

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: P952657

Luminaire Tested: **GLAN-SB6B-940-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-940-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 18911 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 220.4  
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

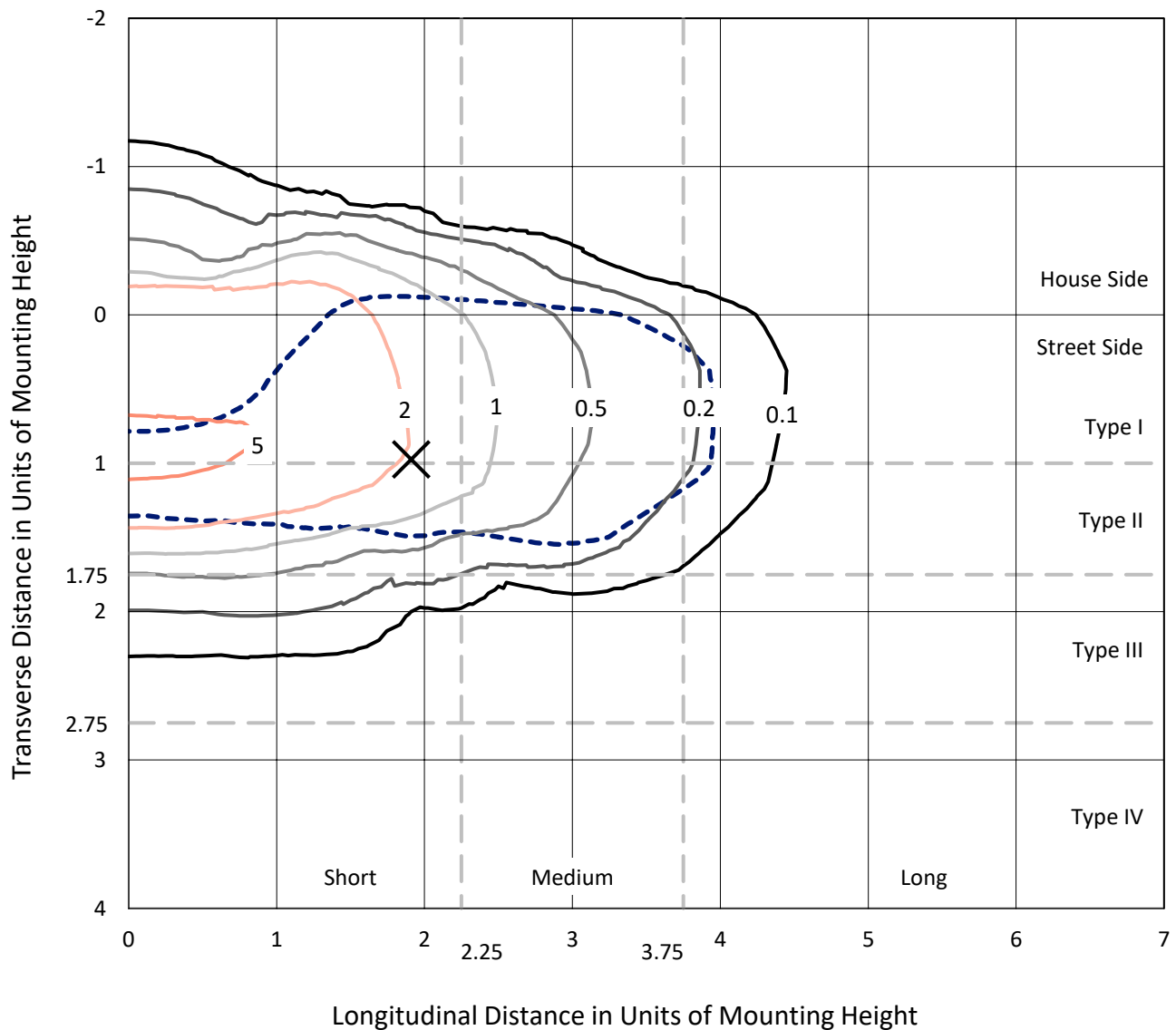


REPORT NUMBER: P952657

CATALOG NUMBER: GLAN-SB6B-940-U-T2U-HSS

## Iso-Footcandle Lines of Horizontal Illumination

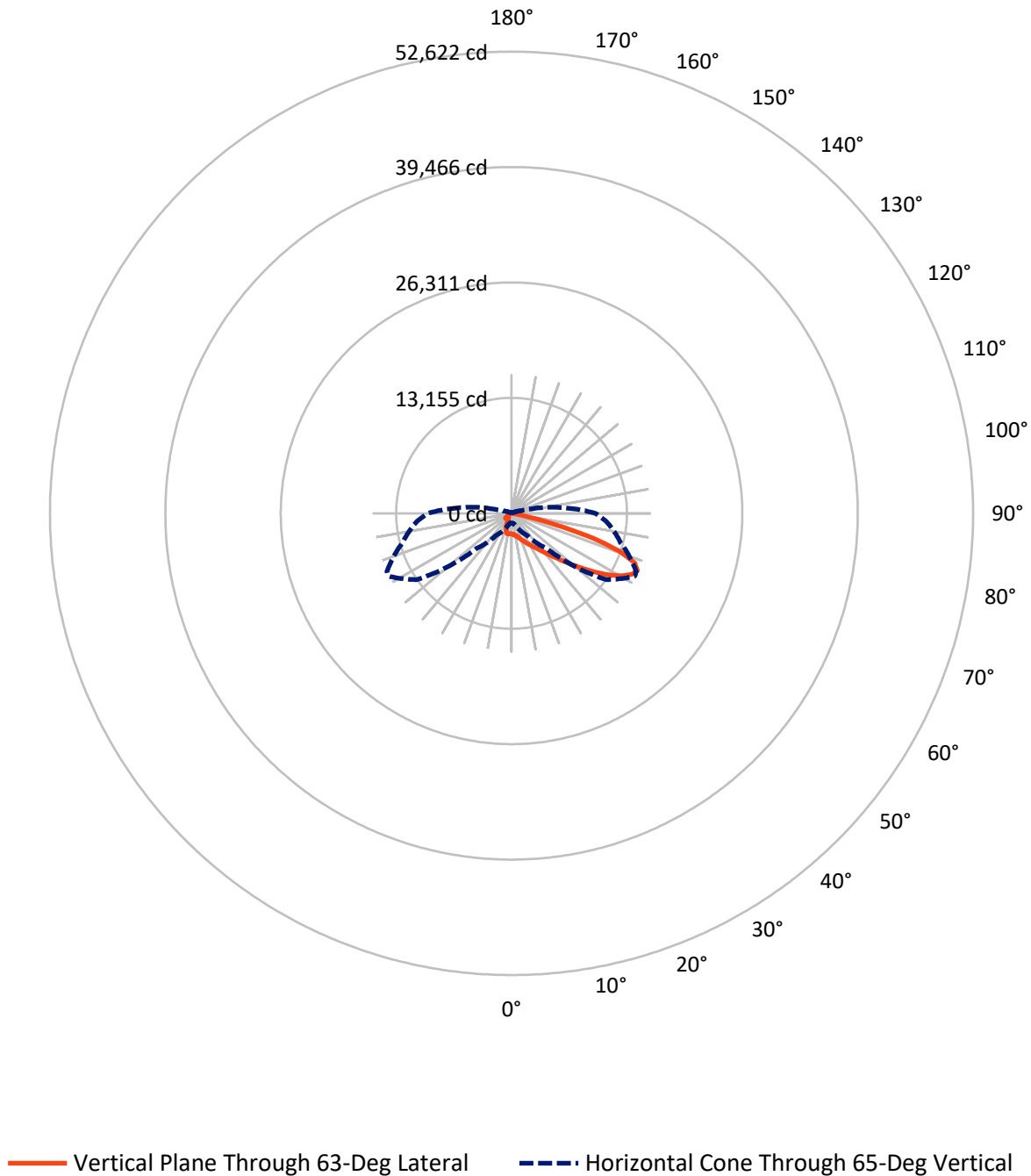
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
Type II - Short - N/A

REPORT NUMBER: P952657  
CATALOG NUMBER: GLAN-SB6B-940-U-T2U-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P952657

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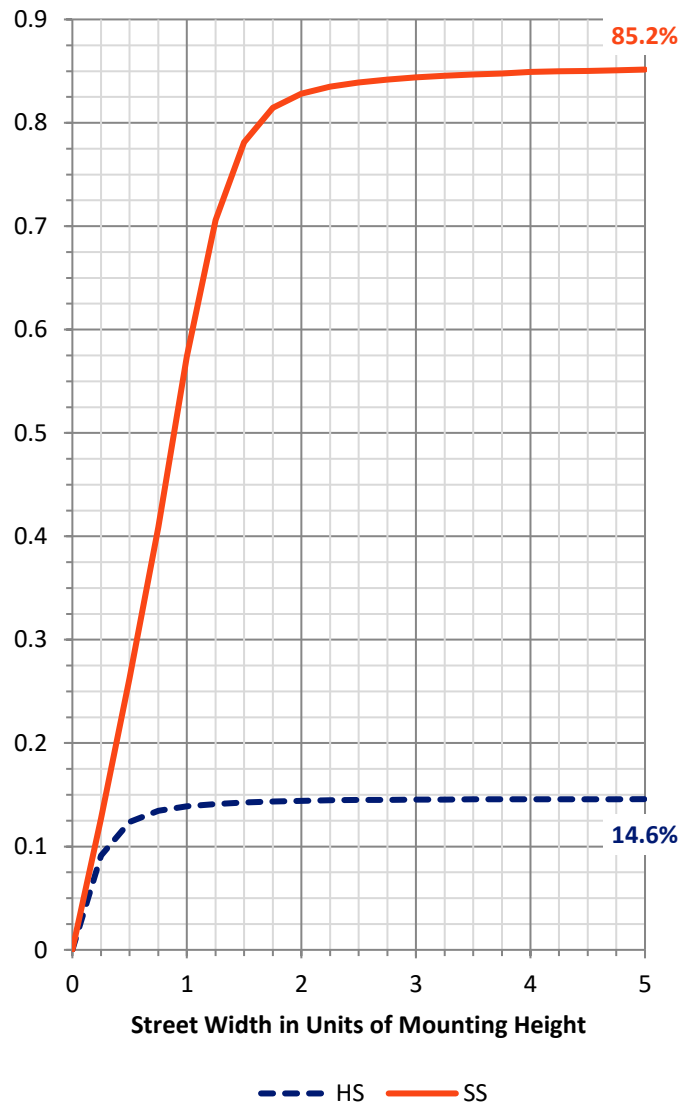
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2779.8   | 0.0    | 2779.8  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 16131.2  | 0.0    | 16131.2 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 18911.0  | 0.0    | 18911.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 219.9   | 1.2       |
| 10°-20°   | 610.2   | 3.2       |
| 20°-30°   | 1062.4  | 5.6       |
| 30°-40°   | 1914.9  | 10.1      |
| 40°-50°   | 3797.9  | 20.1      |
| 50°-60°   | 5173.4  | 27.4      |
| 60°-70°   | 4129.4  | 21.8      |
| 70°-80°   | 1868.6  | 9.9       |
| 80°-90°   | 134.3   | 0.7       |
| 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°    | 18911.0 | 100.0     |
| 0°-180°   | 18911.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952657

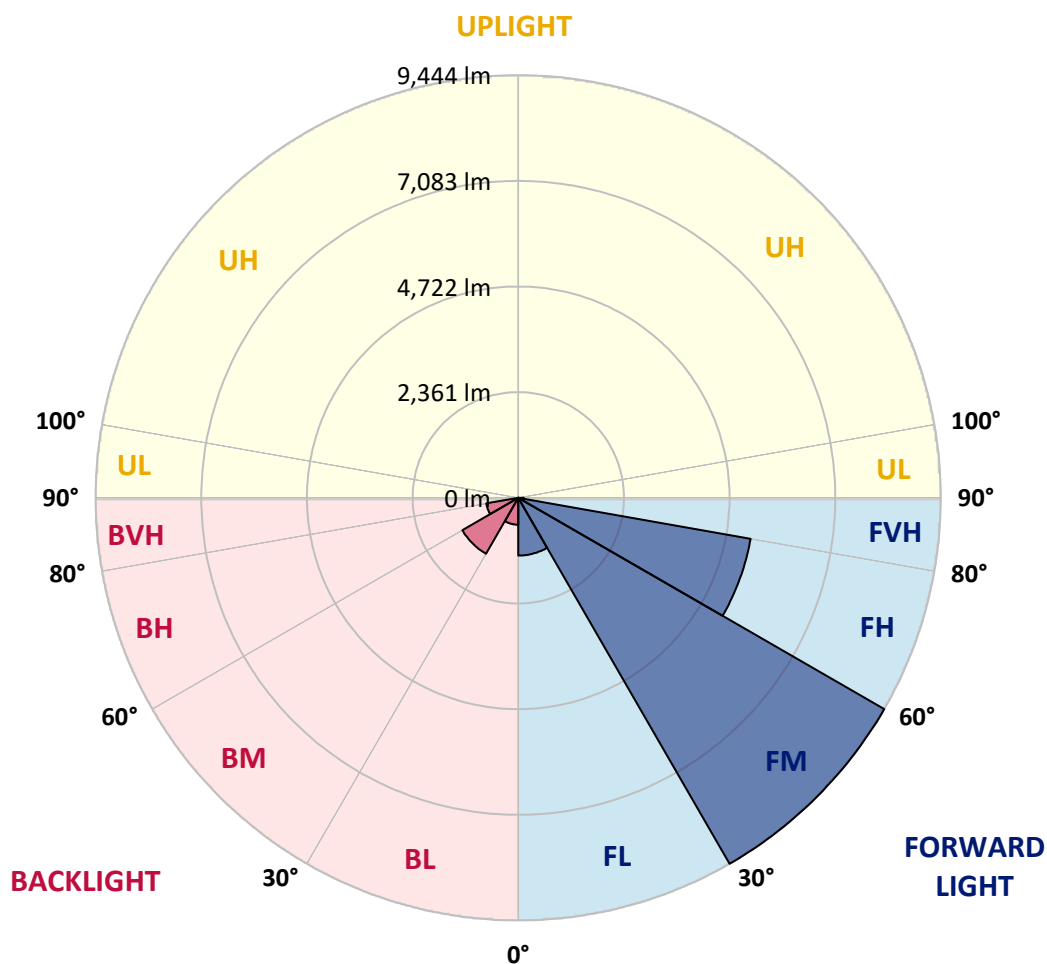
CATALOG NUMBER: GLAN-SB6B-940-U-T2U-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1290.9 | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 9443.7 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 5272.3 | 27.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 124.3  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 601.6  | 3.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1442.5 | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 725.7  | 3.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 10.0   | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type II Short



REPORT NUMBER: P952657

CATALOG NUMBER: GLAN-SB6B-940-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2334.0  | 2334.0  | 2334.0  | 2334.0  | 2334.0  | 2334.0  | 2334.0  | 2334.0  | 2334.0  | 2334.0  |
| 2.5°  | 2388.6  | 2382.1  | 2391.2  | 2387.3  | 2384.7  | 2379.5  | 2376.9  | 2374.3  | 2369.1  | 2365.2  |
| 5°    | 2395.1  | 2391.2  | 2400.3  | 2408.1  | 2415.9  | 2423.7  | 2427.6  | 2432.8  | 2427.6  | 2417.2  |
| 7.5°  | 2340.5  | 2337.9  | 2357.4  | 2380.8  | 2415.9  | 2445.9  | 2478.4  | 2496.6  | 2497.9  | 2494.0  |
| 10°   | 2336.6  | 2330.1  | 2349.6  | 2378.2  | 2423.7  | 2477.1  | 2534.3  | 2573.4  | 2578.6  | 2595.5  |
| 12.5° | 2397.7  | 2391.2  | 2418.5  | 2449.8  | 2496.6  | 2552.5  | 2622.8  | 2677.4  | 2685.2  | 2708.7  |
| 15°   | 2500.5  | 2491.4  | 2522.6  | 2562.9  | 2622.8  | 2686.5  | 2760.7  | 2810.1  | 2816.6  | 2845.3  |
| 17.5° | 2620.2  | 2611.1  | 2647.5  | 2690.4  | 2755.5  | 2842.7  | 2928.5  | 2983.2  | 2991.0  | 3009.2  |
| 20°   | 2773.7  | 2762.0  | 2790.6  | 2829.7  | 2898.6  | 3002.7  | 3105.5  | 3183.5  | 3182.2  | 3182.2  |
| 22.5° | 2951.9  | 2933.7  | 2958.4  | 2989.7  | 3054.7  | 3180.9  | 3317.5  | 3409.9  | 3409.9  | 3373.5  |
| 25°   | 3143.2  | 3125.0  | 3152.3  | 3180.9  | 3238.2  | 3381.3  | 3541.3  | 3655.8  | 3661.0  | 3598.5  |
| 27.5° | 3382.6  | 3359.2  | 3380.0  | 3413.8  | 3447.6  | 3593.3  | 3783.3  | 3916.0  | 3918.6  | 3822.3  |
| 30°   | 3843.1  | 3776.8  | 3711.7  | 3675.3  | 3690.9  | 3835.3  | 4038.3  | 4185.3  | 4198.3  | 4065.6  |
| 32.5° | 4686.2  | 4673.2  | 4444.2  | 4145.0  | 3988.8  | 4095.5  | 4323.2  | 4500.1  | 4507.9  | 4337.5  |
| 35°   | 5996.3  | 5980.6  | 5612.5  | 5042.6  | 4533.9  | 4444.2  | 4669.3  | 4878.7  | 4873.5  | 4681.0  |
| 37.5° | 7560.0  | 7545.7  | 7060.5  | 6298.1  | 5474.6  | 4971.1  | 5115.5  | 5335.4  | 5367.9  | 5115.5  |
| 40°   | 8896.2  | 8842.8  | 8535.8  | 7800.7  | 6723.5  | 5845.3  | 5750.4  | 5896.1  | 5929.9  | 5630.7  |
| 42.5° | 9908.3  | 9862.8  | 9706.7  | 9247.4  | 8235.3  | 7138.5  | 6498.4  | 6554.4  | 6592.1  | 6233.0  |
| 45°   | 10432.6 | 10422.2 | 10484.7 | 10441.7 | 9775.6  | 8725.7  | 7567.9  | 7335.0  | 7349.3  | 6900.4  |
| 47.5° | 10506.8 | 10501.6 | 10786.5 | 11189.8 | 11100.0 | 10515.9 | 8940.4  | 8308.1  | 8257.4  | 7653.7  |
| 50°   | 10069.7 | 10059.2 | 10605.7 | 11361.5 | 11984.7 | 12019.8 | 10499.0 | 9404.9  | 9293.0  | 8433.0  |
| 52.5° | 8673.7  | 8671.1  | 9568.8  | 10826.8 | 12295.6 | 13336.4 | 12039.4 | 10609.6 | 10422.2 | 9257.8  |
| 55°   | 6674.1  | 6722.2  | 7751.3  | 9238.3  | 11728.4 | 13970.0 | 13422.3 | 11947.0 | 11659.5 | 10087.9 |
| 57.5° | 4727.8  | 4798.0  | 5815.4  | 7139.8  | 9969.5  | 13595.3 | 14357.7 | 13287.0 | 12977.4 | 10915.3 |
| 60°   | 2539.5  | 2602.0  | 3620.7  | 5201.4  | 7416.9  | 12198.1 | 14850.8 | 14450.1 | 14157.4 | 11701.1 |
| 62.5° | 1513.1  | 1533.9  | 1955.4  | 3357.9  | 5016.6  | 9319.0  | 14641.3 | 15336.1 | 15095.4 | 12360.7 |
| 65°   | 1086.3  | 1090.2  | 1302.3  | 2050.4  | 3045.6  | 5661.9  | 13172.5 | 15760.2 | 15686.0 | 12857.7 |
| 67.5° | 914.6   | 912.0   | 1000.5  | 1362.1  | 2075.1  | 2836.2  | 10095.7 | 15160.4 | 15475.3 | 13172.5 |
| 70°   | 784.5   | 788.4   | 892.5   | 997.9   | 1559.9  | 1605.4  | 5019.2  | 13199.8 | 13871.1 | 13255.8 |
| 72.5° | 584.1   | 597.2   | 693.4   | 909.4   | 1177.4  | 1104.5  | 1732.9  | 9787.3  | 11001.2 | 12489.5 |
| 75°   | 412.4   | 418.9   | 487.9   | 765.0   | 878.2   | 804.0   | 884.7   | 5059.5  | 6615.5  | 9575.3  |
| 77.5° | 317.4   | 329.2   | 369.5   | 534.7   | 865.2   | 564.6   | 541.2   | 1751.1  | 2690.4  | 5784.2  |
| 80°   | 171.7   | 192.5   | 266.7   | 386.4   | 607.6   | 399.4   | 268.0   | 697.3   | 912.0   | 2704.8  |
| 82.5° | 88.5    | 98.9    | 186.0   | 278.4   | 346.1   | 348.7   | 132.7   | 290.1   | 376.0   | 835.2   |
| 85°   | 35.1    | 42.9    | 124.9   | 153.5   | 178.2   | 171.7   | 59.8    | 117.1   | 135.3   | 231.6   |
| 87.5° | 7.8     | 13.0    | 45.5    | 35.1    | 33.8    | 36.4    | 14.3    | 27.3    | 26.0    | 27.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P952657

CATALOG NUMBER: GLAN-SB6B-940-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2334.0  | 0°    | 2334.0 | 2334.0 | 2334.0 | 2334.0 | 2334.0 | 2334.0 | 2334.0 | 2334.0 | 2334.0 | 2334.0 |
| 2349.6  | 2.5°  | 2348.3 | 2343.1 | 2328.8 | 2313.2 | 2294.9 | 2284.5 | 2278.0 | 2276.7 | 2267.6 | 2261.1 |
| 2401.6  | 5°    | 2387.3 | 2382.1 | 2354.8 | 2322.3 | 2287.1 | 2259.8 | 2233.8 | 2210.4 | 2176.6 | 2170.1 |
| 2477.1  | 7.5°  | 2465.4 | 2451.1 | 2406.8 | 2362.6 | 2296.2 | 2216.9 | 2120.6 | 2010.0 | 1911.2 | 1881.2 |
| 2577.3  | 10°   | 2561.6 | 2542.1 | 2486.2 | 2408.1 | 2261.1 | 2045.2 | 1812.3 | 1596.3 | 1424.6 | 1376.4 |
| 2695.6  | 12.5° | 2670.9 | 2654.0 | 2579.9 | 2435.5 | 2114.1 | 1722.5 | 1366.0 | 1098.0 | 931.5  | 889.9  |
| 2821.8  | 15°   | 2801.0 | 2776.3 | 2673.5 | 2393.8 | 1851.3 | 1308.8 | 938.0  | 779.3  | 719.4  | 711.6  |
| 2966.3  | 17.5° | 2938.9 | 2898.6 | 2756.8 | 2244.2 | 1497.4 | 930.2  | 724.7  | 679.1  | 653.1  | 645.3  |
| 3112.0  | 20°   | 3065.1 | 3013.1 | 2806.2 | 2017.8 | 1118.9 | 724.7  | 649.2  | 619.3  | 595.9  | 586.7  |
| 3257.7  | 22.5° | 3191.3 | 3117.2 | 2806.2 | 1709.5 | 839.1  | 642.7  | 595.9  | 568.5  | 541.2  | 529.5  |
| 3413.8  | 25°   | 3322.7 | 3223.9 | 2756.8 | 1366.0 | 675.2  | 589.3  | 545.1  | 515.2  | 491.8  | 477.5  |
| 3562.1  | 27.5° | 3450.2 | 3313.6 | 2643.6 | 1040.8 | 601.1  | 542.5  | 498.3  | 469.7  | 447.5  | 437.1  |
| 3723.4  | 30°   | 3571.2 | 3402.1 | 2484.9 | 789.7  | 552.9  | 497.0  | 455.3  | 430.6  | 408.5  | 398.1  |
| 3932.9  | 32.5° | 3735.1 | 3514.0 | 2315.8 | 647.9  | 511.3  | 454.0  | 416.3  | 392.9  | 373.4  | 365.6  |
| 4204.8  | 35°   | 3962.8 | 3679.2 | 2170.1 | 636.2  | 476.2  | 418.9  | 381.2  | 359.1  | 339.6  | 333.1  |
| 4556.1  | 37.5° | 4285.5 | 3945.9 | 2093.3 | 714.2  | 447.5  | 387.7  | 352.6  | 329.2  | 310.9  | 305.7  |
| 5002.3  | 40°   | 4683.6 | 4307.6 | 2134.9 | 792.3  | 428.0  | 360.4  | 326.5  | 303.1  | 287.5  | 281.0  |
| 5514.9  | 42.5° | 5155.8 | 4753.8 | 2365.2 | 852.1  | 415.0  | 337.0  | 301.8  | 275.8  | 265.4  | 262.8  |
| 6096.4  | 45°   | 5698.3 | 5244.3 | 2717.8 | 915.9  | 394.2  | 314.8  | 277.1  | 257.6  | 249.8  | 248.5  |
| 6728.7  | 47.5° | 6315.0 | 5782.9 | 3126.3 | 995.3  | 373.4  | 294.0  | 257.6  | 244.6  | 238.1  | 235.5  |
| 7388.3  | 50°   | 6926.5 | 6325.4 | 3546.5 | 1039.5 | 356.5  | 274.5  | 242.0  | 231.6  | 226.4  | 225.1  |
| 8085.6  | 52.5° | 7566.6 | 6883.5 | 3886.1 | 997.9  | 342.2  | 258.9  | 229.0  | 221.2  | 216.0  | 214.7  |
| 8728.3  | 55°   | 8176.7 | 7335.0 | 3944.6 | 846.9  | 313.5  | 243.3  | 214.7  | 210.8  | 204.3  | 204.3  |
| 9380.1  | 57.5° | 8702.3 | 7561.3 | 3530.9 | 621.9  | 284.9  | 219.9  | 200.4  | 196.4  | 191.2  | 189.9  |
| 9968.2  | 60°   | 9185.0 | 7496.3 | 2725.6 | 418.9  | 253.7  | 196.4  | 182.1  | 179.5  | 174.3  | 167.8  |
| 10479.5 | 62.5° | 9456.9 | 7210.1 | 1864.3 | 273.2  | 222.5  | 171.7  | 161.3  | 160.0  | 148.3  | 135.3  |
| 10858.1 | 65°   | 9559.7 | 6622.0 | 1163.1 | 199.1  | 186.0  | 147.0  | 139.2  | 136.6  | 119.7  | 105.4  |
| 11072.7 | 67.5° | 9469.9 | 5654.1 | 586.7  | 157.4  | 147.0  | 122.3  | 114.5  | 114.5  | 102.8  | 89.8   |
| 11059.7 | 70°   | 9110.8 | 4238.6 | 247.2  | 126.2  | 113.2  | 93.7   | 93.7   | 98.9   | 87.2   | 72.9   |
| 10486.0 | 72.5° | 8331.5 | 2851.8 | 131.4  | 96.3   | 84.6   | 66.4   | 76.8   | 80.7   | 69.0   | 54.6   |
| 8582.6  | 75°   | 6623.3 | 1739.4 | 91.1   | 71.6   | 53.3   | 46.8   | 58.5   | 61.1   | 46.8   | 36.4   |
| 5884.4  | 77.5° | 4530.0 | 999.2  | 61.1   | 45.5   | 33.8   | 27.3   | 40.3   | 37.7   | 24.7   | 16.9   |
| 2268.9  | 80°   | 1989.2 | 416.3  | 35.1   | 20.8   | 13.0   | 10.4   | 14.3   | 10.4   | 7.8    | 5.2    |
| 310.9   | 82.5° | 232.9  | 97.6   | 13.0   | 7.8    | 5.2    | 2.6    | 1.3    | 0.0    | 0.0    | 0.0    |
| 95.0    | 85°   | 48.1   | 11.7   | 6.5    | 2.6    | 1.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 16.9    | 87.5° | 9.1    | 2.6    | 1.3    | 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°   |
|--------|
| 2334.0 |
| 2267.6 |
| 2167.4 |
| 1866.9 |
| 1358.2 |
| 878.2  |
| 703.8  |
| 641.4  |
| 581.5  |
| 523.0  |
| 472.3  |
| 437.1  |
| 399.4  |
| 365.6  |
| 333.1  |
| 304.4  |
| 279.7  |
| 262.8  |
| 247.2  |
| 235.5  |
| 225.1  |
| 214.7  |
| 203.0  |
| 188.6  |
| 166.5  |
| 132.7  |
| 104.1  |
| 88.5   |
| 71.6   |
| 54.6   |
| 35.1   |
| 18.2   |
| 5.2    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |