

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: P955470

Luminaire Tested: **GLAN-SB8B-930-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955470  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-930-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32263 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 292.8  
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

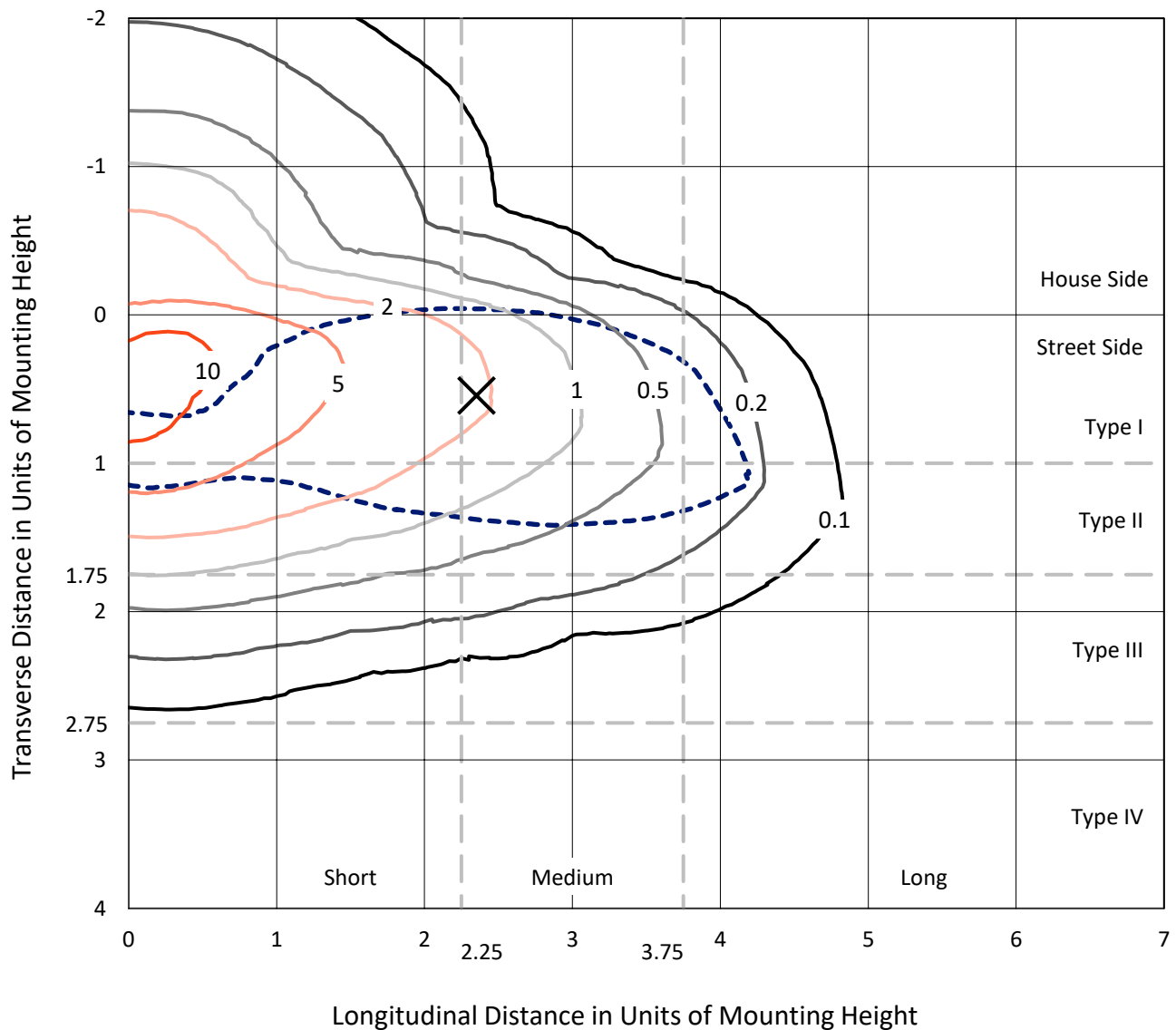


REPORT NUMBER: P955470

CATALOG NUMBER: GLAN-SB8B-930-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

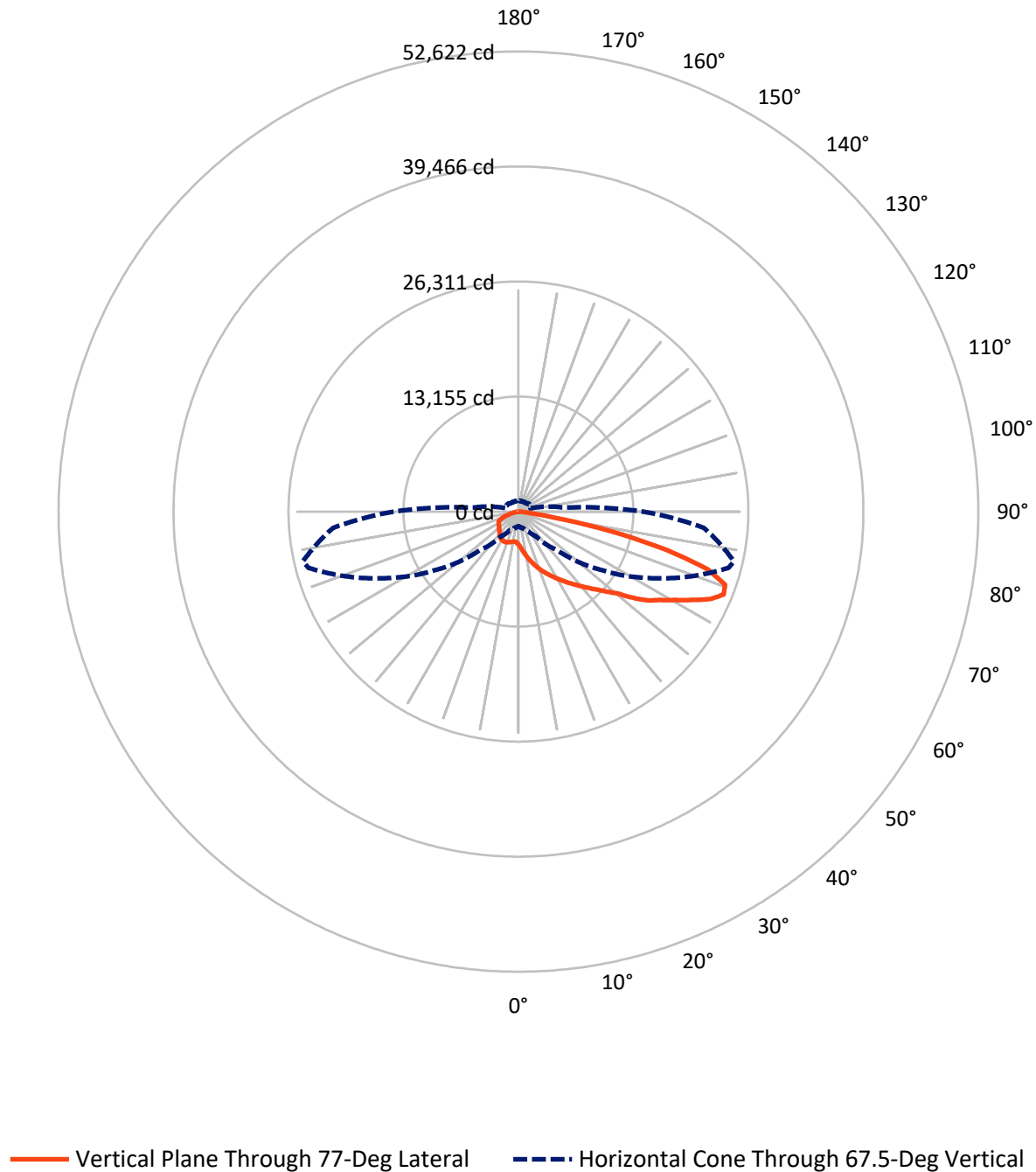
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc  
Type II - Medium - N/A

REPORT NUMBER: P955470  
CATALOG NUMBER: GLAN-SB8B-930-U-T2R

## Luminous Intensity Polar Plot



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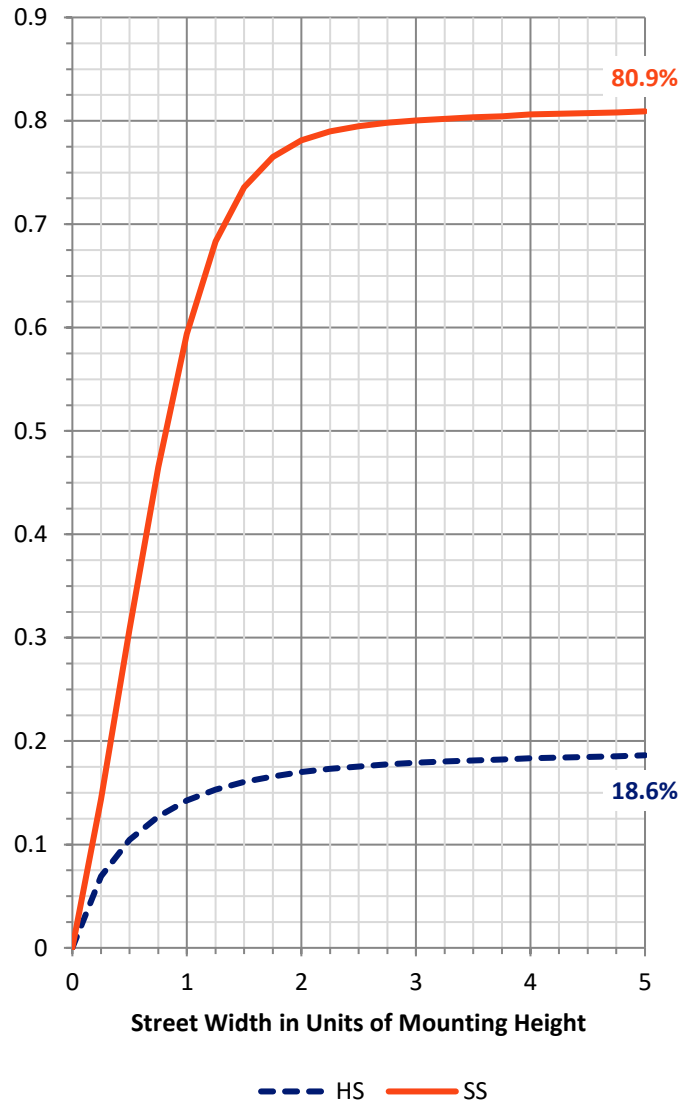
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6102.9   | 0.0    | 6102.9  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 26160.1  | 0.0    | 26160.1 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 32263.0  | 0.0    | 32263.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 405.8   | 1.3       |
| 10°-20°   | 1457.7  | 4.5       |
| 20°-30°   | 2752.3  | 8.5       |
| 30°-40°   | 4433.9  | 13.7      |
| 40°-50°   | 6064.7  | 18.8      |
| 50°-60°   | 6841.0  | 21.2      |
| 60°-70°   | 6385.3  | 19.8      |
| 70°-80°   | 3500.2  | 10.8      |
| 80°-90°   | 422.2   | 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°    | 32263.0 | 100.0     |
| 0°-180°   | 32263.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955470

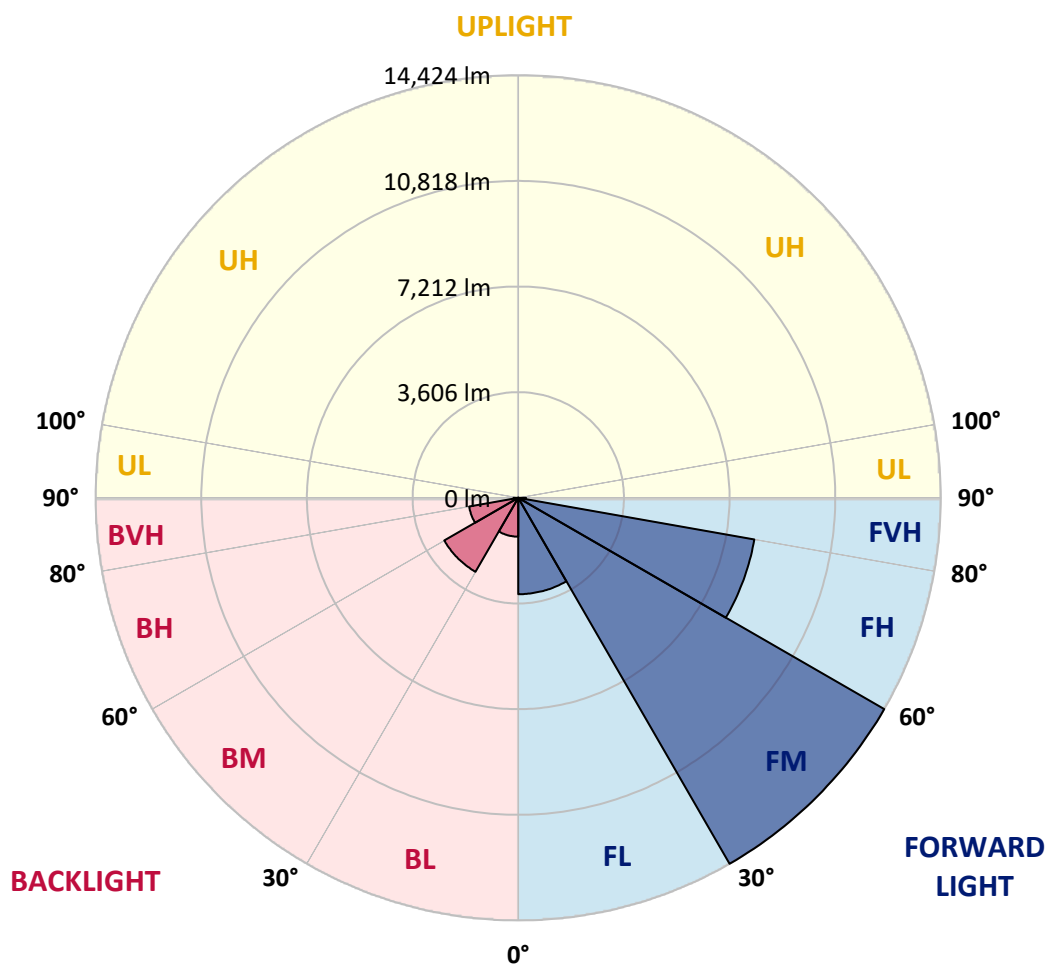
CATALOG NUMBER: GLAN-SB8B-930-U-T2R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3288.8  | 10.2      |                         |      |          |
| FM   | (30°-60°)   | 14424.4 | 44.7      |                         |      |          |
| FH   | (60°-80°)   | 8182.9  | 25.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 264.0   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1326.9  | 4.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2915.2  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1702.6  | 5.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 158.2   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Medium



REPORT NUMBER: P955470

CATALOG NUMBER: GLAN-SB8B-930-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3785.5  | 3785.5  | 3785.5  | 3785.5  | 3785.5  | 3785.5  | 3785.5  | 3785.5  | 3785.5  | 3785.5  |
| 2.5°  | 4739.7  | 4773.0  | 4731.4  | 4731.4  | 4591.5  | 4518.2  | 4378.3  | 4271.7  | 4080.2  | 4046.9  |
| 5°    | 5602.4  | 5644.0  | 5585.7  | 5560.8  | 5395.9  | 5244.3  | 5009.5  | 4778.0  | 4436.6  | 4401.6  |
| 7.5°  | 6270.2  | 6323.5  | 6271.9  | 6245.2  | 6098.7  | 5928.8  | 5654.0  | 5330.9  | 4849.6  | 4781.4  |
| 10°   | 6814.8  | 6823.1  | 6806.5  | 6816.5  | 6701.6  | 6561.7  | 6280.2  | 5903.8  | 5302.6  | 5209.4  |
| 12.5° | 7122.9  | 7161.2  | 7194.5  | 7254.5  | 7234.5  | 7147.9  | 6894.8  | 6445.1  | 5782.3  | 5662.4  |
| 15°   | 7267.8  | 7334.4  | 7409.4  | 7547.6  | 7659.2  | 7680.8  | 7487.6  | 7026.3  | 6270.2  | 6125.3  |
| 17.5° | 7319.4  | 7382.7  | 7501.0  | 7700.8  | 7940.6  | 8102.2  | 8015.6  | 7590.9  | 6753.2  | 6586.7  |
| 20°   | 7580.9  | 7599.2  | 7670.8  | 7860.7  | 8120.5  | 8388.6  | 8453.6  | 8133.8  | 7231.2  | 7043.0  |
| 22.5° | 8140.5  | 8103.8  | 8123.8  | 8210.4  | 8396.9  | 8656.7  | 8805.0  | 8613.4  | 7722.5  | 7506.0  |
| 25°   | 9064.8  | 8958.2  | 8851.6  | 8751.7  | 8846.6  | 8993.2  | 9161.4  | 9093.1  | 8237.1  | 7962.3  |
| 27.5° | 10232.2 | 10102.3 | 9867.5  | 9539.4  | 9424.5  | 9476.1  | 9551.1  | 9537.7  | 8713.4  | 8435.2  |
| 30°   | 11381.3 | 11229.8 | 10950.0 | 10475.4 | 10172.3 | 10035.7 | 9979.1  | 9940.8  | 9231.3  | 8934.9  |
| 32.5° | 12299.0 | 12179.1 | 11904.3 | 11373.0 | 10933.3 | 10700.2 | 10512.0 | 10375.4 | 9772.6  | 9476.1  |
| 35°   | 13101.7 | 12990.1 | 12675.4 | 12095.8 | 11617.8 | 11369.7 | 11123.2 | 10831.8 | 10335.5 | 10035.7 |
| 37.5° | 13834.5 | 13722.9 | 13291.6 | 12688.7 | 12207.4 | 12035.8 | 11816.0 | 11321.4 | 10900.0 | 10616.9 |
| 40°   | 14297.5 | 14272.5 | 13869.4 | 13186.6 | 12687.0 | 12602.1 | 12528.8 | 11889.3 | 11526.2 | 11263.1 |
| 42.5° | 14415.7 | 14470.7 | 14150.9 | 13589.7 | 13113.4 | 13045.1 | 13216.6 | 12532.1 | 12229.0 | 11977.6 |
| 45°   | 14130.9 | 14289.1 | 14079.3 | 13697.9 | 13416.5 | 13379.8 | 13826.1 | 13234.9 | 13006.8 | 12776.9 |
| 47.5° | 13409.8 | 13677.9 | 13591.3 | 13538.0 | 13498.1 | 13656.3 | 14362.4 | 13981.0 | 13887.8 | 13687.9 |
| 50°   | 11954.2 | 12462.2 | 12613.7 | 12950.1 | 13336.5 | 13871.1 | 14850.4 | 14795.4 | 14917.0 | 14715.5 |
| 52.5° | 9437.8  | 10137.3 | 11016.6 | 11859.3 | 12840.2 | 13799.5 | 15386.6 | 15964.5 | 16477.5 | 16367.5 |
| 55°   | 7790.7  | 8105.5  | 8781.6  | 10327.1 | 11877.6 | 13498.1 | 15628.1 | 16908.8 | 18026.3 | 17928.0 |
| 57.5° | 6525.0  | 6806.5  | 7222.8  | 8513.5  | 10422.1 | 12813.6 | 15778.0 | 17485.0 | 19087.1 | 19077.1 |
| 60°   | 5167.7  | 5465.8  | 5892.2  | 6806.5  | 8721.7  | 11631.1 | 15744.7 | 18141.2 | 20441.1 | 20524.4 |
| 62.5° | 3635.6  | 3963.6  | 4436.6  | 5289.3  | 6984.7  | 10099.0 | 15065.2 | 18615.8 | 22034.9 | 22261.4 |
| 65°   | 2389.8  | 2606.3  | 2962.7  | 3698.9  | 5204.4  | 8128.8  | 13767.9 | 18677.5 | 23740.3 | 24123.3 |
| 67.5° | 1675.4  | 1758.7  | 1968.5  | 2368.2  | 3430.7  | 6233.6  | 11701.1 | 18039.6 | 24877.7 | 25309.1 |
| 70°   | 1307.3  | 1349.0  | 1455.6  | 1615.4  | 2155.0  | 4191.8  | 8966.5  | 16380.9 | 24634.6 | 25084.2 |
| 72.5° | 1129.1  | 1169.1  | 1209.1  | 1229.1  | 1445.6  | 2588.0  | 6073.7  | 13696.2 | 22344.7 | 22649.4 |
| 75°   | 1024.2  | 1034.2  | 1067.5  | 1060.9  | 1102.5  | 1678.7  | 3505.7  | 9979.1  | 17629.9 | 17525.0 |
| 77.5° | 861.0   | 874.3   | 929.3   | 921.0   | 979.3   | 1147.5  | 1820.3  | 6440.1  | 11429.6 | 10716.8 |
| 80°   | 729.4   | 736.1   | 796.1   | 786.1   | 851.0   | 831.0   | 929.3   | 3282.5  | 4848.0  | 4106.9  |
| 82.5° | 253.1   | 313.1   | 607.9   | 626.2   | 649.5   | 503.0   | 536.3   | 1339.0  | 1480.5  | 1134.1  |
| 85°   | 123.2   | 131.6   | 309.8   | 439.7   | 438.0   | 253.1   | 261.5   | 478.0   | 466.3   | 366.4   |
| 87.5° | 20.0    | 25.0    | 36.6    | 171.5   | 136.6   | 66.6    | 89.9    | 93.3    | 96.6    | 83.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955470

CATALOG NUMBER: GLAN-SB8B-930-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3785.5  | 0°    | 3785.5  | 3785.5 | 3785.5 | 3785.5 | 3785.5 | 3785.5 | 3785.5 | 3785.5 | 3785.5 | 3785.5 |
| 3920.3  | 2.5°  | 3827.1  | 3743.8 | 3569.0 | 3407.4 | 3280.8 | 3159.3 | 3091.0 | 3032.7 | 2999.4 | 2992.7 |
| 4103.5  | 5°    | 3930.3  | 3758.8 | 3440.7 | 3172.6 | 2997.7 | 2867.8 | 2799.5 | 2756.2 | 2734.6 | 2721.3 |
| 4350.0  | 7.5°  | 4078.6  | 3827.1 | 3374.1 | 3069.3 | 2886.1 | 2792.9 | 2757.9 | 2751.2 | 2749.6 | 2751.2 |
| 4648.1  | 10°   | 4283.4  | 3938.7 | 3367.4 | 3044.3 | 2891.1 | 2839.5 | 2837.8 | 2839.5 | 2846.2 | 2847.8 |
| 4972.9  | 12.5° | 4504.9  | 4053.6 | 3394.1 | 3066.0 | 2954.4 | 2926.1 | 2921.1 | 2919.4 | 2924.4 | 2927.8 |
| 5301.0  | 15°   | 4746.4  | 4205.1 | 3439.0 | 3112.6 | 3024.4 | 2994.4 | 2989.4 | 2979.4 | 2977.7 | 2976.1 |
| 5645.7  | 17.5° | 4994.5  | 4355.0 | 3489.0 | 3162.6 | 3069.3 | 3027.7 | 3009.4 | 2986.1 | 2967.7 | 2962.7 |
| 6002.1  | 20°   | 5246.0  | 4503.2 | 3524.0 | 3187.6 | 3072.7 | 3014.4 | 2977.7 | 2937.8 | 2906.1 | 2887.8 |
| 6361.8  | 22.5° | 5514.1  | 4658.1 | 3545.6 | 3180.9 | 3042.7 | 2962.7 | 2896.1 | 2849.5 | 2801.2 | 2769.6 |
| 6724.9  | 25°   | 5775.6  | 4793.0 | 3544.0 | 3145.9 | 2984.4 | 2882.8 | 2797.9 | 2737.9 | 2671.3 | 2638.0 |
| 7099.6  | 27.5° | 6027.1  | 4914.6 | 3502.3 | 3084.3 | 2901.1 | 2787.9 | 2686.3 | 2614.7 | 2549.7 | 2518.1 |
| 7477.6  | 30°   | 6286.9  | 5016.2 | 3437.4 | 2994.4 | 2802.9 | 2678.0 | 2566.4 | 2504.8 | 2446.5 | 2416.5 |
| 7877.3  | 32.5° | 6545.0  | 5109.4 | 3345.8 | 2882.8 | 2689.6 | 2569.7 | 2459.8 | 2403.2 | 2368.2 | 2368.2 |
| 8307.0  | 35°   | 6818.1  | 5174.4 | 3224.2 | 2752.9 | 2569.7 | 2454.8 | 2368.2 | 2334.9 | 2331.6 | 2311.6 |
| 8761.7  | 37.5° | 7106.3  | 5216.0 | 3076.0 | 2619.7 | 2451.5 | 2343.2 | 2316.6 | 2276.6 | 2243.3 | 2200.0 |
| 9261.3  | 40°   | 7409.4  | 5257.7 | 2897.8 | 2481.4 | 2326.6 | 2266.6 | 2255.0 | 2201.7 | 2106.7 | 2000.1 |
| 9827.5  | 42.5° | 7777.4  | 5286.0 | 2712.9 | 2343.2 | 2195.0 | 2175.0 | 2191.7 | 2100.1 | 1948.5 | 1868.6 |
| 10510.3 | 45°   | 8203.8  | 5332.6 | 2543.1 | 2206.7 | 2060.1 | 2060.1 | 2130.0 | 2010.1 | 1885.2 | 1835.3 |
| 11289.7 | 47.5° | 8756.7  | 5440.9 | 2384.9 | 2056.8 | 1935.2 | 1968.5 | 1993.5 | 1901.9 | 1831.9 | 1770.3 |
| 12239.0 | 50°   | 9556.1  | 5700.7 | 2221.6 | 1905.2 | 1840.3 | 1906.9 | 1871.9 | 1818.6 | 1737.0 | 1687.0 |
| 13747.9 | 52.5° | 10548.6 | 5853.9 | 2076.8 | 1768.7 | 1758.7 | 1825.3 | 1775.3 | 1725.4 | 1663.7 | 1597.1 |
| 14892.0 | 55°   | 11224.8 | 5882.2 | 1955.2 | 1668.7 | 1703.7 | 1697.0 | 1678.7 | 1633.8 | 1600.4 | 1512.2 |
| 16021.1 | 57.5° | 11980.9 | 5938.8 | 1855.3 | 1608.8 | 1668.7 | 1595.5 | 1588.8 | 1550.5 | 1507.2 | 1447.2 |
| 17398.4 | 60°   | 12885.2 | 6027.1 | 1768.7 | 1585.5 | 1638.8 | 1528.8 | 1495.5 | 1480.5 | 1437.2 | 1407.3 |
| 19055.5 | 62.5° | 13871.1 | 6107.0 | 1680.4 | 1588.8 | 1603.8 | 1463.9 | 1413.9 | 1408.9 | 1382.3 | 1372.3 |
| 20611.0 | 65°   | 14543.9 | 5888.9 | 1570.5 | 1585.5 | 1548.8 | 1397.3 | 1334.0 | 1332.3 | 1310.7 | 1307.3 |
| 21285.5 | 67.5° | 14309.1 | 5197.7 | 1422.3 | 1538.8 | 1492.2 | 1330.7 | 1260.7 | 1254.0 | 1225.7 | 1227.4 |
| 20581.0 | 70°   | 13133.3 | 4211.8 | 1217.4 | 1423.9 | 1422.3 | 1270.7 | 1184.1 | 1162.4 | 1124.1 | 1130.8 |
| 17894.7 | 72.5° | 10928.3 | 3121.0 | 942.6  | 1232.4 | 1310.7 | 1215.7 | 1095.8 | 1060.9 | 1012.6 | 1019.2 |
| 13209.9 | 75°   | 7892.3  | 2121.7 | 686.1  | 937.6  | 1140.8 | 1150.8 | 1009.2 | 949.3  | 891.0  | 901.0  |
| 7352.7  | 77.5° | 4038.6  | 1202.4 | 504.6  | 646.2  | 896.0  | 1045.9 | 931.0  | 851.0  | 837.7  | 931.0  |
| 2120.1  | 80°   | 1317.3  | 602.9  | 349.7  | 453.0  | 587.9  | 856.0  | 816.0  | 724.4  | 721.1  | 742.8  |
| 444.7   | 82.5° | 393.0   | 254.8  | 224.8  | 298.1  | 324.8  | 656.2  | 704.5  | 547.9  | 471.3  | 496.3  |
| 148.2   | 85°   | 134.9   | 123.2  | 128.2  | 148.2  | 154.9  | 384.7  | 493.0  | 363.1  | 343.1  | 378.0  |
| 33.3    | 87.5° | 31.6    | 43.3   | 36.6   | 33.3   | 33.3   | 93.3   | 191.5  | 151.6  | 209.8  | 139.9  |
| 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°   |
|--------|
| 3785.5 |
| 2992.7 |
| 2719.6 |
| 2756.2 |
| 2849.5 |
| 2929.4 |
| 2974.4 |
| 2967.7 |
| 2894.5 |
| 2771.2 |
| 2638.0 |
| 2516.4 |
| 2414.8 |
| 2369.9 |
| 2306.6 |
| 2193.3 |
| 1985.2 |
| 1870.2 |
| 1843.6 |
| 1768.7 |
| 1682.1 |
| 1583.8 |
| 1513.8 |
| 1427.2 |
| 1415.6 |
| 1372.3 |
| 1305.7 |
| 1227.4 |
| 1137.5 |
| 1017.6 |
| 904.3  |
| 917.6  |
| 637.8  |
| 512.9  |
| 373.0  |
| 134.9  |
| 0.0    |