

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: P955302

Luminaire Tested: **GLAN-SB8B-750-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955302  
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-750-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49067 lumens  
Efficiency: N/A  
Efficacy: 167.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

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

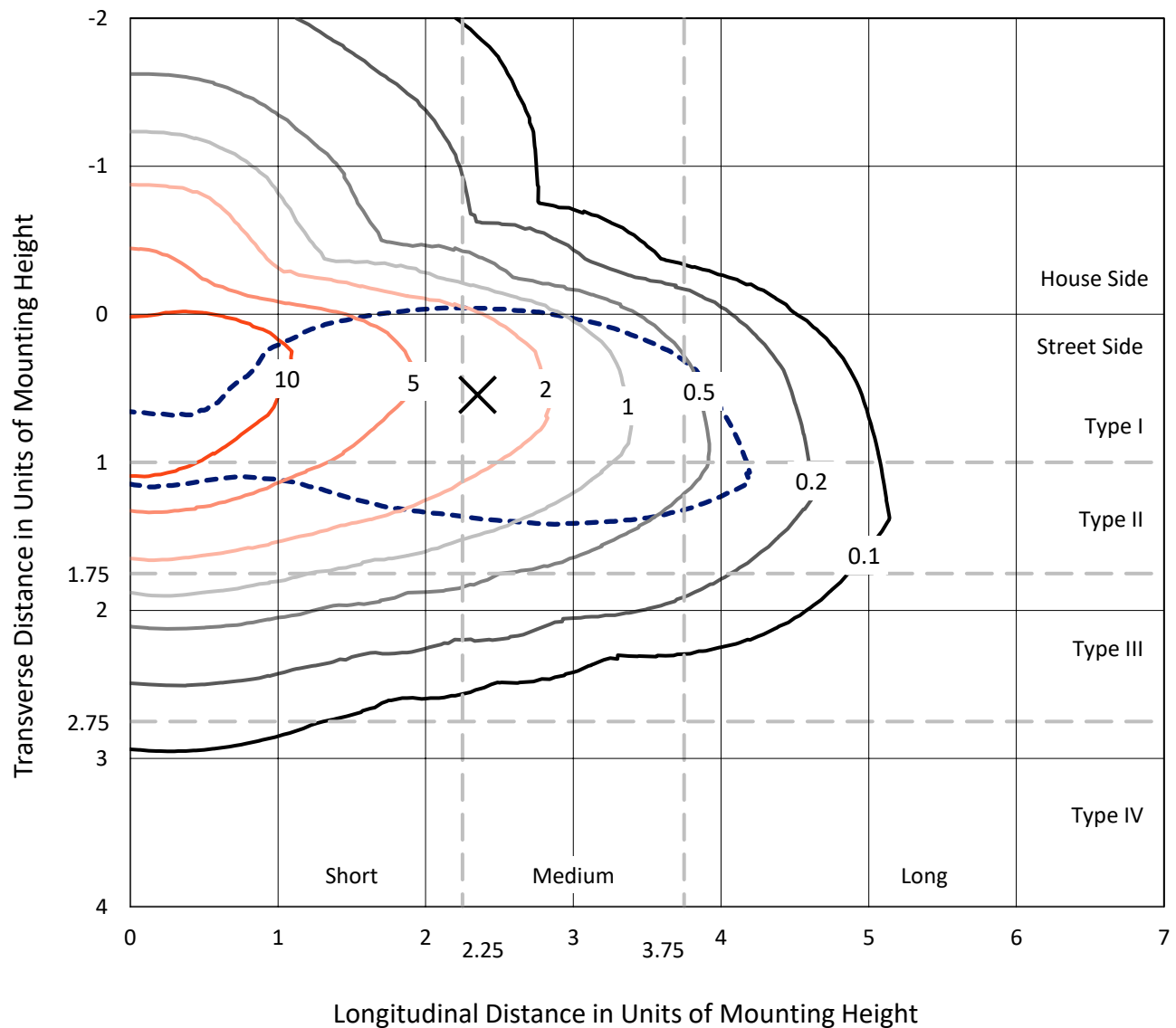


REPORT NUMBER: P955302

CATALOG NUMBER: GLAN-SB8B-750-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

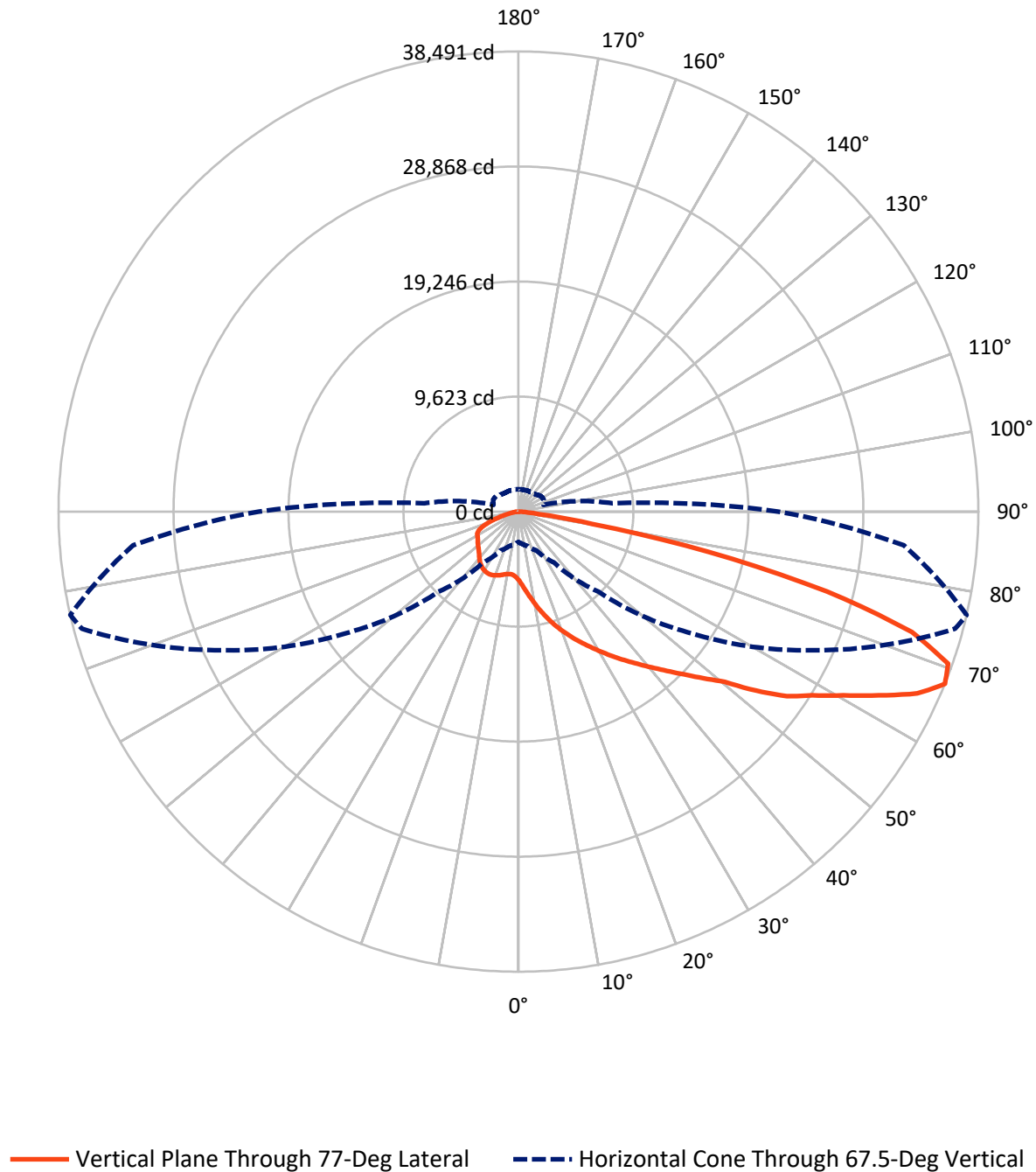
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18 fc  
Type II - Medium - N/A

REPORT NUMBER: P955302  
CATALOG NUMBER: GLAN-SB8B-750-U-T2R

## Luminous Intensity Polar Plot



REPORT NUMBER: P955302

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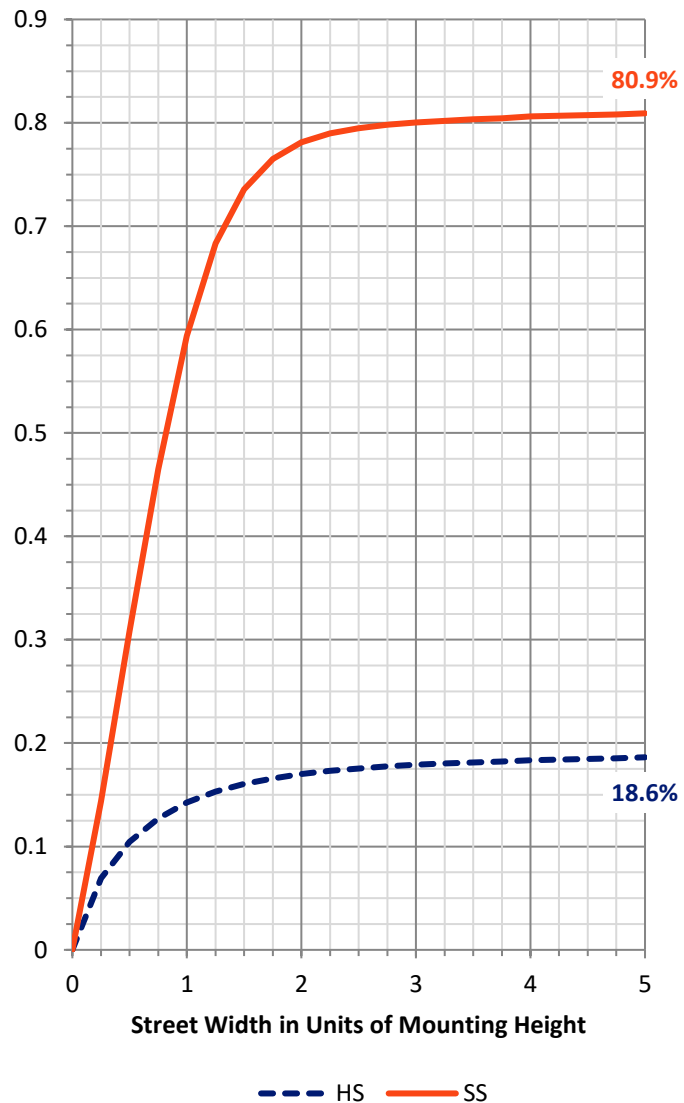
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9281.5   | 0.0    | 9281.5  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 39785.5  | 0.0    | 39785.5 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 49067.0  | 0.0    | 49067.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 617.1   | 1.3       |
| 10°-20°   | 2216.9  | 4.5       |
| 20°-30°   | 4185.8  | 8.5       |
| 30°-40°   | 6743.2  | 13.7      |
| 40°-50°   | 9223.5  | 18.8      |
| 50°-60°   | 10404.2 | 21.2      |
| 60°-70°   | 9711.0  | 19.8      |
| 70°-80°   | 5323.3  | 10.8      |
| 80°-90°   | 642.1   | 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°    | 49067.0 | 100.0     |
| 0°-180°   | 49067.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955302

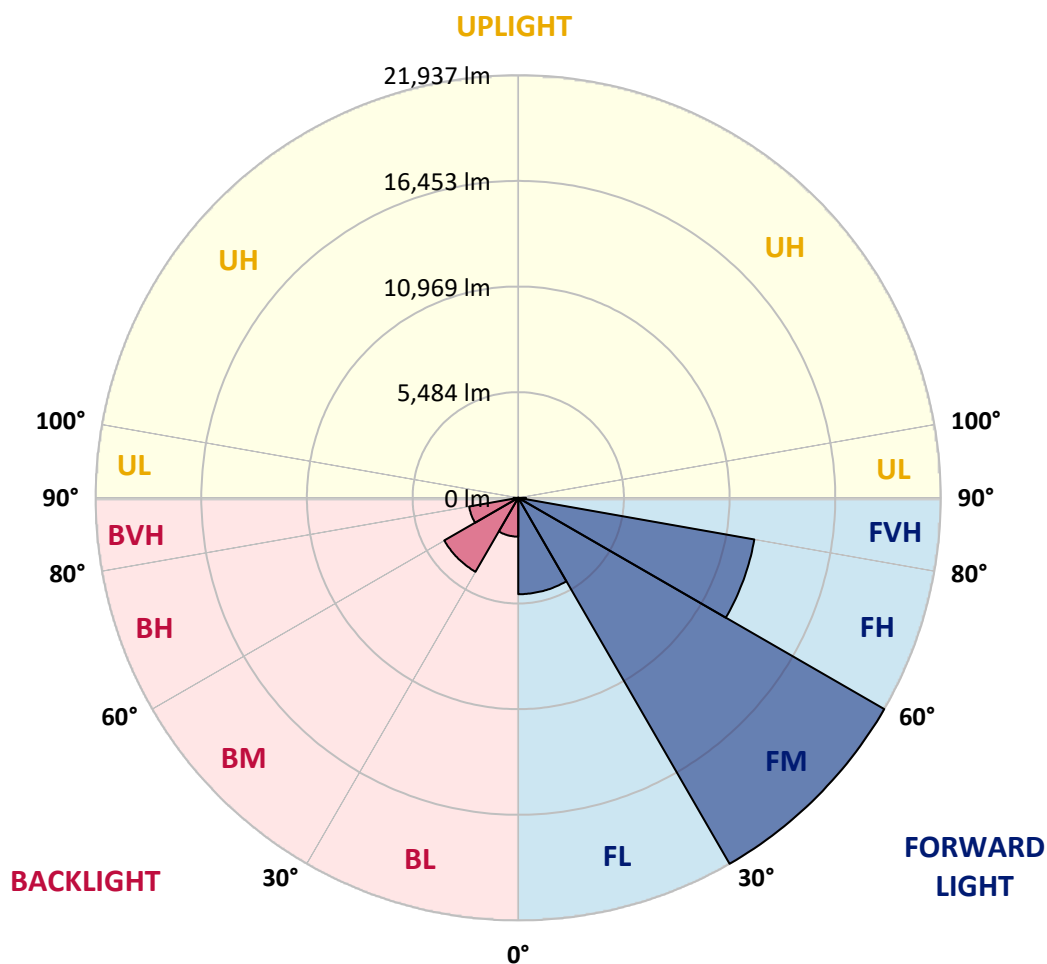
CATALOG NUMBER: GLAN-SB8B-750-U-T2R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5001.8  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 21937.3 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 12444.8 | 25.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 401.6   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 2018.0  | 4.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4433.5  | 9.0       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2589.4  | 5.3       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 240.6   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type II Medium



REPORT NUMBER: P955302

CATALOG NUMBER: GLAN-SB8B-750-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5757.1  | 5757.1  | 5757.1  | 5757.1  | 5757.1  | 5757.1  | 5757.1  | 5757.1  | 5757.1  | 5757.1  |
| 2.5°  | 7208.4  | 7259.0  | 7195.7  | 7195.7  | 6983.0  | 6871.5  | 6658.8  | 6496.7  | 6205.4  | 6154.7  |
| 5°    | 8520.4  | 8583.7  | 8495.1  | 8457.1  | 8206.3  | 7975.8  | 7618.7  | 7266.6  | 6747.4  | 6694.2  |
| 7.5°  | 9536.0  | 9617.1  | 9538.6  | 9498.0  | 9275.2  | 9016.8  | 8598.9  | 8107.5  | 7375.6  | 7271.7  |
| 10°   | 10364.3 | 10376.9 | 10351.6 | 10366.8 | 10192.0 | 9979.3  | 9551.2  | 8978.8  | 8064.5  | 7922.6  |
| 12.5° | 10832.8 | 10891.1 | 10941.8 | 11032.9 | 11002.5 | 10870.8 | 10485.8 | 9802.0  | 8793.9  | 8611.6  |
| 15°   | 11053.2 | 11154.5 | 11268.5 | 11478.7 | 11648.4 | 11681.3 | 11387.5 | 10685.9 | 9536.0  | 9315.7  |
| 17.5° | 11131.7 | 11228.0 | 11407.8 | 11711.7 | 12076.5 | 12322.1 | 12190.4 | 11544.6 | 10270.6 | 10017.3 |
| 20°   | 11529.4 | 11557.2 | 11666.1 | 11954.9 | 12350.0 | 12757.8 | 12856.6 | 12370.3 | 10997.5 | 10711.3 |
| 22.5° | 12380.4 | 12324.7 | 12355.1 | 12486.8 | 12770.4 | 13165.6 | 13391.0 | 13099.7 | 11744.7 | 11415.4 |
| 25°   | 13786.1 | 13624.0 | 13461.9 | 13309.9 | 13454.3 | 13677.2 | 13933.0 | 13829.2 | 12527.3 | 12109.4 |
| 27.5° | 15561.6 | 15364.0 | 15006.9 | 14508.0 | 14333.2 | 14411.7 | 14525.7 | 14505.4 | 13251.7 | 12828.7 |
| 30°   | 17309.2 | 17078.8 | 16653.2 | 15931.4 | 15470.4 | 15262.7 | 15176.6 | 15118.4 | 14039.4 | 13588.5 |
| 32.5° | 18704.8 | 18522.5 | 18104.5 | 17296.6 | 16627.9 | 16273.3 | 15987.1 | 15779.4 | 14862.5 | 14411.7 |
| 35°   | 19925.6 | 19755.9 | 19277.2 | 18395.8 | 17668.9 | 17291.5 | 16916.7 | 16473.4 | 15718.6 | 15262.7 |
| 37.5° | 21040.1 | 20870.4 | 20214.4 | 19297.5 | 18565.5 | 18304.6 | 17970.3 | 17218.1 | 16577.3 | 16146.7 |
| 40°   | 21744.2 | 21706.2 | 21093.3 | 20054.8 | 19295.0 | 19165.8 | 19054.4 | 18081.8 | 17529.6 | 17129.4 |
| 42.5° | 21924.0 | 22007.6 | 21521.3 | 20667.8 | 19943.4 | 19839.5 | 20100.4 | 19059.4 | 18598.4 | 18216.0 |
| 45°   | 21490.9 | 21731.5 | 21412.4 | 20832.4 | 20404.3 | 20348.6 | 21027.4 | 20128.3 | 19781.3 | 19431.7 |
| 47.5° | 20394.2 | 20802.0 | 20670.3 | 20589.2 | 20528.4 | 20769.1 | 21843.0 | 21263.0 | 21121.1 | 20817.2 |
| 50°   | 18180.5 | 18953.0 | 19183.5 | 19695.2 | 20282.8 | 21095.8 | 22585.1 | 22501.5 | 22686.4 | 22379.9 |
| 52.5° | 14353.5 | 15417.2 | 16754.6 | 18036.2 | 19528.0 | 20986.9 | 23400.7 | 24279.5 | 25059.6 | 24892.5 |
| 55°   | 11848.5 | 12327.2 | 13355.5 | 15706.0 | 18064.0 | 20528.4 | 23767.9 | 25715.6 | 27415.2 | 27265.7 |
| 57.5° | 9923.6  | 10351.6 | 10984.8 | 12947.7 | 15850.3 | 19487.5 | 23995.9 | 26592.0 | 29028.6 | 29013.4 |
| 60°   | 7859.3  | 8312.7  | 8961.1  | 10351.6 | 13264.3 | 17689.2 | 23945.2 | 27589.9 | 31087.7 | 31214.4 |
| 62.5° | 5529.1  | 6028.1  | 6747.4  | 8044.2  | 10622.6 | 15359.0 | 22911.8 | 28311.8 | 33511.6 | 33856.1 |
| 65°   | 3634.6  | 3963.9  | 4505.9  | 5625.4  | 7915.0  | 12362.7 | 20938.8 | 28405.5 | 36105.2 | 36687.8 |
| 67.5° | 2548.0  | 2674.7  | 2993.8  | 3601.7  | 5217.6  | 9480.3  | 17795.5 | 27435.4 | 37835.2 | 38491.2 |
| 70°   | 1988.3  | 2051.6  | 2213.7  | 2456.8  | 3277.5  | 6375.1  | 13636.7 | 24912.7 | 37465.4 | 38149.2 |
| 72.5° | 1717.2  | 1778.0  | 1838.8  | 1869.2  | 2198.5  | 3936.0  | 9237.2  | 20829.9 | 33982.7 | 34446.3 |
| 75°   | 1557.7  | 1572.9  | 1623.5  | 1613.4  | 1676.7  | 2553.1  | 5331.6  | 15176.6 | 26812.4 | 26652.8 |
| 77.5° | 1309.5  | 1329.7  | 1413.3  | 1400.6  | 1489.3  | 1745.1  | 2768.4  | 9794.4  | 17382.7 | 16298.7 |
| 80°   | 1109.4  | 1119.5  | 1210.7  | 1195.5  | 1294.3  | 1263.9  | 1413.3  | 4992.2  | 7373.0  | 6245.9  |
| 82.5° | 385.0   | 476.2   | 924.5   | 952.3   | 987.8   | 764.9   | 815.6   | 2036.4  | 2251.7  | 1724.8  |
| 85°   | 187.4   | 200.1   | 471.1   | 668.7   | 666.1   | 385.0   | 397.7   | 726.9   | 709.2   | 557.2   |
| 87.5° | 30.4    | 38.0    | 55.7    | 260.9   | 207.7   | 101.3   | 136.8   | 141.8   | 146.9   | 126.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955302

CATALOG NUMBER: GLAN-SB8B-750-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5757.1  | 0°    | 5757.1  | 5757.1 | 5757.1 | 5757.1 | 5757.1 | 5757.1 | 5757.1 | 5757.1 | 5757.1 | 5757.1 |
| 5962.2  | 2.5°  | 5820.4  | 5693.8 | 5427.8 | 5182.1 | 4989.6 | 4804.7 | 4700.9 | 4612.3 | 4561.6 | 4551.5 |
| 6240.9  | 5°    | 5977.4  | 5716.6 | 5232.8 | 4825.0 | 4559.1 | 4361.5 | 4257.7 | 4191.8 | 4158.9 | 4138.6 |
| 6615.7  | 7.5°  | 6202.9  | 5820.4 | 5131.5 | 4668.0 | 4389.4 | 4247.5 | 4194.3 | 4184.2 | 4181.7 | 4184.2 |
| 7069.1  | 10°   | 6514.4  | 5990.1 | 5121.3 | 4630.0 | 4397.0 | 4318.4 | 4315.9 | 4318.4 | 4328.6 | 4331.1 |
| 7563.0  | 12.5° | 6851.3  | 6164.9 | 5161.9 | 4662.9 | 4493.2 | 4450.2 | 4442.6 | 4440.0 | 4447.6 | 4452.7 |
| 8061.9  | 15°   | 7218.5  | 6395.4 | 5230.3 | 4733.8 | 4599.6 | 4554.0 | 4546.4 | 4531.2 | 4528.7 | 4526.1 |
| 8586.2  | 17.5° | 7595.9  | 6623.3 | 5306.2 | 4809.8 | 4668.0 | 4604.7 | 4576.8 | 4541.3 | 4513.5 | 4505.9 |
| 9128.3  | 20°   | 7978.4  | 6848.7 | 5359.4 | 4847.8 | 4673.0 | 4584.4 | 4528.7 | 4467.9 | 4419.8 | 4391.9 |
| 9675.3  | 22.5° | 8386.1  | 7084.3 | 5392.4 | 4837.7 | 4627.4 | 4505.9 | 4404.6 | 4333.6 | 4260.2 | 4212.1 |
| 10227.5 | 25°   | 8783.8  | 7289.4 | 5389.8 | 4784.5 | 4538.8 | 4384.3 | 4255.1 | 4163.9 | 4062.6 | 4012.0 |
| 10797.4 | 27.5° | 9166.2  | 7474.3 | 5326.5 | 4690.8 | 4412.2 | 4239.9 | 4085.4 | 3976.5 | 3877.7 | 3829.6 |
| 11372.3 | 30°   | 9561.4  | 7628.8 | 5227.7 | 4554.0 | 4262.7 | 4072.8 | 3903.1 | 3809.4 | 3720.7 | 3675.1 |
| 11980.2 | 32.5° | 9954.0  | 7770.7 | 5088.4 | 4384.3 | 4090.5 | 3908.1 | 3741.0 | 3654.8 | 3601.7 | 3601.7 |
| 12633.7 | 35°   | 10369.3 | 7869.4 | 4903.5 | 4186.7 | 3908.1 | 3733.4 | 3601.7 | 3551.0 | 3545.9 | 3515.5 |
| 13325.1 | 37.5° | 10807.5 | 7932.8 | 4678.1 | 3984.1 | 3728.3 | 3563.7 | 3523.1 | 3462.4 | 3411.7 | 3345.8 |
| 14085.0 | 40°   | 11268.5 | 7996.1 | 4407.1 | 3773.9 | 3538.3 | 3447.2 | 3429.4 | 3348.4 | 3204.0 | 3041.9 |
| 14946.1 | 42.5° | 11828.2 | 8039.1 | 4126.0 | 3563.7 | 3338.2 | 3307.9 | 3333.2 | 3193.9 | 2963.4 | 2841.8 |
| 15984.6 | 45°   | 12476.6 | 8110.1 | 3867.6 | 3356.0 | 3133.1 | 3133.1 | 3239.5 | 3057.1 | 2867.1 | 2791.2 |
| 17169.9 | 47.5° | 13317.5 | 8274.7 | 3627.0 | 3128.0 | 2943.1 | 2993.8 | 3031.8 | 2892.5 | 2786.1 | 2692.4 |
| 18613.6 | 50°   | 14533.3 | 8669.8 | 3378.8 | 2897.5 | 2798.8 | 2900.1 | 2846.9 | 2765.8 | 2641.7 | 2565.7 |
| 20908.4 | 52.5° | 16042.8 | 8902.8 | 3158.4 | 2689.8 | 2674.7 | 2776.0 | 2700.0 | 2624.0 | 2530.3 | 2429.0 |
| 22648.4 | 55°   | 17071.2 | 8945.9 | 2973.5 | 2537.9 | 2591.1 | 2580.9 | 2553.1 | 2484.7 | 2434.0 | 2299.8 |
| 24365.7 | 57.5° | 18221.1 | 9032.0 | 2821.6 | 2446.7 | 2537.9 | 2426.4 | 2416.3 | 2358.0 | 2292.2 | 2201.0 |
| 26460.3 | 60°   | 19596.4 | 9166.2 | 2689.8 | 2411.2 | 2492.3 | 2325.1 | 2274.5 | 2251.7 | 2185.8 | 2140.2 |
| 28980.4 | 62.5° | 21095.8 | 9287.8 | 2555.6 | 2416.3 | 2439.1 | 2226.3 | 2150.4 | 2142.8 | 2102.2 | 2087.0 |
| 31346.1 | 65°   | 22119.1 | 8956.0 | 2388.4 | 2411.2 | 2355.5 | 2125.0 | 2028.8 | 2026.3 | 1993.3 | 1988.3 |
| 32371.9 | 67.5° | 21761.9 | 7904.9 | 2163.0 | 2340.3 | 2269.4 | 2023.7 | 1917.3 | 1907.2 | 1864.2 | 1866.7 |
| 31300.5 | 70°   | 19973.8 | 6405.5 | 1851.5 | 2165.6 | 2163.0 | 1932.5 | 1800.8 | 1767.9 | 1709.6 | 1719.8 |
| 27215.1 | 72.5° | 16620.3 | 4746.5 | 1433.6 | 1874.3 | 1993.3 | 1849.0 | 1666.6 | 1613.4 | 1540.0 | 1550.1 |
| 20090.3 | 75°   | 12003.0 | 3226.8 | 1043.5 | 1426.0 | 1735.0 | 1750.2 | 1534.9 | 1443.7 | 1355.1 | 1370.3 |
| 11182.4 | 77.5° | 6142.1  | 1828.7 | 767.4  | 982.7  | 1362.7 | 1590.6 | 1415.8 | 1294.3 | 1274.0 | 1415.8 |
| 3224.3  | 80°   | 2003.5  | 916.9  | 531.9  | 688.9  | 894.1  | 1301.9 | 1241.1 | 1101.8 | 1096.7 | 1129.6 |
| 676.3   | 82.5° | 597.7   | 387.5  | 341.9  | 453.4  | 493.9  | 997.9  | 1071.4 | 833.3  | 716.8  | 754.8  |
| 225.4   | 85°   | 205.2   | 187.4  | 195.0  | 225.4  | 235.6  | 585.1  | 749.7  | 552.2  | 521.8  | 574.9  |
| 50.7    | 87.5° | 48.1    | 65.9   | 55.7   | 50.7   | 50.7   | 141.8  | 291.3  | 230.5  | 319.1  | 212.8  |
| 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°   |
|--------|
| 5757.1 |
| 4551.5 |
| 4136.1 |
| 4191.8 |
| 4333.6 |
| 4455.2 |
| 4523.6 |
| 4513.5 |
| 4402.0 |
| 4214.6 |
| 4012.0 |
| 3827.1 |
| 3672.6 |
| 3604.2 |
| 3507.9 |
| 3335.7 |
| 3019.1 |
| 2844.3 |
| 2803.8 |
| 2689.8 |
| 2558.1 |
| 2408.7 |
| 2302.3 |
| 2170.6 |
| 2152.9 |
| 2087.0 |
| 1985.7 |
| 1866.7 |
| 1729.9 |
| 1547.5 |
| 1375.3 |
| 1395.6 |
| 970.1  |
| 780.1  |
| 567.4  |
| 205.2  |
| 0.0    |