

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: P957034

Luminaire Tested: **GLAN-SB9C-735-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-735-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 69375 lumens  
Efficiency: N/A  
Efficacy: 154.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

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

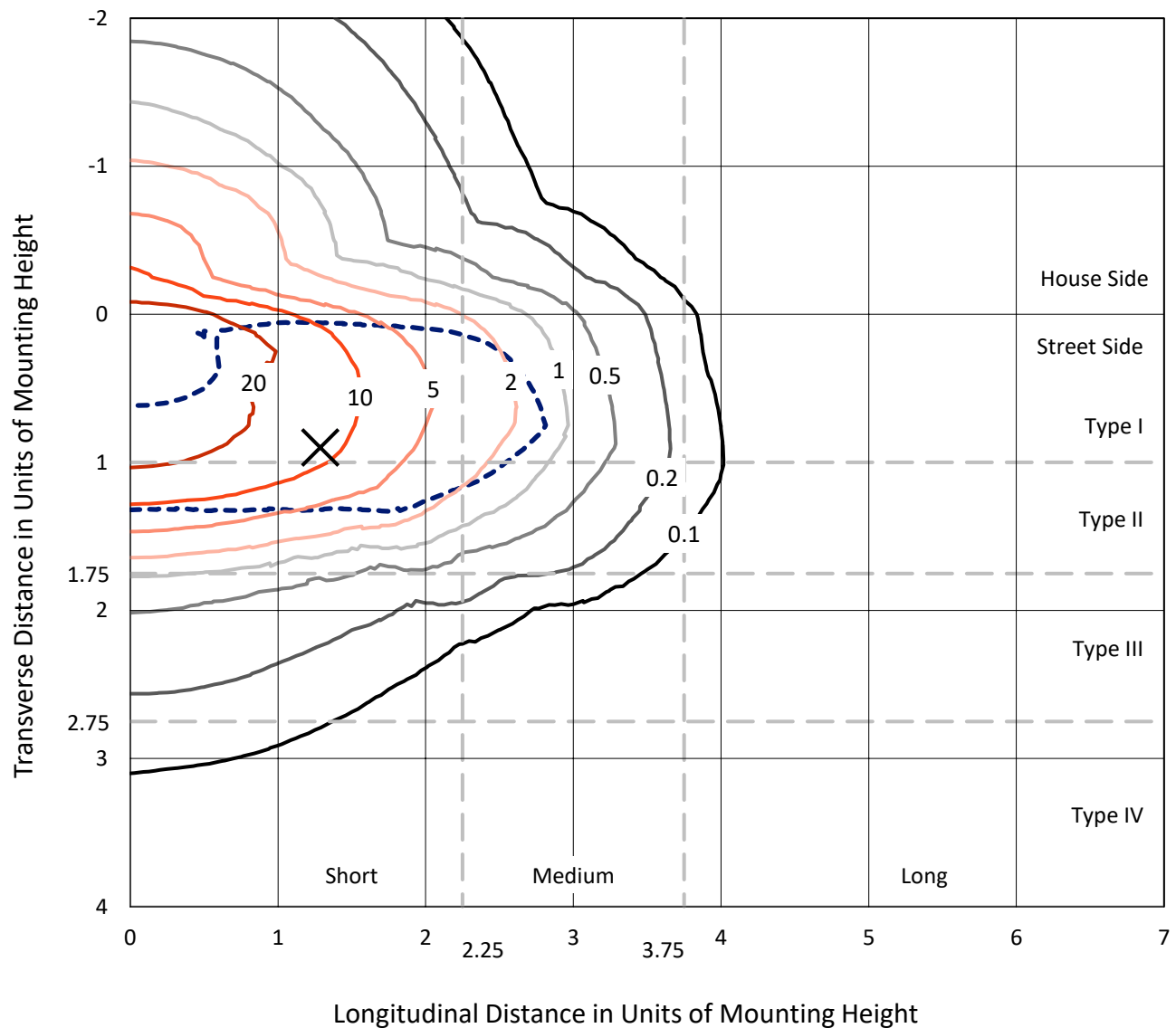


REPORT NUMBER: P957034

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## Iso-Footcandle Lines of Horizontal Illumination

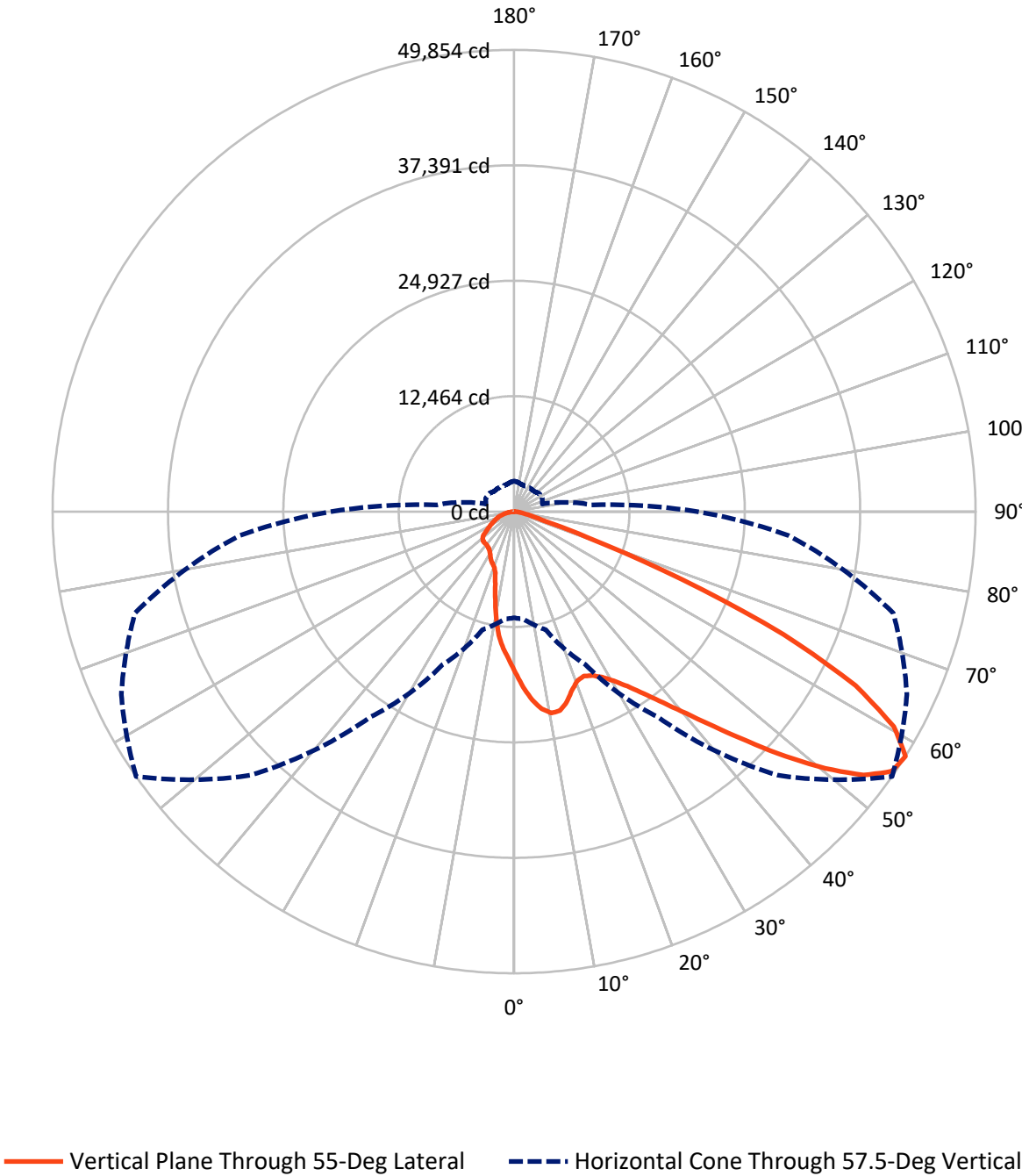
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 33.6 fc  
Type II - Short - N/A

REPORT NUMBER: P957034  
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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12553.1  | 0.0    | 12553.1 |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 56821.9  | 0.0    | 56821.9 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 69375.0  | 0.0    | 69375.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1613.0  | 2.3       |
| 10°-20°   | 4071.4  | 5.9       |
| 20°-30°   | 6496.8  | 9.4       |
| 30°-40°   | 10286.1 | 14.8      |
| 40°-50°   | 15743.9 | 22.7      |
| 50°-60°   | 16863.2 | 24.3      |
| 60°-70°   | 10608.7 | 15.3      |
| 70°-80°   | 3137.2  | 4.5       |
| 80°-90°   | 554.7   | 0.8       |
| 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°    | 69375.0 | 100.0     |
| 0°-180°   | 69375.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P957034

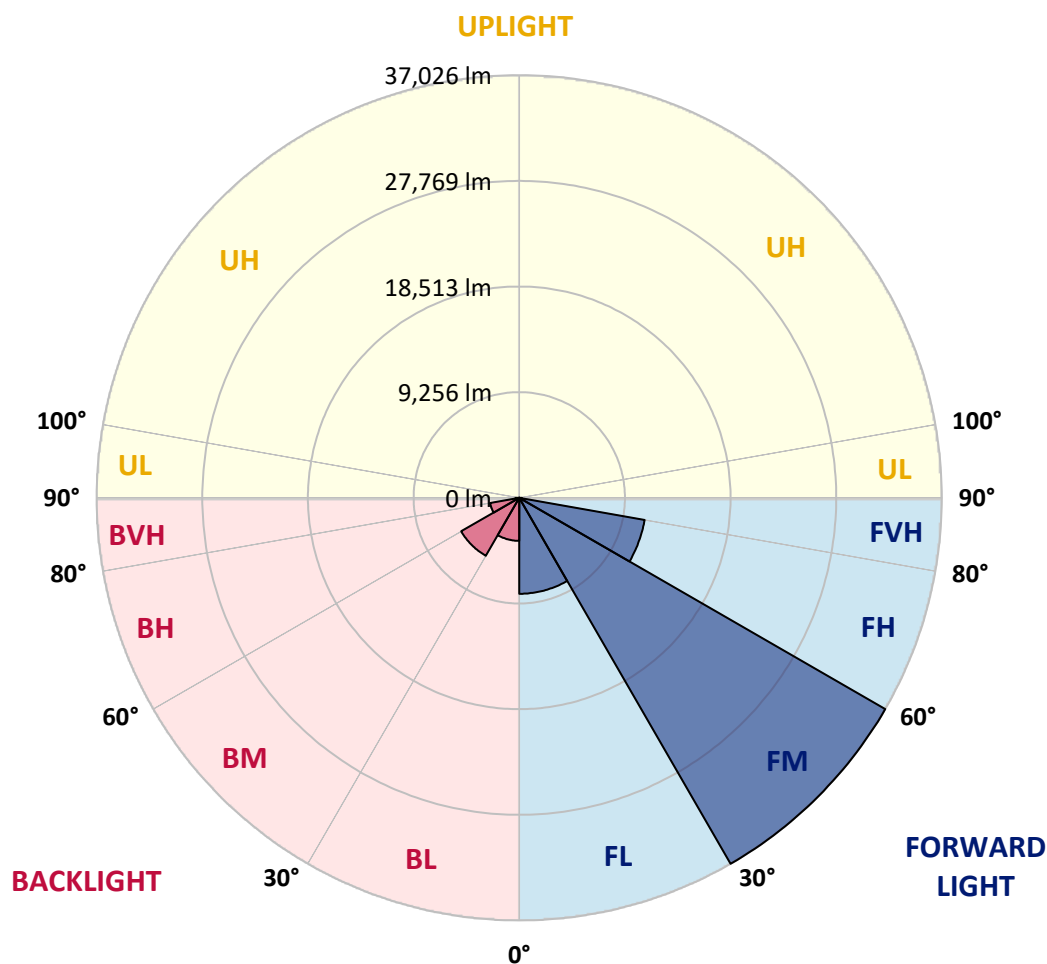
CATALOG NUMBER: GLAN-SB9C-735-U-AFL

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 8408.2  | 12.1      |                         |      |          |
| FM   | (30°-60°)   | 37025.9 | 53.4      |                         |      |          |
| FH   | (60°-80°)   | 11153.4 | 16.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 234.4   | 0.3       |                         |      | G3/500   |
| BL   | (0°-30°)    | 3773.0  | 5.4       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 5867.2  | 8.5       | B4/8500                 |      |          |
| BH   | (60°-80°)   | 2592.5  | 3.7       | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 320.3   | 0.5       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Short



REPORT NUMBER: P957034

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 |
| 2.5°  | 19943.8 | 19929.4 | 20008.3 | 19739.4 | 19556.5 | 19309.0 | 18982.6 | 18566.6 | 18118.3 | 17644.9 |
| 5°    | 21740.6 | 21615.0 | 21697.5 | 21496.7 | 21295.9 | 20922.9 | 20438.7 | 19760.9 | 18932.4 | 17989.2 |
| 7.5°  | 21457.2 | 21371.2 | 21582.8 | 21762.1 | 21912.7 | 21866.1 | 21511.0 | 20800.9 | 19732.2 | 18362.2 |
| 10°   | 19172.7 | 19075.9 | 19373.6 | 19994.0 | 20904.9 | 21697.5 | 22127.9 | 21686.8 | 20549.9 | 18771.0 |
| 12.5° | 17157.2 | 17110.6 | 17307.8 | 17809.9 | 18821.3 | 20341.9 | 22049.0 | 22461.4 | 21399.9 | 19255.2 |
| 15°   | 16296.5 | 16239.1 | 16364.6 | 16619.2 | 17264.8 | 18681.4 | 21331.7 | 22992.2 | 22235.5 | 19814.7 |
| 17.5° | 16106.4 | 16041.8 | 16095.6 | 16228.3 | 16644.3 | 17723.8 | 20248.6 | 23254.0 | 23107.0 | 20438.7 |
| 20°   | 16457.8 | 16404.0 | 16411.2 | 16404.0 | 16694.5 | 17551.7 | 19495.5 | 23153.6 | 23867.3 | 21012.5 |
| 22.5° | 17307.8 | 17218.2 | 17221.7 | 17031.7 | 17189.5 | 17852.9 | 19298.2 | 22884.6 | 24545.1 | 21514.6 |
| 25°   | 18692.1 | 18530.8 | 18563.0 | 18078.9 | 18035.8 | 18527.2 | 19606.7 | 22676.6 | 25219.3 | 21916.3 |
| 27.5° | 20585.7 | 20402.8 | 20306.0 | 19585.2 | 19240.9 | 19484.7 | 20234.3 | 22748.3 | 25857.7 | 22264.2 |
| 30°   | 22952.8 | 22730.4 | 22533.1 | 21511.0 | 20887.0 | 20797.3 | 21209.8 | 23221.7 | 26610.8 | 22630.0 |
| 32.5° | 25854.1 | 25595.9 | 25237.3 | 23881.6 | 23003.0 | 22533.1 | 22472.2 | 24064.5 | 27493.1 | 23096.2 |
| 35°   | 29307.8 | 28970.7 | 28461.4 | 26707.7 | 25595.9 | 24634.8 | 24136.3 | 25280.3 | 28701.7 | 23799.1 |
| 37.5° | 32865.5 | 32485.3 | 32019.1 | 29931.8 | 28565.4 | 27148.8 | 26166.1 | 26930.0 | 30312.0 | 24753.1 |
| 40°   | 36147.0 | 35720.2 | 35286.3 | 33428.5 | 31961.7 | 30254.6 | 28651.5 | 29017.3 | 32280.9 | 25893.6 |
| 42.5° | 38083.6 | 37768.0 | 37603.1 | 36598.9 | 35465.6 | 33733.4 | 31742.9 | 31491.9 | 34493.7 | 27206.2 |
| 45°   | 37997.6 | 37868.5 | 38377.7 | 38793.7 | 38524.8 | 37563.6 | 35365.2 | 34228.3 | 36713.6 | 28343.1 |
| 47.5° | 35967.7 | 36053.8 | 37190.6 | 39528.9 | 40558.2 | 41060.3 | 39489.5 | 36914.5 | 38643.1 | 29193.0 |
| 50°   | 30444.7 | 30516.4 | 33148.8 | 38191.2 | 41081.8 | 43911.5 | 43581.5 | 39536.1 | 40138.6 | 29713.1 |
| 52.5° | 26072.9 | 26119.5 | 27249.2 | 34224.7 | 39353.2 | 45346.0 | 47268.3 | 42007.1 | 41232.5 | 29856.5 |
| 55°   | 19638.9 | 19800.3 | 21066.3 | 26851.1 | 34855.9 | 44209.2 | 49513.4 | 44553.4 | 41924.6 | 29870.9 |
| 57.5° | 11472.8 | 11648.5 | 13212.2 | 18225.9 | 27091.4 | 40246.2 | 49854.1 | 46812.9 | 42394.4 | 29756.1 |
| 60°   | 5619.8  | 5695.2  | 6376.6  | 9579.2  | 16705.3 | 32610.8 | 47114.1 | 47906.7 | 42656.3 | 29695.1 |
| 62.5° | 3787.2  | 3776.4  | 3805.1  | 4726.8  | 8230.7  | 20951.6 | 41404.6 | 45991.6 | 42516.4 | 29462.0 |
| 65°   | 3256.4  | 3217.0  | 3109.4  | 3317.4  | 4264.2  | 9582.8  | 31990.4 | 40274.9 | 41451.2 | 28877.4 |
| 67.5° | 2815.3  | 2818.9  | 2822.5  | 2757.9  | 3044.8  | 4422.0  | 19549.3 | 31725.0 | 37628.2 | 26108.8 |
| 70°   | 2331.1  | 2363.4  | 2377.8  | 2377.8  | 2481.8  | 2901.4  | 8345.5  | 21744.1 | 29680.8 | 20471.0 |
| 72.5° | 2123.1  | 2055.0  | 2062.2  | 2026.3  | 2026.3  | 2209.2  | 3360.4  | 12326.3 | 18699.3 | 11515.8 |
| 75°   | 1732.2  | 1775.3  | 1782.4  | 1757.3  | 1674.8  | 1685.6  | 1994.0  | 5171.5  | 8001.2  | 4777.0  |
| 77.5° | 1495.5  | 1495.5  | 1509.9  | 1491.9  | 1427.4  | 1262.4  | 1330.5  | 2004.8  | 2722.1  | 1958.2  |
| 80°   | 1201.4  | 1197.8  | 1258.8  | 1294.7  | 1194.3  | 932.5   | 850.0   | 1108.2  | 1208.6  | 860.7   |
| 82.5° | 584.6   | 620.4   | 864.3   | 986.3   | 907.4   | 674.2   | 520.0   | 688.6   | 645.5   | 380.2   |
| 85°   | 340.7   | 322.8   | 387.3   | 548.7   | 520.0   | 373.0   | 251.0   | 358.6   | 337.1   | 193.7   |
| 87.5° | 107.6   | 100.4   | 78.9    | 186.5   | 150.6   | 104.0   | 68.1    | 104.0   | 93.2    | 43.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P957034

CATALOG NUMBER: GLAN-SB9C-735-U-AFL

**CANDELA DISTRIBUTION (continued):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 17383.1 | 0°    | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 | 17383.1 |
| 17440.5 | 2.5°  | 17185.9 | 16762.7 | 16343.1 | 15959.3 | 15726.2 | 15575.6 | 15425.0 | 15256.4 | 15191.9 | 15095.0 |
| 17487.1 | 5°    | 17013.7 | 16196.0 | 15468.0 | 14840.4 | 14270.2 | 13821.9 | 13370.0 | 13004.2 | 12839.2 | 12950.4 |
| 17634.2 | 7.5°  | 16913.3 | 15729.8 | 14607.3 | 13456.1 | 12347.9 | 11462.0 | 10691.0 | 10149.4 | 9905.5  | 9966.5  |
| 17777.6 | 10°   | 16823.6 | 15202.6 | 13491.9 | 11673.6 | 10081.3 | 8983.9  | 8194.8  | 7782.4  | 7628.2  | 7660.5  |
| 17971.3 | 12.5° | 16741.2 | 14610.9 | 12147.0 | 9754.9  | 8062.2  | 7337.7  | 7111.8  | 7115.4  | 7144.0  | 7165.6  |
| 18279.7 | 15°   | 16726.8 | 13897.2 | 10644.3 | 8076.5  | 6971.9  | 6925.3  | 7169.1  | 7323.4  | 7405.8  | 7431.0  |
| 18537.9 | 17.5° | 16705.3 | 13043.6 | 9113.0  | 6932.4  | 6706.5  | 7022.1  | 7248.0  | 7348.5  | 7413.0  | 7416.6  |
| 18789.0 | 20°   | 16619.2 | 11960.5 | 7699.9  | 6387.3  | 6649.1  | 6921.7  | 7061.6  | 7140.5  | 7194.3  | 7212.2  |
| 18979.1 | 22.5° | 16353.8 | 10755.5 | 6598.9  | 6143.4  | 6419.6  | 6638.4  | 6803.3  | 6893.0  | 6925.3  | 6946.8  |
| 19014.9 | 25°   | 15876.8 | 9407.0  | 5838.6  | 5910.3  | 6100.4  | 6376.6  | 6509.3  | 6527.2  | 6516.4  | 6548.7  |
| 18925.3 | 27.5° | 15252.8 | 7961.7  | 5365.2  | 5594.7  | 5838.6  | 6075.3  | 6147.0  | 6136.3  | 6114.8  | 6150.6  |
| 18771.0 | 30°   | 14499.7 | 6663.5  | 5064.0  | 5239.7  | 5573.2  | 5788.4  | 5853.0  | 5827.8  | 5784.8  | 5824.3  |
| 18692.1 | 32.5° | 13703.5 | 5601.9  | 4816.5  | 4992.2  | 5354.4  | 5566.0  | 5630.6  | 5605.5  | 5573.2  | 5605.5  |
| 18781.8 | 35°   | 12961.1 | 4859.5  | 4587.0  | 4827.3  | 5182.3  | 5390.3  | 5472.8  | 5476.4  | 5476.4  | 5515.8  |
| 19018.5 | 37.5° | 12279.7 | 4425.6  | 4396.9  | 4723.2  | 5064.0  | 5250.4  | 5368.8  | 5376.0  | 5221.8  | 5232.5  |
| 19420.2 | 40°   | 11648.5 | 4242.7  | 4310.8  | 4655.1  | 4949.2  | 5128.5  | 5135.7  | 4734.0  | 4450.7  | 4443.5  |
| 19879.2 | 42.5° | 11132.1 | 4206.8  | 4335.9  | 4647.9  | 4866.7  | 4873.9  | 4368.2  | 4056.2  | 3977.3  | 3980.9  |
| 20302.4 | 45°   | 10647.9 | 4196.0  | 4393.3  | 4647.9  | 4744.8  | 4210.4  | 3869.7  | 3787.2  | 3794.4  | 3823.1  |
| 20492.5 | 47.5° | 10106.4 | 4153.0  | 4404.1  | 4583.4  | 4393.3  | 3744.2  | 3643.7  | 3607.9  | 3593.5  | 3600.7  |
| 20449.5 | 50°   | 9514.6  | 3998.8  | 4267.8  | 4454.3  | 3790.8  | 3543.3  | 3417.8  | 3407.0  | 3425.0  | 3435.7  |
| 20209.2 | 52.5° | 8890.6  | 3747.8  | 4034.7  | 4221.2  | 3514.6  | 3367.6  | 3227.7  | 3252.8  | 3331.7  | 3356.8  |
| 19958.1 | 55°   | 8481.8  | 3453.7  | 3726.2  | 3754.9  | 3321.0  | 3202.6  | 3084.3  | 3141.7  | 3288.7  | 3335.3  |
| 19807.5 | 57.5° | 8374.2  | 3141.7  | 3374.8  | 3342.5  | 3073.5  | 3059.2  | 2987.4  | 3037.7  | 3224.1  | 3292.3  |
| 19800.3 | 60°   | 8341.9  | 2861.9  | 3030.5  | 3005.4  | 2833.2  | 2901.4  | 2883.4  | 2908.5  | 2973.1  | 2994.6  |
| 19728.6 | 62.5° | 8090.8  | 2639.6  | 2722.1  | 2686.2  | 2618.0  | 2736.4  | 2779.4  | 2725.6  | 2775.8  | 2801.0  |
| 19237.3 | 65°   | 7452.5  | 2460.2  | 2420.8  | 2395.7  | 2424.4  | 2532.0  | 2618.0  | 2510.5  | 2557.1  | 2628.8  |
| 17343.7 | 67.5° | 6398.1  | 2216.4  | 2108.8  | 2137.5  | 2227.1  | 2284.5  | 2395.7  | 2273.8  | 2313.2  | 2435.1  |
| 13968.9 | 70°   | 5175.1  | 1907.9  | 1811.1  | 1893.6  | 1979.7  | 2098.0  | 2116.0  | 2033.5  | 2126.7  | 2263.0  |
| 8524.8  | 72.5° | 3661.7  | 1595.9  | 1527.8  | 1696.4  | 1725.0  | 1879.3  | 1839.8  | 1800.4  | 1929.5  | 1976.1  |
| 4214.0  | 75°   | 2539.1  | 1287.5  | 1248.1  | 1377.2  | 1481.2  | 1613.9  | 1585.2  | 1631.8  | 1904.4  | 1925.9  |
| 2105.2  | 77.5° | 1606.7  | 1000.6  | 975.5   | 1058.0  | 1201.4  | 1348.5  | 1395.1  | 1925.9  | 3252.8  | 3381.9  |
| 1093.8  | 80°   | 932.5   | 746.0   | 717.3   | 781.8   | 907.4   | 1043.6  | 1344.9  | 2363.4  | 2144.6  | 2119.5  |
| 491.3   | 82.5° | 520.0   | 512.9   | 477.0   | 494.9   | 606.1   | 753.1   | 1900.8  | 1664.1  | 1352.1  | 1395.1  |
| 197.3   | 85°   | 243.9   | 301.3   | 258.2   | 247.5   | 340.7   | 882.2   | 1269.6  | 950.4   | 631.2   | 616.9   |
| 43.0    | 87.5° | 64.6    | 57.4    | 57.4    | 64.6    | 143.5   | 760.3   | 505.7   | 405.3   | 240.3   | 233.1   |
| 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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