

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: P531171

Luminaire Tested: **GLAN-SA6C-722-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-722-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17922 lumens  
Efficiency: N/A  
Efficacy: 55.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 321  
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

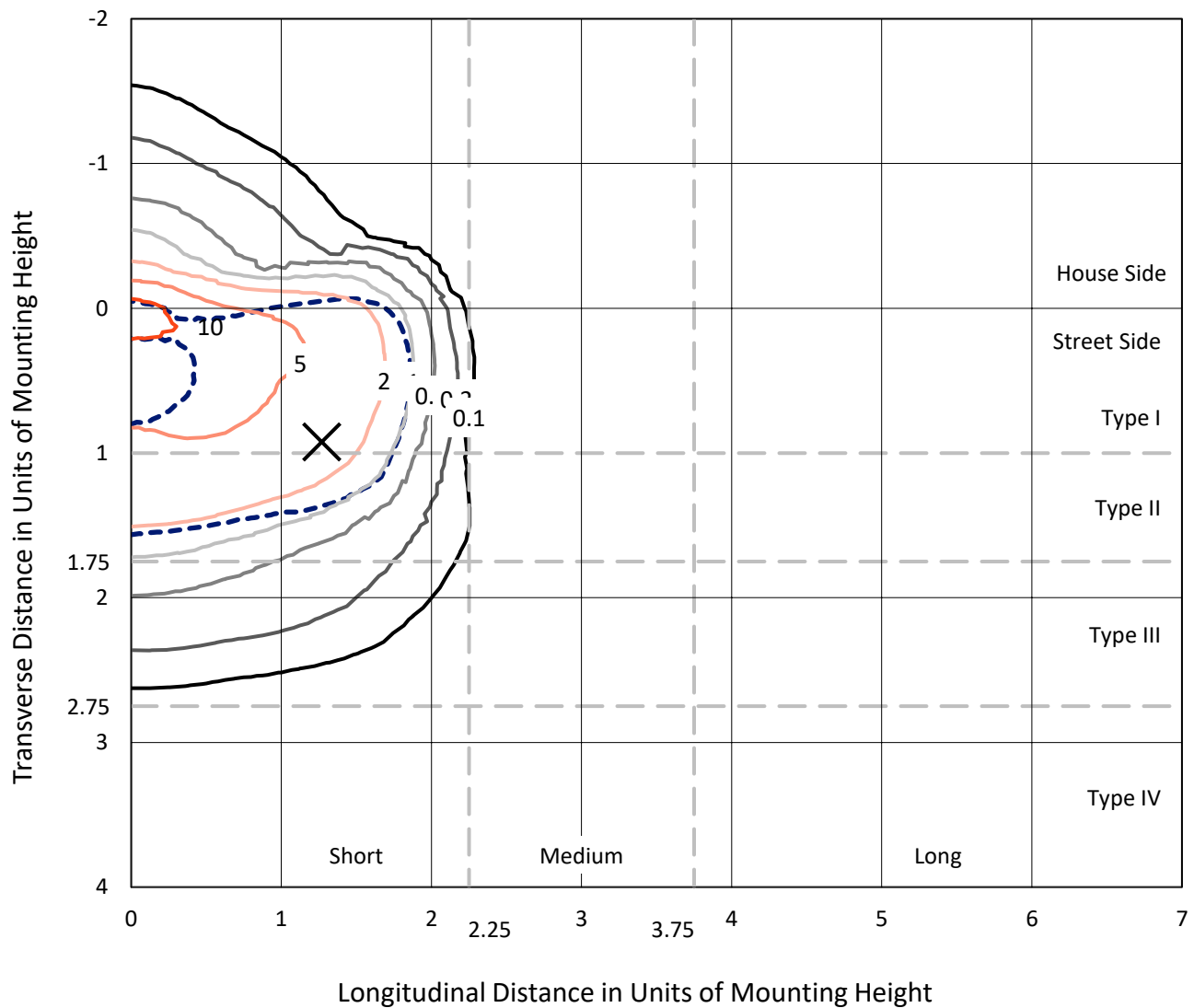


REPORT NUMBER: P531171

CATALOG NUMBER: GLAN-SA6C-722-U-SL3-GRSBK

## Iso-Footcandle Lines of Horizontal Illumination

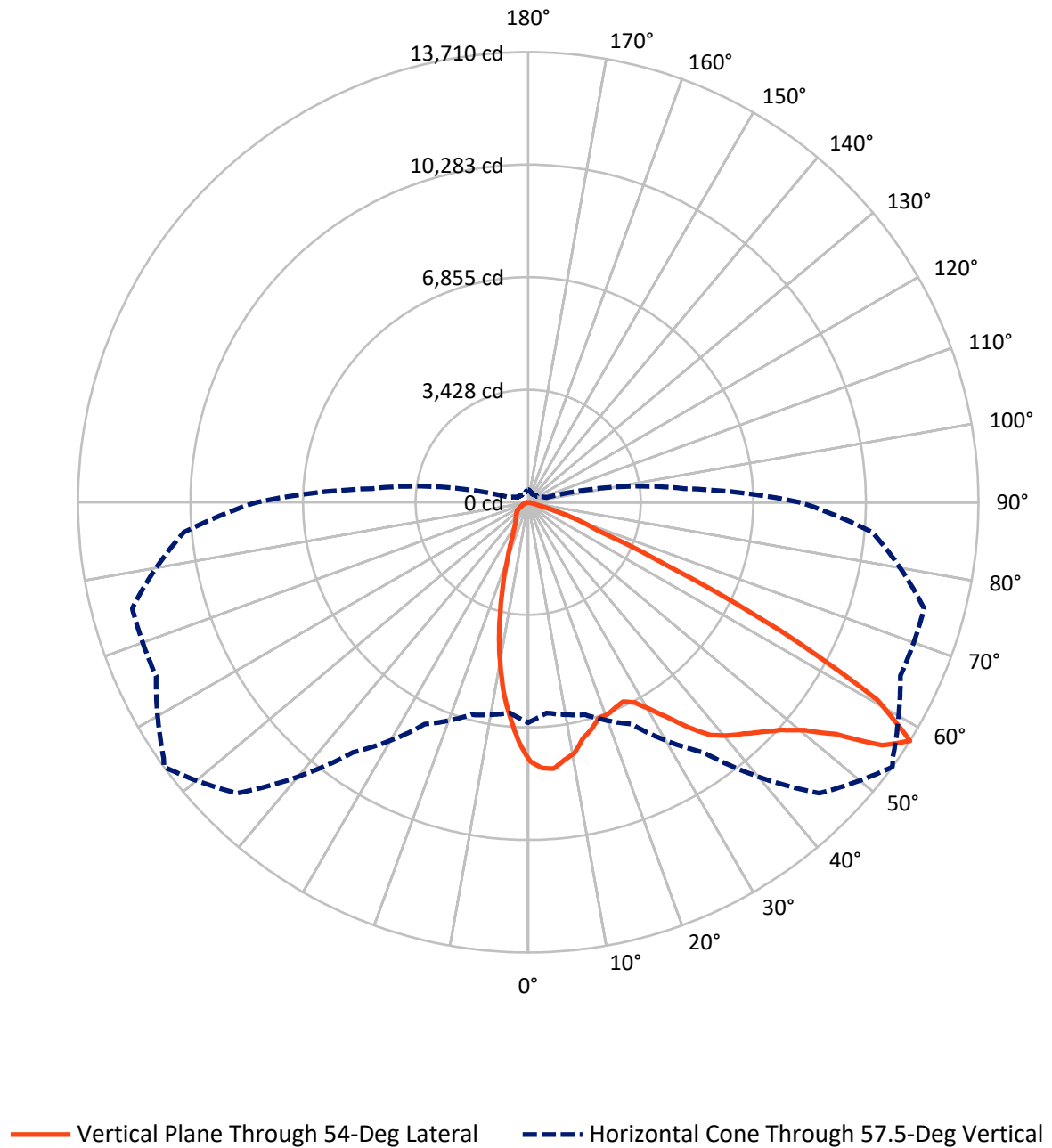
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P531171  
CATALOG NUMBER: GLAN-SA6C-722-U-SL3-GRSBK

## Luminous Intensity Polar Plot



REPORT NUMBER: P531171

CATALOG NUMBER: GLAN-SA6C-722-U-SL3-GRSBK

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2532.7   | 0.0    | 2532.7  |
|                    | % Fixture | 14.1     | 0.0    | 14.1    |
| <b>Street Side</b> | Lumens    | 15389.3  | 0.0    | 15389.3 |
|                    | % Fixture | 85.9     | 0.0    | 85.9    |
| <b>Total</b>       | Lumens    | 17922.0  | 0.0    | 17922.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 660.7   | 3.7       |
| 10°-20°   | 1410.5  | 7.9       |
| 20°-30°   | 1869.2  | 10.4      |
| 30°-40°   | 2716.5  | 15.2      |
| 40°-50°   | 4028.1  | 22.5      |
| 50°-60°   | 5037.0  | 28.1      |
| 60°-70°   | 1986.9  | 11.1      |
| 70°-80°   | 197.8   | 1.1       |
| 80°-90°   | 15.4    | 0.1       |
| 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°    | 17922.0 | 100.0     |
| 0°-180°   | 17922.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P531171

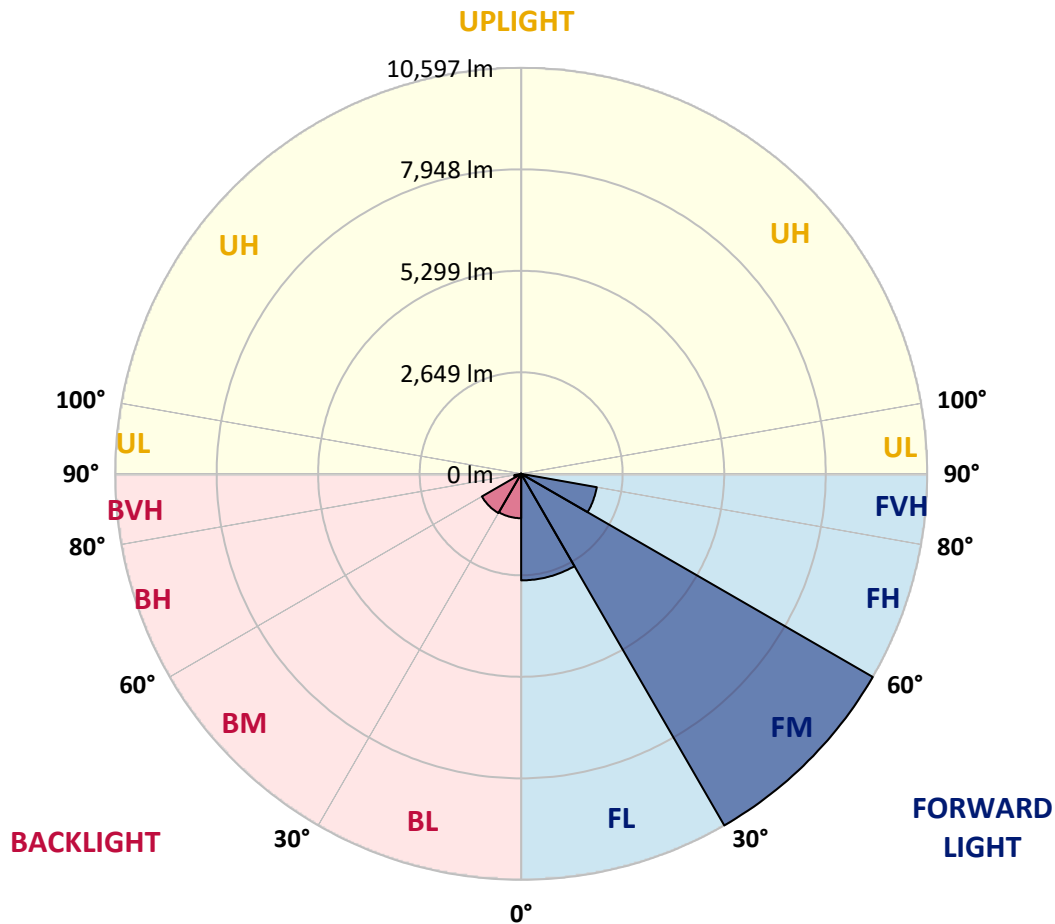
CATALOG NUMBER: GLAN-SA6C-722-U-SL3-GRSBK

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2782.0  | 15.5      |                         |      |         |
| FM   | (30°-60°)   | 10597.2 | 59.1      |                         |      |         |
| FH   | (60°-80°)   | 2003.1  | 11.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 7.0     | 0.0       |                         |      | G0/10   |
| BL   | (0°-30°)    | 1158.3  | 6.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1184.3  | 6.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 181.6   | 1.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.4     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type II Short



REPORT NUMBER: P531171

CATALOG NUMBER: GLAN-SA6C-722-U-SL3-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 54°     | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7894.9 | 7894.9 | 7894.9 | 7894.9  | 7894.9  | 7894.9  | 7894.9  | 7894.9  | 7894.9  | 7894.9  | 7894.9  |
| 2.5°  | 8354.8 | 8268.1 | 8274.8 | 8244.8  | 8204.8  | 8234.8  | 8104.8  | 8134.8  | 8131.5  | 7954.9  | 7838.2  |
| 5°    | 8144.8 | 8238.1 | 8141.5 | 8221.5  | 8144.8  | 8228.1  | 8148.2  | 8088.2  | 7991.5  | 7861.6  | 7644.9  |
| 7.5°  | 7788.2 | 7698.3 | 7724.9 | 7824.9  | 7841.6  | 8028.2  | 7928.2  | 8004.9  | 7964.9  | 7708.3  | 7411.7  |
| 10°   | 7071.7 | 7051.7 | 7185.0 | 7318.3  | 7481.6  | 7681.6  | 7758.2  | 7714.9  | 7684.9  | 7588.3  | 7191.7  |
| 12.5° | 6521.9 | 6578.5 | 6575.2 | 6795.1  | 7071.7  | 7185.0  | 7385.0  | 7378.3  | 7545.0  | 7365.0  | 6985.1  |
| 15°   | 5998.6 | 6028.6 | 6168.6 | 6305.2  | 6611.8  | 6935.1  | 7181.7  | 7215.0  | 7415.0  | 7288.4  | 6825.1  |
| 17.5° | 5678.7 | 5635.4 | 5745.4 | 5908.7  | 6221.9  | 6645.2  | 6918.4  | 6998.4  | 7271.7  | 7245.0  | 6641.8  |
| 20°   | 5362.1 | 5362.1 | 5452.1 | 5645.4  | 5932.0  | 6408.6  | 6895.1  | 6871.8  | 7271.7  | 7195.0  | 6445.2  |
| 22.5° | 5255.5 | 5308.8 | 5332.1 | 5478.8  | 5818.7  | 6228.6  | 6795.1  | 6838.5  | 7328.3  | 7171.7  | 6358.6  |
| 25°   | 5402.1 | 5332.1 | 5338.8 | 5455.4  | 5775.4  | 6141.9  | 6721.8  | 6818.5  | 7431.7  | 7288.4  | 6288.6  |
| 27.5° | 5425.4 | 5495.4 | 5515.4 | 5595.4  | 5808.7  | 6168.6  | 6905.1  | 7101.7  | 7688.3  | 7561.6  | 6308.6  |
| 30°   | 5628.7 | 5698.7 | 5695.4 | 5832.0  | 5978.6  | 6385.2  | 7315.0  | 7355.0  | 8218.1  | 7904.9  | 6431.9  |
| 32.5° | 5875.3 | 5948.7 | 5972.0 | 6131.9  | 6248.6  | 6781.8  | 7814.9  | 7918.2  | 8728.0  | 8444.8  | 6755.1  |
| 35°   | 6181.9 | 6155.3 | 6261.9 | 6421.9  | 6671.8  | 7361.7  | 8424.8  | 8598.1  | 9277.9  | 9144.6  | 7088.4  |
| 37.5° | 6565.2 | 6531.9 | 6635.2 | 6895.1  | 7235.0  | 8048.2  | 8988.0  | 9101.3  | 9677.8  | 9794.5  | 7704.9  |
| 40°   | 6835.1 | 6848.5 | 7161.7 | 7511.6  | 7871.6  | 8701.4  | 9344.6  | 9454.5  | 9957.7  | 10401.0 | 8171.5  |
| 42.5° | 7285.0 | 7368.3 | 7744.9 | 8171.5  | 8548.1  | 9191.3  | 9634.5  | 9741.1  | 10087.7 | 10887.5 | 8801.3  |
| 45°   | 7938.2 | 7901.5 | 8318.1 | 8794.7  | 9211.3  | 9701.1  | 9977.7  | 9941.1  | 10164.4 | 11370.8 | 9197.9  |
| 47.5° | 8778.0 | 8784.7 | 9061.3 | 9467.9  | 9901.1  | 10144.4 | 10361.0 | 10231.0 | 10324.3 | 11880.6 | 9727.8  |
| 50°   | 9351.2 | 9401.2 | 9624.5 | 10041.1 | 10257.7 | 10630.9 | 10907.5 | 10827.6 | 10797.6 | 12187.2 | 10061.1 |
| 52.5° | 9497.9 | 9647.8 | 9767.8 | 10287.7 | 10794.2 | 11384.1 | 11737.3 | 11907.3 | 11374.1 | 12290.6 | 10484.3 |
| 55°   | 8391.4 | 8524.7 | 8948.0 | 9661.1  | 10997.5 | 12577.2 | 13063.7 | 13067.0 | 12127.3 | 12750.5 | 10780.9 |
| 57.5° | 6708.5 | 6438.5 | 6698.5 | 7455.0  | 9297.9  | 12527.2 | 13710.2 | 13553.6 | 12503.8 | 12480.5 | 10524.3 |
| 60°   | 4639.0 | 4572.3 | 4589.0 | 4888.9  | 6435.2  | 9964.4  | 12217.2 | 12420.5 | 11514.1 | 10817.6 | 8331.5  |
| 62.5° | 3675.8 | 3619.2 | 3545.9 | 3512.5  | 3995.8  | 6208.6  | 8618.1  | 8904.7  | 8051.5  | 7015.1  | 4938.9  |
| 65°   | 2879.3 | 2846.0 | 2856.0 | 2989.3  | 2986.0  | 3522.5  | 4712.3  | 4595.6  | 3679.2  | 2719.4  | 1553.0  |
| 67.5° | 1942.9 | 1992.9 | 2032.9 | 2436.1  | 2642.7  | 2452.8  | 2276.2  | 2209.5  | 1196.4  | 503.2   | 343.3   |
| 70°   | 1093.1 | 1099.8 | 1143.1 | 1523.0  | 2006.2  | 1902.9  | 1569.6  | 1569.6  | 596.5   | 183.3   | 196.6   |
| 72.5° | 596.5  | 576.5  | 536.5  | 656.5   | 893.1   | 906.5   | 699.8   | 609.9   | 176.6   | 120.0   | 110.0   |
| 75°   | 289.9  | 286.6  | 246.6  | 203.3   | 193.3   | 160.0   | 123.3   | 113.3   | 80.0    | 76.6    | 66.7    |
| 77.5° | 60.0   | 56.7   | 30.0   | 30.0    | 33.3    | 36.7    | 46.7    | 46.7    | 56.7    | 56.7    | 46.7    |
| 80°   | 0.0    | 0.0    | 3.3    | 13.3    | 23.3    | 33.3    | 40.0    | 40.0    | 46.7    | 46.7    | 36.7    |
| 82.5° | 0.0    | 0.0    | 3.3    | 10.0    | 20.0    | 30.0    | 36.7    | 40.0    | 46.7    | 50.0    | 40.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 6.7     | 16.7    | 23.3    | 20.0    | 20.0    | 16.7    | 13.3    | 6.7     |
| 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     |

REPORT NUMBER: P531171

CATALOG NUMBER: GLAN-SA6C-722-U-SL3-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7894.9 | 7894.9 | 7894.9 | 7894.9 | 7894.9 | 7894.9 | 7894.9 | 7894.9 | 7894.9 | 7894.9 | 7894.9 |
| 2.5°  | 7778.2 | 7771.6 | 7618.3 | 7531.6 | 7375.0 | 7238.4 | 7128.4 | 7048.4 | 7048.4 | 6998.4 | 6951.8 |
| 5°    | 7558.3 | 7501.6 | 7175.0 | 6965.1 | 6668.5 | 6448.5 | 6298.6 | 6181.9 | 5998.6 | 6048.6 | 5852.0 |
| 7.5°  | 7285.0 | 7141.7 | 6708.5 | 6388.6 | 5978.6 | 5665.4 | 5345.5 | 5062.2 | 4788.9 | 4665.6 | 4732.3 |
| 10°   | 6991.8 | 6741.8 | 6158.6 | 5652.1 | 5142.2 | 4569.0 | 4195.7 | 3742.5 | 3462.6 | 3445.9 | 3372.6 |
| 12.5° | 6681.8 | 6398.6 | 5688.7 | 4988.9 | 4319.0 | 3629.2 | 3059.3 | 2636.1 | 2446.1 | 2236.2 | 2276.2 |
| 15°   | 6448.5 | 6028.6 | 5165.5 | 4322.4 | 3432.6 | 2736.0 | 2162.8 | 1836.3 | 1656.3 | 1606.3 | 1589.6 |
| 17.5° | 6195.3 | 5745.4 | 4632.3 | 3612.5 | 2692.7 | 1969.6 | 1556.3 | 1399.7 | 1329.7 | 1329.7 | 1319.7 |
| 20°   | 5932.0 | 5425.4 | 4102.4 | 2952.7 | 2019.5 | 1469.7 | 1246.4 | 1196.4 | 1193.1 | 1189.7 | 1189.7 |
| 22.5° | 5758.7 | 5058.9 | 3622.5 | 2346.1 | 1523.0 | 1176.4 | 1083.1 | 1063.1 | 1076.4 | 1116.4 | 1116.4 |
| 25°   | 5575.4 | 4705.6 | 3092.6 | 1809.6 | 1179.7 | 1009.8 | 956.5  | 969.8  | 1003.1 | 1039.8 | 1026.4 |
| 27.5° | 5388.8 | 4475.7 | 2592.7 | 1419.7 | 966.4  | 883.1  | 863.1  | 893.1  | 929.8  | 963.1  | 953.1  |
| 30°   | 5345.5 | 4229.0 | 2119.5 | 1076.4 | 829.8  | 769.8  | 783.2  | 809.8  | 846.5  | 859.8  | 873.1  |
| 32.5° | 5412.1 | 4035.8 | 1736.3 | 883.1  | 723.2  | 706.5  | 706.5  | 719.8  | 743.2  | 773.2  | 763.2  |
| 35°   | 5602.1 | 3925.8 | 1373.0 | 766.5  | 663.2  | 646.5  | 643.2  | 656.5  | 669.8  | 679.8  | 669.8  |
| 37.5° | 5892.0 | 3839.1 | 1123.1 | 679.8  | 623.2  | 596.5  | 589.9  | 586.5  | 599.9  | 603.2  | 609.9  |
| 40°   | 6261.9 | 3885.8 | 953.1  | 626.5  | 583.2  | 553.2  | 533.2  | 533.2  | 533.2  | 543.2  | 546.5  |
| 42.5° | 6661.8 | 3949.1 | 823.1  | 596.5  | 546.5  | 509.9  | 489.9  | 483.2  | 489.9  | 503.2  | 499.9  |
| 45°   | 7081.7 | 4072.4 | 739.8  | 549.9  | 513.2  | 466.6  | 439.9  | 433.2  | 449.9  | 476.6  | 473.2  |
| 47.5° | 7475.0 | 4249.0 | 676.5  | 519.9  | 479.9  | 436.6  | 403.2  | 396.6  | 426.6  | 463.2  | 466.6  |
| 50°   | 7868.2 | 4555.6 | 653.2  | 496.6  | 456.6  | 406.6  | 376.6  | 369.9  | 403.2  | 449.9  | 459.9  |
| 52.5° | 8321.5 | 4885.6 | 636.5  | 466.6  | 429.9  | 383.2  | 349.9  | 343.3  | 379.9  | 439.9  | 443.2  |
| 55°   | 8618.1 | 5165.5 | 623.2  | 413.2  | 379.9  | 346.6  | 319.9  | 316.6  | 356.6  | 409.9  | 423.2  |
| 57.5° | 8271.5 | 4775.6 | 576.5  | 359.9  | 323.3  | 306.6  | 283.3  | 283.3  | 316.6  | 366.6  | 376.6  |
| 60°   | 6271.9 | 3142.6 | 409.9  | 289.9  | 273.3  | 263.3  | 253.3  | 253.3  | 279.9  | 316.6  | 319.9  |
| 62.5° | 3672.5 | 1693.0 | 263.3  | 233.3  | 233.3  | 223.3  | 206.6  | 206.6  | 233.3  | 253.3  | 256.6  |
| 65°   | 1089.8 | 543.2  | 213.3  | 200.0  | 196.6  | 180.0  | 163.3  | 160.0  | 180.0  | 190.0  | 186.6  |
| 67.5° | 313.3  | 249.9  | 176.6  | 166.6  | 163.3  | 136.6  | 126.6  | 123.3  | 126.6  | 120.0  | 116.6  |
| 70°   | 186.6  | 170.0  | 136.6  | 140.0  | 123.3  | 100.0  | 90.0   | 86.6   | 80.0   | 70.0   | 63.3   |
| 72.5° | 103.3  | 103.3  | 100.0  | 106.6  | 86.6   | 66.7   | 56.7   | 46.7   | 36.7   | 30.0   | 26.7   |
| 75°   | 63.3   | 66.7   | 70.0   | 73.3   | 56.7   | 43.3   | 36.7   | 23.3   | 13.3   | 6.7    | 6.7    |
| 77.5° | 43.3   | 46.7   | 50.0   | 53.3   | 46.7   | 40.0   | 30.0   | 16.7   | 3.3    | 0.0    | 0.0    |
| 80°   | 33.3   | 36.7   | 43.3   | 46.7   | 50.0   | 53.3   | 40.0   | 16.7   | 3.3    | 0.0    | 0.0    |
| 82.5° | 36.7   | 40.0   | 50.0   | 46.7   | 46.7   | 46.7   | 36.7   | 16.7   | 3.3    | 0.0    | 0.0    |
| 85°   | 6.7    | 10.0   | 16.7   | 16.7   | 23.3   | 30.0   | 23.3   | 6.7    | 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    |

(END OF REPORT)