

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: P940749

Luminaire Tested: **GLAN-SB3D-950-U-T4FT**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940749  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-950-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 20993 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 218.1  
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

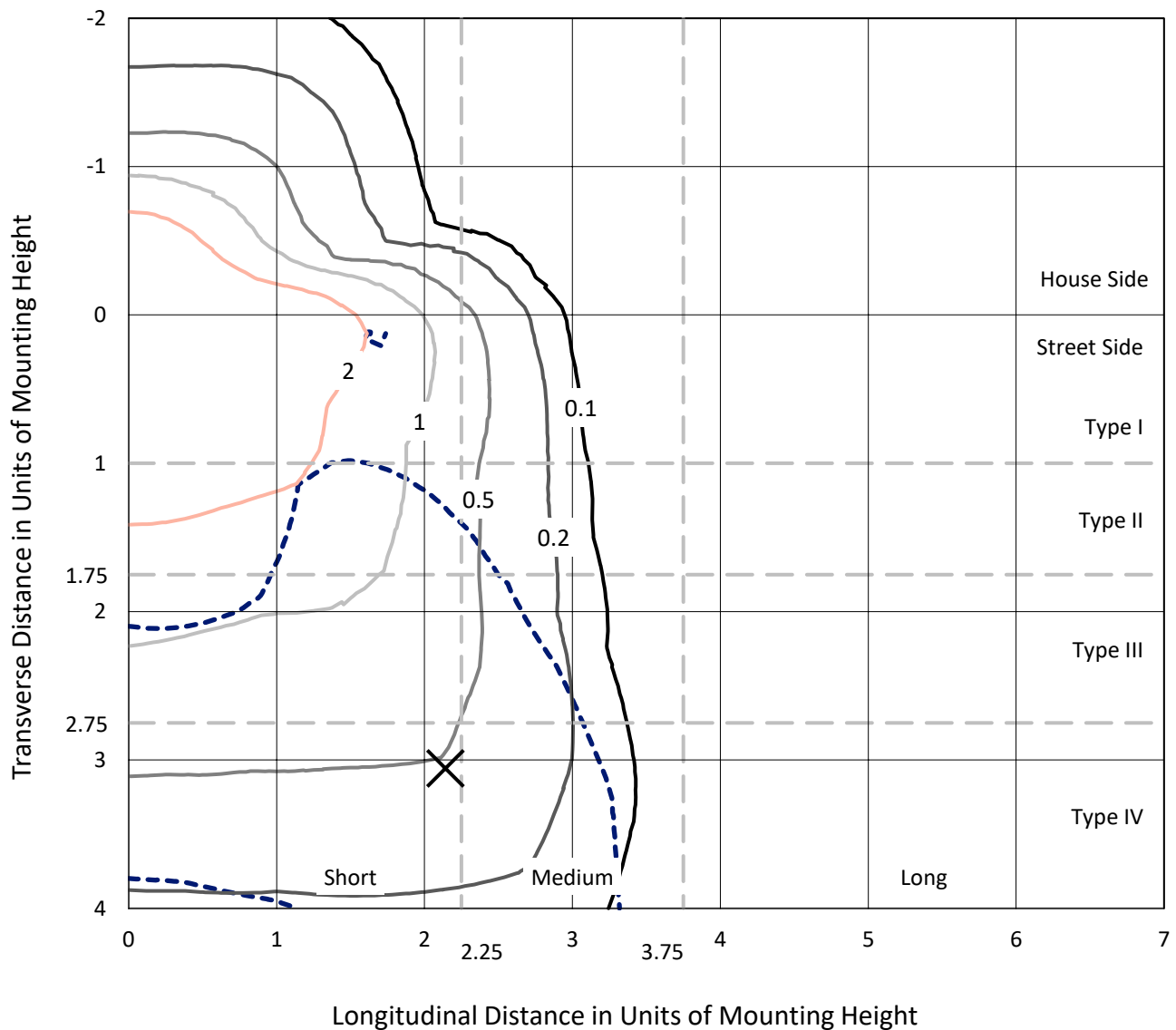


REPORT NUMBER: P940749

CATALOG NUMBER: GLAN-SB3D-950-U-T4FT

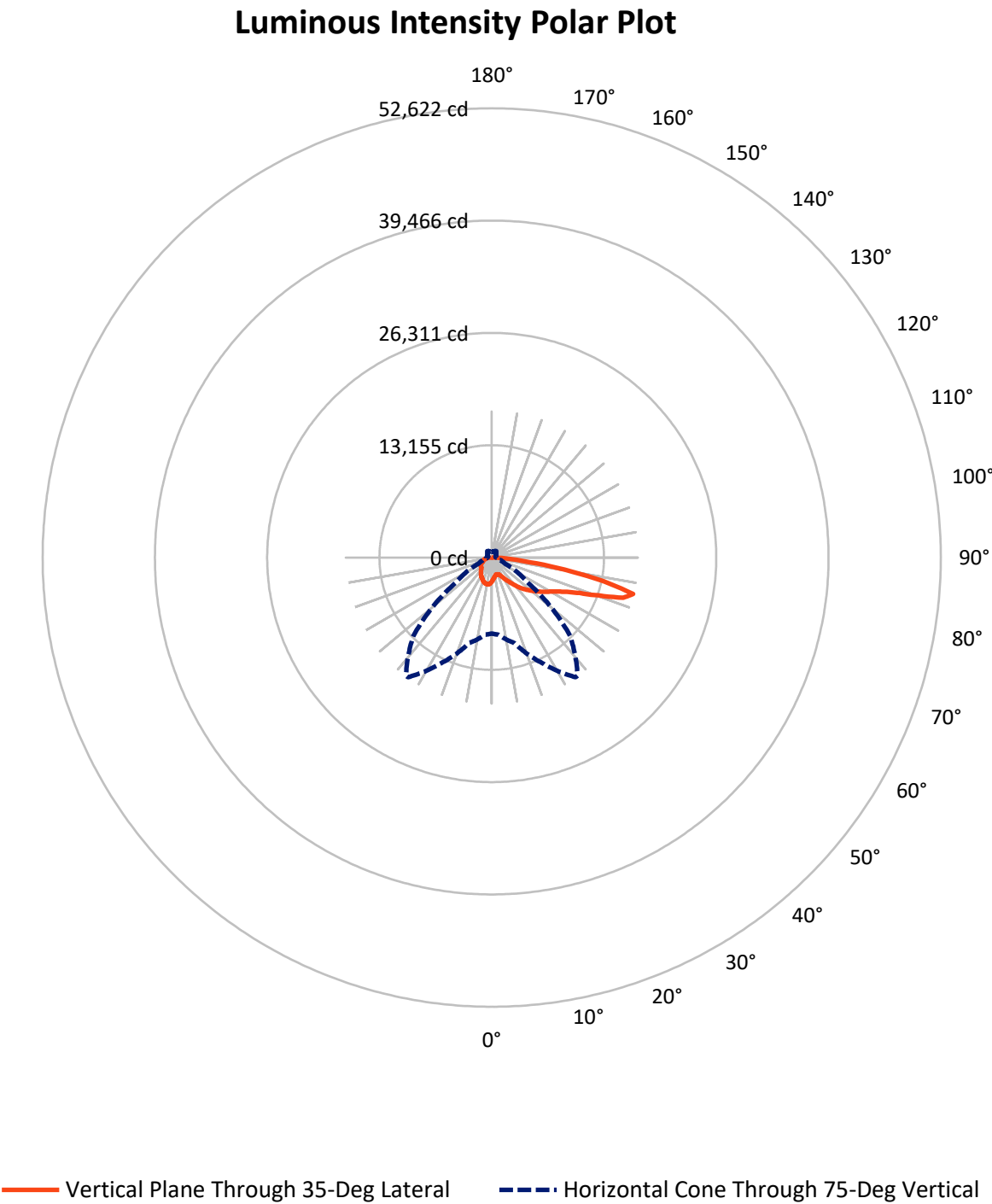
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



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

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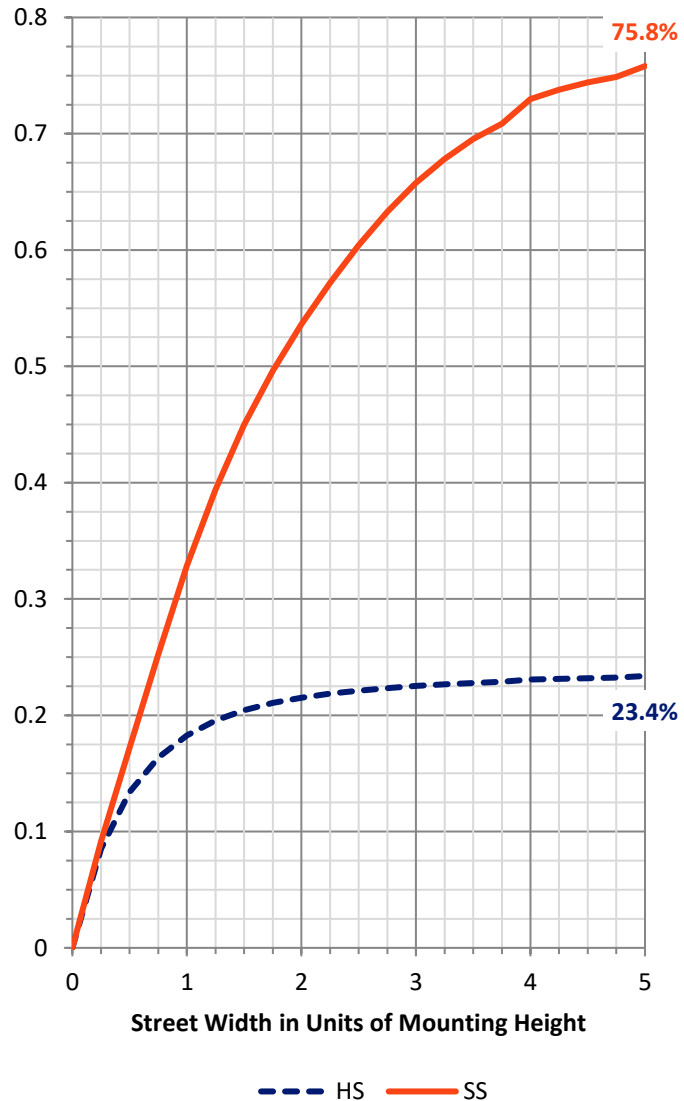
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4995.8   | 0.0    | 4995.8  |
|                    | % Fixture | 23.8     | 0.0    | 23.8    |
| <b>Street Side</b> | Lumens    | 15997.2  | 0.0    | 15997.2 |
|                    | % Fixture | 76.2     | 0.0    | 76.2    |
| <b>Total</b>       | Lumens    | 20993.0  | 0.0    | 20993.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 264.9   | 1.3       |
| 10°-20°   | 764.0   | 3.6       |
| 20°-30°   | 1282.9  | 6.1       |
| 30°-40°   | 1993.8  | 9.5       |
| 40°-50°   | 2959.4  | 14.1      |
| 50°-60°   | 4085.6  | 19.5      |
| 60°-70°   | 4956.8  | 23.6      |
| 70°-80°   | 4096.4  | 19.5      |
| 80°-90°   | 589.2   | 2.8       |
| 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°    | 20993.0 | 100.0     |
| 0°-180°   | 20993.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P940749

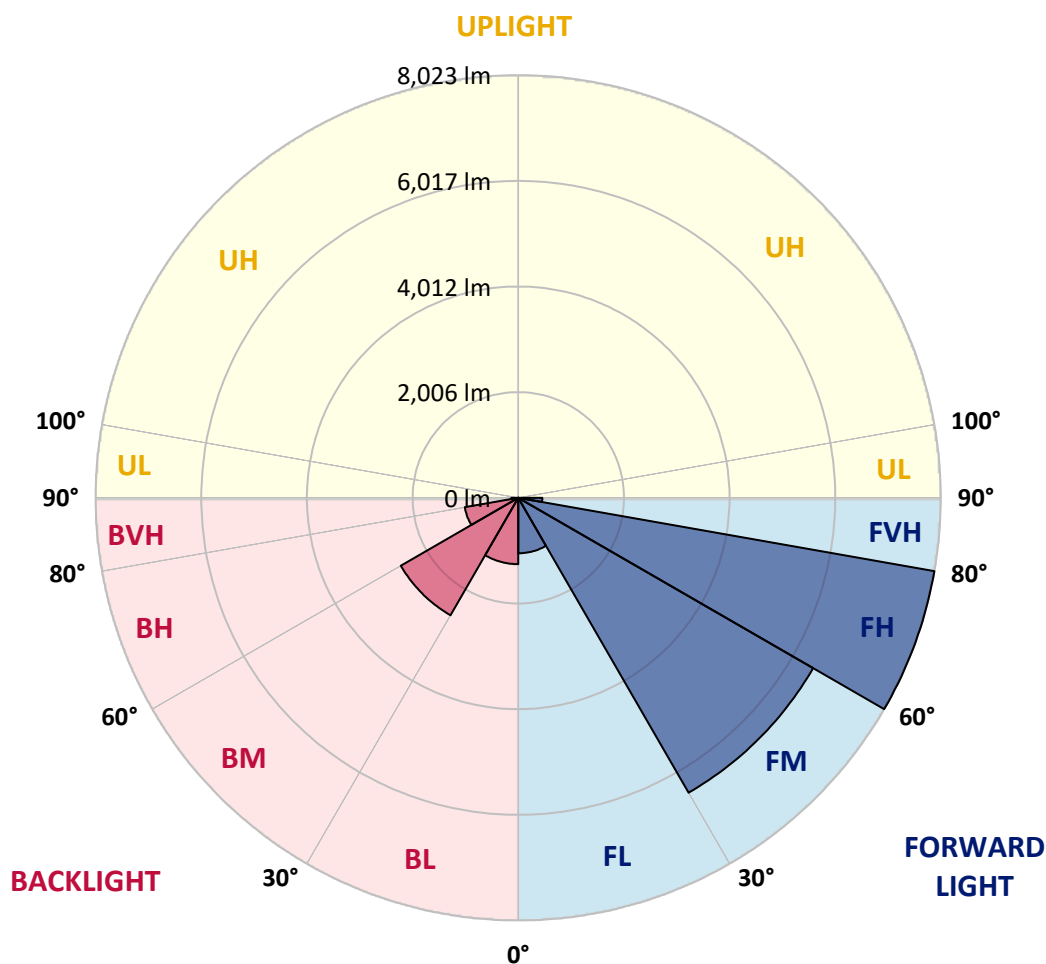
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1052.8 | 5.0       |                         |      |          |
| FM   | (30°-60°)   | 6464.7 | 30.8      |                         |      |          |
| FH   | (60°-80°)   | 8023.2 | 38.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 456.5  | 2.2       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1259.0 | 6.0       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2574.1 | 12.3      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1030.0 | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 132.7  | 0.6       |                         |      | 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 IV Short



REPORT NUMBER: P940749

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 36°     | 45°     | 55°    | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°    | 2797.5  | 2797.5  | 2797.5  | 2797.5  | 2797.5  | 2797.5  | 2797.5  | 2797.5 | 2797.5 | 2797.5 |
| 2.5°  | 2579.6  | 2595.5  | 2602.3  | 2598.9  | 2615.9  | 2613.6  | 2637.4  | 2666.9 | 2707.8 | 2747.5 |
| 5°    | 2381.0  | 2398.0  | 2412.7  | 2426.4  | 2459.3  | 2469.5  | 2506.9  | 2563.7 | 2638.6 | 2714.6 |
| 7.5°  | 2196.0  | 2210.7  | 2233.4  | 2258.4  | 2314.0  | 2324.2  | 2386.6  | 2475.2 | 2579.6 | 2690.8 |
| 10°   | 2045.0  | 2059.8  | 2083.6  | 2112.0  | 2181.2  | 2193.7  | 2273.1  | 2391.2 | 2527.4 | 2668.1 |
| 12.5° | 1980.4  | 1984.9  | 1998.5  | 2026.9  | 2087.0  | 2095.0  | 2182.4  | 2317.4 | 2476.3 | 2651.1 |
| 15°   | 1976.9  | 1986.0  | 1987.2  | 2001.9  | 2051.8  | 2055.3  | 2135.8  | 2269.7 | 2444.5 | 2647.7 |
| 17.5° | 2011.0  | 2017.8  | 2007.6  | 2016.7  | 2058.7  | 2064.3  | 2127.9  | 2247.0 | 2434.3 | 2662.4 |
| 20°   | 2101.8  | 2107.5  | 2076.8  | 2064.3  | 2095.0  | 2099.5  | 2161.9  | 2261.8 | 2444.5 | 2693.1 |
| 22.5° | 2294.7  | 2298.1  | 2223.2  | 2172.1  | 2174.4  | 2176.7  | 2231.2  | 2321.9 | 2484.2 | 2748.7 |
| 25°   | 2595.5  | 2593.2  | 2474.0  | 2375.3  | 2318.5  | 2306.1  | 2342.4  | 2419.5 | 2551.2 | 2822.4 |
| 27.5° | 2947.3  | 2930.2  | 2811.1  | 2663.5  | 2539.8  | 2521.7  | 2513.7  | 2546.7 | 2646.5 | 2920.0 |
| 30°   | 3344.5  | 3328.6  | 3200.3  | 3007.4  | 2836.0  | 2806.5  | 2731.6  | 2714.6 | 2788.4 | 3052.8 |
| 32.5° | 3780.3  | 3770.0  | 3616.8  | 3383.1  | 3153.8  | 3119.8  | 2993.8  | 2948.4 | 3006.3 | 3253.7 |
| 35°   | 4145.7  | 4136.6  | 4009.5  | 3768.9  | 3488.6  | 3446.6  | 3318.4  | 3267.3 | 3296.8 | 3511.3 |
| 37.5° | 4475.9  | 4471.4  | 4362.4  | 4172.9  | 3883.5  | 3832.5  | 3688.3  | 3671.3 | 3665.6 | 3850.6 |
| 40°   | 4782.4  | 4771.0  | 4657.5  | 4557.6  | 4343.2  | 4296.6  | 4169.5  | 4154.8 | 4111.6 | 4268.3 |
| 42.5° | 5121.7  | 5092.2  | 4927.6  | 4881.1  | 4823.2  | 4784.6  | 4708.6  | 4710.9 | 4615.5 | 4739.2 |
| 45°   | 5398.6  | 5381.6  | 5212.5  | 5185.2  | 5247.6  | 5231.8  | 5297.6  | 5314.6 | 5129.6 | 5232.9 |
| 47.5° | 5695.9  | 5680.0  | 5537.0  | 5517.7  | 5686.8  | 5691.4  | 5924.0  | 5929.7 | 5631.2 | 5745.9 |
| 50°   | 6062.5  | 6039.8  | 5897.9  | 5921.8  | 6111.3  | 6128.3  | 6553.9  | 6515.3 | 6093.1 | 6266.8 |
| 52.5° | 6304.2  | 6317.8  | 6287.2  | 6325.8  | 6584.5  | 6600.4  | 7173.5  | 7074.8 | 6550.5 | 6780.9 |
| 55°   | 6482.4  | 6509.6  | 6605.0  | 6693.5  | 7083.9  | 7099.8  | 7758.0  | 7607.0 | 6929.5 | 7257.5 |
| 57.5° | 6711.6  | 6673.0  | 6851.2  | 7023.7  | 7558.2  | 7600.2  | 8326.6  | 8120.0 | 7265.4 | 7668.3 |
| 60°   | 7040.7  | 7013.5  | 7152.0  | 7407.3  | 8089.4  | 8156.3  | 8928.0  | 8581.9 | 7511.7 | 7994.0 |
| 62.5° | 7708.1  | 7640.0  | 7661.5  | 7887.4  | 8758.9  | 8847.5  | 9606.7  | 8984.8 | 7634.3 | 8121.1 |
| 65°   | 8705.6  | 8588.7  | 8479.8  | 8636.4  | 9702.0  | 9789.4  | 10372.7 | 9301.4 | 7588.9 | 7874.9 |
| 67.5° | 9961.9  | 9846.1  | 9712.2  | 9859.8  | 11091.1 | 11160.3 | 11318.1 | 9479.6 | 7231.4 | 6926.1 |
| 70°   | 10998.0 | 10954.9 | 11114.9 | 11722.1 | 13309.8 | 13312.0 | 12530.1 | 9332.1 | 6252.0 | 4910.6 |
| 72.5° | 10860.7 | 10834.6 | 11677.8 | 13554.9 | 16106.1 | 16046.0 | 13677.5 | 8215.3 | 4211.5 | 2215.3 |
| 75°   | 8909.9  | 9079.0  | 10385.2 | 13522.0 | 17110.5 | 17102.5 | 12975.0 | 5222.7 | 1742.0 | 918.1  |
| 77.5° | 4777.8  | 5045.6  | 6742.3  | 9983.5  | 13357.4 | 13558.3 | 9122.1  | 1827.1 | 747.9  | 587.9  |
| 80°   | 1558.2  | 1792.0  | 2687.4  | 5083.1  | 8679.5  | 8642.0  | 3909.6  | 717.2  | 511.8  | 416.5  |
| 82.5° | 661.6   | 688.9   | 1200.7  | 2400.3  | 4454.4  | 4385.1  | 1245.0  | 412.0  | 359.8  | 284.9  |
| 85°   | 258.8   | 289.4   | 530.0   | 1109.9  | 1929.3  | 1887.3  | 449.4   | 204.3  | 230.4  | 186.1  |
| 87.5° | 85.1    | 103.3   | 189.5   | 380.2   | 600.3   | 578.8   | 110.1   | 70.4   | 99.9   | 85.1   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P940749

CATALOG NUMBER: GLAN-SB3D-950-U-T4FT

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2797.5 | 0°    | 2797.5 | 2797.5 | 2797.5 | 2797.5 | 2797.5 | 2797.5 | 2797.5 | 2797.5 | 2797.5 | 2797.5 |
| 2805.4 | 2.5°  | 2821.3 | 2839.4 | 2861.0 | 2892.8 | 2920.0 | 2942.7 | 2966.6 | 2981.3 | 2987.0 | 3004.0 |
| 2809.9 | 5°    | 2841.7 | 2881.4 | 2934.8 | 2987.0 | 3038.1 | 3068.7 | 3095.9 | 3109.5 | 3122.0 | 3131.1 |
| 2822.4 | 7.5°  | 2875.8 | 2926.8 | 3010.8 | 3078.9 | 3122.0 | 3147.0 | 3165.2 | 3160.6 | 3165.2 | 3167.4 |
| 2836.0 | 10°   | 2905.3 | 2976.8 | 3076.6 | 3141.3 | 3174.2 | 3175.4 | 3170.8 | 3154.9 | 3147.0 | 3148.1 |
| 2856.5 | 12.5° | 2940.5 | 3019.9 | 3127.7 | 3182.2 | 3191.3 | 3166.3 | 3147.0 | 3119.8 | 3109.5 | 3105.0 |
| 2887.1 | 15°   | 2988.1 | 3078.9 | 3183.3 | 3203.7 | 3181.0 | 3149.3 | 3116.4 | 3072.1 | 3049.4 | 3031.2 |
| 2939.3 | 17.5° | 3046.0 | 3145.9 | 3226.4 | 3211.7 | 3162.9 | 3110.7 | 3057.3 | 2990.4 | 2943.9 | 2924.6 |
| 3010.8 | 20°   | 3126.6 | 3216.2 | 3259.4 | 3194.7 | 3120.9 | 3041.5 | 2950.7 | 2869.0 | 2825.8 | 2806.5 |
| 3101.6 | 22.5° | 3224.2 | 3310.4 | 3291.1 | 3165.2 | 3060.7 | 2933.6 | 2820.2 | 2760.0 | 2738.4 | 2724.8 |
| 3218.5 | 25°   | 3341.1 | 3414.8 | 3313.8 | 3122.0 | 2962.0 | 2790.7 | 2703.3 | 2684.0 | 2673.8 | 2663.5 |
| 3361.5 | 27.5° | 3493.1 | 3532.9 | 3330.8 | 3058.5 | 2807.7 | 2638.6 | 2606.8 | 2610.2 | 2606.8 | 2589.8 |
| 3560.1 | 30°   | 3694.0 | 3686.1 | 3346.7 | 2955.2 | 2630.6 | 2501.3 | 2503.5 | 2518.3 | 2520.6 | 2509.2 |
| 3837.0 | 32.5° | 3958.4 | 3877.9 | 3354.7 | 2821.3 | 2461.5 | 2381.0 | 2383.2 | 2399.1 | 2410.5 | 2391.2 |
| 4199.0 | 35°   | 4278.5 | 4101.4 | 3342.2 | 2653.3 | 2331.0 | 2266.3 | 2249.3 | 2253.9 | 2257.3 | 2239.1 |
| 4638.2 | 37.5° | 4651.8 | 4352.2 | 3286.6 | 2467.2 | 2223.2 | 2154.0 | 2117.7 | 2087.0 | 2068.9 | 2051.8 |
| 5135.3 | 40°   | 5061.5 | 4625.7 | 3184.5 | 2285.6 | 2102.9 | 2034.8 | 1980.4 | 1922.5 | 1861.2 | 1838.5 |
| 5661.9 | 42.5° | 5490.5 | 4907.2 | 3060.7 | 2112.0 | 1964.5 | 1908.9 | 1851.0 | 1767.0 | 1675.1 | 1628.5 |
| 6208.9 | 45°   | 5935.4 | 5195.4 | 2939.3 | 1940.6 | 1822.6 | 1798.8 | 1731.8 | 1630.8 | 1530.9 | 1471.9 |
| 6757.0 | 47.5° | 6371.2 | 5467.8 | 2761.1 | 1768.1 | 1689.8 | 1715.9 | 1663.7 | 1570.7 | 1459.4 | 1366.4 |
| 7300.6 | 50°   | 6787.7 | 5723.2 | 2469.5 | 1593.4 | 1582.0 | 1691.0 | 1641.0 | 1507.1 | 1380.0 | 1260.8 |
| 7834.0 | 52.5° | 7200.8 | 5929.7 | 2096.1 | 1434.5 | 1524.1 | 1684.1 | 1611.5 | 1464.0 | 1308.5 | 1183.7 |
| 8335.6 | 55°   | 7551.4 | 6036.4 | 1736.4 | 1298.3 | 1440.2 | 1626.3 | 1576.3 | 1412.9 | 1207.5 | 1074.7 |
| 8679.5 | 57.5° | 7751.2 | 5950.1 | 1436.7 | 1164.4 | 1324.4 | 1530.9 | 1516.2 | 1304.0 | 1087.2 | 985.1  |
| 8746.5 | 60°   | 7664.9 | 5600.6 | 1191.6 | 1047.5 | 1214.3 | 1427.7 | 1411.8 | 1196.2 | 995.3  | 898.8  |
| 8387.8 | 62.5° | 7189.4 | 4934.4 | 997.6  | 945.3  | 1114.4 | 1322.1 | 1307.4 | 1113.3 | 924.9  | 831.9  |
| 7435.7 | 65°   | 6231.6 | 4014.0 | 846.6  | 860.2  | 1013.4 | 1195.0 | 1216.6 | 1044.1 | 869.3  | 778.5  |
| 5752.7 | 67.5° | 4752.8 | 2907.5 | 728.6  | 786.5  | 914.7  | 1070.2 | 1132.6 | 994.1  | 822.8  | 736.5  |
| 3328.6 | 70°   | 2708.9 | 1651.2 | 628.7  | 715.0  | 827.3  | 954.4  | 1067.9 | 954.4  | 772.8  | 701.4  |
| 1247.2 | 72.5° | 1027.1 | 758.1  | 543.6  | 643.5  | 743.3  | 856.8  | 996.4  | 892.0  | 715.0  | 661.6  |
| 644.6  | 75°   | 548.1  | 461.9  | 457.4  | 559.5  | 646.9  | 761.5  | 906.8  | 830.7  | 671.8  | 699.1  |
| 446.0  | 77.5° | 373.4  | 326.8  | 382.5  | 478.9  | 541.3  | 656.0  | 811.4  | 737.7  | 582.2  | 579.9  |
| 308.7  | 80°   | 258.8  | 231.5  | 311.0  | 385.9  | 418.8  | 551.5  | 708.2  | 633.3  | 474.4  | 442.6  |
| 190.7  | 82.5° | 155.5  | 150.9  | 232.6  | 288.3  | 296.2  | 425.6  | 586.7  | 531.1  | 388.1  | 338.2  |
| 113.5  | 85°   | 85.1   | 89.7   | 148.7  | 169.1  | 172.5  | 297.3  | 459.6  | 410.8  | 298.5  | 250.8  |
| 40.9   | 87.5° | 23.8   | 30.6   | 54.5   | 67.0   | 82.8   | 154.3  | 273.5  | 244.0  | 149.8  | 104.4  |
| 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°   |
|--------|
| 2797.5 |
| 3002.9 |
| 3133.4 |
| 3170.8 |
| 3150.4 |
| 3102.7 |
| 3036.9 |
| 2925.7 |
| 2804.3 |
| 2727.1 |
| 2663.5 |
| 2593.2 |
| 2514.9 |
| 2400.3 |
| 2251.6 |
| 2063.2 |
| 1848.7 |
| 1634.2 |
| 1467.4 |
| 1356.2 |
| 1250.6 |
| 1170.1 |
| 1063.4 |
| 971.5  |
| 885.2  |
| 817.1  |
| 763.8  |
| 722.9  |
| 692.3  |
| 652.6  |
| 721.8  |
| 534.5  |
| 423.3  |
| 340.5  |
| 253.1  |
| 104.4  |
| 0.0    |