

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: P320076

Luminaire Tested: **GAN-SA2B-760-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2B-760-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11110 lumens  
Efficiency: N/A  
Efficacy: 130.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 85  
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



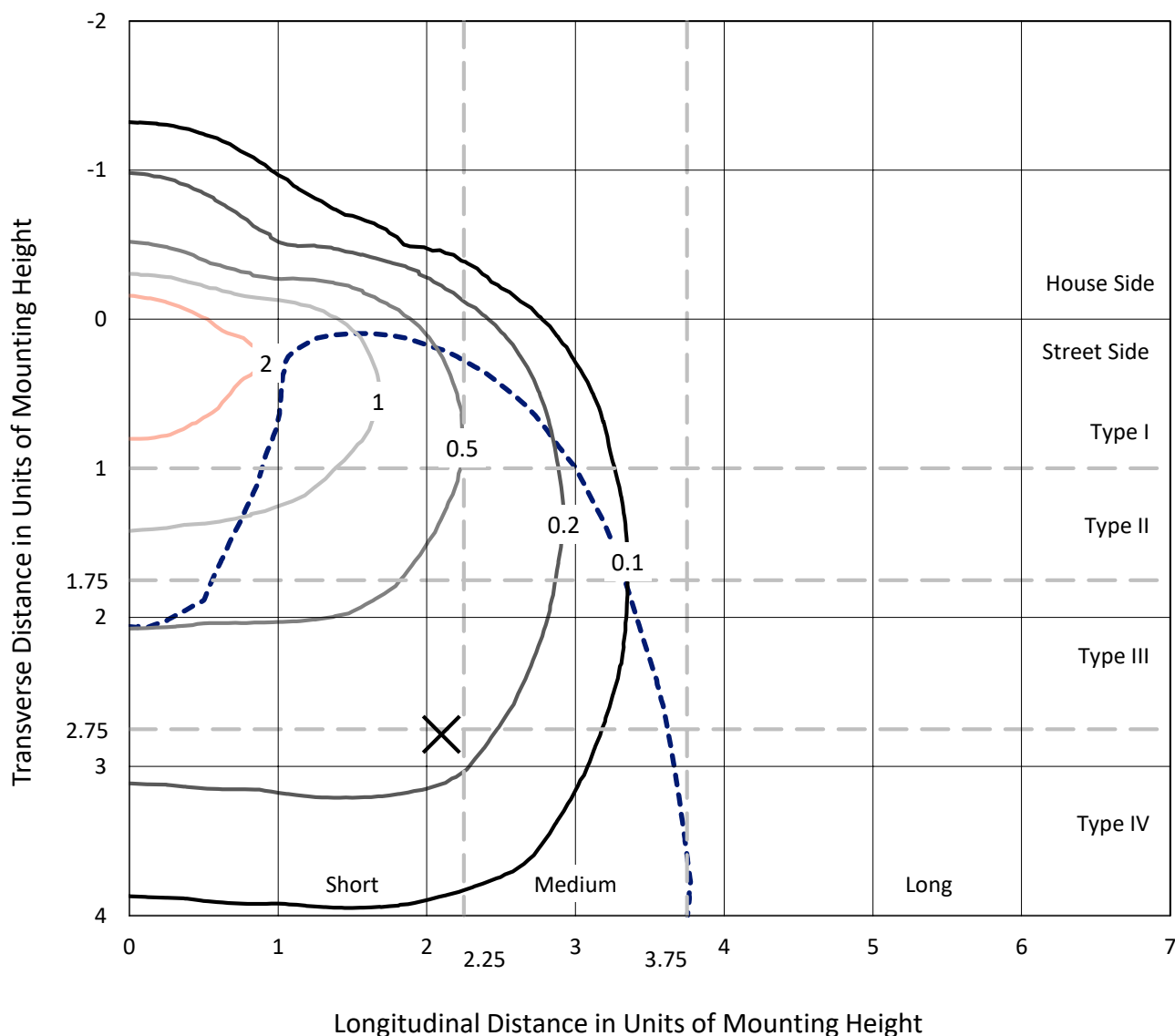
REPORT NUMBER: P320076

CATALOG NUMBER: GAN-SA2B-760-U-SL4

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

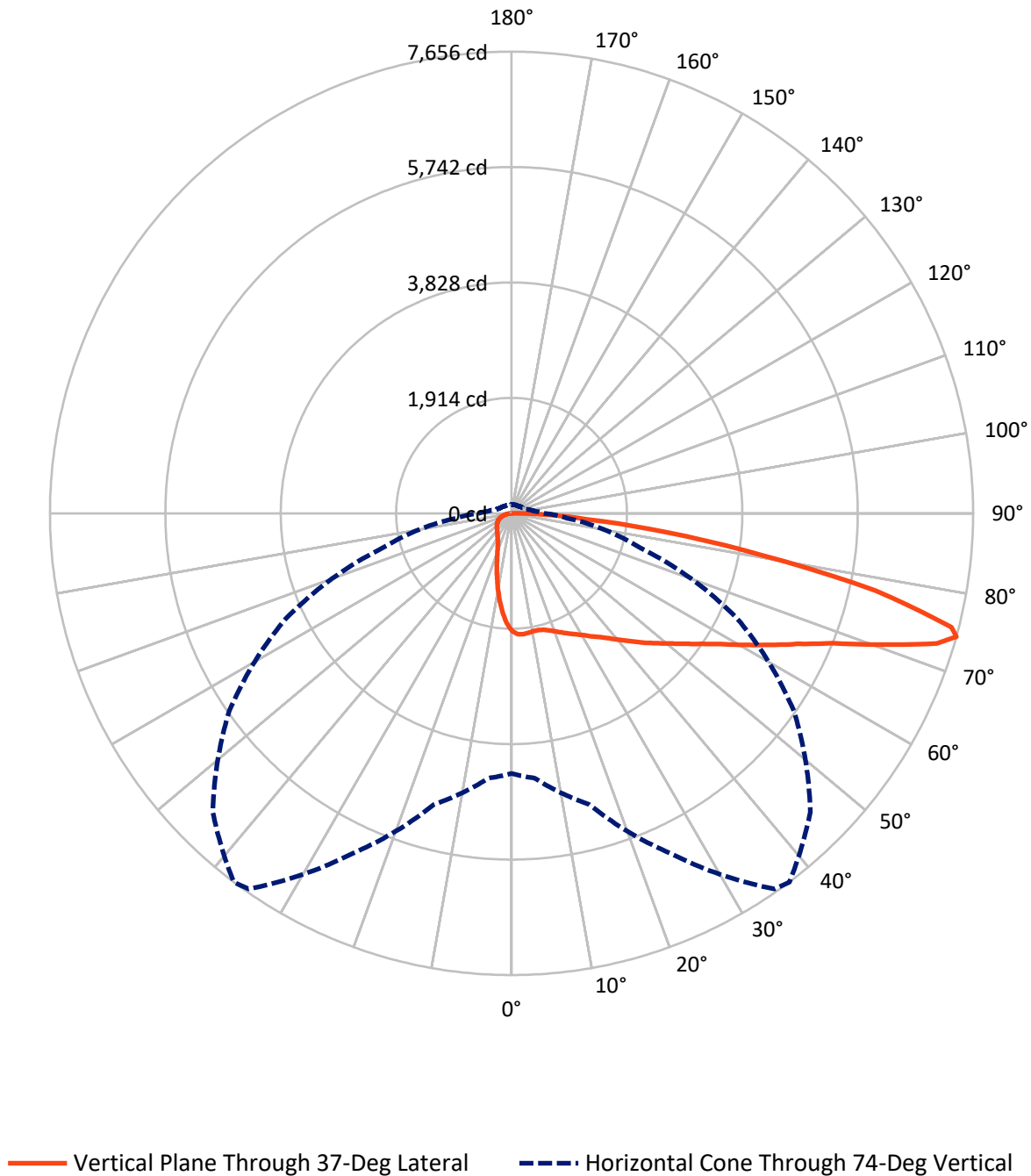


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc

Type IV - Short - N/A

REPORT NUMBER: P320076  
CATALOG NUMBER: GAN-SA2B-760-U-SL4

## Luminous Intensity Polar Plot



REPORT NUMBER: P320076

CATALOG NUMBER: GAN-SA2B-760-U-SL4

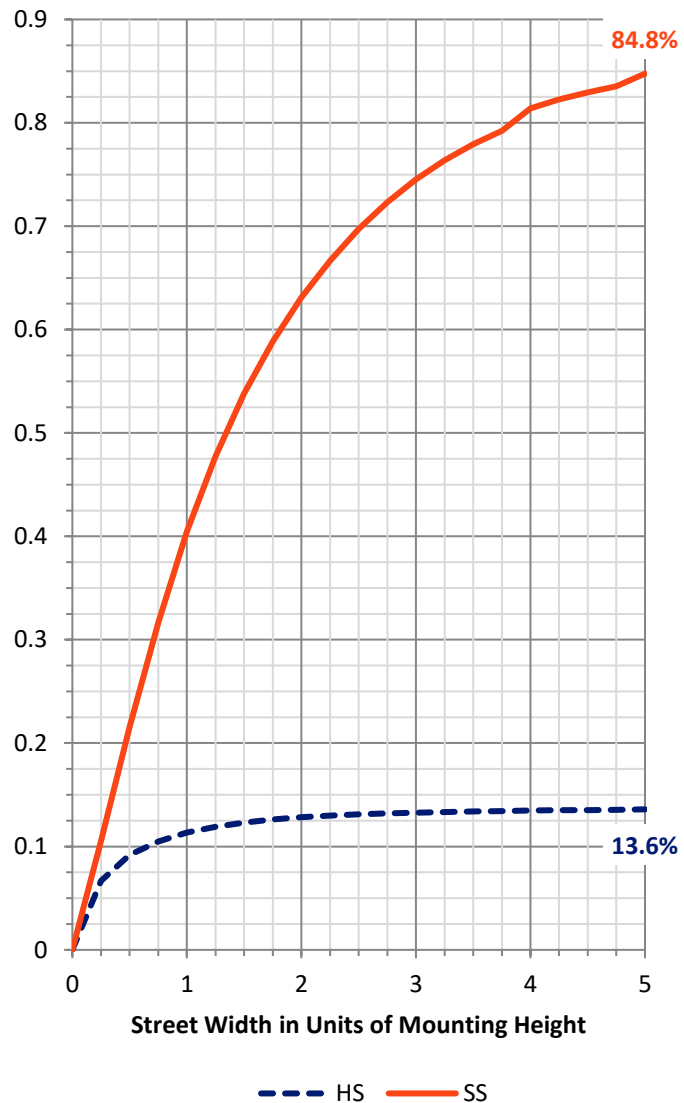
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1528.7   | 0.0    | 1528.7  |
|                    | % Fixture | 13.8     | 0.0    | 13.8    |
| <b>Street Side</b> | Lumens    | 9581.3   | 0.0    | 9581.3  |
|                    | % Fixture | 86.2     | 0.0    | 86.2    |
| <b>Total</b>       | Lumens    | 11110.0  | 0.0    | 11110.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 172.4   | 1.6       |
| 10°-20°   | 441.9   | 4.0       |
| 20°-30°   | 680.8   | 6.1       |
| 30°-40°   | 990.0   | 8.9       |
| 40°-50°   | 1457.1  | 13.1      |
| 50°-60°   | 2046.3  | 18.4      |
| 60°-70°   | 2590.0  | 23.3      |
| 70°-80°   | 2280.6  | 20.5      |
| 80°-90°   | 450.9   | 4.1       |
| 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°    | 11110.0 | 100.0     |
| 0°-180°   | 11110.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P320076

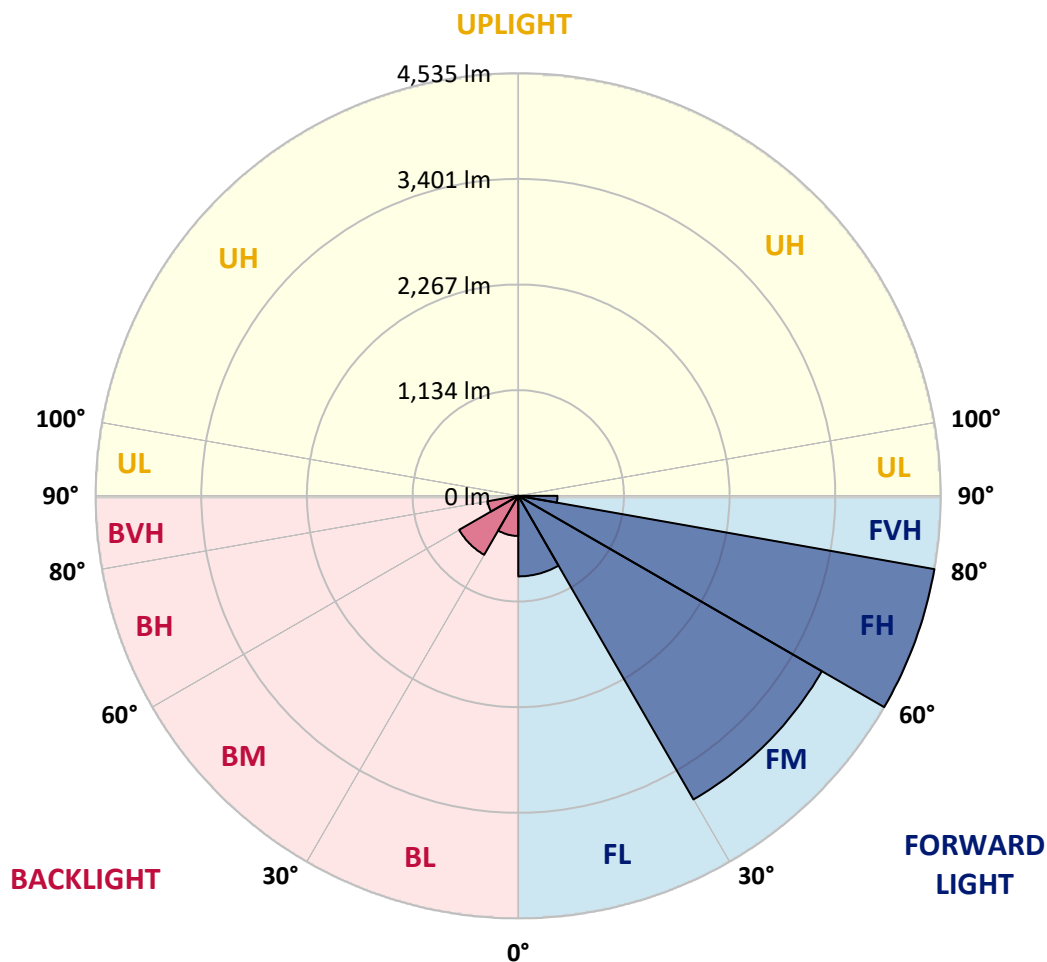
CATALOG NUMBER: GAN-SA2B-760-U-SL4

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 864.5  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 3761.9 | 33.9      |                         |      |         |
| FH   | (60°-80°)   | 4534.5 | 40.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 420.4  | 3.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 430.6  | 3.9       | B1/500                  |      |         |
| BM   | (30°-60°)   | 731.5  | 6.6       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 336.0  | 3.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 30.5   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short





REPORT NUMBER: P320076

CATALOG NUMBER: GAN-SA2B-760-U-SL4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 37°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 |
| 2.5°  | 2024.5 | 2024.9 | 2024.5 | 2021.3 | 2013.9 | 2007.6 | 2002.5 | 1995.1 | 1978.7 | 1966.1 | 1947.4 |
| 5°    | 2043.6 | 2041.3 | 2039.7 | 2033.9 | 2022.1 | 2015.1 | 2005.3 | 1991.2 | 1964.2 | 1939.1 | 1908.6 |
| 7.5°  | 2034.6 | 2031.9 | 2028.4 | 2021.3 | 2008.0 | 2002.2 | 1988.5 | 1970.1 | 1937.6 | 1904.7 | 1860.9 |
| 10°   | 2006.8 | 2006.1 | 2004.5 | 2002.9 | 1991.6 | 1986.9 | 1974.4 | 1954.8 | 1922.7 | 1882.8 | 1831.5 |
| 12.5° | 1975.9 | 1977.9 | 1984.2 | 1992.4 | 1987.3 | 1984.9 | 1977.1 | 1963.8 | 1930.9 | 1887.9 | 1826.0 |
| 15°   | 1956.4 | 1961.8 | 1978.7 | 2000.2 | 2004.5 | 2003.7 | 2001.8 | 1993.2 | 1958.3 | 1910.6 | 1838.6 |
| 17.5° | 1949.7 | 1958.7 | 1990.8 | 2026.4 | 2038.9 | 2041.7 | 2042.5 | 2027.6 | 1988.8 | 1938.4 | 1851.5 |
| 20°   | 1961.8 | 1973.2 | 2020.2 | 2069.1 | 2089.0 | 2090.6 | 2087.1 | 2061.2 | 2017.8 | 1962.2 | 1858.5 |
| 22.5° | 1998.6 | 2008.8 | 2067.5 | 2122.7 | 2145.4 | 2147.7 | 2137.2 | 2098.0 | 2048.3 | 1990.4 | 1868.3 |
| 25°   | 2069.5 | 2082.0 | 2140.7 | 2195.9 | 2207.6 | 2208.0 | 2192.7 | 2144.2 | 2088.3 | 2029.9 | 1889.4 |
| 27.5° | 2161.8 | 2174.3 | 2227.2 | 2281.2 | 2274.9 | 2271.4 | 2250.7 | 2202.1 | 2140.3 | 2084.3 | 1927.0 |
| 30°   | 2264.7 | 2278.4 | 2328.5 | 2366.9 | 2352.0 | 2345.0 | 2328.1 | 2265.5 | 2212.7 | 2158.7 | 1984.5 |
| 32.5° | 2371.2 | 2383.7 | 2427.6 | 2453.8 | 2435.0 | 2431.9 | 2406.4 | 2349.3 | 2307.0 | 2272.2 | 2077.7 |
| 35°   | 2480.4 | 2489.4 | 2532.4 | 2547.3 | 2522.3 | 2521.5 | 2514.4 | 2462.0 | 2435.4 | 2451.8 | 2213.1 |
| 37.5° | 2591.9 | 2594.3 | 2631.1 | 2631.8 | 2624.4 | 2627.5 | 2635.0 | 2602.1 | 2609.5 | 2660.8 | 2389.2 |
| 40°   | 2691.3 | 2697.6 | 2724.2 | 2732.4 | 2745.3 | 2756.3 | 2793.5 | 2771.9 | 2829.5 | 2920.3 | 2608.4 |
| 42.5° | 2764.9 | 2777.0 | 2819.7 | 2840.8 | 2882.7 | 2899.9 | 2952.4 | 2972.3 | 3088.2 | 3224.3 | 2869.0 |
| 45°   | 2827.1 | 2845.9 | 2914.4 | 2957.8 | 3028.7 | 3058.8 | 3133.9 | 3200.9 | 3380.5 | 3554.3 | 3143.3 |
| 47.5° | 2894.4 | 2918.3 | 3004.0 | 3087.0 | 3183.3 | 3217.3 | 3353.9 | 3454.1 | 3692.4 | 3886.1 | 3402.0 |
| 50°   | 2993.4 | 3011.8 | 3095.6 | 3225.9 | 3346.1 | 3389.9 | 3578.9 | 3722.5 | 4009.4 | 4202.3 | 3626.3 |
| 52.5° | 3131.6 | 3124.5 | 3195.4 | 3378.1 | 3539.4 | 3593.4 | 3819.2 | 4008.2 | 4330.7 | 4488.4 | 3815.7 |
| 55°   | 3270.5 | 3258.8 | 3308.5 | 3537.4 | 3764.8 | 3821.5 | 4083.8 | 4295.1 | 4636.3 | 4745.9 | 3960.9 |
| 57.5° | 3425.1 | 3402.8 | 3444.7 | 3717.1 | 4021.5 | 4089.2 | 4380.0 | 4599.9 | 4936.9 | 4954.1 | 4053.2 |
| 60°   | 3584.4 | 3554.3 | 3601.2 | 3939.7 | 4347.5 | 4427.4 | 4726.7 | 4897.4 | 5220.2 | 5120.8 | 4083.0 |
| 62.5° | 3723.7 | 3702.6 | 3775.0 | 4188.2 | 4715.0 | 4802.7 | 5067.2 | 5213.6 | 5499.7 | 5190.1 | 3975.7 |
| 65°   | 3845.4 | 3848.9 | 3974.2 | 4467.7 | 5124.7 | 5218.3 | 5457.8 | 5603.4 | 5719.6 | 5149.0 | 3724.9 |
| 67.5° | 3990.6 | 4010.6 | 4224.2 | 4835.5 | 5640.5 | 5743.1 | 6026.0 | 6028.4 | 5842.5 | 4907.9 | 3231.0 |
| 70°   | 4202.3 | 4243.4 | 4568.2 | 5345.9 | 6373.9 | 6514.8 | 6733.2 | 6278.1 | 5669.9 | 4254.4 | 2542.2 |
| 72.5° | 4390.2 | 4466.9 | 4934.2 | 5929.8 | 7267.8 | 7374.6 | 7146.9 | 6134.0 | 4948.6 | 3188.3 | 1583.8 |
| 74°   | 4313.9 | 4409.0 | 5000.7 | 6217.4 | 7604.3 | 7655.6 | 7007.1 | 5713.7 | 4126.0 | 2208.0 | 920.5  |
| 75°   | 4149.5 | 4252.8 | 4903.6 | 6214.7 | 7561.7 | 7533.1 | 6669.8 | 5233.5 | 3398.1 | 1505.9 | 612.5  |
| 77.5° | 3348.8 | 3458.0 | 4131.9 | 5326.3 | 6200.2 | 6173.2 | 5123.6 | 3510.8 | 1488.3 | 493.9  | 311.1  |
| 80°   | 1947.0 | 2030.3 | 2564.9 | 3382.4 | 4180.8 | 4229.7 | 3369.5 | 1737.2 | 585.5  | 277.5  | 210.9  |
| 82.5° | 864.9  | 922.4  | 1239.0 | 1726.6 | 2523.0 | 2586.0 | 1764.6 | 910.3  | 361.6  | 168.7  | 126.8  |
| 85°   | 567.5  | 610.1  | 752.2  | 822.2  | 1201.4 | 1244.5 | 863.7  | 708.7  | 238.7  | 92.8   | 93.1   |
| 87.5° | 408.2  | 449.3  | 558.8  | 488.0  | 551.4  | 522.1  | 470.0  | 655.9  | 95.9   | 52.8   | 31.3   |
| 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: P320076

CATALOG NUMBER: GAN-SA2B-760-U-SL4

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 | 1957.5 |
| 2.5°  | 1939.1 | 1932.9 | 1918.8 | 1892.2 | 1877.3 | 1864.8 | 1844.0 | 1831.9 | 1826.4 | 1826.0 | 1828.4 |
| 5°    | 1891.0 | 1876.5 | 1840.1 | 1795.5 | 1759.9 | 1727.4 | 1687.1 | 1662.9 | 1645.6 | 1635.5 | 1638.2 |
| 7.5°  | 1835.0 | 1812.3 | 1755.2 | 1684.0 | 1626.8 | 1563.8 | 1501.6 | 1464.4 | 1435.5 | 1414.0 | 1417.9 |
| 10°   | 1796.7 | 1765.4 | 1682.0 | 1579.5 | 1484.4 | 1392.8 | 1307.1 | 1255.8 | 1215.1 | 1183.8 | 1186.2 |
| 12.5° | 1783.8 | 1741.5 | 1626.1 | 1489.1 | 1355.6 | 1230.4 | 1118.5 | 1039.8 | 997.9  | 962.3  | 965.1  |
| 15°   | 1785.7 | 1729.0 | 1579.1 | 1407.7 | 1239.8 | 1082.1 | 946.3  | 854.3  | 797.6  | 772.9  | 773.3  |
| 17.5° | 1787.3 | 1714.5 | 1529.8 | 1320.4 | 1125.1 | 943.5  | 796.0  | 702.9  | 649.3  | 626.6  | 626.9  |
| 20°   | 1782.2 | 1691.0 | 1468.7 | 1220.2 | 1005.4 | 816.4  | 673.5  | 594.5  | 553.8  | 536.2  | 536.2  |
| 22.5° | 1775.6 | 1663.2 | 1399.9 | 1119.7 | 887.2  | 706.0  | 585.9  | 525.6  | 502.1  | 490.4  | 490.0  |
| 25°   | 1778.7 | 1642.5 | 1329.4 | 1016.3 | 778.4  | 617.9  | 527.5  | 487.6  | 472.0  | 464.5  | 464.1  |
| 27.5° | 1795.5 | 1632.7 | 1264.5 | 913.4  | 683.3  | 551.8  | 488.4  | 460.2  | 450.1  | 445.4  | 445.4  |
| 30°   | 1826.0 | 1632.7 | 1196.8 | 825.8  | 604.2  | 502.9  | 458.3  | 439.1  | 432.1  | 428.9  | 428.9  |
| 32.5° | 1879.3 | 1641.7 | 1131.4 | 738.9  | 541.2  | 464.5  | 433.2  | 420.3  | 414.8  | 413.3  | 413.3  |
| 35°   | 1970.8 | 1672.2 | 1067.6 | 656.7  | 490.4  | 433.2  | 409.4  | 401.9  | 398.0  | 397.6  | 398.8  |
| 37.5° | 2099.6 | 1734.5 | 1007.7 | 596.0  | 454.4  | 407.8  | 389.4  | 383.5  | 381.2  | 383.1  | 384.7  |
| 40°   | 2261.6 | 1819.0 | 953.3  | 541.2  | 427.0  | 387.4  | 371.0  | 367.1  | 365.9  | 368.7  | 371.0  |
| 42.5° | 2457.3 | 1933.3 | 908.7  | 501.7  | 405.8  | 370.2  | 355.3  | 350.7  | 349.5  | 352.6  | 355.7  |
| 45°   | 2669.0 | 2056.2 | 877.4  | 472.4  | 389.4  | 357.3  | 341.6  | 336.6  | 334.2  | 335.8  | 339.3  |
| 47.5° | 2861.6 | 2172.4 | 864.9  | 451.6  | 373.7  | 346.3  | 329.5  | 323.3  | 319.3  | 318.6  | 321.3  |
| 50°   | 3024.0 | 2258.9 | 870.8  | 439.1  | 361.2  | 334.2  | 317.8  | 310.7  | 304.9  | 301.3  | 303.3  |
| 52.5° | 3142.2 | 2313.3 | 876.2  | 433.6  | 351.4  | 320.9  | 304.9  | 298.2  | 290.4  | 284.5  | 284.5  |
| 55°   | 3227.9 | 2325.8 | 864.1  | 429.3  | 344.0  | 306.4  | 290.4  | 284.1  | 276.3  | 269.6  | 268.9  |
| 57.5° | 3261.5 | 2290.6 | 819.1  | 423.1  | 338.9  | 292.7  | 275.1  | 270.4  | 263.8  | 255.9  | 255.6  |
| 60°   | 3216.1 | 2181.8 | 732.2  | 409.7  | 332.3  | 281.4  | 259.9  | 256.7  | 253.6  | 246.2  | 245.8  |
| 62.5° | 3033.8 | 1943.1 | 619.9  | 382.7  | 319.0  | 269.2  | 245.8  | 247.3  | 247.7  | 242.6  | 241.9  |
| 65°   | 2703.1 | 1615.1 | 510.3  | 347.5  | 299.0  | 254.8  | 231.3  | 238.7  | 243.0  | 242.2  | 241.1  |
| 67.5° | 2222.5 | 1257.0 | 432.4  | 310.3  | 272.8  | 234.8  | 215.6  | 224.2  | 227.8  | 230.5  | 229.7  |
| 70°   | 1649.5 | 886.4  | 357.7  | 271.2  | 241.1  | 211.3  | 195.3  | 199.6  | 197.2  | 200.4  | 201.5  |
| 72.5° | 919.7  | 531.8  | 291.6  | 232.1  | 208.2  | 183.9  | 172.6  | 171.8  | 166.7  | 166.7  | 166.7  |
| 74°   | 551.8  | 390.2  | 256.3  | 207.8  | 188.2  | 165.9  | 156.1  | 152.6  | 147.9  | 148.3  | 147.9  |
| 75°   | 443.8  | 335.4  | 235.2  | 191.8  | 174.2  | 155.4  | 145.6  | 140.9  | 137.4  | 137.4  | 137.0  |
| 77.5° | 280.2  | 254.8  | 189.4  | 152.6  | 139.3  | 128.0  | 121.3  | 115.1  | 115.1  | 114.7  | 114.3  |
| 80°   | 211.7  | 202.7  | 147.5  | 115.4  | 106.8  | 98.2   | 93.9   | 91.2   | 91.2   | 92.4   | 92.0   |
| 82.5° | 145.2  | 152.6  | 103.7  | 80.6   | 76.3   | 70.1   | 69.3   | 69.7   | 68.5   | 66.9   | 66.5   |
| 85°   | 106.1  | 114.7  | 70.1   | 50.9   | 46.6   | 42.7   | 45.8   | 47.4   | 45.4   | 41.9   | 40.3   |
| 87.5° | 40.7   | 75.1   | 37.6   | 21.1   | 19.6   | 16.8   | 19.6   | 20.4   | 21.9   | 17.2   | 17.6   |
| 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)