

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: P324391

Luminaire Tested: **GAN-SA7A-727-U-SLR-HSS**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P324391  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7A-727-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 20434 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

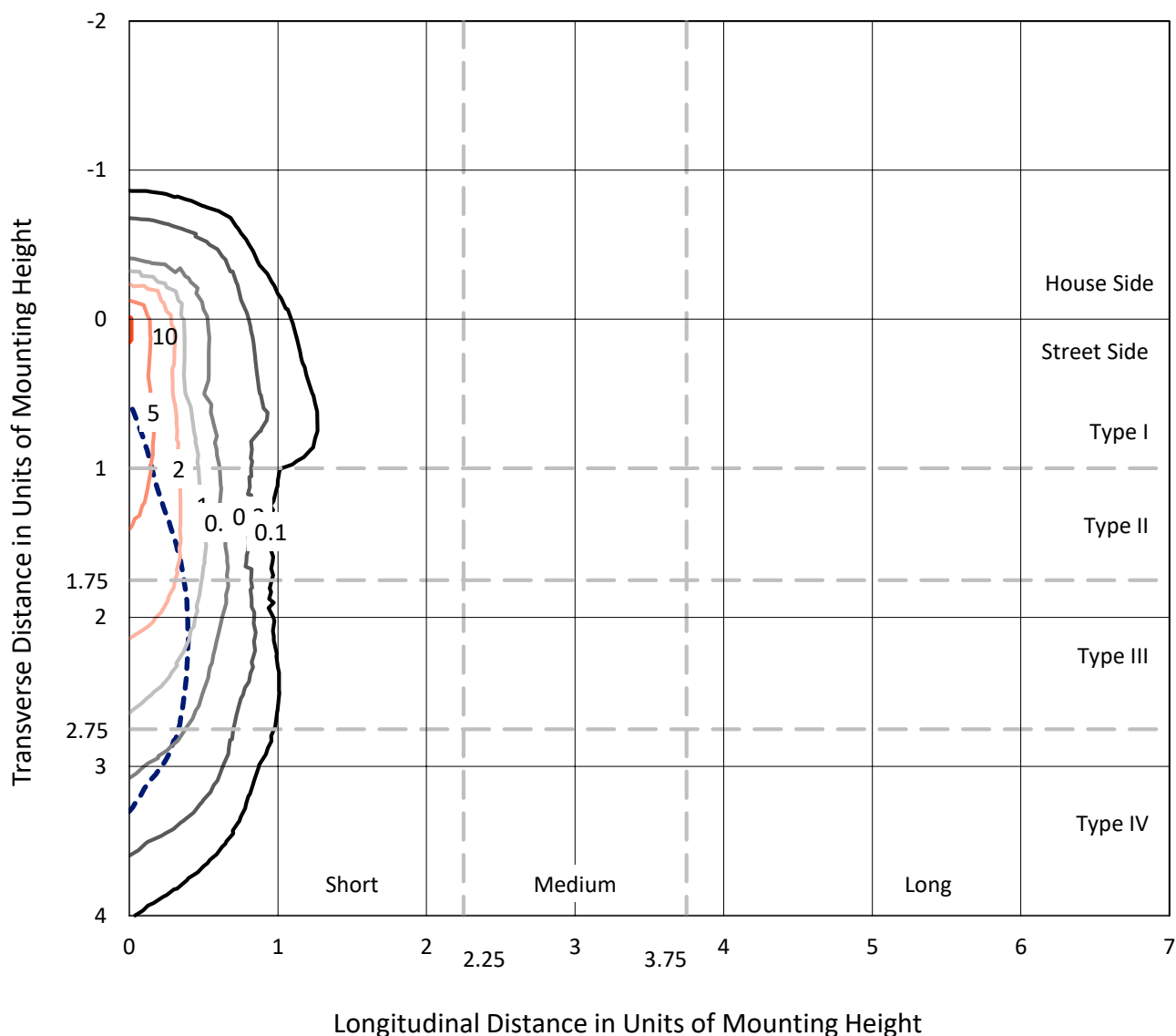
Input Watts (W): 226  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

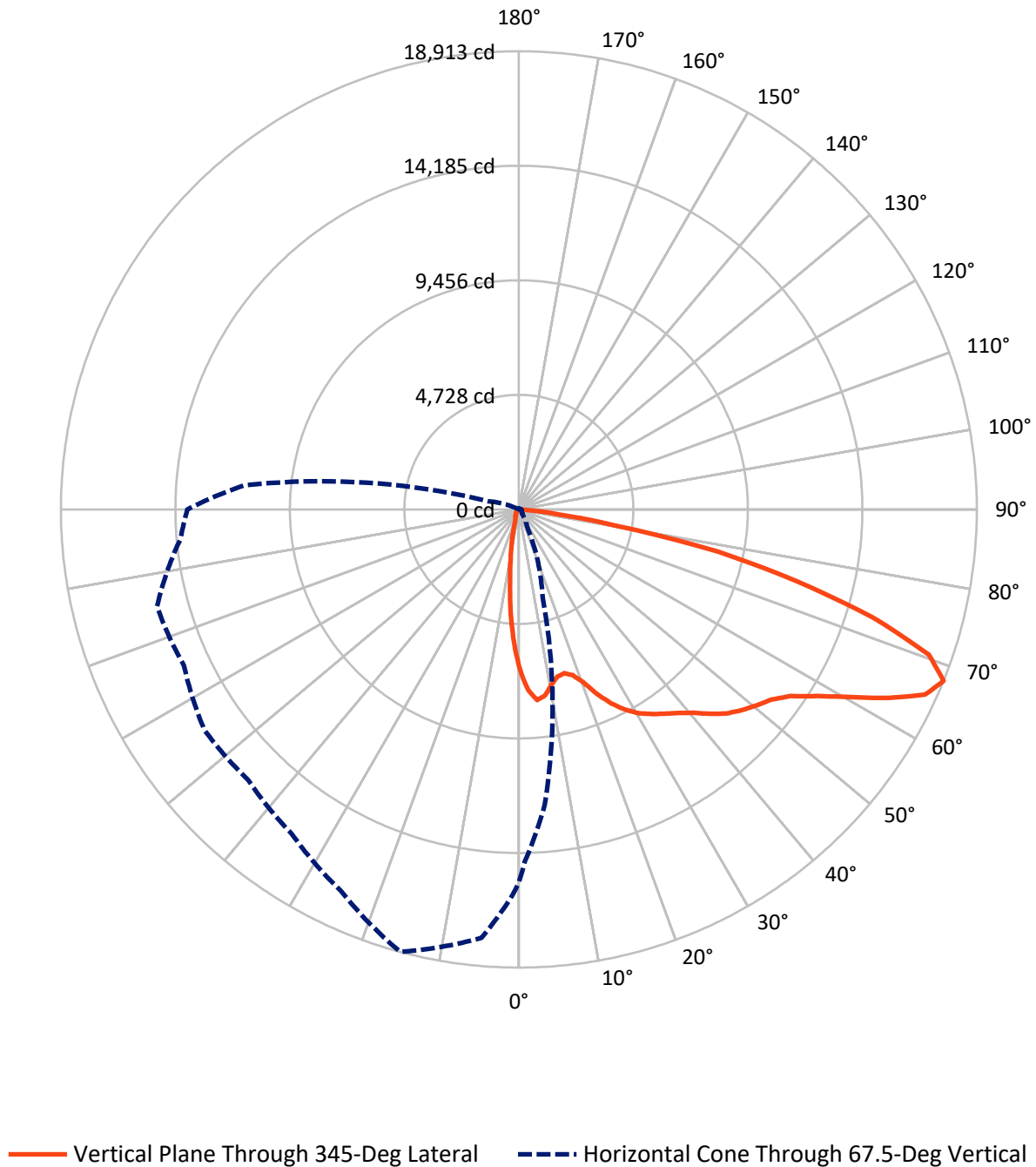
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2473.2   | 0.0    | 2473.2  |
|                    | % Fixture | 12.1     | 0.0    | 12.1    |
| <b>Street Side</b> | Lumens    | 17960.8  | 0.0    | 17960.8 |
|                    | % Fixture | 87.9     | 0.0    | 87.9    |
| <b>Total</b>       | Lumens    | 20434.0  | 0.0    | 20434.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 510.9   | 2.5       |
| 10°-20°   | 1016.9  | 5.0       |
| 20°-30°   | 1444.0  | 7.1       |
| 30°-40°   | 2132.8  | 10.4      |
| 40°-50°   | 3076.0  | 15.1      |
| 50°-60°   | 4318.0  | 21.1      |
| 60°-70°   | 5033.6  | 24.6      |
| 70°-80°   | 2573.3  | 12.6      |
| 80°-90°   | 328.6   | 1.6       |
| 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°    | 20434.0 | 100.0     |
| 0°-180°   | 20434.0 | 100.0     |

**Coefficient of Utilization**



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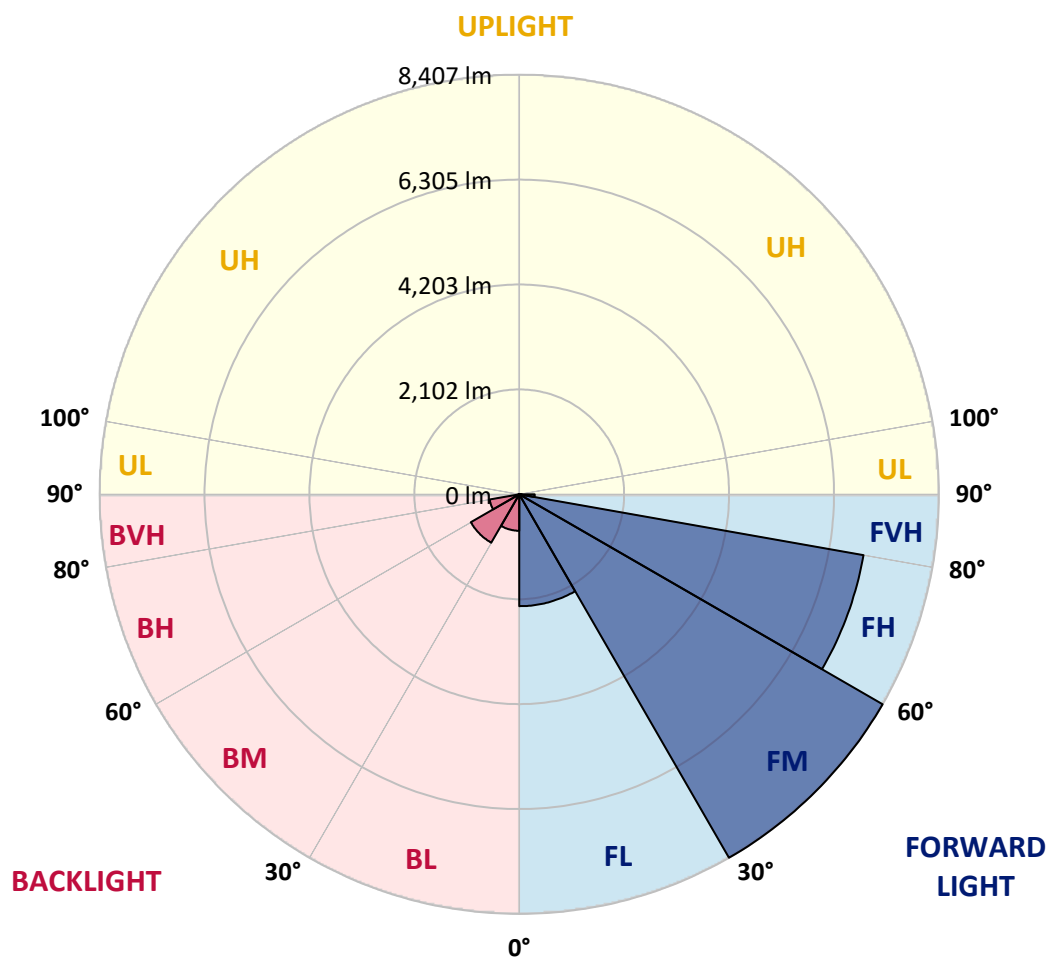
CATALOG NUMBER: GAN-SA7A-727-U-SLR-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2241.2 | 11.0      |                         |      |         |
| FM   | (30°-60°)   | 8406.9 | 41.1      |                         |      |         |
| FH   | (60°-80°)   | 7004.1 | 34.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 308.7  | 1.5       |                         |      | G3/500  |
| BL   | (0°-30°)    | 730.5  | 3.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1119.9 | 5.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 602.8  | 2.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 20.0   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6656.3  | 6656.3  | 6656.3  | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 |
| 2.5°  | 7288.5  | 7232.3  | 7170.4  | 6968.1 | 6780.2 | 6565.3 | 6390.1 | 6268.1 | 6115.2 | 5916.7 | 5866.4 |
| 5°    | 7236.2  | 7176.2  | 6981.6  | 6531.5 | 6137.5 | 5754.1 | 5384.3 | 5167.5 | 4898.4 | 4625.4 | 4557.6 |
| 7.5°  | 6710.5  | 6647.6  | 6366.9  | 5750.2 | 5219.7 | 4666.0 | 4185.9 | 3888.7 | 3584.7 | 3334.9 | 3202.3 |
| 10°   | 6163.6  | 6094.9  | 5779.3  | 5031.0 | 4377.5 | 3877.1 | 3524.7 | 3241.0 | 2953.5 | 2686.3 | 2473.4 |
| 12.5° | 5787.0  | 5697.0  | 5354.3  | 4506.3 | 3937.1 | 3597.3 | 3268.1 | 2928.4 | 2539.2 | 2252.7 | 2018.4 |
| 15°   | 5629.2  | 5526.6  | 5164.6  | 4304.0 | 3781.2 | 3382.4 | 2953.5 | 2536.3 | 2080.3 | 1752.2 | 1537.3 |
| 17.5° | 5751.2  | 5617.6  | 5229.4  | 4290.4 | 3585.7 | 3042.6 | 2500.5 | 2010.6 | 1516.0 | 1183.9 | 1031.0 |
| 20°   | 6165.5  | 5990.3  | 5497.6  | 4286.5 | 3348.5 | 2638.9 | 1951.6 | 1397.9 | 999.0  | 803.5  | 723.1  |
| 22.5° | 6818.0  | 6586.6  | 5882.9  | 4317.5 | 3103.6 | 2214.9 | 1409.5 | 949.7  | 750.2  | 648.6  | 601.2  |
| 25°   | 7606.0  | 7337.8  | 6437.6  | 4426.9 | 2888.7 | 1802.5 | 1024.2 | 750.2  | 633.1  | 558.6  | 518.9  |
| 27.5° | 8355.3  | 8137.5  | 7138.4  | 4584.7 | 2722.2 | 1469.5 | 831.6  | 636.0  | 541.1  | 491.8  | 459.8  |
| 30°   | 9103.6  | 8829.6  | 7857.7  | 4772.5 | 2521.8 | 1243.9 | 730.9  | 579.9  | 485.0  | 432.7  | 412.4  |
| 32.5° | 9647.6  | 9420.1  | 8421.1  | 4908.0 | 2307.8 | 1096.8 | 653.4  | 530.5  | 453.0  | 399.8  | 369.8  |
| 35°   | 10287.5 | 10030.0 | 8904.2  | 4938.0 | 2170.4 | 1003.9 | 587.6  | 477.3  | 393.0  | 345.6  | 313.6  |
| 37.5° | 10978.7 | 10658.3 | 9461.8  | 4872.2 | 2062.9 | 958.4  | 538.2  | 453.0  | 366.9  | 318.5  | 284.6  |
| 40°   | 11743.5 | 11381.4 | 9997.1  | 4777.3 | 1957.4 | 942.9  | 500.5  | 434.7  | 346.6  | 297.2  | 262.3  |
| 42.5° | 12548.9 | 12122.0 | 10460.8 | 4677.6 | 1890.6 | 889.6  | 496.6  | 416.3  | 331.1  | 277.8  | 243.0  |
| 45°   | 13225.6 | 12792.8 | 10937.1 | 4644.7 | 1843.2 | 831.6  | 513.1  | 403.7  | 320.4  | 262.3  | 228.5  |
| 47.5° | 13764.8 | 13355.3 | 11425.0 | 4718.3 | 1816.1 | 778.3  | 467.6  | 420.1  | 314.6  | 248.8  | 215.9  |
| 50°   | 14408.5 | 13944.8 | 12112.3 | 4938.0 | 1776.4 | 725.1  | 423.0  | 481.1  | 314.6  | 240.1  | 205.2  |
| 52.5° | 15215.9 | 14757.0 | 12879.0 | 5278.8 | 1697.0 | 651.5  | 380.4  | 482.1  | 317.5  | 228.5  | 191.7  |
| 55°   | 16231.4 | 15898.3 | 13973.9 | 5652.5 | 1570.2 | 543.1  | 329.1  | 414.3  | 305.9  | 207.2  | 179.1  |
| 57.5° | 17205.2 | 16933.2 | 14971.9 | 5908.0 | 1400.8 | 424.0  | 286.5  | 334.0  | 279.8  | 182.0  | 159.7  |
| 59°   | 17471.4 | 17174.2 | 15337.8 | 5919.6 | 1274.0 | 369.8  | 265.2  | 275.9  | 274.0  | 170.4  | 148.1  |
| 60°   | 17471.4 | 17155.8 | 15443.4 | 5857.7 | 1182.0 | 339.8  | 251.7  | 245.9  | 285.6  | 162.6  | 141.3  |
| 62.5° | 17154.9 | 16711.5 | 15100.7 | 5438.5 | 964.2  | 289.4  | 219.7  | 203.3  | 256.5  | 146.2  | 124.9  |
| 65°   | 16496.6 | 15850.9 | 13933.2 | 4680.5 | 859.6  | 265.2  | 189.7  | 166.5  | 178.1  | 128.8  | 109.4  |
| 67.5° | 15398.8 | 14523.7 | 12249.8 | 3781.2 | 818.0  | 258.5  | 163.6  | 141.3  | 134.6  | 110.4  | 95.8   |
| 70°   | 13465.6 | 12494.7 | 10206.2 | 2972.9 | 782.2  | 255.6  | 137.5  | 119.1  | 108.4  | 92.9   | 81.3   |
| 72.5° | 9800.6  | 8788.0  | 7245.9  | 2324.3 | 760.9  | 261.4  | 110.4  | 99.7   | 89.1   | 72.6   | 62.9   |
| 75°   | 5606.0  | 4942.9  | 4072.6  | 1535.3 | 648.6  | 249.8  | 85.2   | 83.3   | 63.9   | 52.3   | 43.6   |
| 77.5° | 2896.4  | 2808.3  | 2440.5  | 589.5  | 310.7  | 109.4  | 56.1   | 48.4   | 37.8   | 31.9   | 26.1   |
| 80°   | 1249.8  | 1236.2  | 1069.7  | 170.4  | 82.3   | 61.0   | 31.9   | 20.3   | 17.4   | 13.6   | 10.6   |
| 82.5° | 431.8   | 431.8   | 380.4   | 57.1   | 36.8   | 30.0   | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 87.1    | 97.8    | 68.7    | 0.0    | 12.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 |
| 2.5°  | 5805.4 | 5688.3 | 5680.5 | 5607.0 | 5515.0 | 5473.4 | 5449.2 | 5491.8 | 5544.0 | 5549.9 | 5628.3 |
| 5°    | 4506.3 | 4383.3 | 4434.7 | 4304.0 | 4330.1 | 4304.0 | 4261.4 | 4269.1 | 4292.4 | 4219.7 | 4309.8 |
| 7.5°  | 3164.6 | 3071.6 | 3130.7 | 3095.8 | 3142.3 | 3160.7 | 3134.6 | 3095.8 | 2981.6 | 2968.1 | 3046.5 |
| 10°   | 2385.3 | 2279.8 | 2216.8 | 2151.0 | 2165.5 | 2195.5 | 2185.9 | 2157.8 | 2085.2 | 2089.1 | 2164.6 |
| 12.5° | 1916.7 | 1798.6 | 1673.8 | 1512.1 | 1472.4 | 1494.7 | 1472.4 | 1456.0 | 1386.3 | 1392.1 | 1458.9 |
| 15°   | 1454.0 | 1357.2 | 1226.5 | 1096.8 | 1026.1 | 1032.9 | 971.0  | 927.4  | 883.8  | 831.6  | 872.2  |
| 17.5° | 981.6  | 922.6  | 883.8  | 845.1  | 760.9  | 741.5  | 663.1  | 578.9  | 546.0  | 521.8  | 539.2  |
| 20°   | 695.1  | 663.1  | 647.6  | 645.7  | 597.3  | 573.1  | 496.6  | 444.3  | 427.9  | 423.0  | 433.7  |
| 22.5° | 580.8  | 557.6  | 535.3  | 522.7  | 498.5  | 470.5  | 412.4  | 386.3  | 374.6  | 368.8  | 376.6  |
| 25°   | 505.3  | 487.9  | 464.7  | 443.4  | 433.7  | 403.7  | 362.1  | 342.7  | 334.9  | 329.1  | 333.0  |
| 27.5° | 449.2  | 433.7  | 406.6  | 393.0  | 385.3  | 359.1  | 323.3  | 307.8  | 301.1  | 299.1  | 298.2  |
| 30°   | 404.6  | 390.1  | 365.0  | 349.5  | 335.9  | 312.7  | 291.4  | 275.9  | 269.1  | 267.2  | 265.2  |
| 32.5° | 360.1  | 348.5  | 332.0  | 316.6  | 302.0  | 280.7  | 262.3  | 249.8  | 239.1  | 237.2  | 236.2  |
| 35°   | 304.0  | 292.4  | 283.6  | 282.7  | 269.1  | 248.8  | 235.2  | 218.8  | 210.1  | 207.2  | 208.1  |
| 37.5° | 270.1  | 254.6  | 235.2  | 242.0  | 238.1  | 223.6  | 205.2  | 188.8  | 180.1  | 178.1  | 178.1  |
| 40°   | 248.8  | 232.3  | 210.1  | 198.5  | 210.1  | 207.2  | 178.1  | 161.7  | 153.0  | 152.0  | 150.0  |
| 42.5° | 228.5  | 212.0  | 186.8  | 167.5  | 173.3  | 182.0  | 153.9  | 138.4  | 129.7  | 127.8  | 124.9  |
| 45°   | 213.9  | 196.5  | 168.4  | 146.2  | 134.6  | 153.0  | 131.7  | 112.3  | 107.5  | 103.6  | 101.6  |
| 47.5° | 200.4  | 183.9  | 152.0  | 126.8  | 107.5  | 110.4  | 105.5  | 92.0   | 86.2   | 82.3   | 81.3   |
| 50°   | 188.8  | 171.3  | 137.5  | 108.4  | 89.1   | 81.3   | 85.2   | 72.6   | 67.8   | 63.9   | 62.0   |
| 52.5° | 175.2  | 158.8  | 122.0  | 93.9   | 74.5   | 63.9   | 64.9   | 57.1   | 52.3   | 49.4   | 48.4   |
| 55°   | 164.6  | 148.1  | 109.4  | 82.3   | 65.8   | 52.3   | 46.5   | 44.5   | 41.6   | 39.7   | 38.7   |
| 57.5° | 150.0  | 134.6  | 96.8   | 69.7   | 56.1   | 42.6   | 35.8   | 35.8   | 34.8   | 32.9   | 31.9   |
| 59°   | 141.3  | 127.8  | 89.1   | 62.9   | 51.3   | 36.8   | 31.9   | 32.9   | 31.9   | 30.0   | 29.0   |
| 60°   | 134.6  | 122.0  | 83.3   | 58.1   | 48.4   | 33.9   | 29.0   | 31.0   | 30.0   | 28.1   | 27.1   |
| 62.5° | 119.1  | 110.4  | 71.6   | 48.4   | 42.6   | 27.1   | 24.2   | 26.1   | 26.1   | 25.2   | 24.2   |
| 65°   | 104.5  | 94.9   | 61.0   | 40.7   | 39.7   | 23.2   | 19.4   | 23.2   | 24.2   | 22.3   | 20.3   |
| 67.5° | 91.0   | 81.3   | 53.2   | 32.9   | 36.8   | 18.4   | 14.5   | 19.4   | 26.1   | 20.3   | 18.4   |
| 70°   | 77.4   | 67.8   | 41.6   | 26.1   | 38.7   | 12.6   | 11.6   | 17.4   | 31.0   | 22.3   | 17.4   |
| 72.5° | 60.0   | 52.3   | 29.0   | 19.4   | 41.6   | 8.7    | 8.7    | 14.5   | 34.8   | 24.2   | 16.5   |
| 75°   | 41.6   | 33.9   | 17.4   | 11.6   | 33.9   | 5.8    | 5.8    | 13.6   | 32.9   | 22.3   | 15.5   |
| 77.5° | 24.2   | 18.4   | 5.8    | 1.0    | 17.4   | 0.0    | 1.0    | 9.7    | 23.2   | 13.6   | 6.8    |
| 80°   | 8.7    | 3.9    | 0.0    | 0.0    | 10.6   | 0.0    | 0.0    | 0.0    | 1.9    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°    | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3 | 6656.3  | 6656.3  | 6656.3  |
| 2.5°  | 5648.6 | 5779.3 | 5896.4 | 6073.6 | 6283.6 | 6525.7 | 6733.8 | 6957.4 | 7167.5  | 7254.6  | 7314.6  |
| 5°    | 4328.2 | 4489.8 | 4678.6 | 4939.0 | 5285.6 | 5712.5 | 6112.3 | 6564.4 | 7050.3  | 7293.3  | 7521.8  |
| 7.5°  | 3060.0 | 3224.6 | 3458.9 | 3735.7 | 4154.9 | 4663.1 | 5185.9 | 5810.3 | 6468.5  | 6852.9  | 7231.4  |
| 10°   | 2200.4 | 2402.7 | 2621.5 | 3000.0 | 3425.9 | 3908.0 | 4446.3 | 5143.3 | 5877.1  | 6303.0  | 6759.0  |
| 12.5° | 1497.6 | 1728.0 | 2059.1 | 2483.1 | 2983.5 | 3456.0 | 3923.5 | 4588.6 | 5440.5  | 5862.5  | 6351.4  |
| 15°   | 898.4  | 1026.1 | 1376.6 | 1867.4 | 2481.1 | 3069.7 | 3581.8 | 4248.8 | 5156.8  | 5673.8  | 6182.0  |
| 17.5° | 553.7  | 612.8  | 803.5  | 1206.2 | 1850.9 | 2595.4 | 3297.2 | 4133.6 | 5197.5  | 5826.7  | 6370.8  |
| 20°   | 441.4  | 464.7  | 525.7  | 712.5  | 1226.5 | 2072.6 | 2976.8 | 4110.4 | 5529.5  | 6304.0  | 6887.7  |
| 22.5° | 383.3  | 405.6  | 446.3  | 517.9  | 771.5  | 1551.8 | 2672.8 | 4131.7 | 6005.8  | 7019.4  | 7700.9  |
| 25°   | 337.9  | 357.2  | 395.9  | 455.0  | 565.3  | 1092.9 | 2347.5 | 4226.5 | 6626.3  | 7907.1  | 8631.2  |
| 27.5° | 302.0  | 318.5  | 354.3  | 408.5  | 485.0  | 762.8  | 1978.7 | 4341.7 | 7362.0  | 8815.1  | 9529.5  |
| 30°   | 269.1  | 283.6  | 315.6  | 365.9  | 421.1  | 586.6  | 1574.1 | 4420.1 | 8098.7  | 9529.5  | 10171.3 |
| 32.5° | 241.0  | 251.7  | 280.7  | 323.3  | 365.9  | 467.6  | 1196.5 | 4407.5 | 8645.7  | 10123.9 | 10633.1 |
| 35°   | 212.0  | 222.7  | 247.8  | 284.6  | 318.5  | 386.3  | 940.9  | 4172.3 | 9122.0  | 10740.6 | 11161.7 |
| 37.5° | 180.1  | 193.6  | 217.8  | 250.7  | 274.0  | 339.8  | 760.9  | 3888.7 | 9605.0  | 11445.3 | 11751.2 |
| 40°   | 153.0  | 166.5  | 187.8  | 223.6  | 238.1  | 322.4  | 584.7  | 3543.1 | 10148.1 | 12233.3 | 12397.9 |
| 42.5° | 126.8  | 139.4  | 161.7  | 192.6  | 224.6  | 277.8  | 432.7  | 3148.1 | 10669.9 | 12907.1 | 12987.4 |
| 45°   | 102.6  | 115.2  | 138.4  | 169.4  | 240.1  | 230.4  | 334.9  | 2725.1 | 11091.0 | 13467.6 | 13493.7 |
| 47.5° | 81.3   | 92.9   | 117.1  | 159.7  | 223.6  | 183.9  | 239.1  | 2393.0 | 11444.3 | 13905.1 | 13836.4 |
| 50°   | 62.9   | 72.6   | 97.8   | 183.0  | 195.5  | 152.0  | 181.0  | 2282.7 | 11760.9 | 14176.2 | 13998.1 |
| 52.5° | 49.4   | 58.1   | 80.3   | 171.3  | 152.0  | 125.8  | 152.0  | 2386.3 | 12194.6 | 14400.8 | 14089.1 |
| 55°   | 39.7   | 48.4   | 62.9   | 97.8   | 103.6  | 106.5  | 129.7  | 2483.1 | 12942.9 | 14927.4 | 14626.3 |
| 57.5° | 32.9   | 41.6   | 51.3   | 68.7   | 78.4   | 90.0   | 115.2  | 2493.7 | 13824.8 | 15802.5 | 15517.9 |
| 59°   | 30.0   | 37.8   | 46.5   | 61.0   | 68.7   | 82.3   | 108.4  | 2435.6 | 14135.5 | 16121.0 | 15978.7 |
| 60°   | 28.1   | 35.8   | 43.6   | 56.1   | 63.9   | 77.4   | 104.5  | 2380.4 | 14149.1 | 16109.4 | 16175.2 |
| 62.5° | 24.2   | 31.9   | 38.7   | 47.4   | 54.2   | 65.8   | 93.9   | 2176.2 | 13576.0 | 15581.8 | 16057.1 |
| 65°   | 21.3   | 28.1   | 34.8   | 40.7   | 46.5   | 59.1   | 85.2   | 1803.5 | 12597.3 | 14730.9 | 15248.8 |
| 67.5° | 19.4   | 24.2   | 31.9   | 35.8   | 41.6   | 52.3   | 75.5   | 1285.6 | 11374.6 | 13690.2 | 14026.1 |
| 70°   | 17.4   | 23.2   | 29.0   | 32.9   | 37.8   | 45.5   | 64.9   | 738.6  | 9605.0  | 12166.5 | 12405.6 |
| 72.5° | 16.5   | 22.3   | 26.1   | 31.0   | 33.9   | 40.7   | 59.1   | 347.5  | 7032.9  | 9746.4  | 10370.8 |
| 75°   | 14.5   | 20.3   | 24.2   | 29.0   | 31.9   | 36.8   | 50.3   | 166.5  | 4677.6  | 7053.2  | 7762.8  |
| 77.5° | 8.7    | 16.5   | 22.3   | 26.1   | 28.1   | 31.9   | 41.6   | 95.8   | 2985.5  | 4881.9  | 5750.2  |
| 80°   | 0.0    | 5.8    | 16.5   | 22.3   | 24.2   | 27.1   | 31.9   | 75.5   | 1597.3  | 2789.0  | 3347.5  |
| 82.5° | 0.0    | 0.0    | 11.6   | 17.4   | 16.5   | 18.4   | 24.2   | 47.4   | 720.2   | 1822.8  | 2054.2  |
| 85°   | 0.0    | 0.0    | 3.9    | 13.6   | 11.6   | 8.7    | 16.5   | 16.5   | 157.8   | 922.6   | 1151.0  |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.0    | 5.8    | 3.9    | 6.8    | 1.9    | 1.0     | 68.7    | 278.8   |
| 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: P324391

CATALOG NUMBER: GAN-SA7A-727-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6656.3  | 6656.3  | 6656.3  | 6656.3  | 6656.3  | 6656.3  | 6656.3  | 6656.3  | 6656.3  | 6656.3  |
| 2.5°  | 7524.7  | 7596.3  | 7717.3  | 7774.4  | 7746.4  | 7627.3  | 7485.0  | 7339.8  | 7254.6  | 7288.5  |
| 5°    | 7987.4  | 8356.2  | 8569.2  | 8639.9  | 8521.8  | 8254.6  | 7905.1  | 7444.3  | 7280.7  | 7236.2  |
| 7.5°  | 7987.4  | 8681.5  | 9121.0  | 9198.4  | 8935.1  | 8411.4  | 7756.0  | 7036.8  | 6797.7  | 6710.5  |
| 10°   | 7706.7  | 8651.5  | 9264.3  | 9387.2  | 9019.4  | 8236.2  | 7358.2  | 6537.3  | 6253.6  | 6163.6  |
| 12.5° | 7390.1  | 8407.5  | 9053.2  | 9222.6  | 8920.6  | 8062.0  | 7082.3  | 6199.4  | 5865.4  | 5787.0  |
| 15°   | 7195.5  | 8107.5  | 8641.8  | 8764.8  | 8637.0  | 7960.3  | 7016.5  | 6097.8  | 5704.7  | 5629.2  |
| 17.5° | 7265.2  | 7875.1  | 8067.8  | 8139.4  | 8225.6  | 7924.5  | 7195.5  | 6320.4  | 5822.8  | 5751.2  |
| 20°   | 7527.6  | 7630.2  | 7530.5  | 7620.5  | 7852.9  | 7959.3  | 7622.5  | 6858.7  | 6261.4  | 6165.5  |
| 22.5° | 7972.9  | 7503.4  | 7223.6  | 7259.4  | 7542.1  | 8074.5  | 8274.9  | 7627.3  | 6938.0  | 6818.0  |
| 25°   | 8491.8  | 7606.0  | 7053.2  | 7021.3  | 7311.7  | 8226.5  | 8871.2  | 8463.7  | 7738.6  | 7606.0  |
| 27.5° | 9144.2  | 7836.4  | 7018.4  | 6986.4  | 7231.4  | 8368.8  | 9366.9  | 9290.4  | 8581.8  | 8355.3  |
| 30°   | 9647.6  | 8062.9  | 7122.0  | 7048.4  | 7311.7  | 8467.6  | 9764.8  | 9992.3  | 9253.6  | 9103.6  |
| 32.5° | 10008.7 | 8330.1  | 7290.4  | 7183.9  | 7538.2  | 8637.9  | 10071.6 | 10635.0 | 9875.1  | 9647.6  |
| 35°   | 10283.6 | 8620.5  | 7562.4  | 7387.2  | 7849.9  | 8896.4  | 10359.1 | 11319.5 | 10536.3 | 10287.5 |
| 37.5° | 10541.1 | 9028.1  | 7987.4  | 7778.3  | 8338.8  | 9312.7  | 10663.1 | 12095.8 | 11275.9 | 10978.7 |
| 40°   | 10900.3 | 9489.8  | 8642.8  | 8456.9  | 9160.7  | 9880.0  | 11042.6 | 12905.1 | 12117.1 | 11743.5 |
| 42.5° | 11259.4 | 9985.5  | 9313.6  | 9364.0  | 10185.9 | 10569.2 | 11532.4 | 13760.9 | 12947.7 | 12548.9 |
| 45°   | 11587.6 | 10496.6 | 10269.1 | 10501.4 | 11137.5 | 11325.3 | 12019.4 | 14255.6 | 13610.8 | 13225.6 |
| 47.5° | 11880.0 | 11135.5 | 11218.8 | 11837.4 | 12219.7 | 12009.7 | 12383.3 | 14682.5 | 14104.5 | 13764.8 |
| 50°   | 12219.7 | 11962.2 | 12470.5 | 13345.6 | 13465.6 | 12629.2 | 12714.4 | 15187.8 | 14681.5 | 14408.5 |
| 52.5° | 12591.5 | 12833.5 | 13856.7 | 14628.3 | 14589.5 | 13302.0 | 13047.4 | 15754.1 | 15472.4 | 15215.9 |
| 55°   | 13013.5 | 13537.3 | 15077.4 | 15828.6 | 15795.7 | 14053.2 | 13599.2 | 16454.0 | 16463.7 | 16231.4 |
| 57.5° | 13639.9 | 14143.3 | 15906.1 | 16799.6 | 16854.8 | 14920.6 | 14534.4 | 17238.1 | 17360.1 | 17205.2 |
| 59°   | 14089.1 | 14536.3 | 16234.3 | 17205.2 | 17429.8 | 15591.5 | 15217.8 | 17693.1 | 17612.8 | 17471.4 |
| 60°   | 14422.1 | 14786.1 | 16396.9 | 17417.2 | 17763.8 | 16046.5 | 15722.2 | 17960.3 | 17642.8 | 17471.4 |
| 62.5° | 15245.9 | 15330.1 | 16690.2 | 17657.3 | 18148.1 | 17057.1 | 17141.3 | 18415.3 | 17434.6 | 17154.9 |
| 65°   | 15630.2 | 15673.8 | 16686.3 | 17227.5 | 17776.4 | 17844.1 | 18428.8 | 18428.8 | 16926.4 | 16496.6 |
| 67.5° | 15469.5 | 15259.4 | 15858.7 | 15802.5 | 16350.4 | 17376.6 | 18912.9 | 17753.1 | 15954.5 | 15398.8 |
| 70°   | 14162.6 | 13354.3 | 13088.1 | 13112.3 | 13531.5 | 15114.2 | 17954.5 | 15764.8 | 14115.2 | 13465.6 |
| 72.5° | 11784.1 | 9845.1  | 9187.8  | 9938.0  | 10047.4 | 11615.7 | 15301.1 | 11872.2 | 10409.5 | 9800.6  |
| 75°   | 9478.2  | 6940.0  | 5871.2  | 6663.1  | 6849.0  | 8500.5  | 11836.4 | 7394.0  | 6080.3  | 5606.0  |
| 77.5° | 6809.3  | 4981.6  | 4213.0  | 4157.8  | 4397.9  | 5391.1  | 8398.8  | 3721.2  | 3103.6  | 2896.4  |
| 80°   | 3868.3  | 3278.8  | 3530.5  | 3331.1  | 3452.1  | 3370.8  | 3990.3  | 1632.1  | 1336.9  | 1249.8  |
| 82.5° | 2334.9  | 1938.0  | 2098.7  | 1747.3  | 2211.0  | 1925.5  | 1537.3  | 522.7   | 454.0   | 431.8   |
| 85°   | 1518.9  | 1059.1  | 551.8   | 369.8   | 761.9   | 1230.4  | 343.7   | 142.3   | 109.4   | 87.1    |
| 87.5° | 523.7   | 270.1   | 27.1    | 11.6    | 81.3    | 229.4   | 12.6    | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)