

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: P318184

Luminaire Tested: **GAN-SA0D-760-U-T2**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P318184  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0D-760-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 75364 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

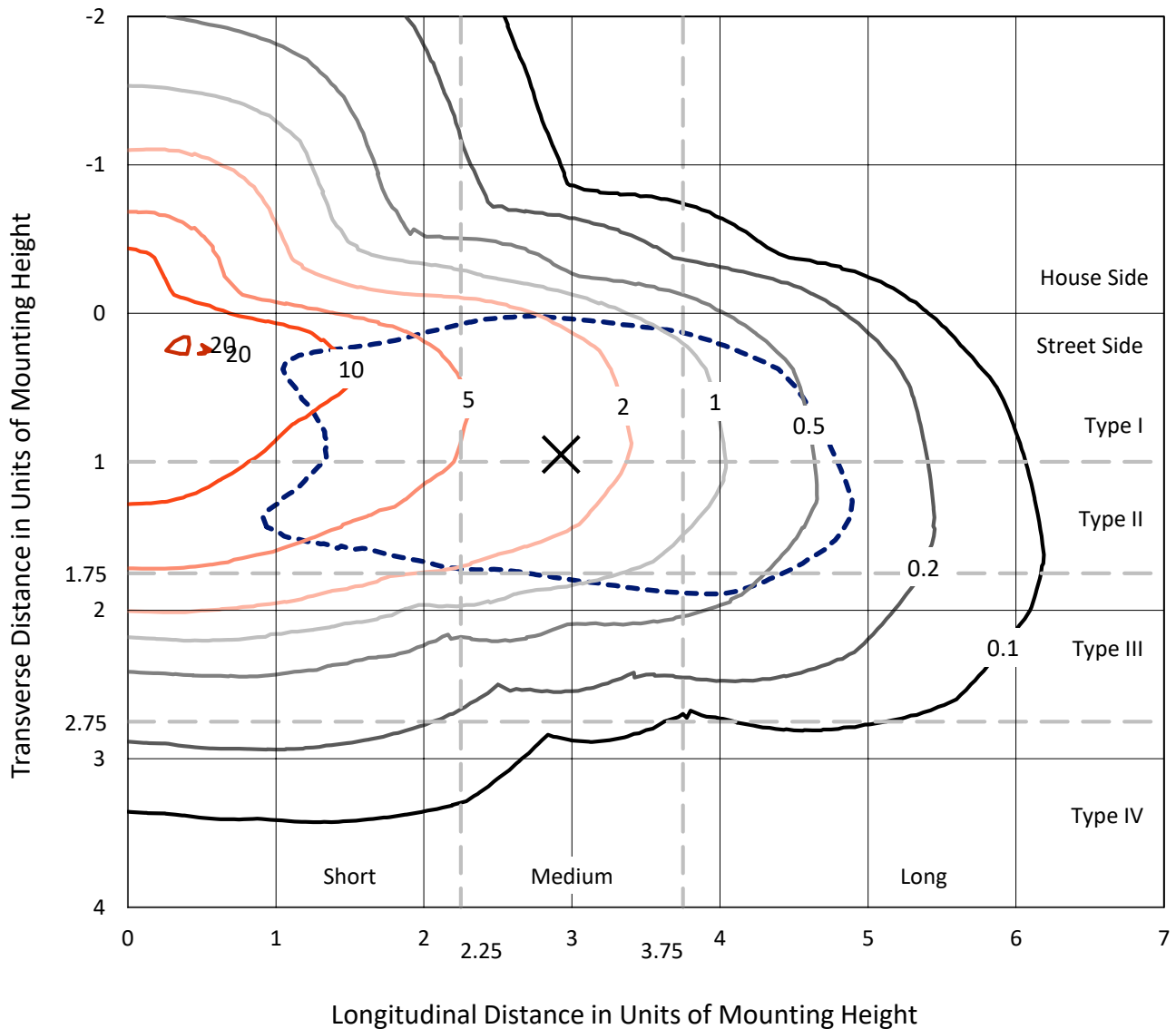
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P318184  
CATALOG NUMBER: GAN-SA0D-760-U-T2

## Iso-Footcandle Lines of Horizontal Illumination

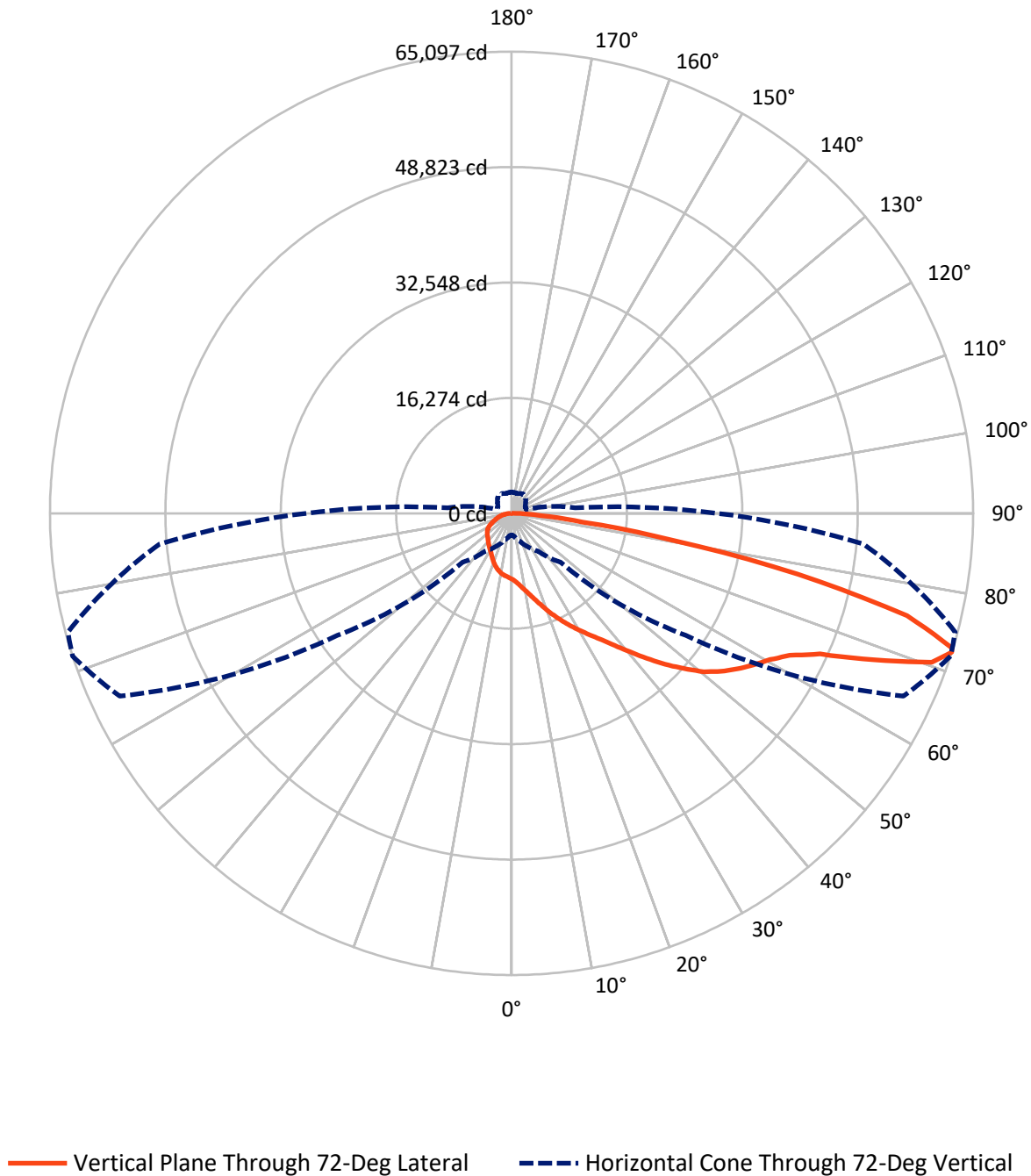
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.5 fc  
Type III - Medium - N/A

REPORT NUMBER: P318184  
CATALOG NUMBER: GAN-SA0D-760-U-T2

## Luminous Intensity Polar Plot



REPORT NUMBER: P318184

CATALOG NUMBER: GAN-SA0D-760-U-T2

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13980.5  | 0.0    | 13980.5 |
|                    | % Fixture | 18.6     | 0.0    | 18.6    |
| <b>Street Side</b> | Lumens    | 61383.5  | 0.0    | 61383.5 |
|                    | % Fixture | 81.4     | 0.0    | 81.4    |
| <b>Total</b>       | Lumens    | 75364.0  | 0.0    | 75364.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 929.0   | 1.2       |
| 10°-20°   | 3002.3  | 4.0       |
| 20°-30°   | 5260.9  | 7.0       |
| 30°-40°   | 7800.3  | 10.4      |
| 40°-50°   | 11408.5 | 15.1      |
| 50°-60°   | 15698.0 | 20.8      |
| 60°-70°   | 17476.6 | 23.2      |
| 70°-80°   | 11842.1 | 15.7      |
| 80°-90°   | 1946.4  | 2.6       |
| 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°    | 75364.0 | 100.0     |
| 0°-180°   | 75364.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P318184

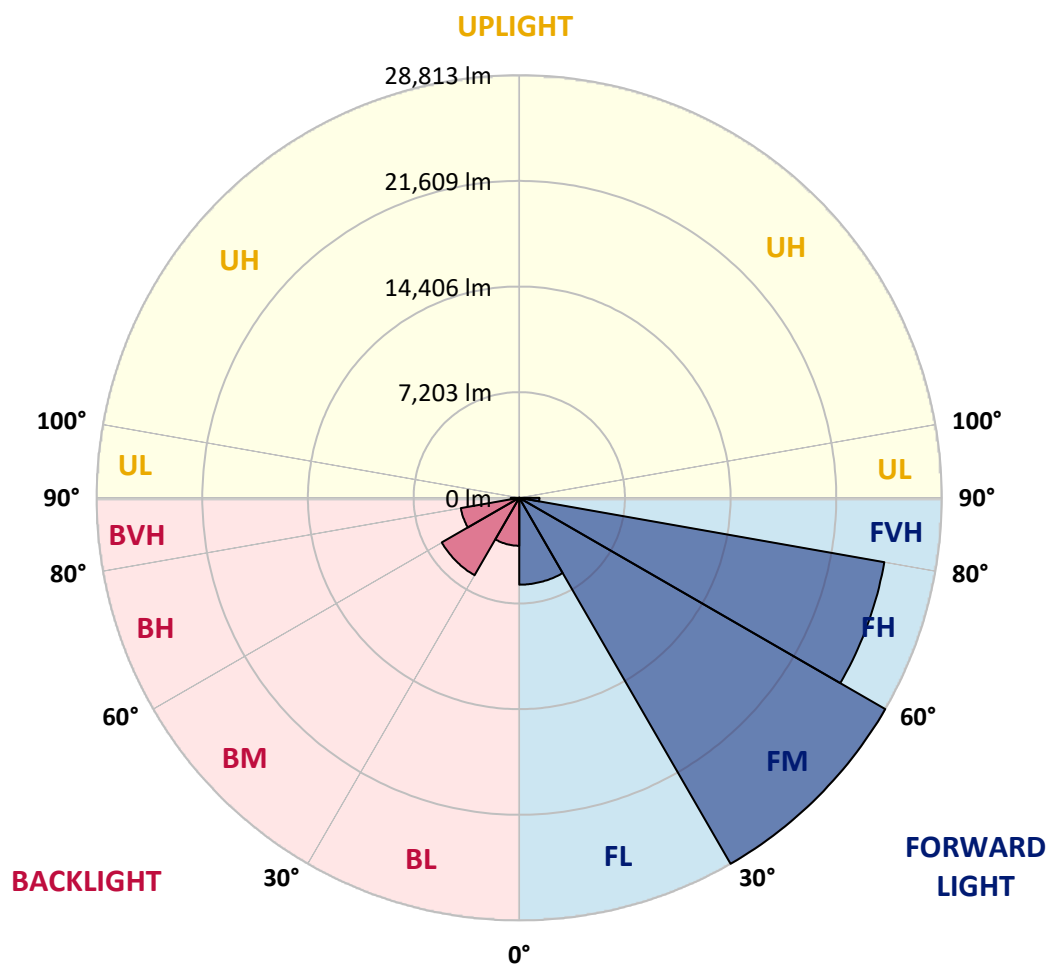
CATALOG NUMBER: GAN-SA0D-760-U-T2

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5924.1  | 7.9       |                         |      |         |
| FM   | (30°-60°)   | 28812.6 | 38.2      |                         |      |         |
| FH   | (60°-80°)   | 25273.9 | 33.5      |                         |      | G5      |
| FVH  | (80°-90°)   | 1372.9  | 1.8       |                         |      | G5      |
| BL   | (0°-30°)    | 3268.1  | 4.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 6094.2  | 8.1       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4044.8  | 5.4       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 573.4   | 0.8       |                         |      | G4/750  |
| 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: P318184

CATALOG NUMBER: GAN-SA0D-760-U-T2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 72°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9271.7  | 9271.7  | 9271.7  | 9271.7  | 9271.7  | 9271.7  | 9271.7  | 9271.7  | 9271.7  | 9271.7  | 9271.7  |
| 2.5°  | 10242.2 | 10226.7 | 10172.2 | 10172.2 | 10068.4 | 9980.2  | 9814.1  | 9702.5  | 9570.2  | 9523.4  | 9367.8  |
| 5°    | 11233.5 | 11238.7 | 11171.2 | 11124.5 | 10971.4 | 10784.6 | 10501.7 | 10244.8 | 9987.9  | 9884.1  | 9565.0  |
| 7.5°  | 12066.5 | 12056.1 | 12037.9 | 11999.0 | 11856.3 | 11664.3 | 11282.8 | 10901.4 | 10522.5 | 10366.8 | 9816.7  |
| 10°   | 12601.1 | 12624.4 | 12640.0 | 12658.1 | 12598.5 | 12460.9 | 12100.2 | 11635.7 | 11140.1 | 10927.3 | 10117.7 |
| 12.5° | 12870.9 | 12912.4 | 12985.1 | 13109.7 | 13208.3 | 13192.7 | 12930.6 | 12437.6 | 11848.5 | 11581.2 | 10494.0 |
| 15°   | 13029.2 | 13083.7 | 13197.9 | 13421.1 | 13698.7 | 13857.0 | 13786.9 | 13340.6 | 12684.1 | 12354.5 | 10953.3 |
| 17.5° | 13127.8 | 13171.9 | 13348.4 | 13646.8 | 14059.4 | 14479.8 | 14664.0 | 14290.4 | 13628.7 | 13252.4 | 11480.0 |
| 20°   | 13195.3 | 13229.0 | 13449.6 | 13799.9 | 14334.5 | 15004.0 | 15517.8 | 15424.4 | 14669.2 | 14181.4 | 12030.2 |
| 22.5° | 13345.8 | 13374.3 | 13584.5 | 13937.4 | 14529.1 | 15393.2 | 16340.4 | 16480.5 | 15766.9 | 15214.2 | 12619.2 |
| 25°   | 13766.2 | 13766.2 | 13942.6 | 14189.2 | 14744.5 | 15730.6 | 17035.8 | 17656.0 | 16887.9 | 16244.4 | 13164.2 |
| 27.5° | 14568.0 | 14560.2 | 14625.1 | 14710.7 | 15131.1 | 16073.1 | 17656.0 | 18694.0 | 18050.4 | 17347.2 | 13693.5 |
| 30°   | 15517.8 | 15569.7 | 15577.5 | 15535.9 | 15733.2 | 16501.3 | 18229.5 | 19789.0 | 19220.8 | 18463.0 | 14235.9 |
| 32.5° | 16740.0 | 16773.7 | 16734.8 | 16597.3 | 16568.7 | 17108.5 | 18792.6 | 20936.0 | 20487.1 | 19628.2 | 14731.5 |
| 35°   | 18291.8 | 18226.9 | 18104.9 | 17824.7 | 17557.4 | 17920.7 | 19436.1 | 22083.0 | 21909.1 | 21037.2 | 15414.0 |
| 37.5° | 19955.1 | 19957.7 | 19807.2 | 19171.5 | 18803.0 | 18958.7 | 20323.6 | 23383.0 | 23629.6 | 22713.6 | 16288.5 |
| 40°   | 21288.9 | 21359.0 | 21452.4 | 20616.8 | 20139.4 | 20354.7 | 21452.4 | 24890.7 | 25664.0 | 24701.3 | 17427.6 |
| 42.5° | 22220.5 | 22301.0 | 22565.6 | 22041.5 | 21545.8 | 21945.4 | 22781.0 | 26499.6 | 27947.6 | 26995.2 | 18761.5 |
| 45°   | 23206.6 | 23250.7 | 23437.5 | 23211.8 | 22895.2 | 23795.6 | 24278.3 | 28165.5 | 30363.5 | 29439.6 | 20253.5 |
| 47.5° | 24244.6 | 24291.3 | 24483.3 | 24332.8 | 24166.7 | 25523.9 | 25840.5 | 29735.5 | 32678.1 | 32125.4 | 21846.8 |
| 50°   | 25526.5 | 25557.6 | 25739.3 | 25466.8 | 25518.7 | 26826.5 | 27236.5 | 31175.7 | 35104.4 | 34538.7 | 23445.3 |
| 52.5° | 27275.5 | 27283.3 | 27535.0 | 27288.4 | 27044.5 | 27781.5 | 28438.0 | 32532.8 | 37006.5 | 36739.2 | 25043.8 |
| 55°   | 28645.6 | 28728.6 | 29553.8 | 29501.9 | 29361.8 | 28648.2 | 29442.2 | 33825.1 | 38703.6 | 38830.8 | 26740.9 |
| 57.5° | 27771.1 | 28095.5 | 29766.6 | 30944.7 | 32091.7 | 30804.6 | 30799.4 | 35280.9 | 40281.3 | 40883.4 | 28606.7 |
| 60°   | 24322.4 | 24763.6 | 27226.2 | 29839.3 | 33428.1 | 34556.9 | 33617.5 | 37058.4 | 41874.6 | 42917.8 | 30944.7 |
| 62.5° | 17370.6 | 18097.1 | 21434.2 | 25606.9 | 31596.0 | 37042.8 | 39352.3 | 39879.1 | 44041.4 | 45274.0 | 33983.4 |
| 65°   | 8781.3  | 9331.4  | 12128.8 | 17155.2 | 25243.6 | 35418.4 | 45585.4 | 46055.1 | 47806.7 | 48901.7 | 38662.1 |
| 67.5° | 5335.2  | 5542.8  | 6907.7  | 9541.6  | 15476.3 | 27589.5 | 47619.8 | 56349.2 | 55093.3 | 55674.5 | 45333.7 |
| 70°   | 3931.3  | 4084.4  | 4935.6  | 6336.9  | 8900.7  | 16189.9 | 41376.4 | 63695.5 | 62870.3 | 62805.5 | 50264.1 |
| 72°   | 3062.0  | 3173.6  | 3926.2  | 5119.8  | 6508.1  | 9712.9  | 29989.8 | 60983.8 | 65096.8 | 64769.8 | 49812.6 |
| 72.5° | 2903.7  | 3002.4  | 3687.4  | 4818.8  | 6150.0  | 8804.6  | 26964.1 | 59154.4 | 64935.9 | 64788.0 | 49228.7 |
| 75°   | 2286.1  | 2356.2  | 2729.9  | 3726.3  | 4813.6  | 4995.3  | 14775.6 | 45842.3 | 57605.2 | 60000.3 | 44277.5 |
| 77.5° | 1891.7  | 1902.1  | 2099.3  | 2711.7  | 3752.3  | 3531.7  | 7258.1  | 31806.2 | 41249.2 | 43883.1 | 31365.1 |
| 80°   | 1541.4  | 1554.4  | 1647.8  | 1902.1  | 2838.9  | 2613.1  | 3446.1  | 18289.2 | 23095.0 | 23123.6 | 14915.7 |
| 82.5° | 1227.4  | 1230.0  | 1333.8  | 1390.9  | 2039.6  | 1868.4  | 1974.8  | 8586.7  | 10091.7 | 9707.7  | 5361.2  |
| 85°   | 864.1   | 846.0   | 1302.7  | 1141.8  | 1333.8  | 1198.9  | 1089.9  | 3399.4  | 4172.7  | 3991.0  | 1678.9  |
| 87.5° | 288.0   | 298.4   | 578.7   | 739.6   | 778.5   | 679.9   | 485.3   | 1302.7  | 1575.1  | 1562.2  | 532.0   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P318184

CATALOG NUMBER: GAN-SA0D-760-U-T2

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9271.7  | 9271.7  | 9271.7 | 9271.7 | 9271.7 | 9271.7 | 9271.7 | 9271.7 | 9271.7 | 9271.7 | 9271.7 |
| 2.5°  | 9318.4  | 9235.4  | 9113.4 | 8978.5 | 8872.1 | 8763.1 | 8682.7 | 8641.2 | 8594.5 | 8555.5 | 8602.2 |
| 5°    | 9417.1  | 9261.4  | 9001.9 | 8747.6 | 8560.7 | 8394.6 | 8275.3 | 8213.0 | 8155.9 | 8117.0 | 8122.2 |
| 7.5°  | 9577.9  | 9326.2  | 8890.3 | 8519.2 | 8259.7 | 8080.7 | 7958.7 | 7917.2 | 7880.8 | 7870.5 | 7883.4 |
| 10°   | 9749.2  | 9378.1  | 8742.4 | 8249.3 | 7953.5 | 7805.6 | 7751.1 | 7779.6 | 7805.6 | 7828.9 | 7854.9 |
| 12.5° | 9943.8  | 9424.8  | 8527.0 | 7932.7 | 7681.0 | 7623.9 | 7678.4 | 7803.0 | 7893.8 | 7948.3 | 7982.1 |
| 15°   | 10198.1 | 9466.4  | 8277.9 | 7616.2 | 7447.5 | 7512.4 | 7696.6 | 7912.0 | 8070.3 | 8171.5 | 8187.1 |
| 17.5° | 10431.7 | 9463.8  | 7958.7 | 7297.0 | 7258.1 | 7447.5 | 7725.2 | 8028.8 | 8241.5 | 8384.3 | 8412.8 |
| 20°   | 10673.0 | 9393.7  | 7587.6 | 6985.6 | 7066.0 | 7377.4 | 7738.1 | 8104.0 | 8360.9 | 8527.0 | 8565.9 |
| 22.5° | 10898.8 | 9271.7  | 7180.2 | 6702.7 | 6905.1 | 7284.0 | 7688.8 | 8059.9 | 8316.8 | 8451.7 | 8493.3 |
| 25°   | 11051.9 | 9059.0  | 6767.6 | 6464.0 | 6762.4 | 7169.8 | 7527.9 | 7826.4 | 8018.4 | 8085.8 | 8096.2 |
| 27.5° | 11129.7 | 8781.3  | 6378.4 | 6256.4 | 6614.5 | 6983.0 | 7229.5 | 7377.4 | 7431.9 | 7426.7 | 7416.4 |
| 30°   | 11140.1 | 8415.4  | 6043.6 | 6087.7 | 6443.2 | 6707.9 | 6824.7 | 6796.2 | 6726.1 | 6606.7 | 6617.1 |
| 32.5° | 11106.4 | 8002.8  | 5763.4 | 5926.9 | 6225.3 | 6373.2 | 6378.4 | 6240.8 | 6054.0 | 5864.6 | 5812.7 |
| 35°   | 11116.7 | 7598.0  | 5516.9 | 5745.2 | 5960.6 | 6025.5 | 5965.8 | 5763.4 | 5509.1 | 5265.1 | 5213.2 |
| 37.5° | 11230.9 | 7245.1  | 5304.1 | 5535.0 | 5667.4 | 5682.9 | 5597.3 | 5384.5 | 5197.7 | 4958.9 | 4938.2 |
| 40°   | 11503.4 | 6993.4  | 5101.7 | 5298.9 | 5374.1 | 5381.9 | 5260.0 | 5109.4 | 5125.0 | 4997.9 | 4995.3 |
| 42.5° | 11993.8 | 6884.4  | 4922.6 | 5052.4 | 5099.1 | 5114.6 | 5021.2 | 4925.2 | 5060.1 | 4977.1 | 4948.6 |
| 45°   | 12627.0 | 6910.3  | 4772.1 | 4811.0 | 4896.7 | 4969.3 | 4912.2 | 4795.5 | 4847.4 | 4486.7 | 4367.3 |
| 47.5° | 13358.8 | 7076.4  | 4652.7 | 4603.4 | 4751.3 | 4888.9 | 4800.6 | 4624.2 | 4440.0 | 4081.8 | 4014.4 |
| 50°   | 14215.1 | 7333.3  | 4543.7 | 4398.4 | 4593.1 | 4779.9 | 4691.7 | 4440.0 | 4162.3 | 3988.4 | 3965.1 |
| 52.5° | 15107.8 | 7647.3  | 4434.8 | 4172.7 | 4393.2 | 4696.9 | 4652.7 | 4398.4 | 4055.9 | 3884.6 | 3853.5 |
| 55°   | 16119.8 | 7963.9  | 4297.2 | 3910.6 | 4177.9 | 4657.9 | 4634.6 | 4247.9 | 3975.5 | 3879.4 | 3856.1 |
| 57.5° | 17378.3 | 8324.6  | 4115.6 | 3638.1 | 3975.5 | 4517.8 | 4445.1 | 4157.1 | 3892.4 | 3819.8 | 3812.0 |
| 60°   | 19018.4 | 8856.5  | 3853.5 | 3347.5 | 3728.9 | 4302.4 | 4286.8 | 4024.8 | 3760.1 | 3708.2 | 3697.8 |
| 62.5° | 21478.4 | 9736.2  | 3492.8 | 3056.8 | 3453.9 | 3936.5 | 4079.3 | 3845.7 | 3619.9 | 3617.4 | 3622.5 |
| 65°   | 25292.9 | 11059.7 | 3101.0 | 2802.5 | 3176.2 | 3627.7 | 3837.9 | 3661.5 | 3477.2 | 3529.1 | 3536.9 |
| 67.5° | 29714.7 | 12157.3 | 2716.9 | 2553.4 | 2893.4 | 3334.5 | 3619.9 | 3477.2 | 3287.8 | 3422.7 | 3425.3 |
| 70°   | 31186.0 | 11176.4 | 2379.6 | 2306.9 | 2600.1 | 3051.7 | 3383.8 | 3274.8 | 3082.8 | 3217.7 | 3204.8 |
| 72°   | 29021.9 | 9022.6  | 2161.6 | 2120.1 | 2379.6 | 2818.1 | 3173.6 | 3085.4 | 2896.0 | 2986.8 | 2953.0 |
| 72.5° | 28339.4 | 8602.2  | 2107.1 | 2073.4 | 2319.9 | 2758.4 | 3119.1 | 3038.7 | 2849.2 | 2927.1 | 2896.0 |
| 75°   | 25280.0 | 7470.8  | 1811.3 | 1819.1 | 2024.1 | 2467.8 | 2812.9 | 2787.0 | 2592.3 | 2600.1 | 2589.8 |
| 77.5° | 18335.9 | 5477.9  | 1525.8 | 1577.7 | 1723.0 | 2169.4 | 2504.1 | 2488.6 | 2275.8 | 2236.8 | 2229.1 |
| 80°   | 8508.8  | 2794.8  | 1243.0 | 1266.3 | 1416.8 | 1813.9 | 2135.6 | 2114.9 | 1943.6 | 1894.3 | 1865.8 |
| 82.5° | 2914.1  | 1328.6  | 934.2  | 949.7  | 1097.7 | 1461.0 | 1852.8 | 1839.8 | 1697.1 | 1601.1 | 1541.4 |
| 85°   | 1040.6  | 661.7   | 653.9  | 638.4  | 783.7  | 1149.6 | 1614.1 | 1544.0 | 1333.8 | 1136.6 | 1131.4 |
| 87.5° | 337.3   | 282.8   | 337.3  | 334.7  | 456.7  | 778.5  | 1172.9 | 999.1  | 967.9  | 804.4  | 788.9  |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)