

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: P940472

Luminaire Tested: **GLAN-SB3C-760-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-760-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 23565 lumens  
Efficiency: N/A  
Efficacy: 158.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 149.1  
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

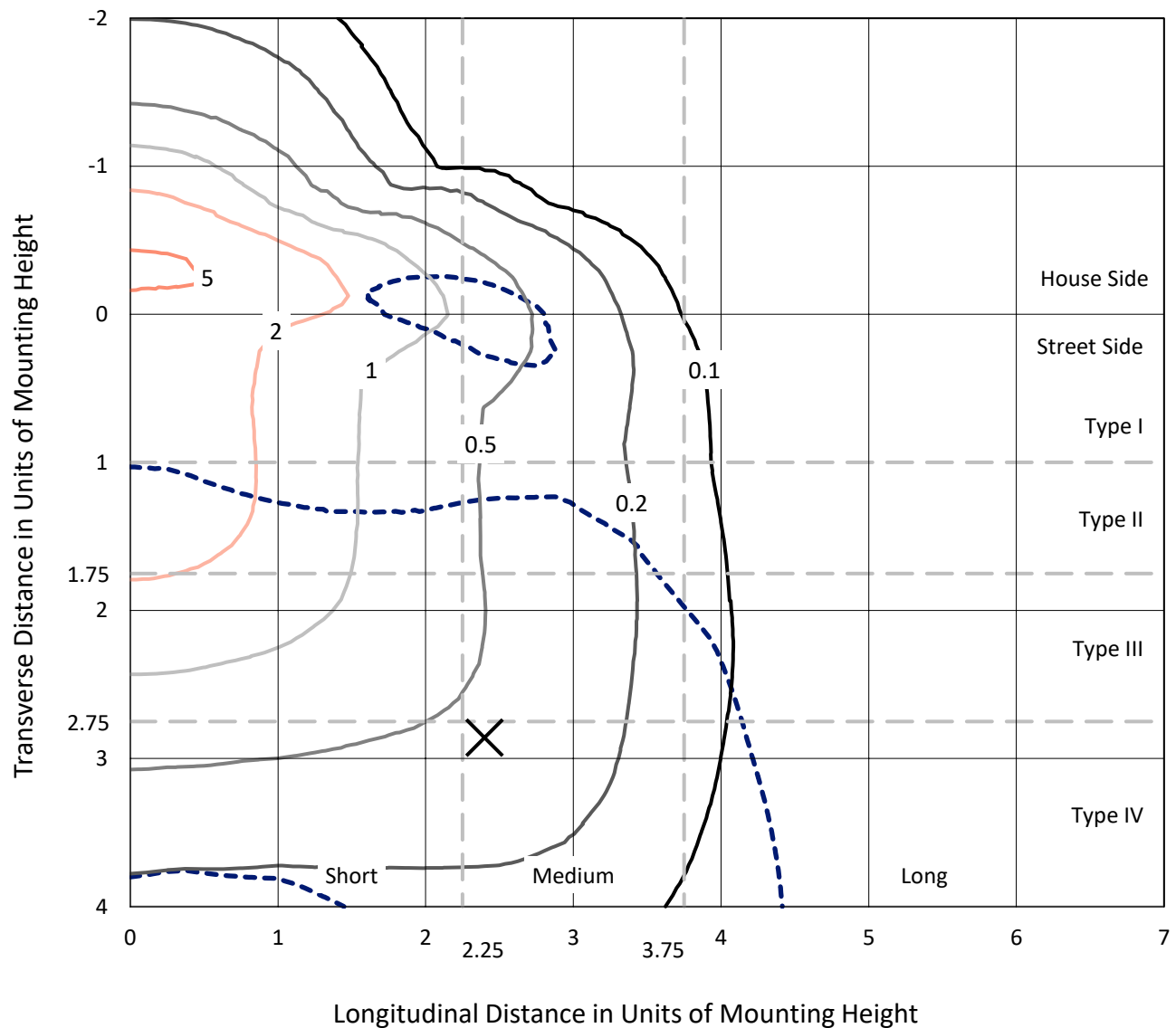


REPORT NUMBER: P940472

CATALOG NUMBER: GLAN-SB3C-760-U-SL4

## Iso-Footcandle Lines of Horizontal Illumination

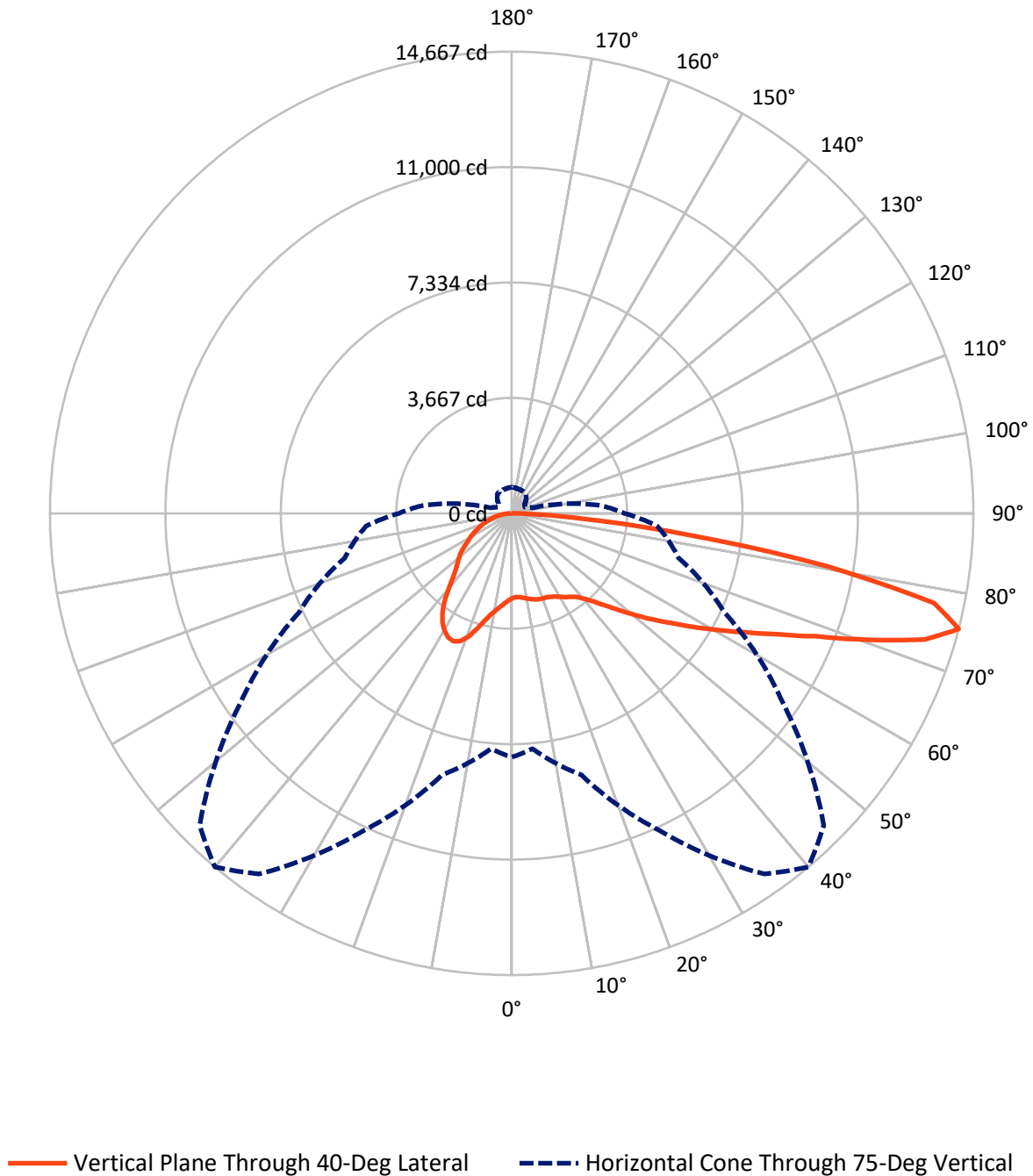
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
Type IV - Medium - N/A

REPORT NUMBER: P940472  
CATALOG NUMBER: GLAN-SB3C-760-U-SL4

## Luminous Intensity Polar Plot



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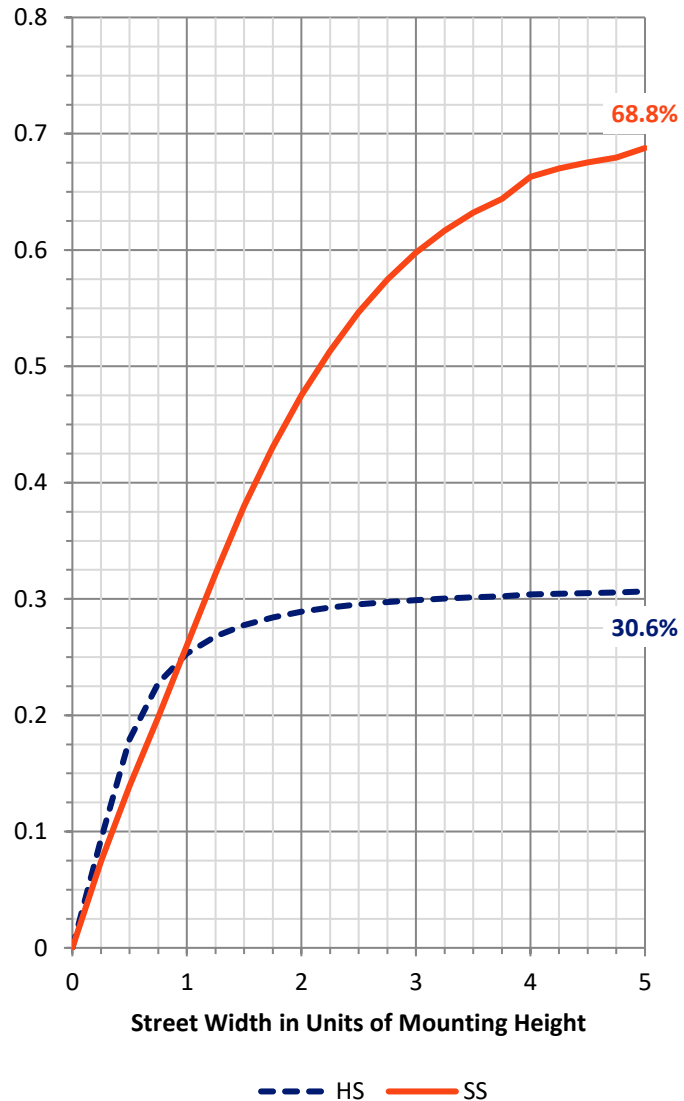
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7301.2   | 0.0    | 7301.2  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 16263.8  | 0.0    | 16263.8 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 23565.0  | 0.0    | 23565.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 269.0   | 1.1       |
| 10°-20°   | 903.1   | 3.8       |
| 20°-30°   | 1649.0  | 7.0       |
| 30°-40°   | 2338.7  | 9.9       |
| 40°-50°   | 3158.0  | 13.4      |
| 50°-60°   | 4248.3  | 18.0      |
| 60°-70°   | 5392.1  | 22.9      |
| 70°-80°   | 4893.6  | 20.8      |
| 80°-90°   | 713.3   | 3.0       |
| 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°    | 23565.0 | 100.0     |
| 0°-180°   | 23565.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P940472

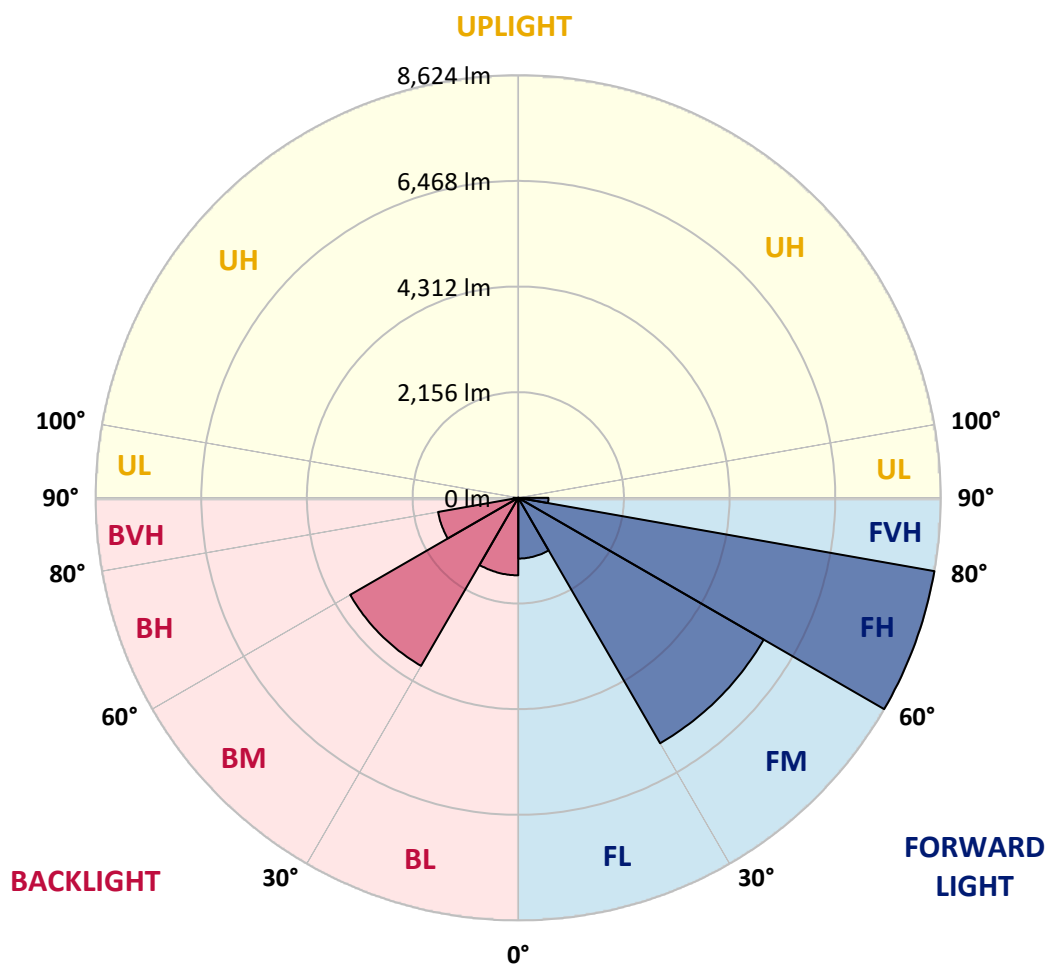
CATALOG NUMBER: GLAN-SB3C-760-U-SL4

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1239.5 | 5.3       |                         |      |          |
| FM   | (30°-60°)   | 5784.7 | 24.5      |                         |      |          |
| FH   | (60°-80°)   | 8624.4 | 36.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 615.1  | 2.6       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1581.5 | 6.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3960.3 | 16.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1661.2 | 7.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 98.2   | 0.4       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

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

Type IV Medium



REPORT NUMBER: P940472

CATALOG NUMBER: GLAN-SB3C-760-U-SL4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 2694.7  | 2694.7  | 2694.7  | 2694.7  | 2694.7  | 2694.7  | 2694.7  | 2694.7  | 2694.7 | 2694.7 |
| 2.5°  | 2653.4  | 2668.4  | 2664.7  | 2659.7  | 2659.7  | 2660.9  | 2659.7  | 2668.4  | 2677.2 | 2685.9 |
| 5°    | 2680.9  | 2695.9  | 2688.4  | 2682.2  | 2677.2  | 2675.9  | 2672.2  | 2670.9  | 2675.9 | 2687.2 |
| 7.5°  | 2734.7  | 2749.7  | 2738.4  | 2727.2  | 2717.2  | 2712.2  | 2707.2  | 2699.7  | 2695.9 | 2702.2 |
| 10°   | 2794.7  | 2809.7  | 2795.9  | 2775.9  | 2759.7  | 2753.4  | 2748.4  | 2740.9  | 2735.9 | 2739.7 |
| 12.5° | 2854.7  | 2869.7  | 2850.9  | 2823.4  | 2802.2  | 2798.4  | 2792.2  | 2789.7  | 2788.4 | 2787.2 |
| 15°   | 2910.9  | 2923.4  | 2899.7  | 2867.2  | 2844.7  | 2838.4  | 2832.2  | 2835.9  | 2842.2 | 2849.7 |
| 17.5° | 2954.7  | 2967.2  | 2932.2  | 2889.7  | 2868.4  | 2865.9  | 2862.2  | 2874.7  | 2892.2 | 2910.9 |
| 20°   | 2994.7  | 3007.2  | 2962.2  | 2904.7  | 2879.7  | 2879.7  | 2880.9  | 2907.2  | 2932.2 | 2959.7 |
| 22.5° | 3050.9  | 3060.9  | 3005.9  | 2927.2  | 2890.9  | 2893.4  | 2903.4  | 2929.7  | 2960.9 | 2998.4 |
| 25°   | 3134.6  | 3142.1  | 3074.6  | 2969.7  | 2928.4  | 2935.9  | 2944.7  | 2957.2  | 2987.2 | 3030.9 |
| 27.5° | 3269.6  | 3275.9  | 3187.1  | 3044.6  | 2982.2  | 2994.7  | 3007.2  | 2998.4  | 3012.2 | 3049.6 |
| 30°   | 3459.6  | 3463.4  | 3350.9  | 3162.1  | 3073.4  | 3079.6  | 3082.1  | 3045.9  | 3019.7 | 3049.6 |
| 32.5° | 3684.6  | 3683.3  | 3549.6  | 3304.6  | 3177.1  | 3170.9  | 3149.6  | 3078.4  | 3017.2 | 3043.4 |
| 35°   | 4033.3  | 4019.5  | 3847.1  | 3504.6  | 3294.6  | 3255.9  | 3205.9  | 3114.6  | 3029.7 | 3037.1 |
| 37.5° | 4610.7  | 4568.2  | 4329.5  | 3832.1  | 3469.6  | 3370.9  | 3297.1  | 3173.4  | 3057.1 | 3034.6 |
| 40°   | 5261.9  | 5208.1  | 4945.7  | 4280.8  | 3732.1  | 3573.3  | 3454.6  | 3257.1  | 3102.1 | 3045.9 |
| 42.5° | 6034.3  | 5958.1  | 5675.6  | 4809.4  | 4064.5  | 3834.6  | 3655.8  | 3363.4  | 3168.4 | 3082.1 |
| 45°   | 6982.9  | 6881.7  | 6481.8  | 5405.6  | 4483.2  | 4177.0  | 3938.3  | 3524.6  | 3269.6 | 3152.1 |
| 47.5° | 7941.6  | 7966.6  | 7397.9  | 6088.0  | 4985.7  | 4599.5  | 4292.0  | 3767.1  | 3417.1 | 3264.6 |
| 50°   | 8960.2  | 8977.7  | 8309.0  | 6844.2  | 5555.6  | 5076.9  | 4689.5  | 4038.3  | 3622.1 | 3424.6 |
| 52.5° | 9755.1  | 9757.6  | 9136.4  | 7635.4  | 6149.3  | 5601.9  | 5118.2  | 4348.2  | 3859.6 | 3637.1 |
| 55°   | 10252.6 | 10246.3 | 9716.4  | 8384.0  | 6831.7  | 6153.0  | 5593.1  | 4700.7  | 4149.5 | 3887.1 |
| 57.5° | 10613.8 | 10595.0 | 10116.3 | 9027.7  | 7559.1  | 6804.2  | 6130.5  | 5100.7  | 4492.0 | 4184.5 |
| 60°   | 10751.3 | 10740.0 | 10387.6 | 9583.9  | 8324.0  | 7524.1  | 6750.5  | 5548.1  | 4880.7 | 4535.7 |
| 62.5° | 10803.8 | 10825.0 | 10653.8 | 10122.6 | 9142.7  | 8321.5  | 7431.6  | 6083.0  | 5318.1 | 4933.2 |
| 65°   | 10988.7 | 11027.5 | 10992.5 | 10827.5 | 10067.6 | 9255.2  | 8335.3  | 6719.2  | 5795.6 | 5359.4 |
| 67.5° | 11354.9 | 11393.7 | 11408.7 | 11671.2 | 11197.5 | 10418.8 | 9462.7  | 7511.6  | 6354.3 | 5801.8 |
| 70°   | 11346.2 | 11334.9 | 11599.9 | 12342.3 | 12612.3 | 12029.9 | 10982.5 | 8486.5  | 7020.4 | 6169.3 |
| 72.5° | 10327.6 | 10237.6 | 10863.7 | 12334.8 | 13789.7 | 13712.2 | 12838.5 | 9743.9  | 7595.4 | 6214.3 |
| 75°   | 7747.9  | 7507.9  | 8614.0  | 11116.2 | 13985.9 | 14667.1 | 14018.4 | 10523.8 | 7459.1 | 5490.6 |
| 77.5° | 3313.4  | 3072.1  | 4375.7  | 8229.1  | 12517.3 | 13710.9 | 12936.0 | 9181.4  | 5954.3 | 3630.8 |
| 80°   | 867.4   | 866.2   | 1322.3  | 3730.8  | 8512.8  | 10125.1 | 8882.7  | 5929.3  | 3402.1 | 1297.4 |
| 82.5° | 358.7   | 350.0   | 486.2   | 1451.1  | 4159.5  | 5681.8  | 4637.0  | 2644.7  | 1228.6 | 351.2  |
| 85°   | 133.7   | 132.5   | 236.2   | 501.2   | 1467.3  | 2343.5  | 1696.1  | 676.2   | 306.2  | 171.2  |
| 87.5° | 37.5    | 36.2    | 51.2    | 173.7   | 357.5   | 542.4   | 290.0   | 111.2   | 86.2   | 67.5   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |

REPORT NUMBER: P940472

CATALOG NUMBER: GLAN-SB3C-760-U-SL4

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2694.7 | 0°    | 2694.7 | 2694.7 | 2694.7 | 2694.7 | 2694.7 | 2694.7 | 2694.7 | 2694.7 | 2694.7 | 2694.7 |
| 2699.7 | 2.5°  | 2703.4 | 2709.7 | 2720.9 | 2729.7 | 2740.9 | 2753.4 | 2770.9 | 2782.2 | 2793.4 | 2800.9 |
| 2705.9 | 5°    | 2714.7 | 2728.4 | 2757.2 | 2785.9 | 2819.7 | 2850.9 | 2887.2 | 2913.4 | 2934.7 | 2940.9 |
| 2728.4 | 7.5°  | 2739.7 | 2762.2 | 2810.9 | 2859.7 | 2913.4 | 2964.7 | 3017.2 | 3062.1 | 3098.4 | 3112.1 |
| 2768.4 | 10°   | 2783.4 | 2813.4 | 2882.2 | 2950.9 | 3022.2 | 3100.9 | 3168.4 | 3233.4 | 3284.6 | 3305.9 |
| 2815.9 | 12.5° | 2838.4 | 2875.9 | 2965.9 | 3060.9 | 3159.6 | 3268.4 | 3355.9 | 3435.9 | 3499.6 | 3528.3 |
| 2882.2 | 15°   | 2909.7 | 2958.4 | 3073.4 | 3200.9 | 3345.9 | 3497.1 | 3608.3 | 3697.1 | 3768.3 | 3803.3 |
| 2950.9 | 17.5° | 2987.2 | 3052.1 | 3197.1 | 3389.6 | 3597.1 | 3795.8 | 3925.8 | 3990.8 | 4064.5 | 4098.3 |
| 3014.7 | 20°   | 3062.1 | 3142.1 | 3349.6 | 3629.6 | 3905.8 | 4117.0 | 4222.0 | 4239.5 | 4244.5 | 4248.3 |
| 3074.6 | 22.5° | 3139.6 | 3247.1 | 3540.8 | 3932.0 | 4228.3 | 4374.5 | 4389.5 | 4314.5 | 4209.5 | 4160.8 |
| 3133.4 | 25°   | 3224.6 | 3367.1 | 3790.8 | 4265.8 | 4505.7 | 4523.2 | 4408.2 | 4225.8 | 4027.0 | 3935.8 |
| 3180.9 | 27.5° | 3307.1 | 3505.8 | 4090.8 | 4584.5 | 4705.7 | 4552.0 | 4304.5 | 4045.8 | 3805.8 | 3709.6 |
| 3214.6 | 30°   | 3389.6 | 3664.6 | 4422.0 | 4863.2 | 4796.9 | 4480.7 | 4140.8 | 3852.1 | 3610.8 | 3509.6 |
| 3244.6 | 32.5° | 3473.3 | 3849.6 | 4803.2 | 5064.4 | 4780.7 | 4329.5 | 3937.0 | 3634.6 | 3422.1 | 3315.9 |
| 3270.9 | 35°   | 3568.3 | 4077.0 | 5164.4 | 5174.4 | 4672.0 | 4107.0 | 3668.3 | 3374.6 | 3189.6 | 3104.6 |
| 3302.1 | 37.5° | 3692.1 | 4365.7 | 5483.1 | 5201.9 | 4482.0 | 3780.8 | 3334.6 | 3067.1 | 2914.7 | 2875.9 |
| 3348.4 | 40°   | 3845.8 | 4713.2 | 5726.8 | 5158.2 | 4200.8 | 3384.6 | 2969.7 | 2755.9 | 2669.7 | 2678.4 |
| 3410.9 | 42.5° | 4045.8 | 5101.9 | 5898.1 | 5045.7 | 3809.6 | 2975.9 | 2649.7 | 2554.7 | 2596.0 | 2630.9 |
| 3504.6 | 45°   | 4305.8 | 5505.6 | 6004.3 | 4854.4 | 3367.1 | 2629.7 | 2461.0 | 2483.5 | 2514.7 | 2518.5 |
| 3655.8 | 47.5° | 4638.2 | 5914.3 | 6074.3 | 4565.7 | 2915.9 | 2386.0 | 2341.0 | 2346.0 | 2339.7 | 2313.5 |
| 3882.1 | 50°   | 5053.2 | 6311.8 | 6136.8 | 4183.3 | 2532.2 | 2233.5 | 2173.5 | 2156.0 | 2069.8 | 1984.8 |
| 4183.3 | 52.5° | 5525.6 | 6676.7 | 6163.0 | 3708.3 | 2233.5 | 2106.0 | 2008.5 | 1898.5 | 1737.3 | 1711.1 |
| 4562.0 | 55°   | 6050.6 | 7014.2 | 6095.5 | 3124.6 | 1982.3 | 1942.3 | 1794.8 | 1662.3 | 1644.8 | 1622.3 |
| 5060.7 | 57.5° | 6678.0 | 7377.9 | 5958.1 | 2473.5 | 1724.8 | 1751.0 | 1607.3 | 1622.3 | 1591.1 | 1556.1 |
| 5701.8 | 60°   | 7364.2 | 7754.1 | 5716.8 | 1879.8 | 1458.6 | 1512.3 | 1558.6 | 1557.3 | 1548.6 | 1519.8 |
| 6378.0 | 62.5° | 7981.6 | 8001.6 | 5241.9 | 1439.8 | 1224.9 | 1327.3 | 1453.6 | 1452.3 | 1444.8 | 1428.6 |
| 7084.2 | 65°   | 8349.0 | 7964.1 | 4449.5 | 1133.6 | 1032.4 | 1174.9 | 1311.1 | 1321.1 | 1322.3 | 1321.1 |
| 7615.4 | 67.5° | 8284.0 | 7525.4 | 3362.1 | 902.4  | 873.6  | 1019.9 | 1169.9 | 1183.6 | 1193.6 | 1196.1 |
| 7682.9 | 70°   | 7549.1 | 6561.7 | 2192.2 | 719.9  | 732.4  | 883.6  | 1036.1 | 1049.9 | 1058.6 | 1068.6 |
| 6666.7 | 72.5° | 5884.3 | 4824.4 | 1254.9 | 582.4  | 608.7  | 766.2  | 903.6  | 919.9  | 924.9  | 943.6  |
| 4639.5 | 75°   | 3585.8 | 2837.2 | 677.4  | 458.7  | 499.9  | 654.9  | 772.4  | 791.2  | 799.9  | 822.4  |
| 2278.5 | 77.5° | 1704.8 | 1228.6 | 386.2  | 357.5  | 402.5  | 534.9  | 652.4  | 673.7  | 649.9  | 662.4  |
| 628.7  | 80°   | 576.2  | 456.2  | 243.7  | 272.5  | 307.5  | 417.5  | 522.4  | 543.7  | 493.7  | 491.2  |
| 208.7  | 82.5° | 201.2  | 185.0  | 155.0  | 181.2  | 198.7  | 298.7  | 395.0  | 422.5  | 367.5  | 366.2  |
| 93.7   | 85°   | 78.7   | 75.0   | 86.2   | 98.7   | 118.7  | 183.7  | 260.0  | 273.7  | 226.2  | 182.5  |
| 27.5   | 87.5° | 16.2   | 17.5   | 21.2   | 22.5   | 36.2   | 63.7   | 93.7   | 115.0  | 91.2   | 77.5   |
| 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°   |
|--------|
| 2694.7 |
| 2795.9 |
| 2943.4 |
| 3113.4 |
| 3307.1 |
| 3528.3 |
| 3800.8 |
| 4097.0 |
| 4258.3 |
| 4174.5 |
| 3949.5 |
| 3720.8 |
| 3520.8 |
| 3329.6 |
| 3123.4 |
| 2903.4 |
| 2708.4 |
| 2663.4 |
| 2543.5 |
| 2333.5 |
| 1996.0 |
| 1719.8 |
| 1626.1 |
| 1549.8 |
| 1509.8 |
| 1422.3 |
| 1321.1 |
| 1198.6 |
| 1073.6 |
| 951.1  |
| 824.9  |
| 652.4  |
| 486.2  |
| 348.7  |
| 180.0  |
| 71.2   |
| 0.0    |