

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: P955197

Luminaire Tested: **GLAN-SB8B-722-U-T2R**

Issue Date: 1/21/2025

#### Test Information

Test Method: LM-79-08  
Report Number: P955197  
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-722-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 38313 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
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

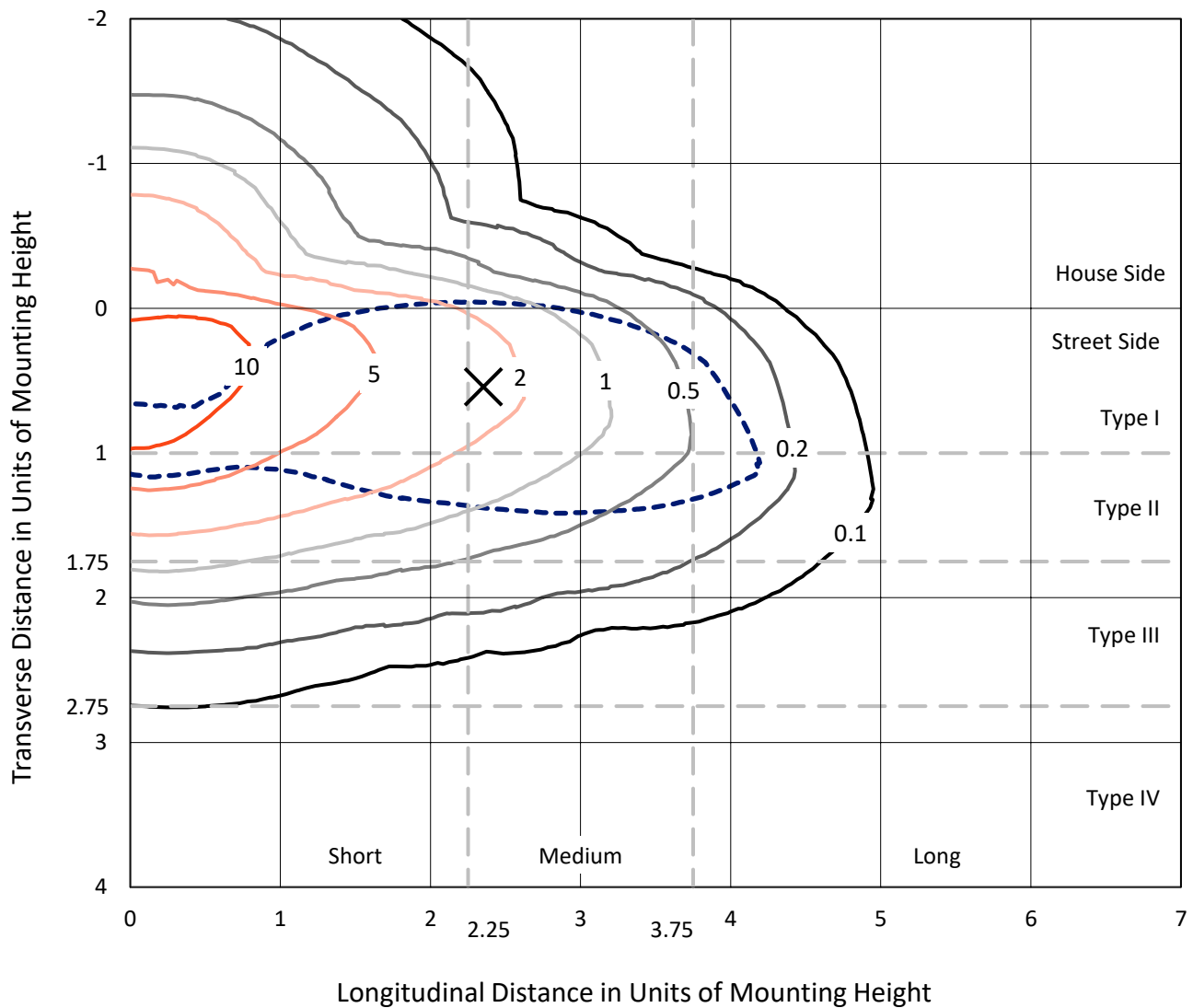


REPORT NUMBER: P955197

CATALOG NUMBER: GLAN-SB8B-722-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

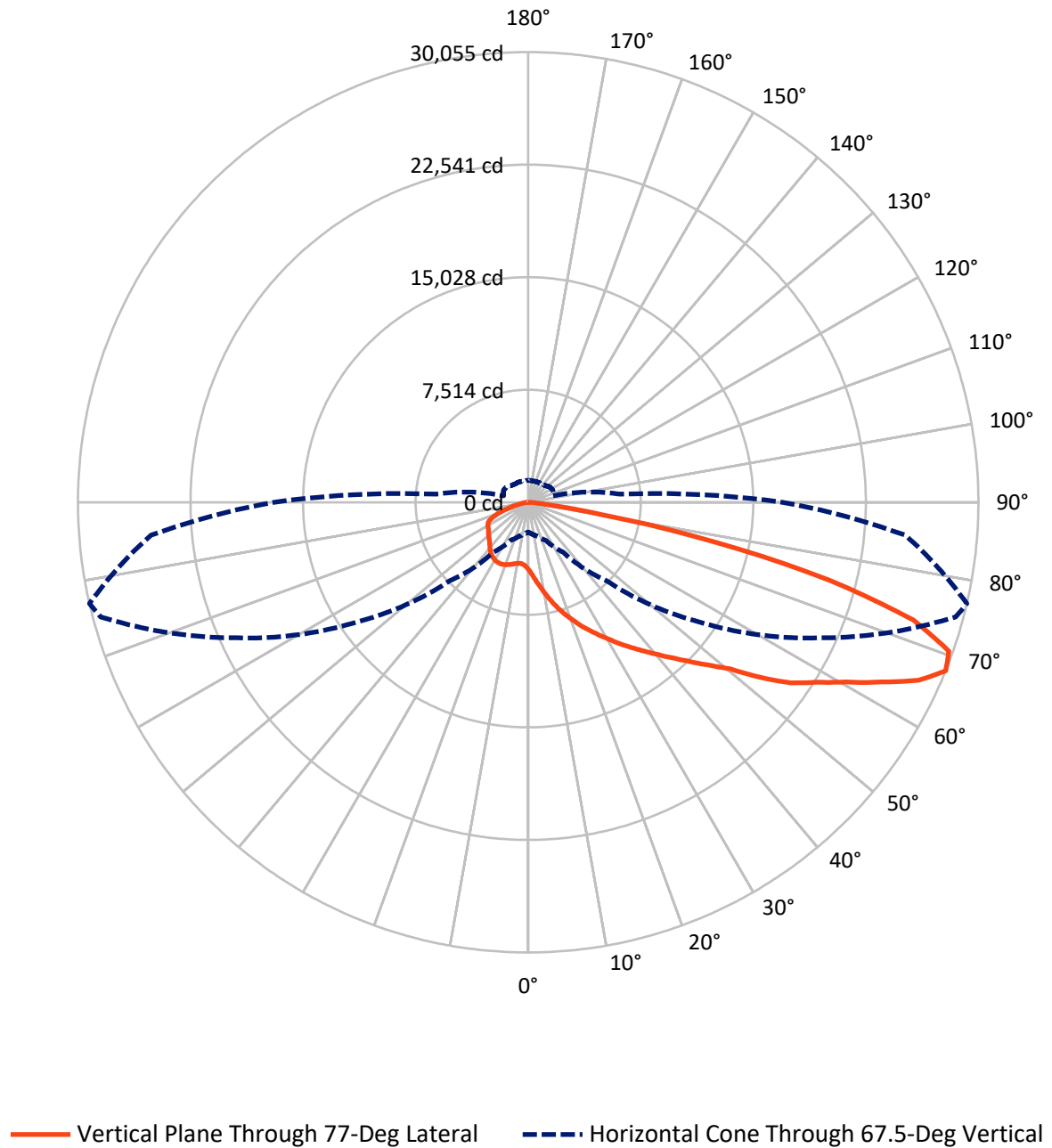
× Max cd  
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc  
Type II - Medium - N/A

REPORT NUMBER: P955197  
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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7247.3   | 0.0    | 7247.3  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 31065.7  | 0.0    | 31065.7 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 38313.0  | 0.0    | 38313.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 481.8   | 1.3       |
| 10°-20°   | 1731.0  | 4.5       |
| 20°-30°   | 3268.4  | 8.5       |
| 30°-40°   | 5265.3  | 13.7      |
| 40°-50°   | 7202.0  | 18.8      |
| 50°-60°   | 8123.9  | 21.2      |
| 60°-70°   | 7582.6  | 19.8      |
| 70°-80°   | 4156.6  | 10.8      |
| 80°-90°   | 501.4   | 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°    | 38313.0 | 100.0     |
| 0°-180°   | 38313.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955197

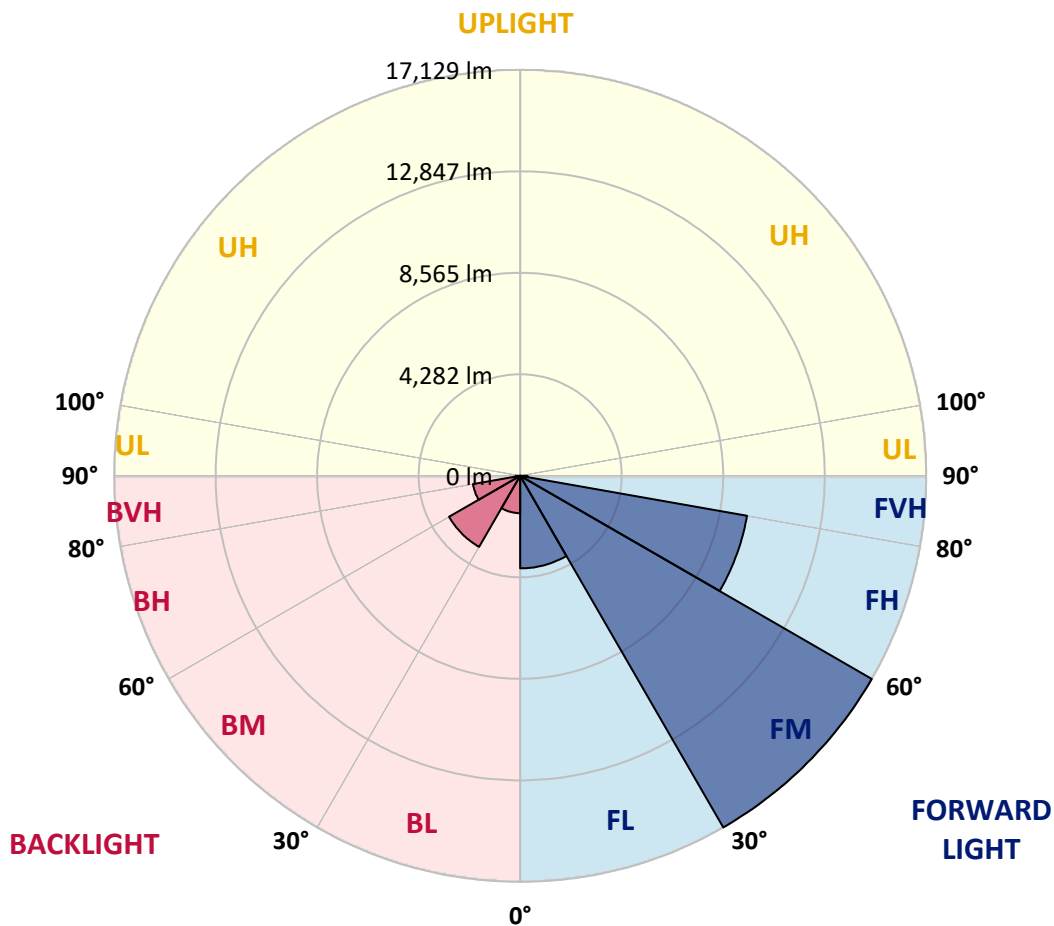
CATALOG NUMBER: GLAN-SB8B-722-U-T2R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3905.5  | 10.2      |                         |      |          |
| FM   | (30°-60°)   | 17129.3 | 44.7      |                         |      |          |
| FH   | (60°-80°)   | 9717.3  | 25.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 313.6   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1575.7  | 4.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3461.8  | 9.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2021.9  | 5.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 187.8   | 0.5       |                         |      | 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 II Medium



REPORT NUMBER: P955197

CATALOG NUMBER: GLAN-SB8B-722-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4495.3  | 4495.3  | 4495.3  | 4495.3  | 4495.3  | 4495.3  | 4495.3  | 4495.3  | 4495.3  | 4495.3  |
| 2.5°  | 5628.5  | 5668.1  | 5618.6  | 5618.6  | 5452.5  | 5365.5  | 5199.4  | 5072.8  | 4845.4  | 4805.8  |
| 5°    | 6653.0  | 6702.4  | 6633.2  | 6603.5  | 6407.7  | 6227.8  | 5948.9  | 5674.0  | 5268.6  | 5227.1  |
| 7.5°  | 7446.0  | 7509.3  | 7448.0  | 7416.4  | 7242.3  | 7040.6  | 6714.3  | 6330.6  | 5759.1  | 5678.0  |
| 10°   | 8092.7  | 8102.6  | 8082.8  | 8094.7  | 7958.3  | 7792.1  | 7457.9  | 7010.9  | 6297.0  | 6186.2  |
| 12.5° | 8458.6  | 8504.1  | 8543.7  | 8614.8  | 8591.1  | 8488.3  | 8187.7  | 7653.7  | 6866.6  | 6724.2  |
| 15°   | 8630.7  | 8709.8  | 8798.8  | 8962.9  | 9095.4  | 9121.1  | 8891.7  | 8343.9  | 7446.0  | 7274.0  |
| 17.5° | 8692.0  | 8767.1  | 8907.5  | 9144.9  | 9429.7  | 9621.5  | 9518.7  | 9014.3  | 8019.6  | 7821.8  |
| 20°   | 9002.5  | 9024.2  | 9109.3  | 9334.7  | 9643.3  | 9961.7  | 10038.8 | 9659.1  | 8587.2  | 8363.7  |
| 22.5° | 9667.0  | 9623.5  | 9647.2  | 9750.0  | 9971.5  | 10280.1 | 10456.1 | 10228.6 | 9170.6  | 8913.5  |
| 25°   | 10764.6 | 10638.0 | 10511.5 | 10392.8 | 10505.5 | 10679.6 | 10879.3 | 10798.2 | 9781.7  | 9455.4  |
| 27.5° | 12151.0 | 11996.7 | 11717.9 | 11328.2 | 11191.8 | 11253.1 | 11342.1 | 11326.3 | 10347.3 | 10017.0 |
| 30°   | 13515.6 | 13335.6 | 13003.4 | 12439.7 | 12079.8 | 11917.6 | 11850.4 | 11804.9 | 10962.4 | 10610.3 |
| 32.5° | 14605.3 | 14462.9 | 14136.6 | 13505.7 | 12983.6 | 12706.7 | 12483.2 | 12321.1 | 11605.1 | 11253.1 |
| 35°   | 15558.5 | 15426.0 | 15052.3 | 14364.0 | 13796.4 | 13501.7 | 13209.0 | 12862.9 | 12273.6 | 11917.6 |
| 37.5° | 16428.7 | 16296.2 | 15784.0 | 15068.1 | 14496.5 | 14292.8 | 14031.8 | 13444.4 | 12944.0 | 12607.8 |
| 40°   | 16978.5 | 16948.9 | 16470.3 | 15659.4 | 15066.1 | 14965.2 | 14878.2 | 14118.8 | 13687.6 | 13375.2 |
| 42.5° | 17118.9 | 17184.2 | 16804.5 | 16138.0 | 15572.4 | 15491.3 | 15695.0 | 14882.2 | 14522.2 | 14223.6 |
| 45°   | 16780.8 | 16968.6 | 16719.5 | 16266.6 | 15932.3 | 15888.8 | 16418.8 | 15716.8 | 15445.8 | 15172.9 |
| 47.5° | 15924.4 | 16242.8 | 16140.0 | 16076.7 | 16029.2 | 16217.1 | 17055.7 | 16602.8 | 16492.0 | 16254.7 |
| 50°   | 14195.9 | 14799.1 | 14979.1 | 15378.6 | 15837.4 | 16472.2 | 17635.1 | 17569.9 | 17714.2 | 17474.9 |
| 52.5° | 11207.6 | 12038.2 | 13082.5 | 14083.2 | 15248.0 | 16387.2 | 18271.9 | 18958.2 | 19567.3 | 19436.8 |
| 55°   | 9251.7  | 9625.5  | 10428.4 | 12263.7 | 14104.9 | 16029.2 | 18558.7 | 20079.6 | 21406.6 | 21289.9 |
| 57.5° | 7748.6  | 8082.8  | 8577.3  | 10110.0 | 12376.4 | 15216.4 | 18736.7 | 20763.8 | 22666.4 | 22654.5 |
| 60°   | 6136.8  | 6490.8  | 6997.1  | 8082.8  | 10357.2 | 13812.2 | 18697.1 | 21543.1 | 24274.3 | 24373.1 |
| 62.5° | 4317.3  | 4706.9  | 5268.6  | 6281.2  | 8294.5  | 11992.8 | 17890.2 | 22106.7 | 26166.9 | 26435.9 |
| 65°   | 2838.0  | 3095.1  | 3518.3  | 4392.5  | 6180.3  | 9653.1  | 16349.6 | 22179.9 | 28192.1 | 28646.9 |
| 67.5° | 1989.6  | 2088.4  | 2337.6  | 2812.3  | 4074.1  | 7402.5  | 13895.3 | 21422.4 | 29542.8 | 30055.1 |
| 70°   | 1552.5  | 1601.9  | 1728.5  | 1918.4  | 2559.1  | 4977.9  | 10647.9 | 19452.6 | 29254.1 | 29788.1 |
| 72.5° | 1340.9  | 1388.3  | 1435.8  | 1459.5  | 1716.6  | 3073.3  | 7212.7  | 16264.6 | 26534.8 | 26896.7 |
| 75°   | 1216.3  | 1228.1  | 1267.7  | 1259.8  | 1309.2  | 1993.5  | 4163.1  | 11850.4 | 20935.9 | 20811.3 |
| 77.5° | 1022.5  | 1038.3  | 1103.6  | 1093.7  | 1162.9  | 1362.6  | 2161.6  | 7647.8  | 13572.9 | 12726.5 |
| 80°   | 866.2   | 874.1   | 945.3   | 933.5   | 1010.6  | 986.9   | 1103.6  | 3898.0  | 5757.1  | 4877.0  |
| 82.5° | 300.6   | 371.8   | 721.9   | 743.6   | 771.3   | 597.3   | 636.8   | 1590.1  | 1758.2  | 1346.8  |
| 85°   | 146.3   | 156.2   | 367.9   | 522.1   | 520.1   | 300.6   | 310.5   | 567.6   | 553.8   | 435.1   |
| 87.5° | 23.7    | 29.7    | 43.5    | 203.7   | 162.2   | 79.1    | 106.8   | 110.8   | 114.7   | 98.9    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955197

CATALOG NUMBER: GLAN-SB8B-722-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4495.3  | 0°    | 4495.3  | 4495.3 | 4495.3 | 4495.3 | 4495.3 | 4495.3 | 4495.3 | 4495.3 | 4495.3 | 4495.3 |
| 4655.5  | 2.5°  | 4544.7  | 4445.9 | 4238.2 | 4046.4 | 3896.1 | 3751.7 | 3670.6 | 3601.4 | 3561.8 | 3553.9 |
| 4873.0  | 5°    | 4667.4  | 4463.7 | 4085.9 | 3767.5 | 3559.9 | 3405.6 | 3324.5 | 3273.1 | 3247.4 | 3231.6 |
| 5165.7  | 7.5°  | 4843.4  | 4544.7 | 4006.8 | 3644.9 | 3427.3 | 3316.6 | 3275.1 | 3267.2 | 3265.2 | 3267.2 |
| 5519.8  | 10°   | 5086.6  | 4677.3 | 3998.9 | 3615.2 | 3433.3 | 3372.0 | 3370.0 | 3372.0 | 3379.9 | 3381.9 |
| 5905.4  | 12.5° | 5349.7  | 4813.7 | 4030.5 | 3640.9 | 3508.4 | 3474.8 | 3468.9 | 3466.9 | 3472.8 | 3476.8 |
| 6295.0  | 15°   | 5636.4  | 4993.7 | 4083.9 | 3696.3 | 3591.5 | 3555.9 | 3550.0 | 3538.1 | 3536.1 | 3534.1 |
| 6704.4  | 17.5° | 5931.1  | 5171.7 | 4143.3 | 3755.6 | 3644.9 | 3595.5 | 3573.7 | 3546.0 | 3524.3 | 3518.3 |
| 7127.6  | 20°   | 6229.7  | 5347.7 | 4184.8 | 3785.3 | 3648.9 | 3579.6 | 3536.1 | 3488.7 | 3451.1 | 3429.3 |
| 7554.8  | 22.5° | 6548.2  | 5531.6 | 4210.5 | 3777.4 | 3613.3 | 3518.3 | 3439.2 | 3383.8 | 3326.5 | 3288.9 |
| 7985.9  | 25°   | 6858.7  | 5691.8 | 4208.5 | 3735.9 | 3544.0 | 3423.4 | 3322.5 | 3251.3 | 3172.2 | 3132.7 |
| 8430.9  | 27.5° | 7157.3  | 5836.2 | 4159.1 | 3662.7 | 3445.1 | 3310.7 | 3190.0 | 3105.0 | 3027.9 | 2990.3 |
| 8879.9  | 30°   | 7465.8  | 5956.8 | 4082.0 | 3555.9 | 3328.5 | 3180.1 | 3047.6 | 2974.5 | 2905.2 | 2869.6 |
| 9354.5  | 32.5° | 7772.3  | 6067.6 | 3973.2 | 3423.4 | 3194.0 | 3051.6 | 2921.1 | 2853.8 | 2812.3 | 2812.3 |
| 9864.8  | 35°   | 8096.7  | 6144.7 | 3828.8 | 3269.1 | 3051.6 | 2915.1 | 2812.3 | 2772.7 | 2768.8 | 2745.0 |
| 10404.7 | 37.5° | 8438.8  | 6194.1 | 3652.8 | 3110.9 | 2911.2 | 2782.6 | 2751.0 | 2703.5 | 2664.0 | 2612.5 |
| 10998.0 | 40°   | 8798.8  | 6243.6 | 3441.2 | 2946.8 | 2762.8 | 2691.6 | 2677.8 | 2614.5 | 2501.8 | 2375.2 |
| 11670.4 | 42.5° | 9235.8  | 6277.2 | 3221.7 | 2782.6 | 2606.6 | 2582.9 | 2602.6 | 2493.9 | 2313.9 | 2219.0 |
| 12481.2 | 45°   | 9742.1  | 6332.6 | 3019.9 | 2620.4 | 2446.4 | 2446.4 | 2529.5 | 2387.1 | 2238.8 | 2179.4 |
| 13406.8 | 47.5° | 10398.7 | 6461.1 | 2832.1 | 2442.5 | 2298.1 | 2337.6 | 2367.3 | 2258.5 | 2175.5 | 2102.3 |
| 14534.1 | 50°   | 11348.0 | 6769.7 | 2638.2 | 2262.5 | 2185.4 | 2264.5 | 2222.9 | 2159.6 | 2062.7 | 2003.4 |
| 16325.9 | 52.5° | 12526.7 | 6951.6 | 2466.2 | 2100.3 | 2088.4 | 2167.6 | 2108.2 | 2048.9 | 1975.7 | 1896.6 |
| 17684.6 | 55°   | 13329.7 | 6985.2 | 2321.8 | 1981.7 | 2023.2 | 2015.3 | 1993.5 | 1940.1 | 1900.6 | 1795.7 |
| 19025.4 | 57.5° | 14227.6 | 7052.5 | 2203.2 | 1910.5 | 1981.7 | 1894.6 | 1886.7 | 1841.2 | 1789.8 | 1718.6 |
| 20661.0 | 60°   | 15301.4 | 7157.3 | 2100.3 | 1882.8 | 1946.1 | 1815.5 | 1776.0 | 1758.2 | 1706.8 | 1671.2 |
| 22628.8 | 62.5° | 16472.2 | 7252.2 | 1995.5 | 1886.7 | 1904.5 | 1738.4 | 1679.1 | 1673.1 | 1641.5 | 1629.6 |
| 24476.0 | 65°   | 17271.2 | 6993.1 | 1865.0 | 1882.8 | 1839.3 | 1659.3 | 1584.1 | 1582.2 | 1556.4 | 1552.5 |
| 25276.9 | 67.5° | 16992.4 | 6172.4 | 1689.0 | 1827.4 | 1772.0 | 1580.2 | 1497.1 | 1489.2 | 1455.6 | 1457.6 |
| 24440.4 | 70°   | 15596.1 | 5001.6 | 1445.7 | 1690.9 | 1689.0 | 1509.0 | 1406.1 | 1380.4 | 1334.9 | 1342.9 |
| 21250.4 | 72.5° | 12977.6 | 3706.2 | 1119.4 | 1463.5 | 1556.4 | 1443.7 | 1301.3 | 1259.8 | 1202.4 | 1210.4 |
| 15687.1 | 75°   | 9372.3  | 2519.6 | 814.8  | 1113.4 | 1354.7 | 1366.6 | 1198.5 | 1127.3 | 1058.1 | 1069.9 |
| 8731.5  | 77.5° | 4795.9  | 1427.9 | 599.2  | 767.3  | 1064.0 | 1242.0 | 1105.5 | 1010.6 | 994.8  | 1105.5 |
| 2517.6  | 80°   | 1564.4  | 715.9  | 415.3  | 537.9  | 698.1  | 1016.5 | 969.1  | 860.3  | 856.3  | 882.1  |
| 528.0   | 82.5° | 466.7   | 302.6  | 267.0  | 354.0  | 385.7  | 779.2  | 836.6  | 650.7  | 559.7  | 589.4  |
| 176.0   | 85°   | 160.2   | 146.3  | 152.3  | 176.0  | 183.9  | 456.8  | 585.4  | 431.1  | 407.4  | 448.9  |
| 39.6    | 87.5° | 37.6    | 51.4   | 43.5   | 39.6   | 39.6   | 110.8  | 227.4  | 180.0  | 249.2  | 166.1  |
| 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°   |
|--------|
| 4495.3 |
| 3553.9 |
| 3229.6 |
| 3273.1 |
| 3383.8 |
| 3478.8 |
| 3532.2 |
| 3524.3 |
| 3437.2 |
| 3290.9 |
| 3132.7 |
| 2988.3 |
| 2867.7 |
| 2814.3 |
| 2739.1 |
| 2604.6 |
| 2357.4 |
| 2221.0 |
| 2189.3 |
| 2100.3 |
| 1997.5 |
| 1880.8 |
| 1797.7 |
| 1694.9 |
| 1681.0 |
| 1629.6 |
| 1550.5 |
| 1457.6 |
| 1350.8 |
| 1208.4 |
| 1073.9 |
| 1089.7 |
| 757.5  |
| 609.1  |
| 443.0  |
| 160.2  |
| 0.0    |

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