1380.3  | 3.6       |
| 20°-30°   | 2317.9  | 6.1       |
| 30°-40°   | 3602.4  | 9.5       |
| 40°-50°   | 5346.9  | 14.1      |
| 50°-60°   | 7381.7  | 19.5      |
| 60°-70°   | 8955.6  | 23.6      |
| 70°-80°   | 7401.2  | 19.5      |
| 80°-90°   | 1064.5  | 2.8       |
| 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°    | 37929.0 | 100.0     |
| 0°-180°   | 37929.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P943539

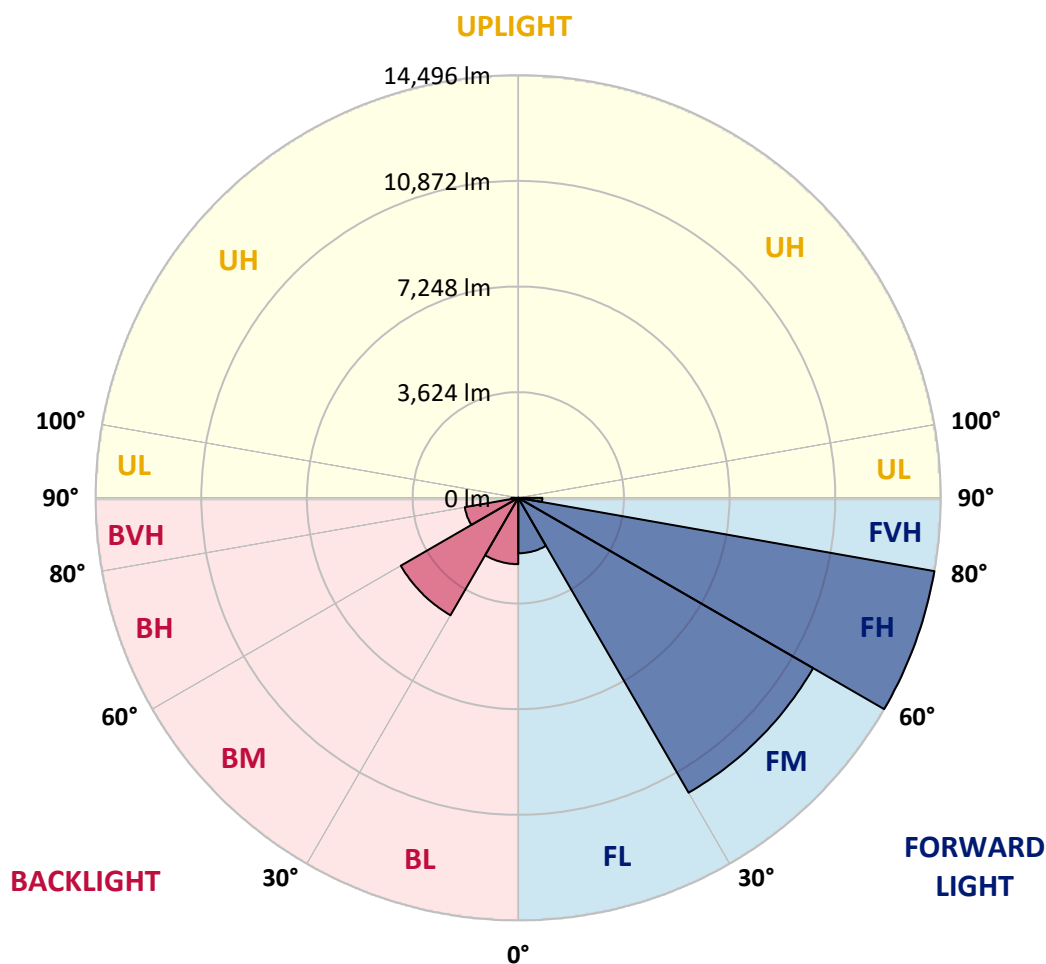
CATALOG NUMBER: GLAN-SB8A-760-U-T4FT

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1902.1  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 11680.1 | 30.8      |                         |      |         |
| FH   | (60°-80°)   | 14495.9 | 38.2      |                         |      | G5      |
| FVH  | (80°-90°)   | 824.8   | 2.2       |                         |      | G5      |
| BL   | (0°-30°)    | 2274.7  | 6.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4650.8  | 12.3      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1860.9  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 239.7   | 0.6       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



REPORT NUMBER: P943539

CATALOG NUMBER: GLAN-SB8A-760-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5054.3  | 5054.3  | 5054.3  | 5054.3  | 5054.3  | 5054.3  | 5054.3  | 5054.3  | 5054.3  | 5054.3  |
| 2.5°  | 4660.6  | 4689.3  | 4701.6  | 4695.5  | 4726.2  | 4722.1  | 4765.2  | 4818.5  | 4892.3  | 4964.1  |
| 5°    | 4301.8  | 4332.5  | 4359.2  | 4383.8  | 4443.3  | 4461.7  | 4529.4  | 4631.9  | 4767.2  | 4904.6  |
| 7.5°  | 3967.6  | 3994.2  | 4035.2  | 4080.3  | 4180.8  | 4199.3  | 4312.0  | 4472.0  | 4660.6  | 4861.6  |
| 10°   | 3694.9  | 3721.5  | 3764.6  | 3815.8  | 3940.9  | 3963.5  | 4107.0  | 4320.2  | 4566.3  | 4820.5  |
| 12.5° | 3578.0  | 3586.2  | 3610.8  | 3662.1  | 3770.7  | 3785.1  | 3943.0  | 4187.0  | 4474.0  | 4789.8  |
| 15°   | 3571.8  | 3588.2  | 3590.3  | 3616.9  | 3707.2  | 3713.3  | 3858.9  | 4100.8  | 4416.6  | 4783.6  |
| 17.5° | 3633.4  | 3645.7  | 3627.2  | 3643.6  | 3719.5  | 3729.7  | 3844.5  | 4059.8  | 4398.2  | 4810.3  |
| 20°   | 3797.4  | 3807.6  | 3752.3  | 3729.7  | 3785.1  | 3793.3  | 3906.1  | 4086.5  | 4416.6  | 4865.7  |
| 22.5° | 4146.0  | 4152.1  | 4016.8  | 3924.5  | 3928.6  | 3932.7  | 4031.1  | 4195.2  | 4488.4  | 4966.1  |
| 25°   | 4689.3  | 4685.2  | 4469.9  | 4291.5  | 4189.0  | 4166.5  | 4232.1  | 4371.5  | 4609.4  | 5099.4  |
| 27.5° | 5325.0  | 5294.2  | 5078.9  | 4812.3  | 4588.8  | 4556.0  | 4541.7  | 4601.2  | 4781.6  | 5275.7  |
| 30°   | 6042.6  | 6013.9  | 5782.2  | 5433.6  | 5124.0  | 5070.7  | 4935.4  | 4904.6  | 5037.9  | 5515.6  |
| 32.5° | 6830.0  | 6811.5  | 6534.7  | 6112.3  | 5698.1  | 5636.6  | 5409.0  | 5327.0  | 5431.6  | 5878.6  |
| 35°   | 7490.2  | 7473.8  | 7244.1  | 6809.5  | 6303.0  | 6227.1  | 5995.4  | 5903.2  | 5956.5  | 6344.0  |
| 37.5° | 8086.9  | 8078.7  | 7881.8  | 7539.4  | 7016.6  | 6924.3  | 6663.9  | 6633.1  | 6622.9  | 6957.1  |
| 40°   | 8640.5  | 8620.0  | 8414.9  | 8234.5  | 7847.0  | 7762.9  | 7533.3  | 7506.6  | 7428.7  | 7711.6  |
| 42.5° | 9253.6  | 9200.3  | 8902.9  | 8818.9  | 8714.3  | 8644.6  | 8507.2  | 8511.3  | 8339.1  | 8562.6  |
| 45°   | 9753.9  | 9723.1  | 9417.6  | 9368.4  | 9481.2  | 9452.5  | 9571.4  | 9602.1  | 9267.9  | 9454.5  |
| 47.5° | 10291.1 | 10262.4 | 10004.0 | 9969.2  | 10274.7 | 10282.9 | 10703.2 | 10713.5 | 10174.2 | 10381.3 |
| 50°   | 10953.4 | 10912.4 | 10656.1 | 10699.1 | 11041.5 | 11072.3 | 11841.2 | 11771.5 | 11008.7 | 11322.4 |
| 52.5° | 11390.1 | 11414.7 | 11359.4 | 11429.1 | 11896.6 | 11925.3 | 12960.7 | 12782.3 | 11835.0 | 12251.3 |
| 55°   | 11712.0 | 11761.2 | 11933.5 | 12093.4 | 12798.7 | 12827.5 | 14016.7 | 13744.0 | 12519.9 | 13112.5 |
| 57.5° | 12126.2 | 12056.5 | 12378.4 | 12690.1 | 13655.8 | 13731.7 | 15044.0 | 14670.8 | 13126.8 | 13854.7 |
| 60°   | 12720.8 | 12671.6 | 12921.8 | 13383.1 | 14615.4 | 14736.4 | 16130.7 | 15505.3 | 13571.8 | 14443.2 |
| 62.5° | 13926.5 | 13803.5 | 13842.4 | 14250.4 | 15825.2 | 15985.1 | 17356.8 | 16233.2 | 13793.2 | 14672.8 |
| 65°   | 15728.8 | 15517.6 | 15320.8 | 15603.7 | 17529.1 | 17687.0 | 18740.9 | 16805.3 | 13711.2 | 14227.9 |
| 67.5° | 17998.6 | 17789.5 | 17547.5 | 17814.1 | 20038.8 | 20163.9 | 20448.9 | 17127.2 | 13065.3 | 12513.7 |
| 70°   | 19870.7 | 19792.7 | 20081.9 | 21178.8 | 24047.4 | 24051.5 | 22638.7 | 16860.6 | 11295.8 | 8872.2  |
| 72.5° | 19622.6 | 19575.4 | 21098.9 | 24490.3 | 29099.6 | 28990.9 | 24711.7 | 14843.0 | 7609.1  | 4002.4  |
| 75°   | 16097.9 | 16403.4 | 18763.4 | 24430.8 | 30914.2 | 30899.9 | 23442.5 | 9436.1  | 3147.4  | 1658.8  |
| 77.5° | 8632.3  | 9116.2  | 12181.6 | 18037.6 | 24133.5 | 24496.4 | 16481.3 | 3301.2  | 1351.2  | 1062.1  |
| 80°   | 2815.2  | 3237.6  | 4855.4  | 9183.9  | 15681.6 | 15614.0 | 7063.7  | 1295.9  | 924.7   | 752.5   |
| 82.5° | 1195.4  | 1244.6  | 2169.3  | 4336.6  | 8047.9  | 7922.8  | 2249.3  | 744.3   | 650.0   | 514.7   |
| 85°   | 467.5   | 522.9   | 957.5   | 2005.3  | 3485.7  | 3409.9  | 812.0   | 369.1   | 416.2   | 336.3   |
| 87.5° | 153.8   | 186.6   | 342.4   | 686.9   | 1084.7  | 1045.7  | 198.9   | 127.1   | 180.4   | 153.8   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P943539

CATALOG NUMBER: GLAN-SB8A-760-U-T4FT

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5054.3  | 0°    | 5054.3  | 5054.3  | 5054.3 | 5054.3 | 5054.3 | 5054.3 | 5054.3 | 5054.3 | 5054.3 | 5054.3 |
| 5068.6  | 2.5°  | 5097.4  | 5130.2  | 5169.1 | 5226.5 | 5275.7 | 5316.8 | 5359.8 | 5386.5 | 5396.7 | 5427.5 |
| 5076.9  | 5°    | 5134.3  | 5206.0  | 5302.4 | 5396.7 | 5489.0 | 5544.3 | 5593.6 | 5618.2 | 5640.7 | 5657.1 |
| 5099.4  | 7.5°  | 5195.8  | 5288.0  | 5439.8 | 5562.8 | 5640.7 | 5685.8 | 5718.6 | 5710.4 | 5718.6 | 5722.7 |
| 5124.0  | 10°   | 5249.1  | 5378.3  | 5558.7 | 5675.6 | 5735.0 | 5737.1 | 5728.9 | 5700.2 | 5685.8 | 5687.9 |
| 5160.9  | 12.5° | 5312.6  | 5456.2  | 5651.0 | 5749.4 | 5765.8 | 5720.7 | 5685.8 | 5636.6 | 5618.2 | 5610.0 |
| 5216.3  | 15°   | 5398.8  | 5562.8  | 5751.4 | 5788.3 | 5747.3 | 5689.9 | 5630.5 | 5550.5 | 5509.5 | 5476.7 |
| 5310.6  | 17.5° | 5503.3  | 5683.8  | 5829.4 | 5802.7 | 5714.5 | 5620.2 | 5523.8 | 5402.9 | 5318.8 | 5283.9 |
| 5439.8  | 20°   | 5648.9  | 5810.9  | 5888.8 | 5771.9 | 5638.7 | 5495.1 | 5331.1 | 5183.5 | 5105.6 | 5070.7 |
| 5603.8  | 22.5° | 5825.3  | 5981.1  | 5946.2 | 5718.6 | 5530.0 | 5300.3 | 5095.3 | 4986.6 | 4947.7 | 4923.1 |
| 5815.0  | 25°   | 6036.4  | 6169.7  | 5987.2 | 5640.7 | 5351.6 | 5042.0 | 4884.1 | 4849.3 | 4830.8 | 4812.3 |
| 6073.4  | 27.5° | 6311.2  | 6383.0  | 6018.0 | 5525.9 | 5072.7 | 4767.2 | 4709.8 | 4716.0 | 4709.8 | 4679.1 |
| 6432.2  | 30°   | 6674.1  | 6659.8  | 6046.7 | 5339.3 | 4752.9 | 4519.1 | 4523.2 | 4549.9 | 4554.0 | 4533.5 |
| 6932.5  | 32.5° | 7151.9  | 7006.3  | 6061.1 | 5097.4 | 4447.4 | 4301.8 | 4305.9 | 4334.6 | 4355.1 | 4320.2 |
| 7586.6  | 35°   | 7730.1  | 7410.2  | 6038.5 | 4793.9 | 4211.6 | 4094.7 | 4063.9 | 4072.1 | 4078.3 | 4045.5 |
| 8380.1  | 37.5° | 8404.7  | 7863.4  | 5938.0 | 4457.6 | 4016.8 | 3891.7 | 3826.1 | 3770.7 | 3737.9 | 3707.2 |
| 9278.2  | 40°   | 9144.9  | 8357.5  | 5753.5 | 4129.6 | 3799.4 | 3676.4 | 3578.0 | 3473.4 | 3362.7 | 3321.7 |
| 10229.6 | 42.5° | 9920.0  | 8866.0  | 5530.0 | 3815.8 | 3549.3 | 3448.8 | 3344.2 | 3192.5 | 3026.4 | 2942.4 |
| 11217.9 | 45°   | 10723.7 | 9386.8  | 5310.6 | 3506.2 | 3293.0 | 3249.9 | 3128.9 | 2946.5 | 2766.0 | 2659.4 |
| 12208.2 | 47.5° | 11511.1 | 9878.9  | 4988.7 | 3194.6 | 3053.1 | 3100.2 | 3005.9 | 2837.8 | 2636.8 | 2468.7 |
| 13190.4 | 50°   | 12263.6 | 10340.3 | 4461.7 | 2878.8 | 2858.3 | 3055.1 | 2964.9 | 2723.0 | 2493.3 | 2278.0 |
| 14154.1 | 52.5° | 13009.9 | 10713.5 | 3787.1 | 2591.7 | 2753.7 | 3042.8 | 2911.6 | 2645.0 | 2364.1 | 2138.6 |
| 15060.4 | 55°   | 13643.5 | 10906.2 | 3137.1 | 2345.7 | 2602.0 | 2938.3 | 2848.0 | 2552.8 | 2181.7 | 1941.8 |
| 15681.6 | 57.5° | 14004.4 | 10750.4 | 2595.8 | 2103.7 | 2392.8 | 2766.0 | 2739.4 | 2355.9 | 1964.3 | 1779.8 |
| 15802.6 | 60°   | 13848.6 | 10118.8 | 2152.9 | 1892.5 | 2194.0 | 2579.4 | 2550.7 | 2161.1 | 1798.2 | 1623.9 |
| 15154.7 | 62.5° | 12989.4 | 8915.2  | 1802.3 | 1708.0 | 2013.5 | 2388.7 | 2362.1 | 2011.5 | 1671.1 | 1503.0 |
| 13434.4 | 65°   | 11258.9 | 7252.4  | 1529.6 | 1554.2 | 1831.0 | 2159.1 | 2198.1 | 1886.4 | 1570.6 | 1406.6 |
| 10393.6 | 67.5° | 8587.2  | 5253.2  | 1316.4 | 1420.9 | 1652.6 | 1933.6 | 2046.3 | 1796.2 | 1486.6 | 1330.7 |
| 6013.9  | 70°   | 4894.4  | 2983.4  | 1135.9 | 1291.8 | 1494.8 | 1724.4 | 1929.4 | 1724.4 | 1396.3 | 1267.2 |
| 2253.4  | 72.5° | 1855.6  | 1369.7  | 982.2  | 1162.6 | 1343.0 | 1548.1 | 1800.3 | 1611.6 | 1291.8 | 1195.4 |
| 1164.6  | 75°   | 990.4   | 834.5   | 826.3  | 1010.9 | 1168.7 | 1375.8 | 1638.3 | 1500.9 | 1213.9 | 1263.1 |
| 805.8   | 77.5° | 674.6   | 590.5   | 691.0  | 865.3  | 978.1  | 1185.1 | 1466.1 | 1332.8 | 1051.9 | 1047.8 |
| 557.7   | 80°   | 467.5   | 418.3   | 561.8  | 697.1  | 756.6  | 996.5  | 1279.5 | 1144.1 | 857.1  | 799.7  |
| 344.5   | 82.5° | 280.9   | 272.7   | 420.3  | 520.8  | 535.2  | 768.9  | 1060.1 | 959.6  | 701.2  | 611.0  |
| 205.0   | 85°   | 153.8   | 162.0   | 268.6  | 305.5  | 311.7  | 537.2  | 830.4  | 742.3  | 539.3  | 453.1  |
| 73.8    | 87.5° | 43.1    | 55.4    | 98.4   | 121.0  | 149.7  | 278.9  | 494.2  | 440.8  | 270.7  | 188.6  |
| 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°   |
|--------|
| 5054.3 |
| 5425.4 |
| 5661.2 |
| 5728.9 |
| 5692.0 |
| 5605.9 |
| 5486.9 |
| 5286.0 |
| 5066.6 |
| 4927.2 |
| 4812.3 |
| 4685.2 |
| 4543.7 |
| 4336.6 |
| 4068.0 |
| 3727.7 |
| 3340.1 |
| 2952.6 |
| 2651.2 |
| 2450.3 |
| 2259.6 |
| 2114.0 |
| 1921.2 |
| 1755.2 |
| 1599.3 |
| 1476.3 |
| 1379.9 |
| 1306.1 |
| 1250.8 |
| 1179.0 |
| 1304.1 |
| 965.7  |
| 764.8  |
| 615.1  |
| 457.2  |
| 188.6  |
| 0.0    |