

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: P950548

Luminaire Tested: **GLAN-SB5A-722-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950548  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-722-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 18605 lumens  
Efficiency: N/A  
Efficacy: 131.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 141.7  
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

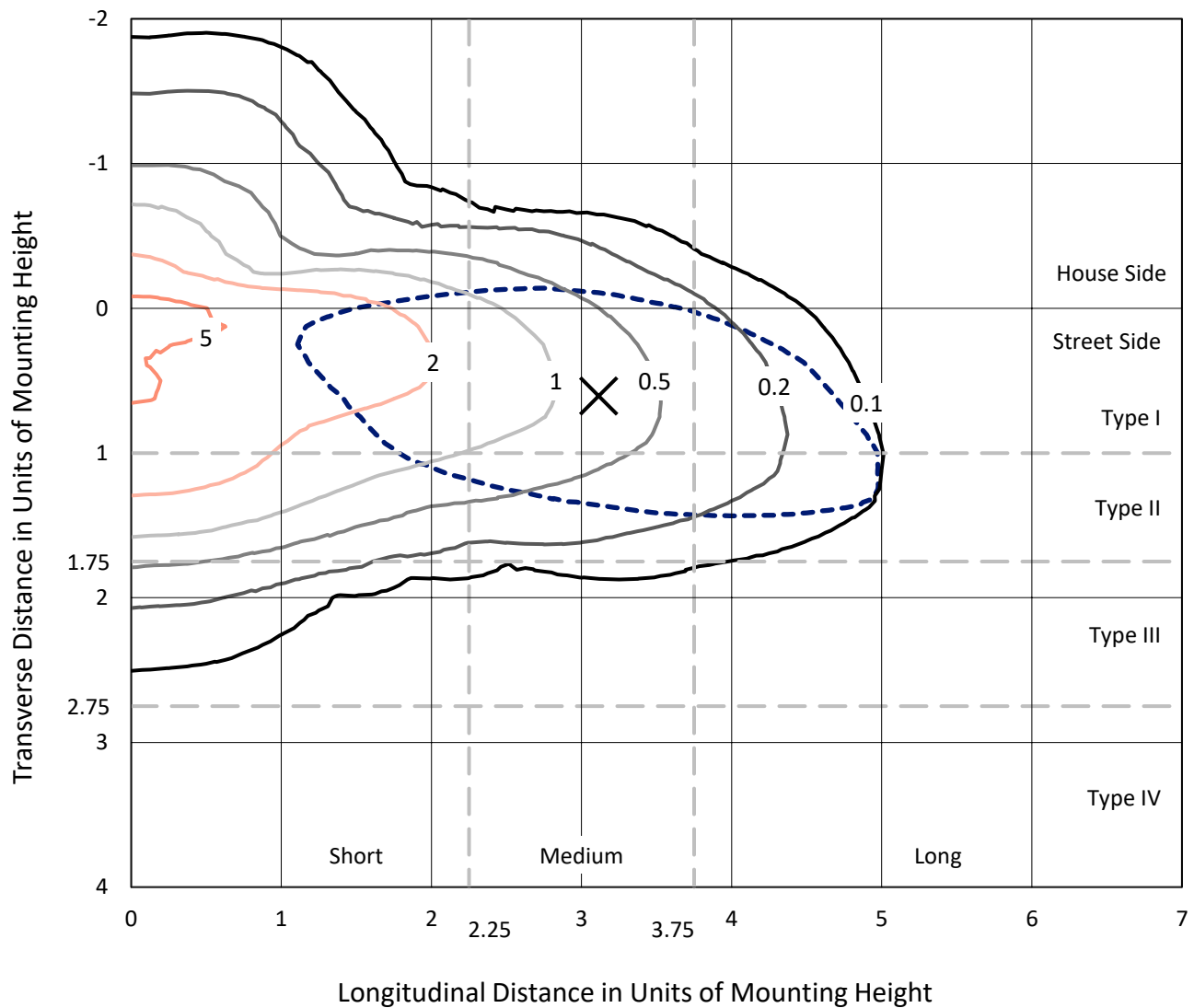


REPORT NUMBER: P950548

CATALOG NUMBER: GLAN-SB5A-722-U-SL2

## Iso-Footcandle Lines of Horizontal Illumination

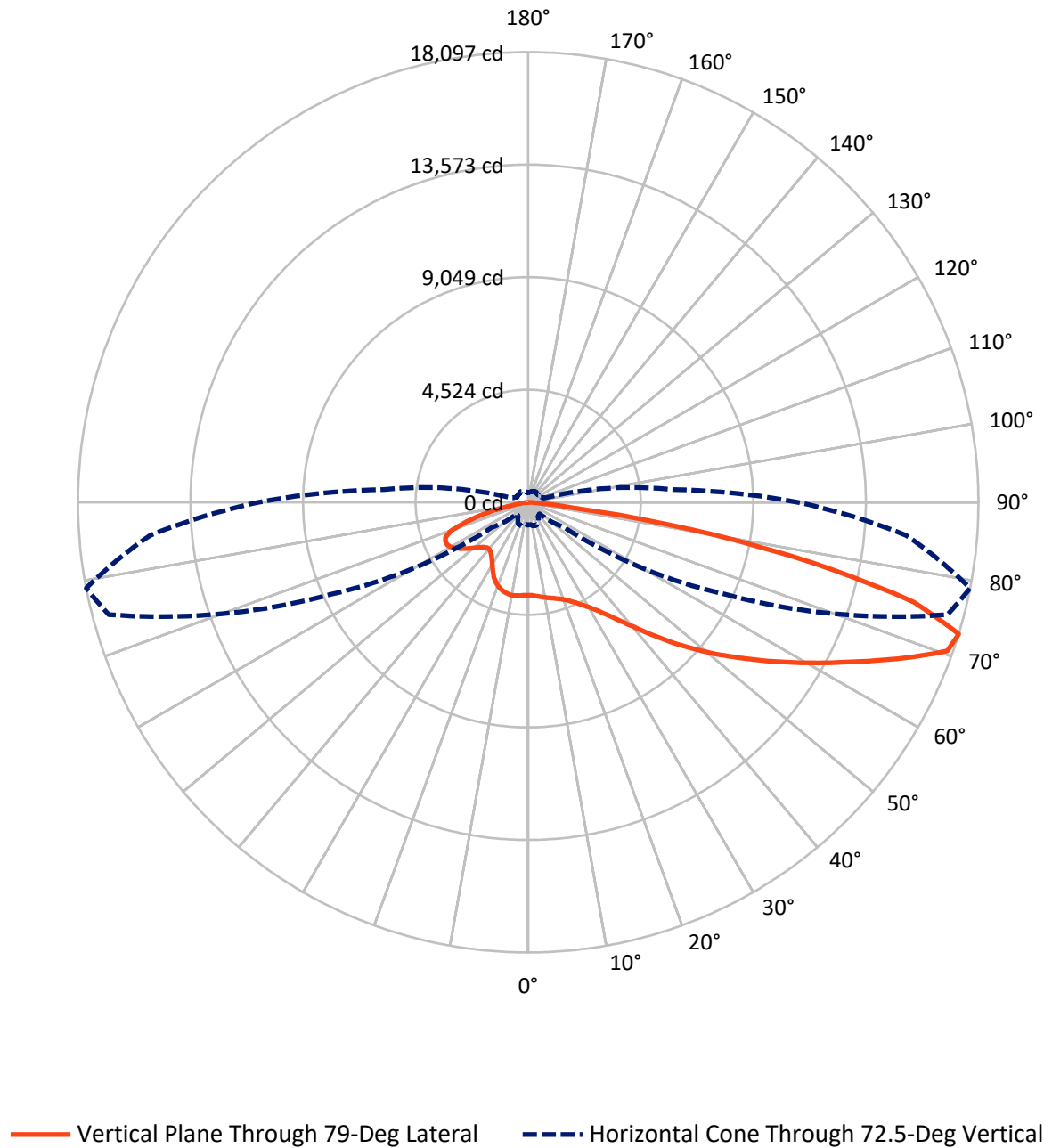
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
Type II - Medium - N/A

REPORT NUMBER: P950548  
CATALOG NUMBER: GLAN-SB5A-722-U-SL2

## Luminous Intensity Polar Plot



REPORT NUMBER: P950548

CATALOG NUMBER: GLAN-SB5A-722-U-SL2

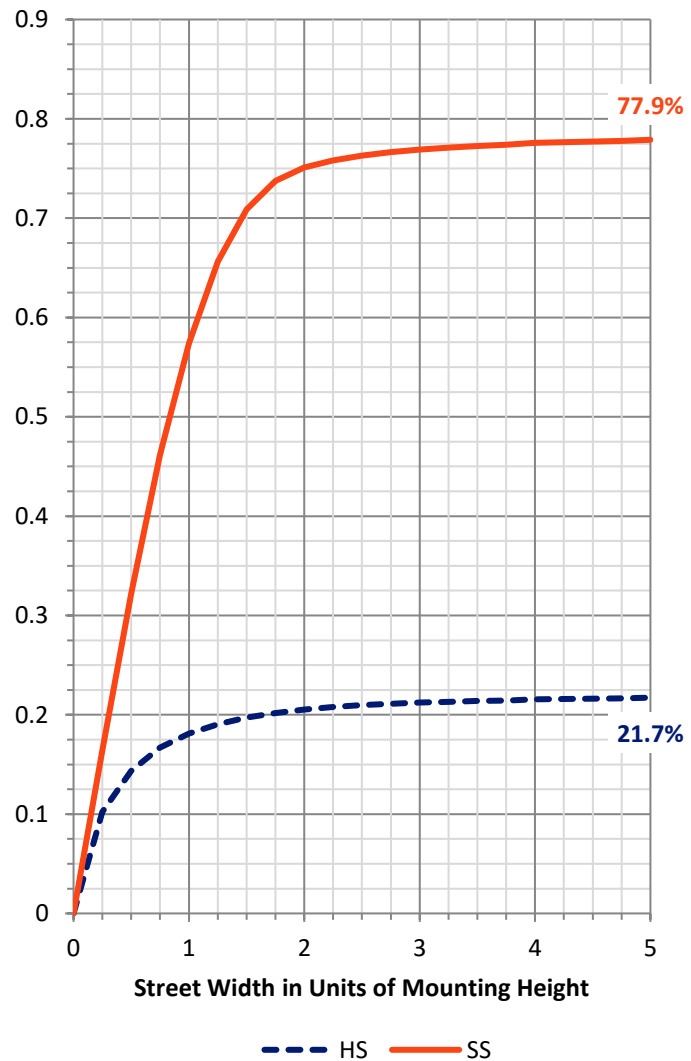
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4094.1   | 0.0    | 4094.1  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 14510.9  | 0.0    | 14510.9 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 18605.0  | 0.0    | 18605.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 339.0   | 1.8       |
| 10°-20°   | 886.3   | 4.8       |
| 20°-30°   | 1430.2  | 7.7       |
| 30°-40°   | 2146.5  | 11.5      |
| 40°-50°   | 3045.0  | 16.4      |
| 50°-60°   | 3845.4  | 20.7      |
| 60°-70°   | 3905.5  | 21.0      |
| 70°-80°   | 2661.8  | 14.3      |
| 80°-90°   | 345.3   | 1.9       |
| 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°    | 18605.0 | 100.0     |
| 0°-180°   | 18605.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P950548

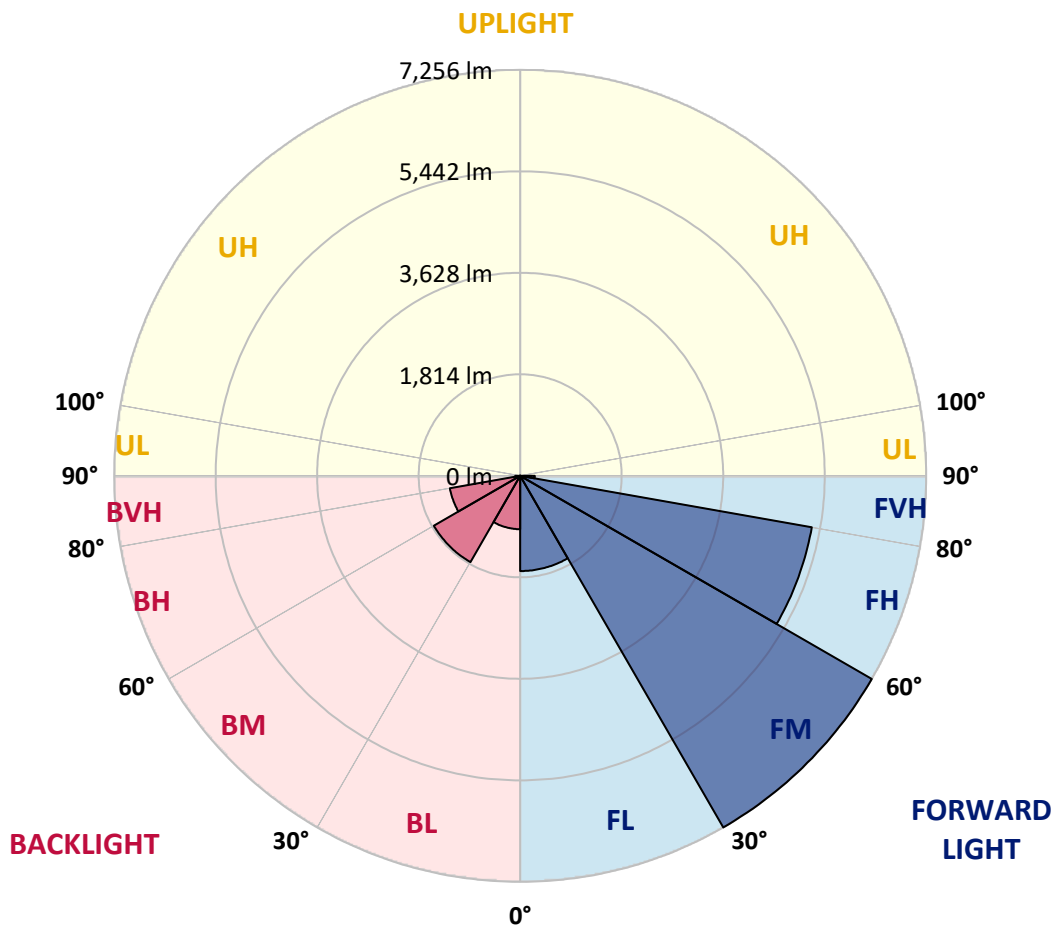
CATALOG NUMBER: GLAN-SB5A-722-U-SL2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1701.9 | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 7256.3 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 5292.5 | 28.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 260.1  | 1.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 953.6  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1780.5 | 9.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1274.8 | 6.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 85.2   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Medium



REPORT NUMBER: P950548

CATALOG NUMBER: GLAN-SB5A-722-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 79°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8  | 3734.8  | 3734.8  |
| 2.5°  | 3736.7 | 3719.0 | 3729.9 | 3725.9 | 3730.8 | 3736.7 | 3738.7 | 3741.7  | 3751.5  | 3750.5  |
| 5°    | 3728.9 | 3711.2 | 3725.9 | 3721.0 | 3733.8 | 3747.6 | 3759.4 | 3770.2  | 3786.0  | 3792.8  |
| 7.5°  | 3712.1 | 3700.3 | 3715.1 | 3729.9 | 3753.5 | 3774.1 | 3790.9 | 3815.5  | 3838.1  | 3842.0  |
| 10°   | 3614.7 | 3605.9 | 3640.3 | 3678.7 | 3743.6 | 3799.7 | 3836.1 | 3864.7  | 3889.3  | 3893.2  |
| 12.5° | 3513.3 | 3502.5 | 3540.9 | 3593.1 | 3698.4 | 3799.7 | 3876.5 | 3913.9  | 3935.5  | 3948.3  |
| 15°   | 3496.6 | 3487.8 | 3509.4 | 3554.7 | 3642.3 | 3773.2 | 3904.0 | 3972.9  | 3991.6  | 4006.4  |
| 17.5° | 3577.3 | 3560.6 | 3569.4 | 3585.2 | 3636.4 | 3748.6 | 3925.7 | 4039.9  | 4068.4  | 4084.1  |
| 20°   | 3764.3 | 3740.7 | 3726.9 | 3695.4 | 3686.6 | 3752.5 | 3923.7 | 4120.6  | 4158.0  | 4177.6  |
| 22.5° | 4013.3 | 3997.5 | 3968.0 | 3888.3 | 3801.7 | 3800.7 | 3961.1 | 4223.9  | 4293.8  | 4312.5  |
| 25°   | 4314.4 | 4290.8 | 4253.4 | 4145.2 | 3978.8 | 3896.2 | 4024.1 | 4355.8  | 4472.9  | 4477.8  |
| 27.5° | 4660.8 | 4625.4 | 4574.2 | 4431.5 | 4207.2 | 4045.8 | 4120.6 | 4507.3  | 4678.6  | 4676.6  |
| 30°   | 5026.0 | 4990.5 | 4936.4 | 4763.2 | 4480.7 | 4247.5 | 4254.4 | 4670.7  | 4922.6  | 4911.8  |
| 32.5° | 5292.7 | 5266.1 | 5255.3 | 5121.4 | 4795.7 | 4485.7 | 4407.9 | 4851.8  | 5223.8  | 5213.9  |
| 35°   | 5497.4 | 5462.9 | 5475.7 | 5407.8 | 5139.1 | 4752.4 | 4595.9 | 5067.3  | 5589.9  | 5588.9  |
| 37.5° | 5700.1 | 5669.6 | 5680.4 | 5635.1 | 5457.0 | 5090.9 | 4825.2 | 5331.0  | 6043.5  | 6065.2  |
| 40°   | 5885.1 | 5852.6 | 5895.9 | 5853.6 | 5704.0 | 5451.1 | 5086.0 | 5629.2  | 6569.1  | 6610.4  |
| 42.5° | 5996.3 | 5970.7 | 6042.6 | 6043.5 | 5918.6 | 5755.2 | 5372.4 | 5957.9  | 7177.3  | 7269.8  |
| 45°   | 6034.7 | 6025.8 | 6134.1 | 6156.7 | 6108.5 | 5931.4 | 5630.2 | 6316.2  | 7832.7  | 7998.0  |
| 47.5° | 5993.4 | 5976.6 | 6126.2 | 6209.9 | 6248.2 | 6014.0 | 5843.8 | 6703.9  | 8501.9  | 8744.0  |
| 50°   | 5784.7 | 5752.2 | 5974.7 | 6150.8 | 6287.6 | 6068.2 | 6059.3 | 7151.7  | 9262.6  | 9527.4  |
| 52.5° | 5409.8 | 5385.2 | 5638.1 | 5944.2 | 6201.0 | 6094.7 | 6301.4 | 7640.8  | 9985.0  | 10327.5 |
| 55°   | 4930.5 | 4898.0 | 5176.5 | 5576.1 | 5985.5 | 6085.9 | 6543.5 | 8188.0  | 10837.2 | 11184.6 |
| 57.5° | 4170.7 | 4105.8 | 4458.1 | 4930.5 | 5634.1 | 6075.0 | 6795.4 | 8732.2  | 11703.3 | 12119.6 |
| 60°   | 3062.6 | 2966.2 | 3398.2 | 3958.2 | 4947.2 | 5969.7 | 7107.4 | 9342.4  | 12742.5 | 13117.5 |
| 62.5° | 1783.2 | 1727.1 | 2009.6 | 2532.2 | 3728.9 | 5349.7 | 7282.6 | 10051.9 | 13764.1 | 14157.7 |
| 65°   | 1384.7 | 1368.9 | 1393.5 | 1433.9 | 2075.5 | 4005.4 | 6742.3 | 10743.8 | 15063.1 | 15338.7 |
| 67.5° | 1266.6 | 1254.8 | 1265.6 | 1189.8 | 1053.0 | 2231.0 | 5334.0 | 10918.9 | 16454.7 | 16622.0 |
| 70°   | 1125.8 | 1112.1 | 1147.5 | 1082.5 | 828.6  | 1014.6 | 3446.4 | 10283.2 | 17561.8 | 17875.8 |
| 72.5° | 917.2  | 901.5  | 984.1  | 954.6  | 697.7  | 651.5  | 1731.1 | 8772.5  | 17445.7 | 18097.2 |
| 75°   | 704.6  | 695.8  | 794.2  | 818.8  | 568.8  | 512.7  | 830.6  | 6520.9  | 15352.4 | 16008.9 |
| 77.5° | 547.2  | 540.3  | 590.5  | 680.0  | 458.6  | 397.6  | 510.8  | 4136.3  | 11569.4 | 11684.6 |
| 80°   | 410.4  | 390.7  | 437.0  | 526.5  | 357.2  | 290.3  | 346.4  | 2412.1  | 7313.1  | 6629.1  |
| 82.5° | 256.9  | 247.0  | 285.4  | 351.3  | 251.9  | 199.8  | 225.4  | 1332.5  | 2930.7  | 1726.2  |
| 85°   | 146.6  | 142.7  | 155.5  | 200.8  | 136.8  | 115.1  | 128.9  | 588.5   | 535.4   | 368.1   |
| 87.5° | 59.0   | 57.1   | 70.9   | 89.6   | 50.2   | 42.3   | 45.3   | 141.7   | 118.1   | 109.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P950548

CATALOG NUMBER: GLAN-SB5A-722-U-SL2

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3734.8  | 0°    | 3734.8  | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 | 3734.8 |
| 3749.5  | 2.5°  | 3745.6  | 3745.6 | 3731.8 | 3710.2 | 3685.6 | 3669.8 | 3644.2 | 3637.3 | 3610.8 | 3602.9 |
| 3783.0  | 5°    | 3790.9  | 3783.0 | 3740.7 | 3679.7 | 3596.0 | 3519.3 | 3434.6 | 3381.5 | 3306.7 | 3280.1 |
| 3848.9  | 7.5°  | 3848.0  | 3826.3 | 3753.5 | 3619.6 | 3444.5 | 3272.2 | 3093.1 | 2957.3 | 2827.4 | 2781.2 |
| 3903.1  | 10°   | 3900.1  | 3869.6 | 3745.6 | 3511.4 | 3208.3 | 2910.1 | 2624.7 | 2424.9 | 2273.3 | 2211.3 |
| 3963.1  | 12.5° | 3952.3  | 3896.2 | 3693.4 | 3331.3 | 2872.7 | 2468.2 | 2164.1 | 2008.6 | 1915.1 | 1840.3 |
| 4012.3  | 15°   | 4001.5  | 3922.7 | 3612.7 | 3090.2 | 2504.6 | 2094.2 | 1869.8 | 1745.8 | 1671.1 | 1621.8 |
| 4084.1  | 17.5° | 4058.6  | 3945.4 | 3491.7 | 2784.1 | 2154.3 | 1835.4 | 1652.4 | 1577.6 | 1562.8 | 1556.9 |
| 4182.6  | 20°   | 4138.3  | 3966.0 | 3332.3 | 2441.6 | 1896.4 | 1628.7 | 1534.3 | 1527.4 | 1526.4 | 1523.4 |
| 4300.7  | 22.5° | 4223.9  | 3990.7 | 3121.7 | 2130.6 | 1677.0 | 1499.8 | 1483.1 | 1469.3 | 1460.5 | 1459.5 |
| 4443.4  | 25°   | 4325.3  | 3998.5 | 2857.9 | 1875.8 | 1490.0 | 1438.8 | 1419.1 | 1398.5 | 1392.5 | 1392.5 |
| 4605.7  | 27.5° | 4423.7  | 3972.0 | 2550.9 | 1654.3 | 1384.7 | 1382.7 | 1357.1 | 1350.2 | 1349.2 | 1352.2 |
| 4790.7  | 30°   | 4522.1  | 3921.8 | 2245.8 | 1449.6 | 1323.7 | 1323.7 | 1314.8 | 1319.7 | 1323.7 | 1333.5 |
| 5044.7  | 32.5° | 4654.9  | 3868.6 | 1990.9 | 1298.1 | 1270.5 | 1260.7 | 1269.5 | 1279.4 | 1283.3 | 1296.1 |
| 5378.3  | 35°   | 4849.8  | 3831.2 | 1788.2 | 1215.4 | 1215.4 | 1202.6 | 1207.5 | 1205.6 | 1196.7 | 1190.8 |
| 5781.8  | 37.5° | 5107.6  | 3829.3 | 1620.9 | 1177.0 | 1169.1 | 1167.2 | 1168.2 | 1155.4 | 1120.9 | 1079.6 |
| 6269.9  | 40°   | 5417.6  | 3882.4 | 1491.9 | 1150.4 | 1144.5 | 1156.4 | 1150.4 | 1116.0 | 1021.5 | 949.7  |
| 6870.2  | 42.5° | 5833.9  | 4034.0 | 1409.3 | 1118.0 | 1135.7 | 1150.4 | 1126.8 | 1007.8 | 943.8  | 895.6  |
| 7554.2  | 45°   | 6324.0  | 4280.0 | 1367.0 | 1083.5 | 1119.0 | 1136.7 | 1022.5 | 970.4  | 919.2  | 861.1  |
| 8300.2  | 47.5° | 6879.1  | 4590.0 | 1357.1 | 1051.1 | 1081.6 | 1092.4 | 978.2  | 954.6  | 896.5  | 833.6  |
| 9050.1  | 50°   | 7483.3  | 4957.1 | 1383.7 | 1012.7 | 1027.4 | 990.0  | 963.5  | 941.8  | 881.8  | 819.8  |
| 9818.7  | 52.5° | 8108.3  | 5361.5 | 1436.8 | 960.5  | 973.3  | 932.0  | 957.6  | 938.9  | 872.9  | 789.3  |
| 10612.9 | 55°   | 8722.4  | 5769.0 | 1488.0 | 899.5  | 918.2  | 879.8  | 940.8  | 927.1  | 832.6  | 738.1  |
| 11460.2 | 57.5° | 9346.3  | 6174.4 | 1538.2 | 845.4  | 865.1  | 829.6  | 914.3  | 895.6  | 787.3  | 690.9  |
| 12385.3 | 60°   | 9994.8  | 6568.1 | 1561.8 | 793.2  | 807.0  | 783.4  | 873.9  | 841.4  | 736.1  | 642.6  |
| 13294.6 | 62.5° | 10602.0 | 6895.8 | 1523.4 | 741.1  | 749.9  | 740.1  | 820.8  | 777.5  | 685.0  | 588.5  |
| 14242.3 | 65°   | 11211.2 | 7090.7 | 1405.3 | 689.9  | 691.8  | 686.9  | 746.0  | 708.6  | 624.9  | 541.3  |
| 15072.0 | 67.5° | 11763.3 | 7199.9 | 1217.4 | 634.8  | 629.8  | 627.9  | 676.1  | 633.8  | 566.9  | 494.0  |
| 15702.8 | 70°   | 11880.4 | 6922.4 | 930.0  | 569.8  | 569.8  | 564.9  | 599.3  | 556.0  | 502.9  | 443.8  |
| 15251.1 | 72.5° | 10851.0 | 5823.1 | 660.4  | 496.0  | 503.9  | 494.0  | 522.6  | 486.2  | 437.9  | 398.6  |
| 13144.1 | 75°   | 8749.9  | 4270.1 | 480.3  | 420.2  | 434.0  | 417.3  | 443.8  | 418.3  | 376.9  | 375.9  |
| 9057.9  | 77.5° | 6012.1  | 2640.4 | 348.4  | 346.4  | 356.3  | 334.6  | 365.1  | 351.3  | 313.9  | 297.2  |
| 3942.4  | 80°   | 2565.6  | 1053.0 | 253.9  | 267.7  | 267.7  | 248.0  | 283.4  | 287.4  | 254.9  | 247.0  |
| 760.7   | 82.5° | 510.8   | 299.2  | 178.1  | 184.0  | 173.2  | 167.3  | 200.8  | 222.4  | 307.0  | 341.5  |
| 229.3   | 85°   | 153.5   | 110.2  | 107.3  | 100.4  | 88.6   | 89.6   | 118.1  | 223.4  | 275.6  | 157.5  |
| 75.8    | 87.5° | 42.3    | 27.6   | 28.5   | 22.6   | 18.7   | 24.6   | 40.3   | 169.3  | 92.5   | 39.4   |
| 0.0     | 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O



| 180°   |
|--------|
| 3734.8 |
| 3615.7 |
| 3299.8 |
| 2787.1 |
| 2225.1 |
| 1864.9 |
| 1630.7 |
| 1560.8 |
| 1533.3 |
| 1470.3 |
| 1398.5 |
| 1360.1 |
| 1340.4 |
| 1306.9 |
| 1204.6 |
| 1080.6 |
| 947.7  |
| 893.6  |
| 857.2  |
| 828.6  |
| 812.9  |
| 783.4  |
| 733.2  |
| 688.9  |
| 639.7  |
| 587.5  |
| 535.4  |
| 488.1  |
| 441.9  |
| 386.8  |
| 338.5  |
| 278.5  |
| 247.0  |
| 342.5  |
| 135.8  |
| 33.5   |
| 0.0    |

F REPORT)