

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: P851476

Luminaire Tested: **GLAN-SB9C-722-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-722-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52853 lumens  
Efficiency: N/A  
Efficacy: 117.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

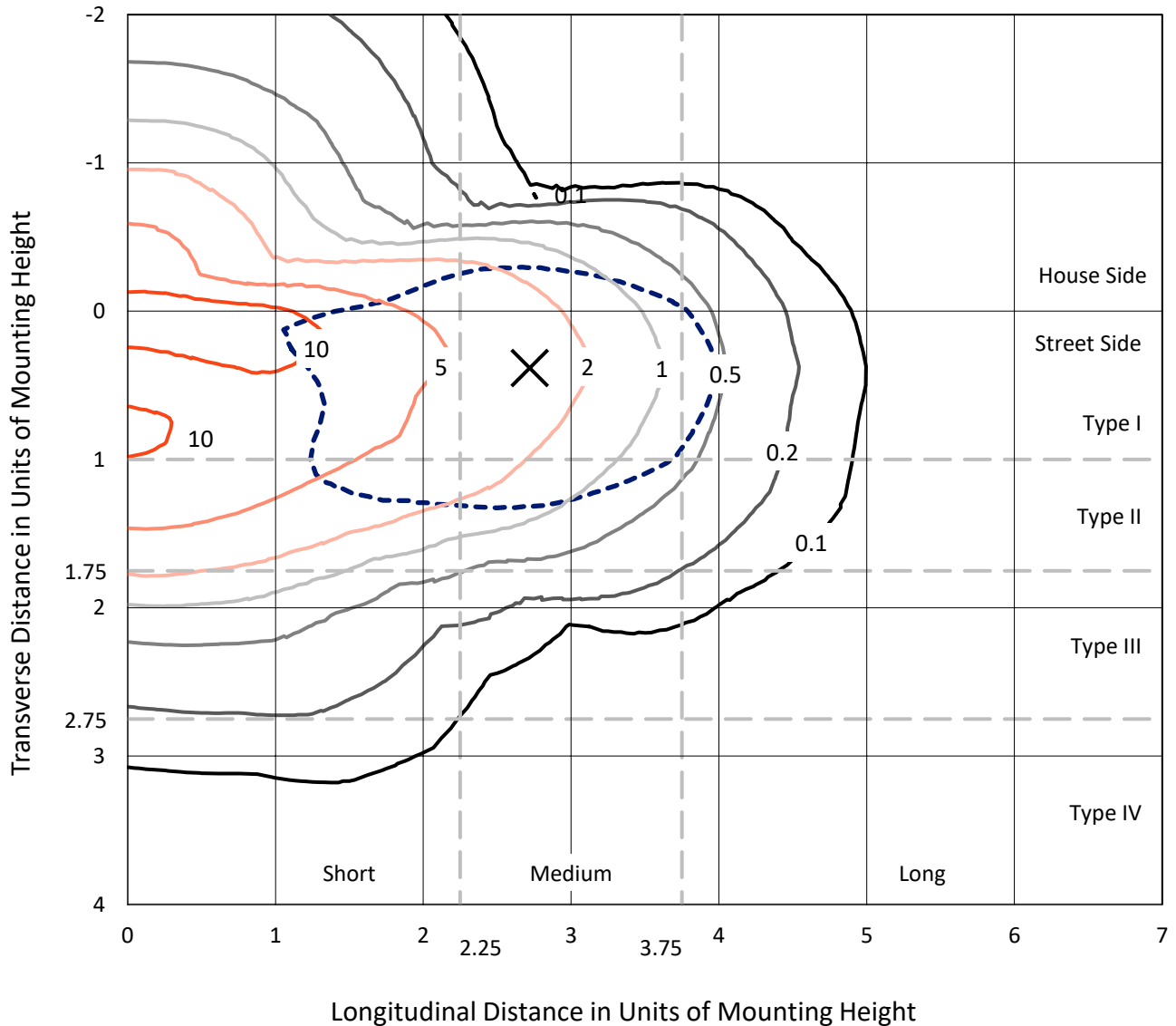
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

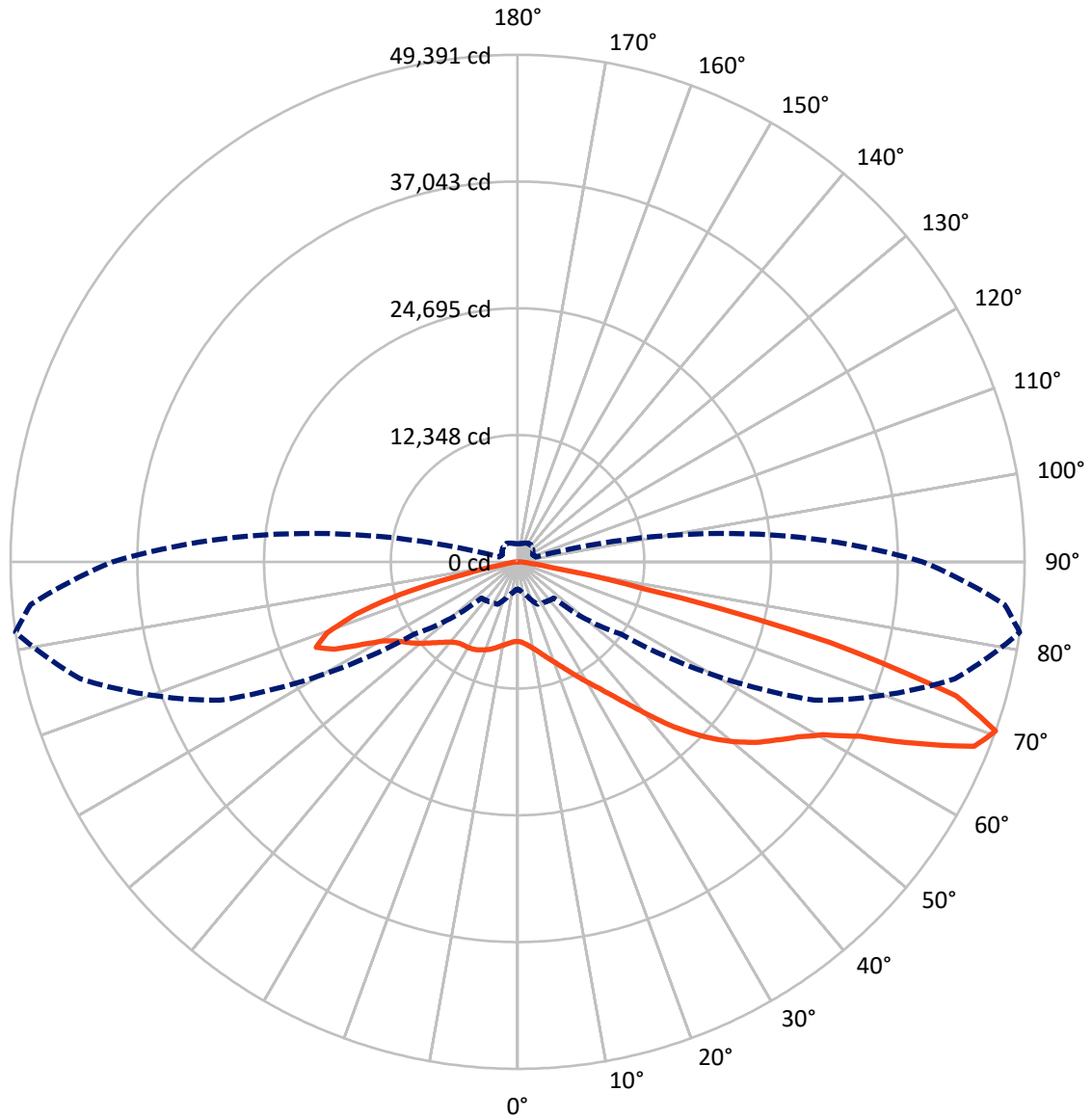
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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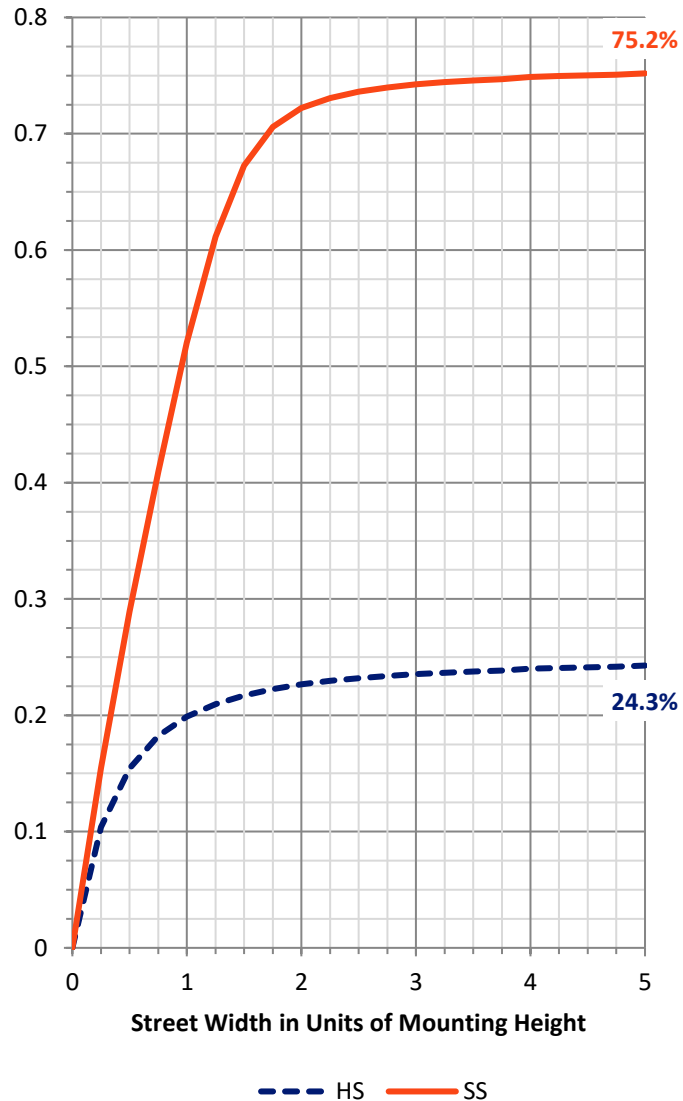
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13029.6  | 0.0    | 13029.6 |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 39823.4  | 0.0    | 39823.4 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 52853.0  | 0.0    | 52853.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 731.6   | 1.4       |
| 10°-20°   | 2102.0  | 4.0       |
| 20°-30°   | 3516.5  | 6.7       |
| 30°-40°   | 5493.7  | 10.4      |
| 40°-50°   | 8749.3  | 16.6      |
| 50°-60°   | 12175.7 | 23.0      |
| 60°-70°   | 12736.3 | 24.1      |
| 70°-80°   | 6656.7  | 12.6      |
| 80°-90°   | 691.2   | 1.3       |
| 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°    | 52853.0 | 100.0     |
| 0°-180°   | 52853.0 | 100.0     |

**Coefficient of Utilization**

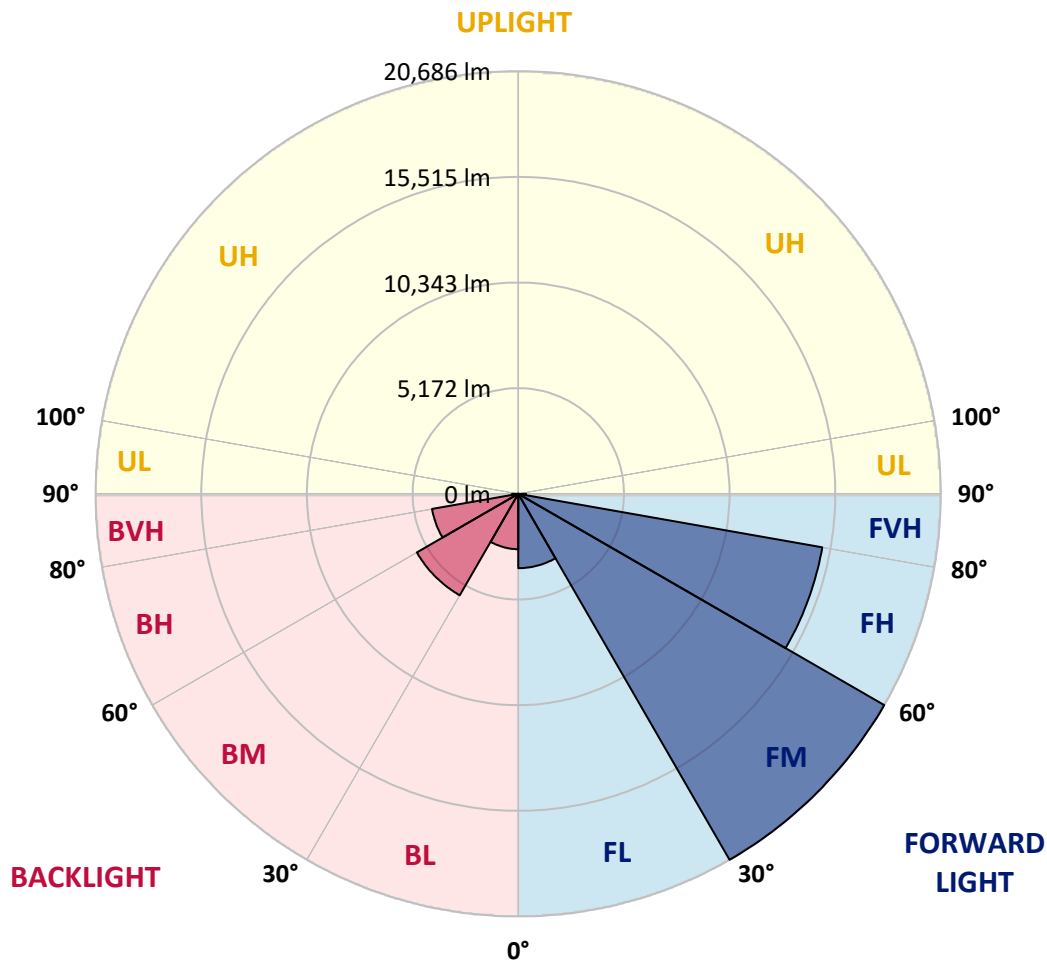


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3639.5  | 6.9       |                         |      |         |
| FM (30°-60°)   | 20686.1 | 39.1      |                         |      |         |
| FH (60°-80°)   | 15110.8 | 28.6      |                         |      | G5      |
| FVH (80°-90°)  | 387.0   | 0.7       |                         |      | G3/500  |
| BL (0°-30°)    | 2710.6  | 5.1       | B4/5000                 |      |         |
| BM (30°-60°)   | 5732.5  | 10.8      | B4/8500                 |      |         |
| BH (60°-80°)   | 4282.2  | 8.1       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 304.3   | 0.6       |                         |      | G3/500  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7748.9  | 7748.9  | 7748.9  | 7748.9  | 7748.9  | 7748.9  | 7748.9  | 7748.9  | 7748.9  | 7748.9  |
| 2.5°  | 7934.0  | 7978.9  | 7964.9  | 7950.8  | 7950.8  | 7931.2  | 7928.4  | 7900.4  | 7877.9  | 7841.5  |
| 5°    | 8035.0  | 8082.6  | 8077.0  | 8088.3  | 8124.7  | 8133.1  | 8141.5  | 8124.7  | 8079.8  | 8035.0  |
| 7.5°  | 7945.2  | 7998.5  | 8015.3  | 8082.6  | 8194.8  | 8295.8  | 8371.5  | 8402.4  | 8360.3  | 8295.8  |
| 10°   | 7642.3  | 7701.2  | 7760.1  | 7920.0  | 8119.1  | 8357.5  | 8559.4  | 8680.0  | 8671.6  | 8609.9  |
| 12.5° | 7028.1  | 7089.8  | 7216.1  | 7527.4  | 7891.9  | 8312.6  | 8688.4  | 8940.8  | 9027.8  | 8982.9  |
| 15°   | 6537.4  | 6590.6  | 6686.0  | 7005.7  | 7479.7  | 8119.1  | 8736.1  | 9226.9  | 9448.5  | 9423.2  |
| 17.5° | 6523.3  | 6545.8  | 6604.7  | 6756.1  | 7120.7  | 7816.2  | 8685.6  | 9507.3  | 9930.8  | 9928.0  |
| 20°   | 6770.1  | 6778.5  | 6812.2  | 6843.0  | 7050.6  | 7586.2  | 8556.6  | 9740.1  | 10472.1 | 10472.1 |
| 22.5° | 7112.3  | 7106.7  | 7140.3  | 7112.3  | 7213.2  | 7566.6  | 8475.3  | 9944.9  | 11075.1 | 11120.0 |
| 25°   | 7625.5  | 7597.5  | 7589.1  | 7524.5  | 7544.2  | 7748.9  | 8565.0  | 10177.6 | 11790.2 | 11882.8 |
| 27.5° | 8309.8  | 8264.9  | 8234.1  | 8085.5  | 8035.0  | 8124.7  | 8839.9  | 10458.1 | 12586.7 | 12746.6 |
| 30°   | 9201.7  | 9120.3  | 9075.5  | 8817.4  | 8635.1  | 8649.2  | 9254.9  | 10831.1 | 13419.7 | 13677.7 |
| 32.5° | 10418.8 | 10292.6 | 10172.0 | 9748.5  | 9414.8  | 9305.4  | 9790.6  | 11347.1 | 14322.7 | 14735.0 |
| 35°   | 11781.8 | 11680.9 | 11551.9 | 10898.4 | 10385.2 | 10132.8 | 10514.2 | 12067.9 | 15380.0 | 16033.5 |
| 37.5° | 13094.3 | 13007.4 | 13069.1 | 12188.5 | 11526.6 | 11159.2 | 11462.1 | 13035.4 | 16684.1 | 17648.9 |
| 40°   | 14451.7 | 14384.4 | 14392.8 | 13551.5 | 12780.2 | 12368.0 | 12612.0 | 14249.8 | 18179.0 | 19570.0 |
| 42.5° | 15926.9 | 15876.4 | 15708.2 | 14962.2 | 14095.6 | 13711.3 | 13935.7 | 15652.1 | 19783.1 | 21757.5 |
| 45°   | 17578.8 | 17547.9 | 17390.9 | 16535.5 | 15542.7 | 15110.8 | 15413.7 | 17200.2 | 21395.7 | 23816.1 |
| 47.5° | 19006.3 | 19031.5 | 19011.9 | 18291.1 | 17261.9 | 16628.0 | 16989.8 | 18815.6 | 22896.2 | 25751.2 |
| 50°   | 19693.4 | 19825.2 | 20018.7 | 19794.4 | 19154.9 | 18509.9 | 18580.0 | 20374.9 | 24326.5 | 27565.7 |
| 52.5° | 19334.4 | 19584.0 | 20111.3 | 20470.2 | 20717.0 | 20582.4 | 20394.5 | 21923.0 | 25672.6 | 29203.5 |
| 55°   | 17996.7 | 18347.2 | 19222.2 | 20088.8 | 21348.1 | 22326.8 | 22573.6 | 23639.4 | 26985.2 | 30645.1 |
| 57.5° | 15559.5 | 16128.8 | 16914.1 | 18666.9 | 20787.2 | 23171.0 | 25114.5 | 26020.4 | 28376.2 | 32184.8 |
| 60°   | 11380.8 | 12143.6 | 13119.6 | 15727.8 | 18824.0 | 22719.5 | 27276.8 | 29677.5 | 30353.4 | 34178.8 |
| 62.5° | 7283.4  | 7754.5  | 8652.0  | 11108.7 | 14667.7 | 20405.7 | 27938.7 | 34248.9 | 33704.8 | 37448.9 |
| 65°   | 4986.5  | 5289.3  | 6111.1  | 7490.9  | 9482.1  | 15189.3 | 26166.2 | 37676.0 | 39027.8 | 42631.6 |
| 67.5° | 3623.5  | 3853.4  | 4554.6  | 5763.3  | 6178.4  | 8988.5  | 20304.8 | 37519.0 | 44202.2 | 47971.5 |
| 70°   | 2641.9  | 2804.5  | 3393.5  | 4554.6  | 4753.7  | 5000.5  | 12300.7 | 31893.1 | 44090.0 | 49390.5 |
| 72.5° | 1957.6  | 2069.7  | 2465.2  | 3533.7  | 3847.8  | 3376.7  | 6088.6  | 23179.4 | 37886.4 | 44673.3 |
| 75°   | 1416.3  | 1500.4  | 1792.1  | 2703.6  | 3079.4  | 2571.8  | 3037.3  | 13545.9 | 26427.1 | 31424.7 |
| 77.5° | 1082.5  | 1147.1  | 1337.8  | 1980.0  | 2465.2  | 1929.5  | 1884.6  | 6231.7  | 12530.6 | 12592.3 |
| 80°   | 869.4   | 911.5   | 1015.2  | 1393.9  | 1890.3  | 1444.3  | 1228.4  | 2515.7  | 3960.0  | 3351.4  |
| 82.5° | 639.4   | 709.5   | 858.2   | 978.8   | 1351.8  | 995.6   | 748.8   | 1270.5  | 1506.0  | 1295.7  |
| 85°   | 364.6   | 412.3   | 518.8   | 701.1   | 863.8   | 608.6   | 429.1   | 563.7   | 701.1   | 574.9   |
| 87.5° | 129.0   | 168.3   | 182.3   | 274.8   | 375.8   | 252.4   | 165.5   | 162.7   | 230.0   | 171.1   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P851476  
 CATALOG NUMBER: GLAN-SB9C-722-U-T2

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7748.9  | 0°    | 7748.9  | 7748.9  | 7748.9 | 7748.9 | 7748.9 | 7748.9 | 7748.9 | 7748.9 | 7748.9 | 7748.9 |
| 7833.0  | 2.5°  | 7805.0  | 7791.0  | 7734.9 | 7659.2 | 7580.6 | 7504.9 | 7479.7 | 7426.4 | 7389.9 | 7370.3 |
| 8015.3  | 5°    | 7962.1  | 7917.2  | 7785.4 | 7617.1 | 7440.4 | 7249.7 | 7115.1 | 6991.7 | 6901.9 | 6817.8 |
| 8264.9  | 7.5°  | 8186.4  | 8107.9  | 7880.7 | 7586.2 | 7272.1 | 6955.2 | 6719.6 | 6540.2 | 6419.6 | 6341.0 |
| 8556.6  | 10°   | 8447.2  | 8326.6  | 7978.9 | 7538.6 | 7053.4 | 6599.1 | 6321.4 | 6167.2 | 6091.4 | 6049.4 |
| 8890.4  | 12.5° | 8747.3  | 8576.2  | 8079.8 | 7429.2 | 6719.6 | 6200.8 | 6010.1 | 5965.2 | 5968.0 | 5970.8 |
| 9311.0  | 15°   | 9117.5  | 8879.1  | 8161.2 | 7190.8 | 6284.9 | 5895.1 | 5861.5 | 5934.4 | 6010.1 | 6046.6 |
| 9787.8  | 17.5° | 9535.4  | 9198.9  | 8175.2 | 6798.2 | 5858.7 | 5698.8 | 5805.4 | 5962.4 | 6077.4 | 6127.9 |
| 10320.7 | 20°   | 9984.1  | 9524.2  | 8074.2 | 6242.9 | 5508.1 | 5538.9 | 5729.7 | 5931.6 | 6057.8 | 6122.3 |
| 10929.2 | 22.5° | 10497.3 | 9871.9  | 7833.0 | 5659.5 | 5222.0 | 5365.1 | 5589.4 | 5785.7 | 5917.6 | 5982.1 |
| 11644.4 | 25°   | 11083.5 | 10261.8 | 7454.4 | 5168.7 | 4975.2 | 5168.7 | 5393.1 | 5555.8 | 5662.3 | 5721.2 |
| 12443.7 | 27.5° | 11734.1 | 10668.4 | 6949.6 | 4778.9 | 4759.3 | 4966.8 | 5151.9 | 5278.1 | 5334.2 | 5379.1 |
| 13293.5 | 30°   | 12387.6 | 11038.6 | 6338.2 | 4484.4 | 4571.4 | 4767.7 | 4899.5 | 4955.6 | 4972.4 | 4980.8 |
| 14241.4 | 32.5° | 13094.3 | 11358.3 | 5696.0 | 4240.4 | 4391.9 | 4574.2 | 4652.7 | 4678.0 | 4599.4 | 4546.1 |
| 15391.2 | 35°   | 13949.7 | 11700.5 | 5067.8 | 4046.9 | 4215.2 | 4372.3 | 4397.5 | 4375.1 | 4282.5 | 4173.1 |
| 16832.8 | 37.5° | 15007.0 | 12126.8 | 4565.8 | 3909.5 | 4049.7 | 4153.5 | 4122.7 | 4117.0 | 4125.5 | 3996.5 |
| 18566.0 | 40°   | 16302.7 | 12682.1 | 4198.4 | 3802.9 | 3915.1 | 3937.6 | 3850.6 | 3898.3 | 3940.4 | 3744.0 |
| 20467.4 | 42.5° | 17741.4 | 13352.4 | 3965.6 | 3730.0 | 3802.9 | 3749.7 | 3615.0 | 3668.3 | 3662.7 | 3404.7 |
| 22377.3 | 45°   | 19208.2 | 14081.5 | 3884.3 | 3676.7 | 3699.2 | 3592.6 | 3444.0 | 3458.0 | 3340.2 | 3107.4 |
| 24208.7 | 47.5° | 20666.6 | 14864.0 | 3934.8 | 3631.9 | 3570.2 | 3449.6 | 3334.6 | 3272.9 | 3099.0 | 2925.1 |
| 25964.3 | 50°   | 22096.9 | 15685.7 | 4119.9 | 3542.1 | 3393.5 | 3323.4 | 3239.2 | 3129.9 | 2944.8 | 2796.1 |
| 27624.6 | 52.5° | 23423.4 | 16513.1 | 4327.4 | 3393.5 | 3171.9 | 3214.0 | 3160.7 | 3034.5 | 2852.2 | 2700.8 |
| 29195.1 | 55°   | 24679.8 | 17340.4 | 4408.7 | 3188.7 | 2964.4 | 3118.6 | 3087.8 | 2855.0 | 2636.3 | 2512.9 |
| 30838.6 | 57.5° | 26048.5 | 18336.0 | 4319.0 | 2927.9 | 2796.1 | 3009.3 | 2891.5 | 2633.5 | 2507.2 | 2414.7 |
| 32978.4 | 60°   | 27944.3 | 19898.1 | 4125.5 | 2605.4 | 2636.3 | 2846.6 | 2644.7 | 2538.1 | 2400.7 | 2296.9 |
| 36186.8 | 62.5° | 31093.8 | 22812.0 | 3814.2 | 2285.7 | 2448.4 | 2605.4 | 2526.9 | 2420.3 | 2280.1 | 2179.1 |
| 41672.5 | 65°   | 35749.3 | 26861.8 | 3228.0 | 2036.1 | 2238.0 | 2369.8 | 2400.7 | 2294.1 | 2148.3 | 2041.7 |
| 46479.4 | 67.5° | 39675.7 | 29402.7 | 2442.7 | 1828.6 | 2022.1 | 2179.1 | 2266.1 | 2162.3 | 2008.0 | 1904.3 |
| 47604.1 | 70°   | 39459.7 | 27557.3 | 1865.0 | 1623.8 | 1831.4 | 1991.2 | 2103.4 | 2022.1 | 1856.6 | 1758.4 |
| 43240.2 | 72.5° | 35048.2 | 23053.2 | 1508.8 | 1416.3 | 1637.8 | 1794.9 | 1929.5 | 1867.8 | 1699.5 | 1604.2 |
| 31677.1 | 75°   | 25748.4 | 16364.4 | 1205.9 | 1205.9 | 1396.7 | 1590.2 | 1738.8 | 1699.5 | 1545.3 | 1478.0 |
| 13299.1 | 77.5° | 10853.5 | 6865.5  | 945.1  | 1001.2 | 1161.1 | 1365.8 | 1550.9 | 1564.9 | 1430.3 | 1514.4 |
| 3516.9  | 80°   | 2885.9  | 1893.1  | 720.8  | 788.1  | 911.5  | 1127.4 | 1349.0 | 1343.4 | 1197.5 | 1119.0 |
| 1306.9  | 82.5° | 1099.4  | 746.0   | 513.2  | 555.3  | 659.1  | 863.8  | 1068.5 | 1102.2 | 956.3  | 827.3  |
| 513.2   | 85°   | 423.5   | 319.7   | 316.9  | 333.7  | 384.2  | 572.1  | 807.7  | 835.7  | 720.8  | 611.4  |
| 143.0   | 87.5° | 109.4   | 95.4    | 117.8  | 112.2  | 176.7  | 305.7  | 462.7  | 479.6  | 440.3  | 255.2  |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 7748.9 |
| 7392.7 |
| 6851.5 |
| 6357.9 |
| 6060.6 |
| 5976.4 |
| 6043.8 |
| 6139.1 |
| 6139.1 |
| 5998.9 |
| 5738.1 |
| 5395.9 |
| 5000.5 |
| 4563.0 |
| 4178.7 |
| 4004.9 |
| 3749.7 |
| 3401.9 |
| 3115.8 |
| 2925.1 |
| 2784.9 |
| 2703.6 |
| 2501.6 |
| 2406.3 |
| 2291.3 |
| 2179.1 |
| 2047.3 |
| 1907.1 |
| 1766.9 |
| 1604.2 |
| 1458.4 |
| 1374.2 |
| 1040.5 |
| 827.3  |
| 631.0  |
| 364.6  |
| 0.0    |

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