

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: P954380

Luminaire Tested: **GLAN-SB7C-927-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954380  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-927-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32854 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

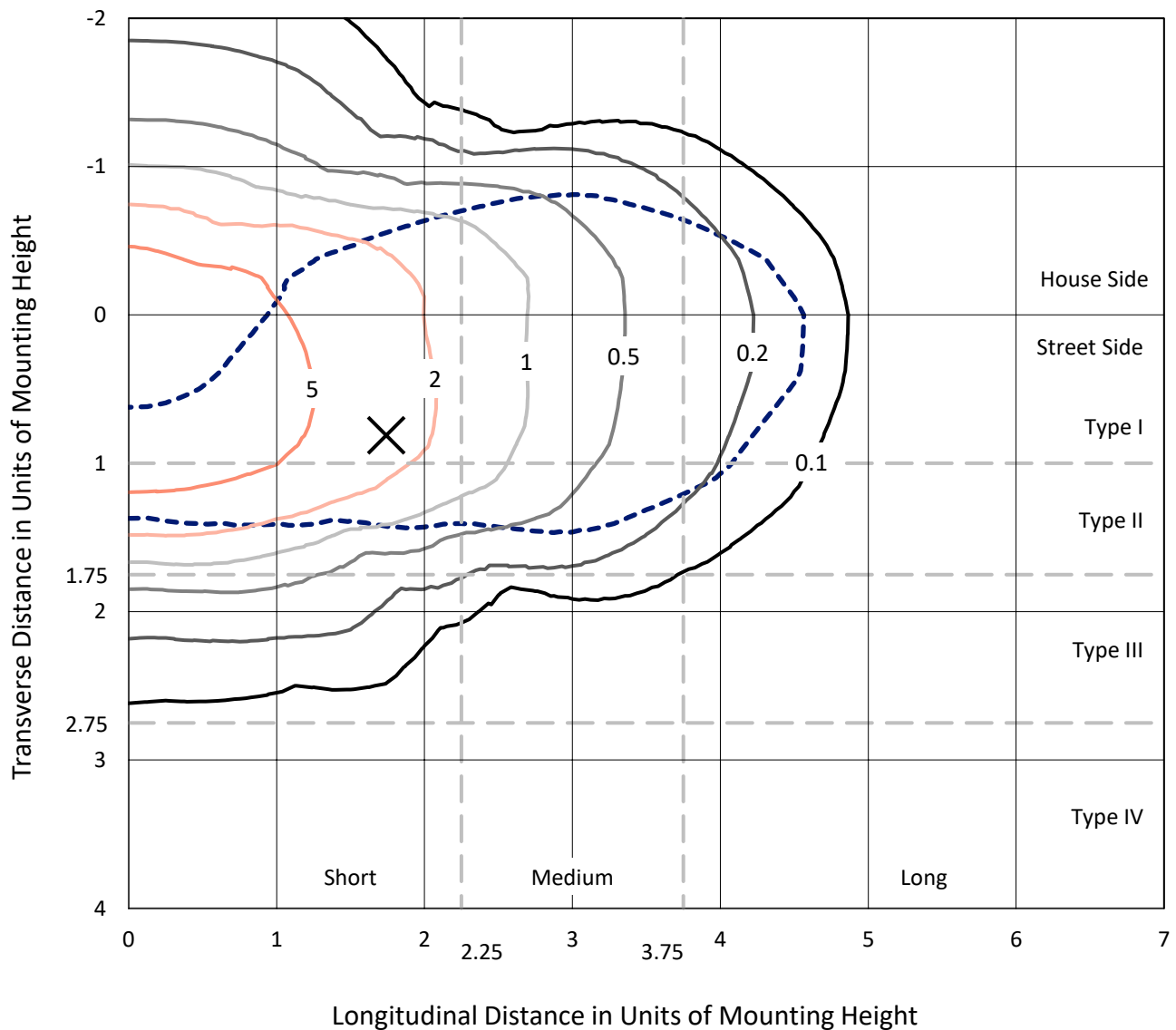
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

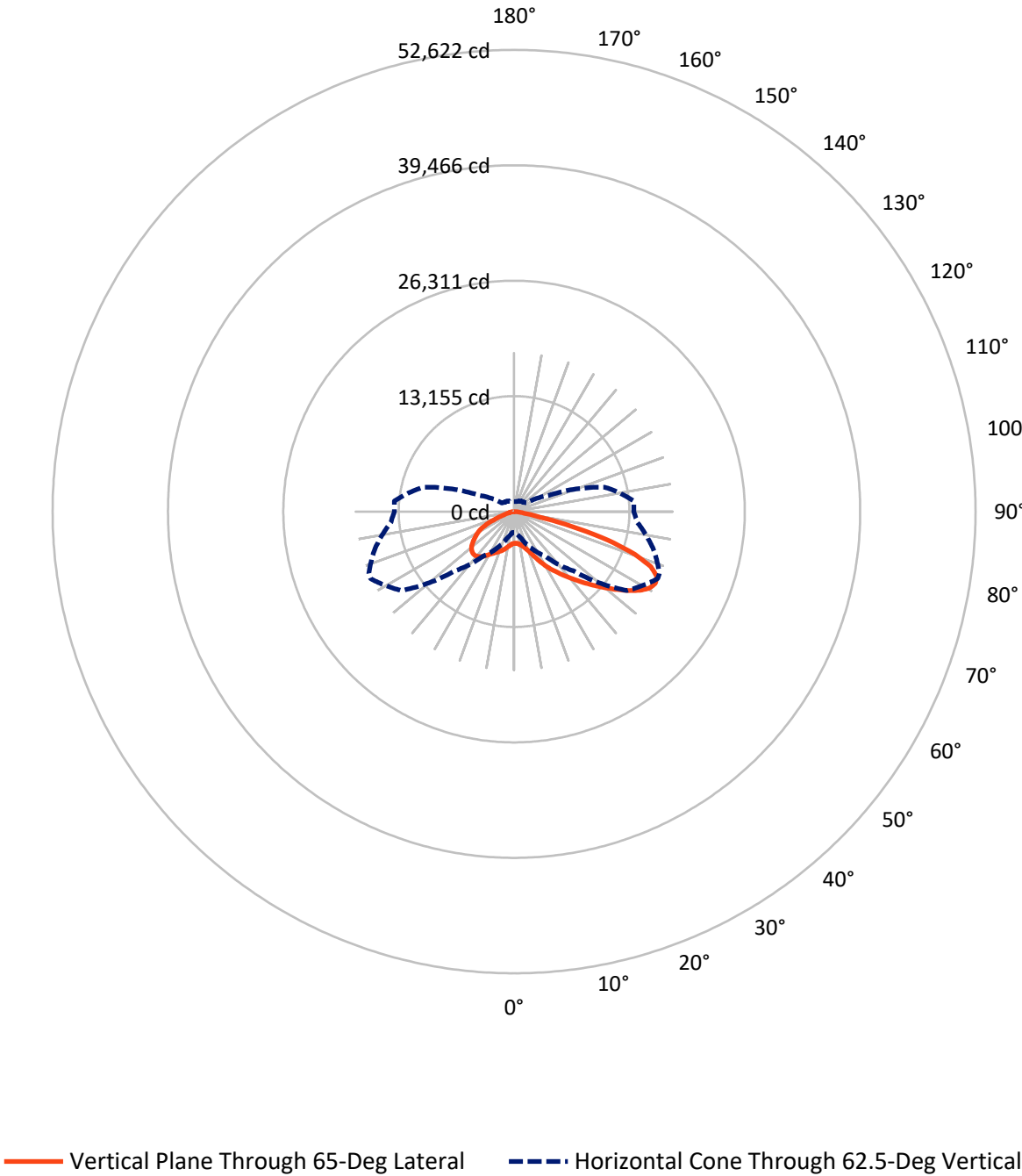
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
Type II - Short - N/A

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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10367.3  | 0.0    | 10367.3 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 22486.7  | 0.0    | 22486.7 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 32854.0  | 0.0    | 32854.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 360.9   | 1.1       |
| 10°-20°   | 1224.0  | 3.7       |
| 20°-30°   | 2481.8  | 7.6       |
| 30°-40°   | 4294.7  | 13.1      |
| 40°-50°   | 6499.2  | 19.8      |
| 50°-60°   | 7619.9  | 23.2      |
| 60°-70°   | 6388.4  | 19.4      |
| 70°-80°   | 3526.9  | 10.7      |
| 80°-90°   | 458.1   | 1.4       |
| 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°    | 32854.0 | 100.0     |
| 0°-180°   | 32854.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P954380

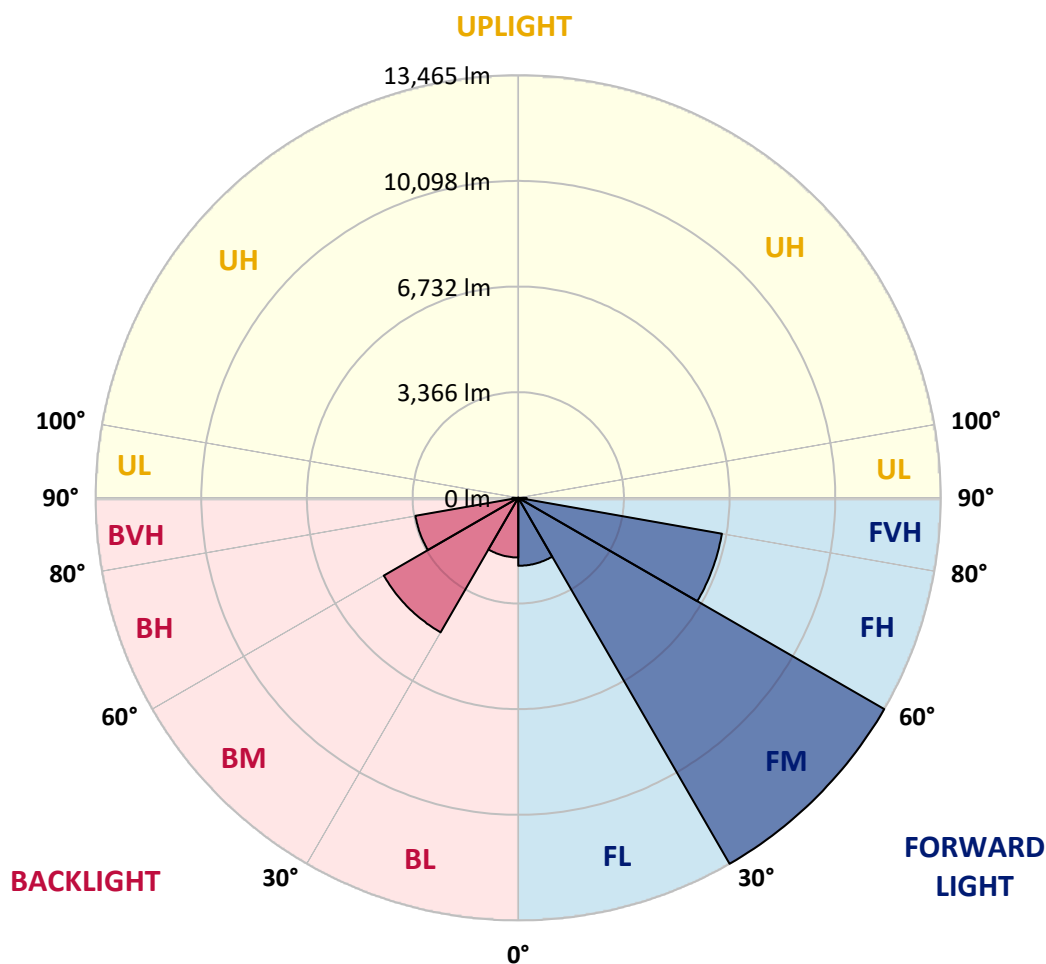
CATALOG NUMBER: GLAN-SB7C-927-U-T2U

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2165.5  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 13464.6 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 6589.5  | 20.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 267.0   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1901.2  | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4949.2  | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3325.7  | 10.1      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 191.1   | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type II Short



REPORT NUMBER: P954380

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3620.4  | 3620.4  | 3620.4  | 3620.4  | 3620.4  | 3620.4  | 3620.4  | 3620.4  | 3620.4  | 3620.4  |
| 2.5°  | 3596.5  | 3586.3  | 3594.8  | 3594.8  | 3598.2  | 3596.5  | 3608.4  | 3611.8  | 3617.0  | 3627.2  |
| 5°    | 3560.7  | 3559.0  | 3574.3  | 3588.0  | 3601.6  | 3613.6  | 3628.9  | 3651.0  | 3654.5  | 3666.4  |
| 7.5°  | 3548.8  | 3538.6  | 3562.4  | 3579.5  | 3611.8  | 3640.8  | 3681.7  | 3719.2  | 3734.6  | 3739.7  |
| 10°   | 3640.8  | 3623.8  | 3645.9  | 3656.2  | 3683.4  | 3712.4  | 3760.1  | 3819.8  | 3836.8  | 3857.3  |
| 12.5° | 3797.6  | 3778.9  | 3811.3  | 3826.6  | 3852.2  | 3877.7  | 3910.1  | 3968.1  | 3976.6  | 4014.1  |
| 15°   | 4012.4  | 3990.2  | 4010.7  | 4029.4  | 4072.1  | 4095.9  | 4128.3  | 4184.6  | 4184.6  | 4213.5  |
| 17.5° | 4303.9  | 4274.9  | 4290.2  | 4297.1  | 4324.3  | 4360.1  | 4414.7  | 4464.1  | 4489.7  | 4479.4  |
| 20°   | 4738.5  | 4702.7  | 4702.7  | 4668.6  | 4658.4  | 4687.4  | 4759.0  | 4827.2  | 4854.4  | 4801.6  |
| 22.5° | 5391.3  | 5340.2  | 5311.2  | 5195.3  | 5149.3  | 5152.7  | 5224.3  | 5307.8  | 5330.0  | 5236.2  |
| 25°   | 6221.4  | 6141.3  | 6102.1  | 5931.7  | 5827.7  | 5737.4  | 5793.6  | 5901.0  | 5931.7  | 5815.8  |
| 27.5° | 7051.5  | 7056.7  | 7019.2  | 6814.6  | 6642.5  | 6477.1  | 6448.1  | 6560.6  | 6593.0  | 6461.8  |
| 30°   | 8215.7  | 8094.7  | 8023.1  | 7777.7  | 7532.2  | 7300.4  | 7181.1  | 7227.1  | 7235.6  | 7078.8  |
| 32.5° | 9219.7  | 9189.0  | 9035.6  | 8820.8  | 8505.5  | 8142.4  | 7943.0  | 7869.7  | 7856.1  | 7632.8  |
| 35°   | 10363.4 | 10346.3 | 10184.4 | 9928.7  | 9587.8  | 9083.3  | 8723.7  | 8514.0  | 8497.0  | 8183.3  |
| 37.5° | 11525.9 | 11525.9 | 11367.3 | 11087.8 | 10735.0 | 10104.3 | 9557.2  | 9224.8  | 9170.2  | 8761.2  |
| 40°   | 12453.1 | 12396.9 | 12425.8 | 12308.2 | 11904.3 | 11234.4 | 10482.7 | 10000.3 | 9927.0  | 9436.1  |
| 42.5° | 12979.8 | 12961.1 | 13134.9 | 13266.2 | 13100.8 | 12565.6 | 11502.0 | 10840.7 | 10738.4 | 10179.3 |
| 45°   | 13097.4 | 13077.0 | 13387.2 | 13867.9 | 14099.7 | 13879.8 | 12609.9 | 11725.3 | 11600.9 | 10956.6 |
| 47.5° | 12826.4 | 12785.5 | 13240.6 | 13999.1 | 14742.3 | 15129.2 | 13809.9 | 12684.9 | 12504.2 | 11713.4 |
| 50°   | 12011.6 | 11972.4 | 12661.1 | 13668.4 | 14958.7 | 15978.0 | 15112.1 | 13702.5 | 13426.4 | 12524.7 |
| 52.5° | 10240.7 | 10259.4 | 11338.4 | 12722.4 | 14674.1 | 16506.4 | 16233.7 | 14774.6 | 14442.3 | 13354.8 |
| 55°   | 7977.1  | 8018.0  | 9344.1  | 10867.9 | 13535.5 | 16426.3 | 16999.0 | 15879.2 | 15548.5 | 14135.5 |
| 57.5° | 5711.8  | 5892.5  | 7135.1  | 8643.5  | 11348.6 | 15156.5 | 17166.1 | 16929.1 | 16608.7 | 14987.7 |
| 60°   | 3702.2  | 3734.6  | 5012.9  | 6533.4  | 8641.8  | 12899.7 | 16826.9 | 17725.1 | 17474.6 | 15857.0 |
| 62.5° | 2372.7  | 2394.8  | 3173.8  | 4569.8  | 6219.7  | 9543.5  | 15684.9 | 18071.2 | 17994.5 | 16431.4 |
| 65°   | 1743.7  | 1726.7  | 2132.3  | 3020.4  | 4189.7  | 5885.7  | 13467.3 | 17904.1 | 18055.8 | 16791.1 |
| 67.5° | 1455.6  | 1431.8  | 1631.2  | 2091.4  | 3086.9  | 3342.5  | 9964.5  | 16818.3 | 17374.0 | 16750.2 |
| 70°   | 1326.1  | 1305.7  | 1426.7  | 1552.8  | 2408.5  | 2238.0  | 5023.2  | 14621.2 | 15476.9 | 16284.8 |
| 72.5° | 1123.3  | 1087.5  | 1252.8  | 1378.9  | 1873.3  | 1716.4  | 2076.1  | 11231.0 | 12274.1 | 14793.4 |
| 75°   | 871.0   | 847.1   | 988.6   | 1213.6  | 1407.9  | 1339.7  | 1312.5  | 6819.7  | 7958.3  | 11440.6 |
| 77.5° | 690.3   | 657.9   | 787.5   | 946.0   | 1266.4  | 1010.8  | 956.2   | 2936.9  | 4065.2  | 7303.8  |
| 80°   | 519.9   | 490.9   | 598.3   | 748.3   | 973.3   | 761.9   | 618.7   | 1198.3  | 1532.3  | 3700.5  |
| 82.5° | 369.9   | 344.3   | 417.6   | 548.9   | 654.5   | 683.5   | 380.1   | 671.6   | 755.1   | 1426.7  |
| 85°   | 236.9   | 221.6   | 279.5   | 344.3   | 415.9   | 439.8   | 231.8   | 351.1   | 385.2   | 588.1   |
| 87.5° | 129.5   | 105.7   | 150.0   | 160.2   | 192.6   | 175.6   | 110.8   | 127.8   | 138.1   | 213.1   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P954380

CATALOG NUMBER: GLAN-SB7C-927-U-T2U

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 3620.4  | 0°    | 3620.4  | 3620.4  | 3620.4  | 3620.4 | 3620.4 | 3620.4 | 3620.4 | 3620.4 | 3620.4 | 3620.4 |
| 3627.2  | 2.5°  | 3634.0  | 3639.1  | 3656.2  | 3661.3 | 3673.2 | 3688.5 | 3698.8 | 3709.0 | 3709.0 | 3719.2 |
| 3681.7  | 5°    | 3683.4  | 3695.4  | 3731.2  | 3749.9 | 3780.6 | 3811.3 | 3830.0 | 3852.2 | 3865.8 | 3872.6 |
| 3768.7  | 7.5°  | 3778.9  | 3797.6  | 3848.8  | 3881.2 | 3934.0 | 3976.6 | 4005.6 | 4036.3 | 4043.1 | 4061.8 |
| 3889.7  | 10°   | 3908.4  | 3930.6  | 3988.5  | 4049.9 | 4113.0 | 4165.8 | 4193.1 | 4215.2 | 4223.8 | 4227.2 |
| 4044.8  | 12.5° | 4056.7  | 4089.1  | 4164.1  | 4239.1 | 4305.6 | 4351.6 | 4358.4 | 4353.3 | 4329.4 | 4309.0 |
| 4235.7  | 15°   | 4239.1  | 4268.1  | 4351.6  | 4433.4 | 4498.2 | 4506.7 | 4464.1 | 4436.8 | 4407.8 | 4402.7 |
| 4448.8  | 17.5° | 4457.3  | 4472.6  | 4549.3  | 4629.4 | 4634.5 | 4605.6 | 4542.5 | 4516.9 | 4489.7 | 4470.9 |
| 4726.6  | 20°   | 4711.3  | 4706.1  | 4760.7  | 4794.8 | 4759.0 | 4670.3 | 4574.9 | 4532.3 | 4505.0 | 4482.8 |
| 5067.5  | 22.5° | 5014.7  | 4975.4  | 4968.6  | 4960.1 | 4864.7 | 4678.9 | 4549.3 | 4494.8 | 4452.2 | 4421.5 |
| 5543.0  | 25°   | 5456.1  | 5306.1  | 5202.1  | 5144.2 | 4929.4 | 4632.8 | 4467.5 | 4346.5 | 4266.4 | 4213.5 |
| 6124.3  | 27.5° | 6008.4  | 5756.1  | 5493.6  | 5352.1 | 4929.4 | 4539.1 | 4269.8 | 4073.8 | 3942.5 | 3888.0 |
| 6686.8  | 30°   | 6535.1  | 6270.9  | 5884.0  | 5602.7 | 4917.5 | 4385.7 | 3951.0 | 3678.3 | 3524.9 | 3470.4 |
| 7167.4  | 32.5° | 6985.1  | 6697.0  | 6298.1  | 5877.1 | 4888.5 | 4136.8 | 3555.6 | 3253.9 | 3105.6 | 3040.8 |
| 7643.0  | 35°   | 7402.7  | 7095.9  | 6714.0  | 6178.8 | 4811.8 | 3772.1 | 3120.9 | 2890.8 | 2725.5 | 2621.5 |
| 8127.1  | 37.5° | 7830.5  | 7465.7  | 7107.8  | 6451.6 | 4673.8 | 3345.9 | 2786.9 | 2590.8 | 2396.5 | 2256.8 |
| 8641.8  | 40°   | 8295.8  | 7859.5  | 7528.8  | 6613.5 | 4447.1 | 2940.3 | 2527.8 | 2348.8 | 2142.6 | 1994.3 |
| 9235.0  | 42.5° | 8839.6  | 8331.6  | 7997.5  | 6697.0 | 4136.8 | 2652.2 | 2359.0 | 2183.5 | 1989.2 | 1868.1 |
| 9870.8  | 45°   | 9407.2  | 8851.5  | 8425.4  | 6695.3 | 3790.8 | 2517.6 | 2304.5 | 2130.6 | 1915.9 | 1789.7 |
| 10523.6 | 47.5° | 10002.0 | 9395.2  | 8795.2  | 6586.2 | 3490.8 | 2536.3 | 2273.8 | 2016.4 | 1779.5 | 1656.8 |
| 11183.3 | 50°   | 10598.6 | 9990.1  | 9153.2  | 6381.7 | 3363.0 | 2495.4 | 2159.6 | 1856.2 | 1576.7 | 1465.9 |
| 11802.0 | 52.5° | 11190.1 | 10622.5 | 9461.7  | 6090.2 | 3233.4 | 2343.7 | 2013.0 | 1648.3 | 1493.1 | 1416.4 |
| 12441.2 | 55°   | 11784.9 | 11248.0 | 9797.5  | 5665.8 | 2909.6 | 2166.4 | 1767.6 | 1569.8 | 1426.7 | 1356.8 |
| 13066.7 | 57.5° | 12381.5 | 11970.7 | 10116.2 | 5241.4 | 2502.2 | 1948.2 | 1632.9 | 1474.4 | 1360.2 | 1300.5 |
| 13590.0 | 60°   | 13002.0 | 12797.4 | 10445.2 | 4851.0 | 2099.9 | 1668.7 | 1534.1 | 1397.7 | 1281.8 | 1215.3 |
| 14092.8 | 62.5° | 13641.2 | 13707.6 | 10702.6 | 4348.2 | 1730.1 | 1498.3 | 1445.4 | 1305.7 | 1193.2 | 1130.1 |
| 14508.7 | 65°   | 14285.5 | 14585.4 | 10871.3 | 3651.0 | 1402.8 | 1336.3 | 1350.0 | 1205.1 | 1090.9 | 1036.3 |
| 14813.9 | 67.5° | 14771.2 | 15217.8 | 10823.6 | 2763.0 | 1150.5 | 1182.9 | 1230.7 | 1099.4 | 992.0  | 949.4  |
| 14764.4 | 70°   | 14825.8 | 15142.8 | 10353.2 | 1892.0 | 963.0  | 1032.9 | 1097.7 | 995.4  | 884.6  | 854.0  |
| 14069.0 | 72.5° | 14099.7 | 14120.1 | 9042.4  | 1235.8 | 814.8  | 906.8  | 957.9  | 889.8  | 782.4  | 751.7  |
| 12308.2 | 75°   | 12195.7 | 11677.6 | 6639.0  | 814.8  | 681.8  | 779.0  | 826.7  | 779.0  | 675.0  | 681.8  |
| 9209.4  | 77.5° | 9240.1  | 8270.3  | 4031.2  | 579.5  | 569.3  | 654.5  | 719.3  | 685.2  | 596.6  | 669.9  |
| 4631.1  | 80°   | 4760.7  | 4474.3  | 1798.3  | 432.9  | 450.0  | 523.3  | 591.5  | 547.1  | 472.1  | 450.0  |
| 1034.6  | 82.5° | 1090.9  | 1268.2  | 709.1   | 310.2  | 325.6  | 376.7  | 451.7  | 410.8  | 339.2  | 286.4  |
| 431.2   | 85°   | 381.8   | 417.6   | 313.6   | 194.3  | 190.9  | 235.2  | 306.8  | 274.4  | 230.1  | 184.1  |
| 182.4   | 87.5° | 121.0   | 158.5   | 117.6   | 78.4   | 81.8   | 105.7  | 141.5  | 129.5  | 107.4  | 69.9   |
| 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°   |
|--------|
| 3620.4 |
| 3719.2 |
| 3876.0 |
| 4055.0 |
| 4218.6 |
| 4309.0 |
| 4402.7 |
| 4472.6 |
| 4484.6 |
| 4431.7 |
| 4234.0 |
| 3915.2 |
| 3502.8 |
| 3073.2 |
| 2655.6 |
| 2294.3 |
| 2023.2 |
| 1892.0 |
| 1810.2 |
| 1673.8 |
| 1472.7 |
| 1416.4 |
| 1350.0 |
| 1290.3 |
| 1210.2 |
| 1128.4 |
| 1034.6 |
| 951.1  |
| 855.7  |
| 750.0  |
| 657.9  |
| 589.8  |
| 410.8  |
| 282.9  |
| 194.3  |
| 73.3   |
| 0.0    |