

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: P951107

Luminaire Tested: **GLAN-SB5B-835-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5B-835-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 20323 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

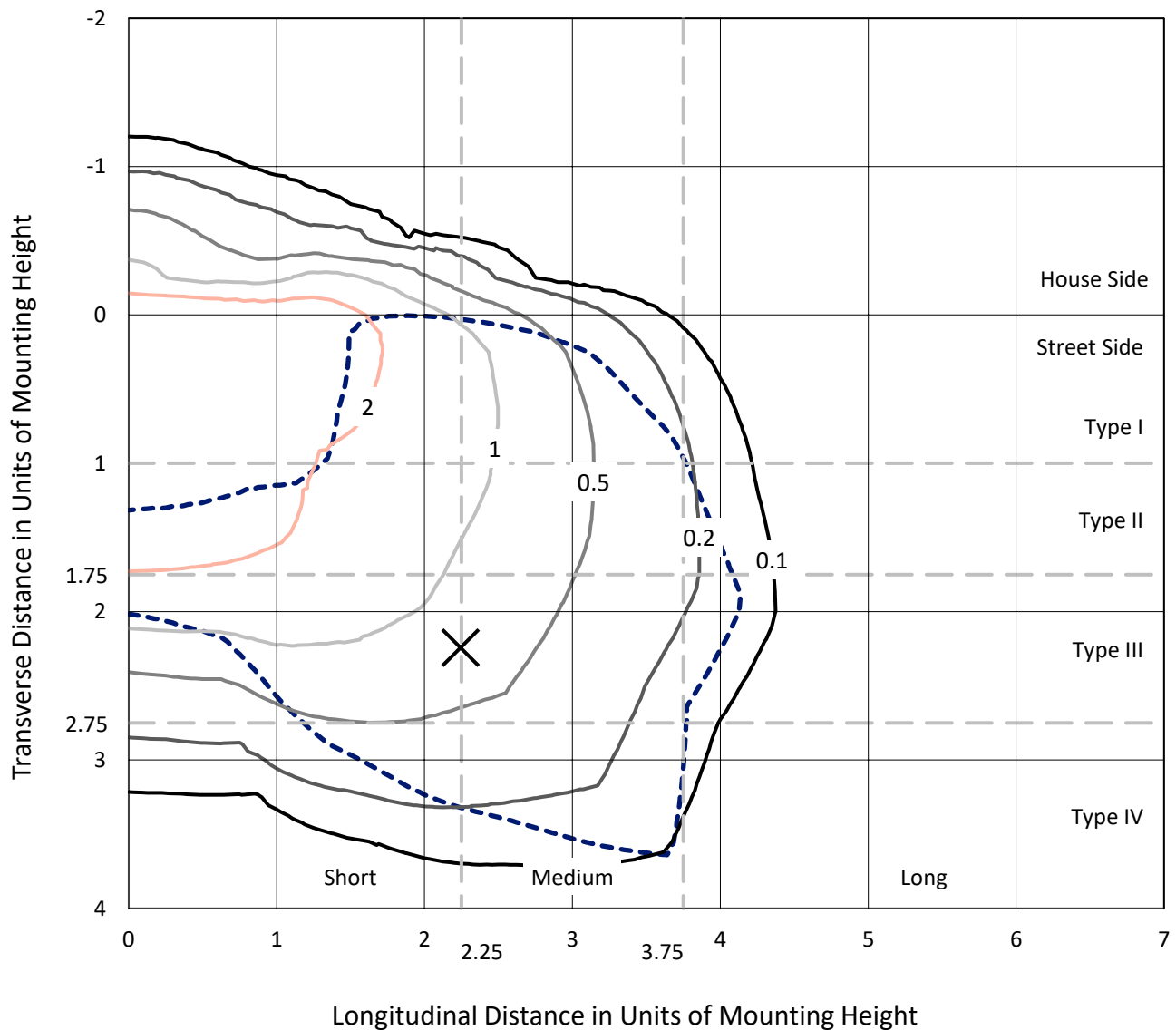
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P951107  
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## Iso-Footcandle Lines of Horizontal Illumination

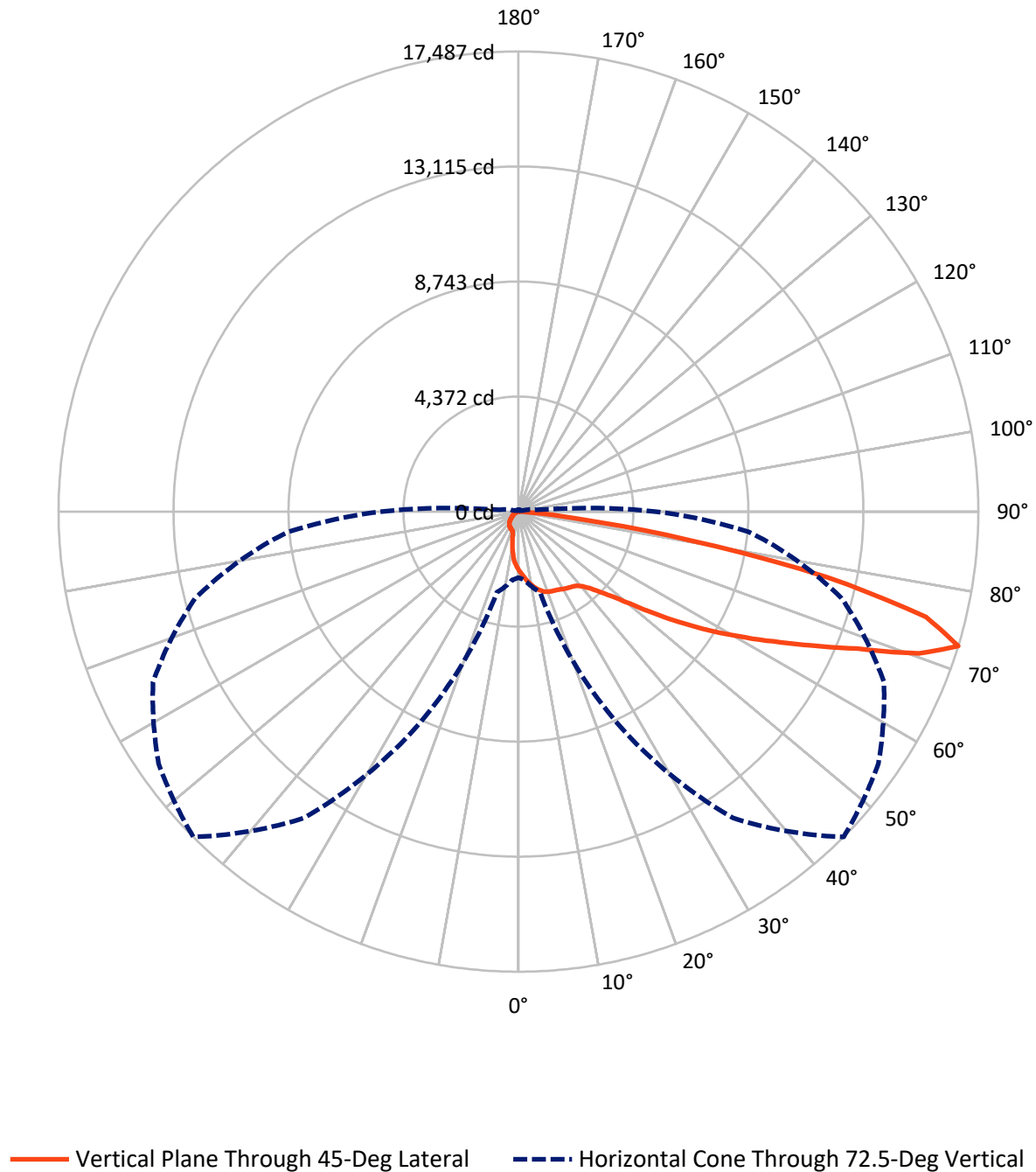
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
Type IV - Short - N/A

REPORT NUMBER: P951107  
CATALOG NUMBER: GLAN-SB5B-835-U-T4W-HSS

## Luminous Intensity Polar Plot



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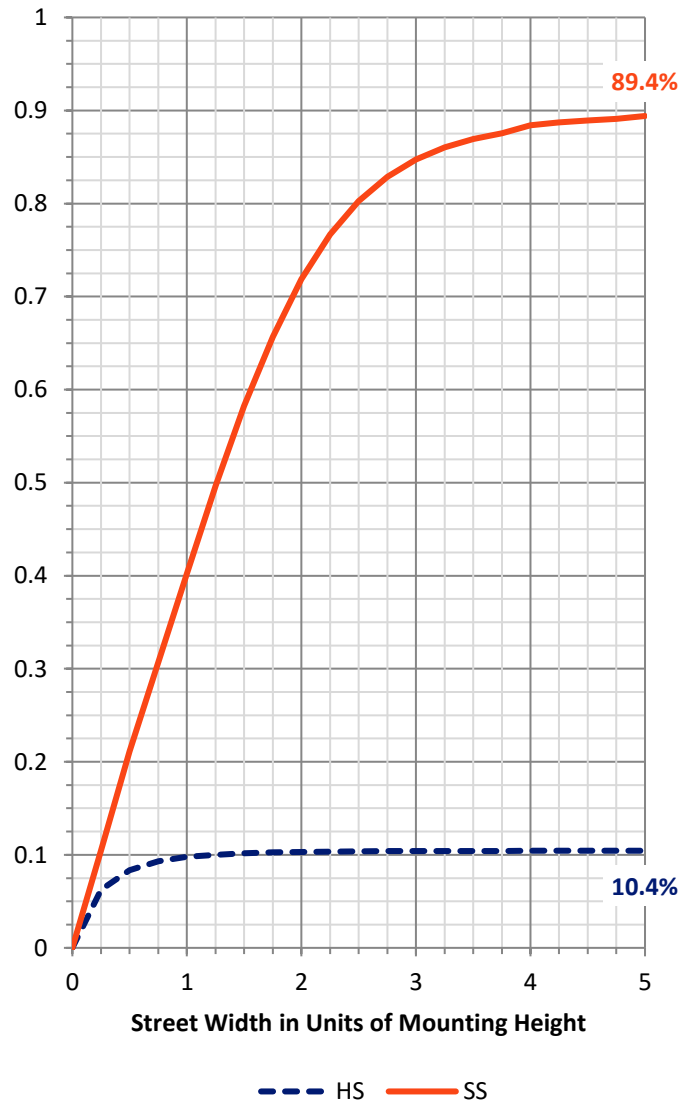
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2135.4   | 0.0    | 2135.4  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 18187.6  | 0.0    | 18187.6 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 20323.0  | 0.0    | 20323.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 209.8   | 1.0       |
| 10°-20°   | 613.1   | 3.0       |
| 20°-30°   | 1006.8  | 5.0       |
| 30°-40°   | 1427.8  | 7.0       |
| 40°-50°   | 2360.1  | 11.6      |
| 50°-60°   | 4239.6  | 20.9      |
| 60°-70°   | 5886.9  | 29.0      |
| 70°-80°   | 4270.2  | 21.0      |
| 80°-90°   | 308.7   | 1.5       |
| 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°    | 20323.0 | 100.0     |
| 0°-180°   | 20323.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P951107

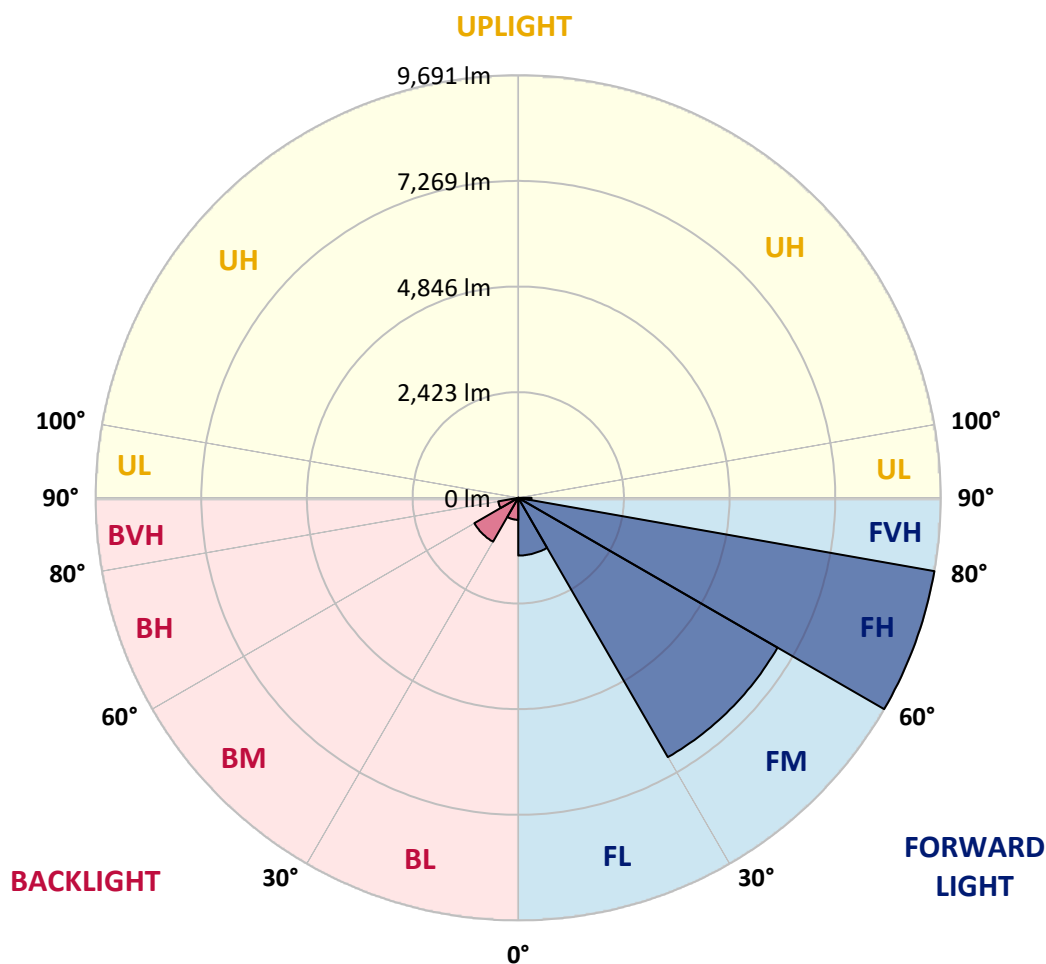
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1323.8 | 6.5       |                         |      |          |
| FM   | (30°-60°)   | 6866.2 | 33.8      |                         |      |          |
| FH   | (60°-80°)   | 9691.5 | 47.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 306.1  | 1.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 505.8  | 2.5       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1161.3 | 5.7       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 465.7  | 2.3       | B1/500                  |      | G1/500   |
| BVH  | (80°-90°)   | 2.6    | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type IV Short



REPORT NUMBER: P951107

CATALOG NUMBER: GLAN-SB5B-835-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2226.4 | 2226.4  | 2226.4  | 2226.4  | 2226.4  | 2226.4  | 2226.4  | 2226.4  | 2226.4  | 2226.4  |
| 2.5°  | 2431.7 | 2435.9  | 2433.1  | 2416.5  | 2388.7  | 2373.5  | 2365.1  | 2337.4  | 2319.4  | 2287.5  |
| 5°    | 2655.1 | 2671.7  | 2662.0  | 2628.7  | 2576.0  | 2538.5  | 2527.4  | 2470.6  | 2419.2  | 2359.6  |
| 7.5°  | 2892.3 | 2900.6  | 2882.6  | 2839.6  | 2768.8  | 2705.0  | 2695.3  | 2616.2  | 2534.4  | 2442.8  |
| 10°   | 3097.6 | 3107.3  | 3079.5  | 3017.1  | 2936.7  | 2857.6  | 2843.7  | 2756.3  | 2659.2  | 2546.9  |
| 12.5° | 3269.6 | 3279.3  | 3243.2  | 3168.3  | 3079.5  | 2997.7  | 2983.8  | 2892.3  | 2785.5  | 2660.6  |
| 15°   | 3400.0 | 3418.0  | 3369.5  | 3289.0  | 3193.3  | 3111.5  | 3104.5  | 3014.3  | 2910.3  | 2771.6  |
| 17.5° | 3476.3 | 3494.3  | 3448.5  | 3351.4  | 3269.6  | 3200.2  | 3191.9  | 3117.0  | 3019.9  | 2886.7  |
| 20°   | 3488.8 | 3505.4  | 3456.9  | 3372.2  | 3304.3  | 3248.8  | 3244.6  | 3190.5  | 3119.8  | 2992.2  |
| 22.5° | 3451.3 | 3472.1  | 3427.7  | 3359.8  | 3312.6  | 3283.5  | 3277.9  | 3247.4  | 3207.2  | 3099.0  |
| 25°   | 3412.5 | 3429.1  | 3395.8  | 3336.2  | 3311.2  | 3308.4  | 3312.6  | 3307.0  | 3298.7  | 3207.2  |
| 27.5° | 3409.7 | 3427.7  | 3390.3  | 3333.4  | 3319.5  | 3348.7  | 3352.8  | 3379.2  | 3386.1  | 3305.7  |
| 30°   | 3433.3 | 3445.8  | 3409.7  | 3350.0  | 3343.1  | 3409.7  | 3411.1  | 3458.2  | 3469.3  | 3388.9  |
| 32.5° | 3484.6 | 3498.5  | 3462.4  | 3375.0  | 3365.3  | 3458.2  | 3462.4  | 3524.8  | 3542.9  | 3477.7  |
| 35°   | 3605.3 | 3621.9  | 3580.3  | 3444.4  | 3409.7  | 3504.0  | 3516.5  | 3590.0  | 3626.1  | 3572.0  |
| 37.5° | 3906.3 | 3857.8  | 3800.9  | 3584.5  | 3511.0  | 3576.2  | 3597.0  | 3683.0  | 3746.8  | 3684.4  |
| 40°   | 4654.0 | 4501.4  | 4323.8  | 3823.1  | 3688.5  | 3730.1  | 3746.8  | 3832.8  | 3920.2  | 3859.1  |
| 42.5° | 5776.2 | 5595.9  | 5310.1  | 4372.4  | 3956.2  | 3977.1  | 3989.5  | 4064.4  | 4187.9  | 4139.4  |
| 45°   | 6776.4 | 6711.2  | 6419.9  | 5310.1  | 4457.0  | 4354.4  | 4369.6  | 4408.5  | 4590.2  | 4572.2  |
| 47.5° | 7544.9 | 7507.4  | 7282.7  | 6386.6  | 5303.2  | 4816.3  | 4859.3  | 4877.3  | 5139.5  | 5203.3  |
| 50°   | 8135.8 | 8122.0  | 7920.8  | 7343.7  | 6408.8  | 5497.4  | 5512.7  | 5473.8  | 5866.4  | 6024.5  |
| 52.5° | 8693.5 | 8740.6  | 8592.2  | 8232.9  | 7589.3  | 6389.4  | 6386.6  | 6203.5  | 6733.4  | 6972.0  |
| 55°   | 9197.0 | 9213.7  | 9228.9  | 9140.1  | 8776.7  | 7404.8  | 7378.4  | 7078.8  | 7739.1  | 7986.0  |
| 57.5° | 9670.0 | 9677.0  | 9812.9  | 9994.6  | 10012.7 | 8495.1  | 8446.6  | 8087.3  | 8837.7  | 9013.9  |
| 60°   | 9987.7 | 10019.6 | 10306.8 | 10811.7 | 11032.3 | 9620.1  | 9593.8  | 9227.5  | 9955.8  | 10037.7 |
| 62.5° | 9529.9 | 9724.1  | 10448.3 | 11449.8 | 11995.0 | 10867.2 | 10854.7 | 10510.7 | 11132.1 | 11065.6 |
| 65°   | 7714.1 | 8042.9  | 9316.3  | 11881.2 | 12939.6 | 12259.9 | 12278.0 | 11911.7 | 12340.4 | 12124.0 |
| 67.5° | 5396.1 | 5742.9  | 7249.4  | 11915.9 | 13995.3 | 13895.4 | 13999.4 | 13425.2 | 13623.5 | 13138.0 |
| 70°   | 3731.5 | 3910.5  | 4891.2  | 11169.6 | 14817.9 | 16148.2 | 16145.4 | 15284.0 | 14899.7 | 13599.9 |
| 72.5° | 2509.4 | 2602.4  | 3176.6  | 8861.3  | 14213.1 | 17486.8 | 17406.4 | 16704.5 | 15329.8 | 12719.1 |
| 75°   | 1058.4 | 1126.4  | 1470.4  | 4980.0  | 11244.5 | 15998.4 | 15780.6 | 14762.4 | 13620.7 | 10015.5 |
| 77.5° | 335.7  | 364.8   | 579.8   | 1782.5  | 6193.8  | 12025.5 | 11795.2 | 9219.2  | 9129.0  | 5024.4  |
| 80°   | 159.5  | 185.9   | 326.0   | 715.8   | 2437.3  | 6540.6  | 6508.7  | 4182.4  | 3927.1  | 1356.7  |
| 82.5° | 69.4   | 81.8    | 180.3   | 382.9   | 1090.3  | 2333.2  | 2380.4  | 1423.2  | 1177.7  | 514.6   |
| 85°   | 22.2   | 29.1    | 83.2    | 176.2   | 460.5   | 579.8   | 572.9   | 338.5   | 474.4   | 280.2   |
| 87.5° | 0.0    | 0.0     | 27.7    | 40.2    | 47.2    | 33.3    | 37.5    | 29.1    | 131.8   | 77.7    |
| 90°   | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P951107

CATALOG NUMBER: GLAN-SB5B-835-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2226.4  | 0°    | 2226.4 | 2226.4 | 2226.4 | 2226.4 | 2226.4 | 2226.4 | 2226.4 | 2226.4 | 2226.4 | 2226.4 |
| 2254.2  | 2.5°  | 2237.5 | 2215.3 | 2176.5 | 2140.4 | 2108.5 | 2076.6 | 2057.2 | 2029.4 | 2026.7 | 2026.7 |
| 2290.2  | 5°    | 2252.8 | 2216.7 | 2147.4 | 2073.8 | 1989.2 | 1908.8 | 1828.3 | 1750.6 | 1725.7 | 1707.6 |
| 2348.5  | 7.5°  | 2297.2 | 2240.3 | 2130.7 | 1990.6 | 1829.7 | 1653.5 | 1530.1 | 1396.9 | 1345.6 | 1317.8 |
| 2426.2  | 10°   | 2361.0 | 2283.3 | 2116.8 | 1871.3 | 1610.5 | 1370.5 | 1194.4 | 1050.1 | 994.6  | 971.0  |
| 2510.8  | 12.5° | 2431.7 | 2336.0 | 2091.9 | 1722.9 | 1370.5 | 1083.4 | 911.4  | 844.8  | 836.5  | 836.5  |
| 2612.1  | 15°   | 2516.3 | 2399.8 | 2048.9 | 1548.1 | 1119.5 | 857.3  | 796.2  | 799.0  | 807.3  | 812.9  |
| 2710.6  | 17.5° | 2603.7 | 2467.8 | 1980.9 | 1352.5 | 897.5  | 771.3  | 772.7  | 776.8  | 783.8  | 789.3  |
| 2817.4  | 20°   | 2698.1 | 2535.8 | 1890.7 | 1144.4 | 769.9  | 746.3  | 750.5  | 754.6  | 760.2  | 763.0  |
| 2917.2  | 22.5° | 2799.3 | 2599.6 | 1783.9 | 940.5  | 726.9  | 725.5  | 726.9  | 731.0  | 738.0  | 738.0  |
| 3033.8  | 25°   | 2907.5 | 2670.3 | 1661.8 | 792.1  | 704.7  | 704.7  | 707.5  | 710.2  | 715.8  | 715.8  |
| 3146.1  | 27.5° | 3018.5 | 2735.5 | 1532.8 | 714.4  | 685.3  | 683.9  | 683.9  | 688.0  | 690.8  | 692.2  |
| 3257.1  | 30°   | 3140.6 | 2811.8 | 1403.8 | 697.8  | 670.0  | 663.1  | 658.9  | 661.7  | 664.5  | 665.8  |
| 3373.6  | 32.5° | 3265.4 | 2885.3 | 1288.7 | 704.7  | 654.8  | 642.3  | 628.4  | 625.6  | 625.6  | 631.2  |
| 3494.3  | 35°   | 3404.1 | 2965.8 | 1199.9 | 728.3  | 646.4  | 611.7  | 589.6  | 577.1  | 578.5  | 586.8  |
| 3638.6  | 37.5° | 3570.6 | 3062.9 | 1134.7 | 749.1  | 640.9  | 577.1  | 541.0  | 525.7  | 516.0  | 525.7  |
| 3836.9  | 40°   | 3788.4 | 3205.8 | 1087.6 | 765.7  | 633.9  | 536.8  | 488.3  | 463.3  | 445.3  | 450.8  |
| 4144.9  | 42.5° | 4108.8 | 3430.5 | 1069.5 | 767.1  | 618.7  | 489.7  | 434.2  | 400.9  | 374.5  | 375.9  |
| 4608.2  | 45°   | 4558.3 | 3785.6 | 1162.5 | 749.1  | 585.4  | 438.3  | 377.3  | 332.9  | 316.3  | 312.1  |
| 5300.4  | 47.5° | 5174.2 | 4303.0 | 1377.5 | 711.6  | 536.8  | 388.4  | 321.8  | 284.4  | 271.9  | 265.0  |
| 6209.0  | 50°   | 5999.6 | 4967.5 | 1616.1 | 670.0  | 488.3  | 341.2  | 276.0  | 252.5  | 244.1  | 237.2  |
| 7286.9  | 52.5° | 6956.7 | 5641.7 | 1811.7 | 628.4  | 439.7  | 299.6  | 246.9  | 233.0  | 226.1  | 220.6  |
| 8327.3  | 55°   | 7834.8 | 6106.4 | 1800.6 | 584.0  | 392.6  | 266.3  | 226.1  | 217.8  | 209.5  | 203.9  |
| 9223.4  | 57.5° | 8381.4 | 6171.6 | 1484.3 | 535.5  | 338.5  | 240.0  | 206.7  | 201.1  | 191.4  | 184.5  |
| 9998.8  | 60°   | 8632.4 | 5799.8 | 1040.4 | 471.6  | 284.4  | 215.0  | 185.9  | 183.1  | 170.6  | 160.9  |
| 10732.6 | 62.5° | 8678.2 | 5109.0 | 693.6  | 392.6  | 237.2  | 191.4  | 165.1  | 160.9  | 144.3  | 127.6  |
| 11329.1 | 65°   | 8492.3 | 4121.3 | 480.0  | 306.6  | 202.5  | 166.5  | 141.5  | 133.2  | 115.1  | 98.5   |
| 11470.6 | 67.5° | 7904.2 | 2893.7 | 334.3  | 220.6  | 172.0  | 131.8  | 112.4  | 109.6  | 95.7   | 81.8   |
| 10749.3 | 70°   | 6826.3 | 1649.4 | 223.3  | 165.1  | 135.9  | 90.2   | 88.8   | 91.6   | 77.7   | 66.6   |
| 8782.3  | 72.5° | 5233.8 | 754.6  | 138.7  | 120.7  | 92.9   | 61.0   | 70.7   | 72.1   | 59.6   | 49.9   |
| 5479.4  | 75°   | 3080.9 | 323.2  | 87.4   | 77.7   | 47.2   | 40.2   | 51.3   | 52.7   | 40.2   | 31.9   |
| 2003.1  | 77.5° | 1048.7 | 122.1  | 55.5   | 45.8   | 23.6   | 22.2   | 33.3   | 33.3   | 22.2   | 12.5   |
| 402.3   | 80°   | 238.6  | 45.8   | 27.7   | 18.0   | 11.1   | 9.7    | 11.1   | 9.7    | 5.5    | 1.4    |
| 123.5   | 82.5° | 68.0   | 18.0   | 11.1   | 6.9    | 4.2    | 4.2    | 1.4    | 0.0    | 0.0    | 0.0    |
| 43.0    | 85°   | 19.4   | 8.3    | 2.8    | 2.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 15.3    | 87.5° | 8.3    | 1.4    | 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    |

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| 180°   |
|--------|
| 2226.4 |
| 2033.6 |
| 1715.9 |
| 1322.0 |
| 971.0  |
| 836.5  |
| 812.9  |
| 789.3  |
| 764.3  |
| 740.8  |
| 717.2  |
| 693.6  |
| 668.6  |
| 635.3  |
| 590.9  |
| 523.0  |
| 448.1  |
| 370.4  |
| 306.6  |
| 260.8  |
| 235.8  |
| 219.2  |
| 201.1  |
| 183.1  |
| 158.1  |
| 119.3  |
| 92.9   |
| 77.7   |
| 61.0   |
| 44.4   |
| 27.7   |
| 9.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |