

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: P949930

Luminaire Tested: **GLAN-SB4C-740-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949930  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-740-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32599 lumens  
Efficiency: N/A  
Efficacy: 162.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

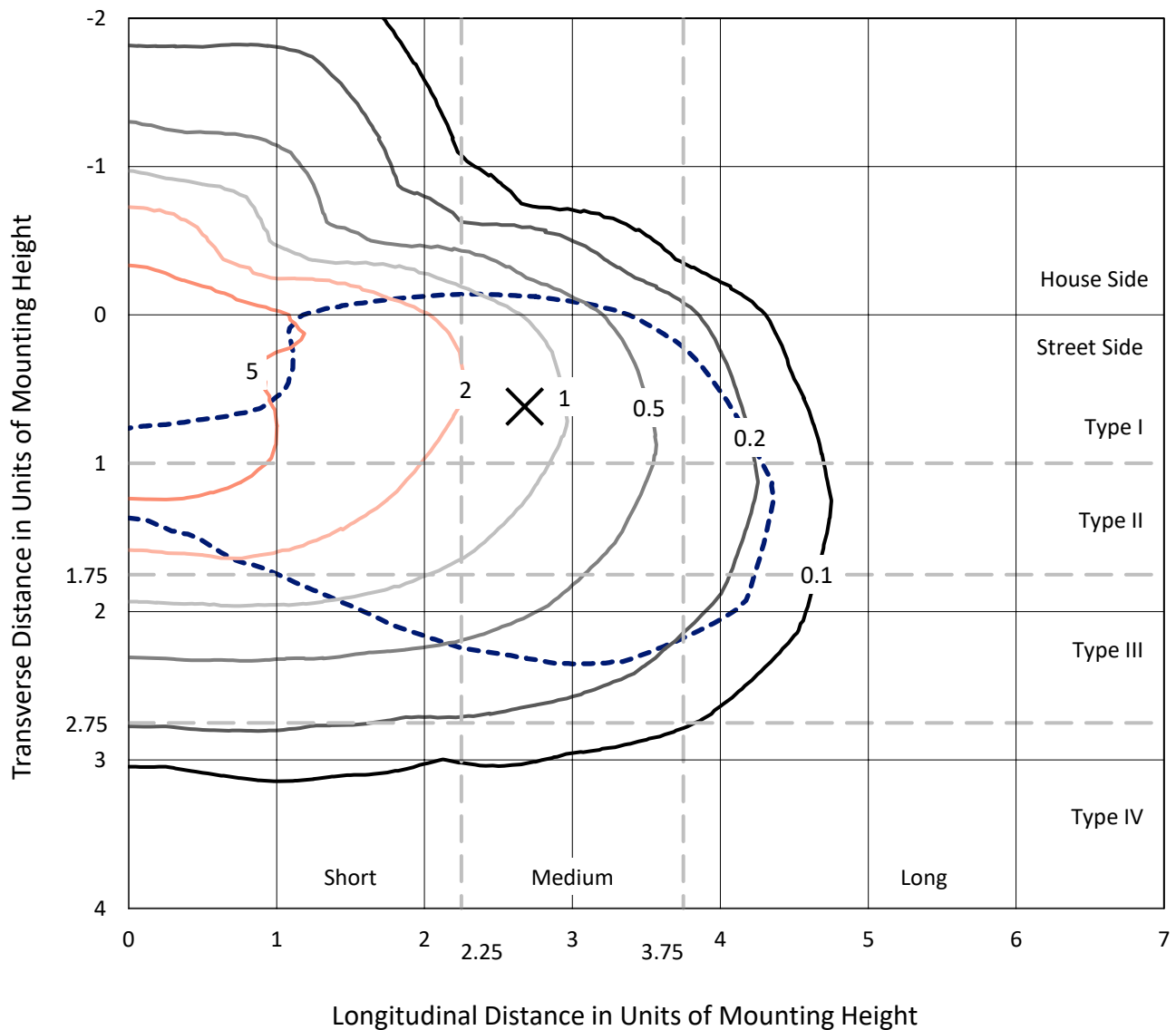
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P949930  
CATALOG NUMBER: GLAN-SB4C-740-U-T3R

## Iso-Footcandle Lines of Horizontal Illumination

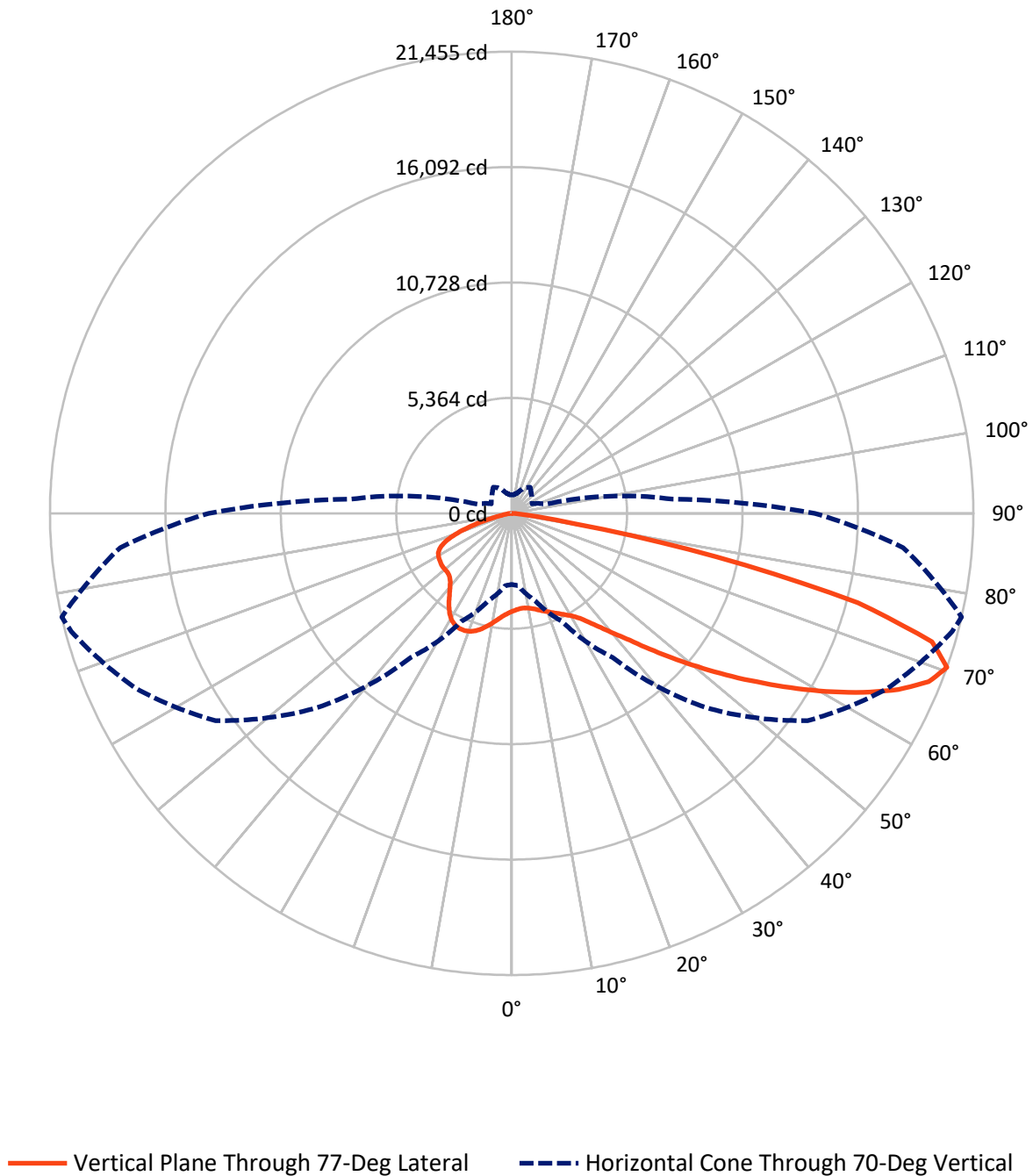
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
Type III - Medium - N/A

REPORT NUMBER: P949930  
CATALOG NUMBER: GLAN-SB4C-740-U-T3R

## Luminous Intensity Polar Plot



REPORT NUMBER: P949930

CATALOG NUMBER: GLAN-SB4C-740-U-T3R

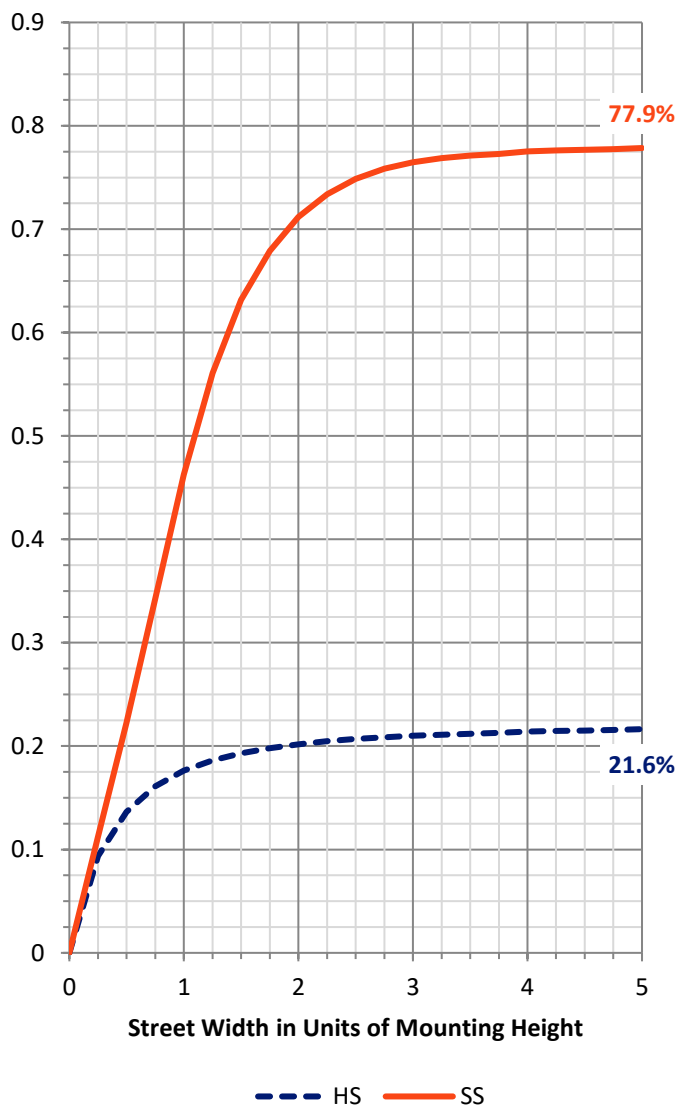
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7138.7   | 0.0    | 7138.7  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 25460.3  | 0.0    | 25460.3 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 32599.0  | 0.0    | 32599.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 433.7   | 1.3       |
| 10°-20°   | 1251.8  | 3.8       |
| 20°-30°   | 2140.8  | 6.6       |
| 30°-40°   | 3442.6  | 10.6      |
| 40°-50°   | 5374.8  | 16.5      |
| 50°-60°   | 7179.5  | 22.0      |
| 60°-70°   | 7652.2  | 23.5      |
| 70°-80°   | 4710.7  | 14.5      |
| 80°-90°   | 412.8   | 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°    | 32599.0 | 100.0     |
| 0°-180°   | 32599.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P949930

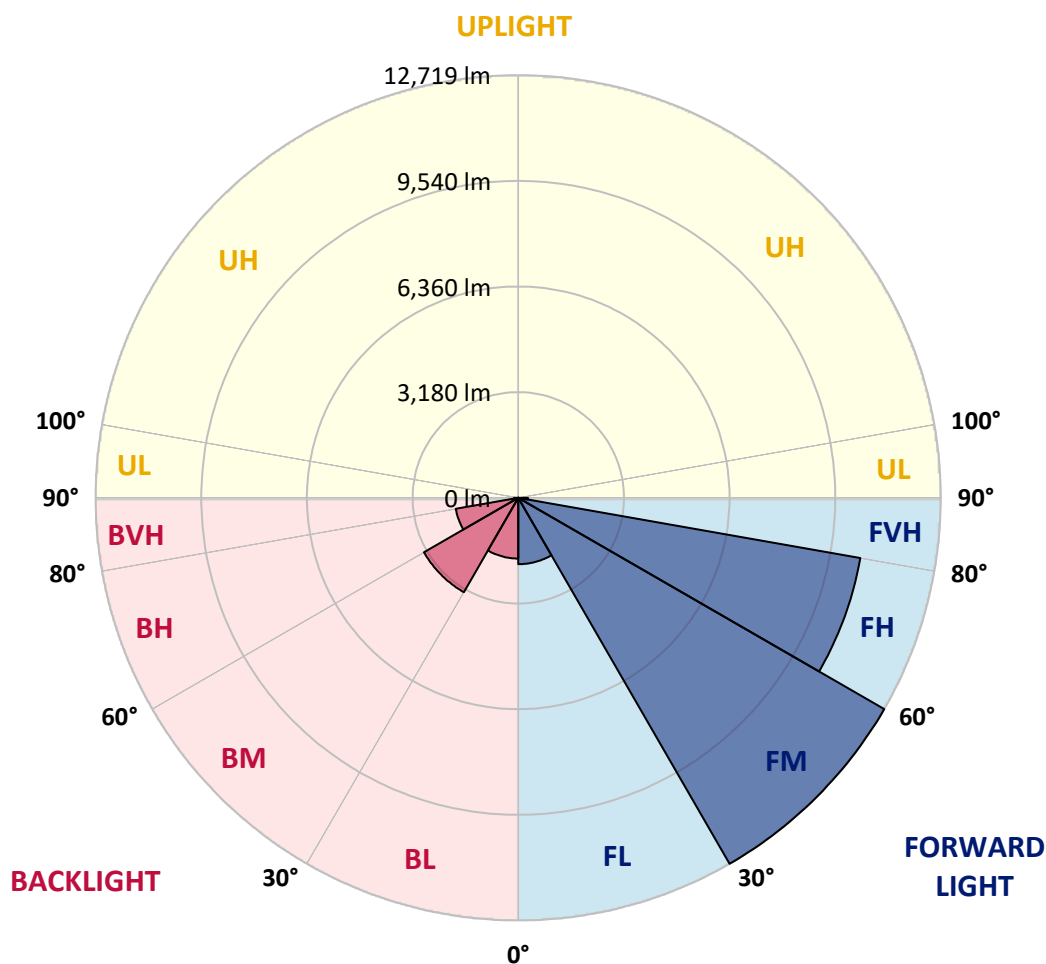
CATALOG NUMBER: GLAN-SB4C-740-U-T3R

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1997.2  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 12719.4 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 10455.0 | 32.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 288.6   | 0.9       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1829.2  | 5.6       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3277.5  | 10.1      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1907.9  | 5.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 124.1   | 0.4       |                         |      | 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 III Medium



REPORT NUMBER: P949930

CATALOG NUMBER: GLAN-SB4C-740-U-T3R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4547.9  | 4547.9  | 4547.9  | 4547.9  | 4547.9  | 4547.9  | 4547.9  | 4547.9  | 4547.9  | 4547.9  |
| 2.5°  | 4192.2  | 4190.6  | 4212.3  | 4219.0  | 4259.0  | 4287.4  | 4340.8  | 4397.6  | 4471.1  | 4479.4  |
| 5°    | 3950.2  | 3950.2  | 3975.2  | 4001.9  | 4053.7  | 4110.4  | 4192.2  | 4290.7  | 4417.6  | 4437.7  |
| 7.5°  | 3744.8  | 3758.2  | 3779.9  | 3831.6  | 3891.7  | 3973.5  | 4098.7  | 4239.0  | 4405.9  | 4437.7  |
| 10°   | 3579.5  | 3594.5  | 3621.3  | 3663.0  | 3753.2  | 3866.7  | 4030.3  | 4210.6  | 4434.3  | 4484.4  |
| 12.5° | 3527.8  | 3542.8  | 3557.8  | 3589.5  | 3673.0  | 3806.6  | 4001.9  | 4224.0  | 4502.8  | 4552.9  |
| 15°   | 3648.0  | 3666.3  | 3654.6  | 3646.3  | 3689.7  | 3811.6  | 4015.3  | 4272.4  | 4587.9  | 4659.7  |
| 17.5° | 3925.1  | 3931.8  | 3905.1  | 3826.6  | 3819.9  | 3885.0  | 4078.7  | 4339.2  | 4694.8  | 4773.2  |
| 20°   | 4372.6  | 4360.9  | 4305.8  | 4150.5  | 4062.0  | 4048.7  | 4187.2  | 4439.3  | 4805.0  | 4888.4  |
| 22.5° | 4980.3  | 4966.9  | 4856.7  | 4611.3  | 4414.3  | 4284.1  | 4344.2  | 4569.6  | 4928.5  | 5022.0  |
| 25°   | 5738.2  | 5719.9  | 5557.9  | 5224.0  | 4918.5  | 4596.3  | 4557.9  | 4741.5  | 5080.4  | 5167.3  |
| 27.5° | 6623.1  | 6608.1  | 6432.8  | 5992.0  | 5551.3  | 5023.7  | 4823.3  | 4943.5  | 5239.1  | 5337.6  |
| 30°   | 7574.8  | 7618.2  | 7307.6  | 6833.5  | 6275.8  | 5581.3  | 5180.6  | 5192.3  | 5444.4  | 5532.9  |
| 32.5° | 8693.4  | 8768.5  | 8394.5  | 7793.5  | 7032.2  | 6187.4  | 5631.4  | 5539.6  | 5743.3  | 5816.7  |
| 35°   | 9801.9  | 9887.1  | 9576.5  | 8912.1  | 8035.6  | 6901.9  | 6102.2  | 5938.6  | 6140.6  | 6220.7  |
| 37.5° | 10760.3 | 10873.8 | 10713.5 | 10135.8 | 9109.1  | 7763.4  | 6716.6  | 6407.7  | 6629.8  | 6730.0  |
| 40°   | 11516.6 | 11690.2 | 11678.5 | 11317.9 | 10374.6 | 8808.6  | 7496.3  | 6987.1  | 7237.5  | 7346.0  |
| 42.5° | 12131.0 | 12281.2 | 12411.4 | 12393.1 | 11695.2 | 9995.6  | 8412.9  | 7740.0  | 7930.4  | 8055.6  |
| 45°   | 12555.0 | 12715.3 | 12995.8 | 13298.0 | 12965.7 | 11266.1 | 9463.0  | 8633.3  | 8806.9  | 8995.5  |
| 47.5° | 12934.0 | 13116.0 | 13480.0 | 13959.1 | 14044.3 | 12541.7 | 10613.3 | 9673.4  | 9832.0  | 10027.3 |
| 50°   | 12967.4 | 13124.3 | 13688.7 | 14368.2 | 14810.6 | 13767.1 | 11848.8 | 10840.4 | 10989.0 | 11197.7 |
| 52.5° | 12161.0 | 12408.1 | 13393.1 | 14356.5 | 15162.9 | 14792.2 | 13075.9 | 12054.2 | 12221.1 | 12471.5 |
| 55°   | 9439.6  | 9801.9  | 12526.6 | 13909.0 | 15037.6 | 15455.0 | 14242.9 | 13344.7 | 13558.4 | 13820.5 |
| 57.5° | 8130.7  | 8289.3  | 9943.8  | 13094.3 | 14466.7 | 15627.0 | 15228.0 | 14648.6 | 14992.6 | 15279.7 |
| 60°   | 7307.6  | 7439.5  | 8417.9  | 11827.1 | 13715.4 | 15354.9 | 15989.3 | 15864.1 | 16458.4 | 16800.7 |
| 62.5° | 6426.1  | 6551.3  | 7441.2  | 9875.4  | 12753.7 | 14902.4 | 16470.1 | 16986.0 | 17961.0 | 18335.0 |
| 65°   | 5551.3  | 5658.1  | 6511.3  | 8297.7  | 11531.6 | 14450.0 | 16718.9 | 17956.0 | 19351.8 | 19739.1 |
| 67.5° | 4576.2  | 4664.7  | 5471.1  | 7000.4  | 10045.7 | 13830.6 | 16842.4 | 18719.0 | 20562.2 | 20894.4 |
| 70°   | 3302.4  | 3370.8  | 4203.9  | 5536.2  | 8180.8  | 12765.4 | 16792.3 | 19259.9 | 21189.9 | 21455.4 |
| 72.5° | 1561.0  | 1622.8  | 2601.2  | 3594.5  | 5778.3  | 10691.8 | 15778.9 | 18830.9 | 20552.2 | 20420.3 |
| 75°   | 833.1   | 886.5   | 1494.2  | 1971.7  | 3051.9  | 7329.3  | 12912.3 | 16221.4 | 17258.2 | 16617.0 |
| 77.5° | 564.3   | 606.0   | 924.9   | 1183.7  | 1394.1  | 3479.3  | 8299.3  | 11231.1 | 10805.3 | 9746.8  |
| 80°   | 447.4   | 490.8   | 758.0   | 801.4   | 674.5   | 1257.2  | 3429.3  | 5199.0  | 3734.8  | 2986.8  |
| 82.5° | 343.9   | 392.3   | 637.8   | 581.0   | 367.3   | 515.9   | 998.4   | 1644.5  | 956.7   | 727.9   |
| 85°   | 210.4   | 262.1   | 500.9   | 370.6   | 207.0   | 235.4   | 338.9   | 457.5   | 292.2   | 243.8   |
| 87.5° | 106.9   | 150.3   | 253.8   | 135.2   | 93.5    | 55.1    | 90.2    | 90.2    | 76.8    | 66.8    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P949930

CATALOG NUMBER: GLAN-SB4C-740-U-T3R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4547.9  | 0°    | 4547.9  | 4547.9 | 4547.9 | 4547.9 | 4547.9 | 4547.9 | 4547.9 | 4547.9 | 4547.9 | 4547.9 |
| 4524.5  | 2.5°  | 4564.6  | 4597.9 | 4654.7 | 4708.1 | 4749.9 | 4789.9 | 4830.0 | 4851.7 | 4858.4 | 4885.1 |
| 4549.5  | 5°    | 4618.0  | 4679.8 | 4789.9 | 4893.5 | 4958.6 | 4998.6 | 5027.0 | 5043.7 | 5047.1 | 5055.4 |
| 4618.0  | 7.5°  | 4716.5  | 4815.0 | 4968.6 | 5072.1 | 5120.5 | 5117.2 | 5105.5 | 5063.7 | 5047.1 | 5032.0 |
| 4718.2  | 10°   | 4855.1  | 4985.3 | 5173.9 | 5245.7 | 5215.7 | 5135.5 | 5032.0 | 4910.2 | 4853.4 | 4798.3 |
| 4855.1  | 12.5° | 5027.0  | 5192.3 | 5377.6 | 5374.3 | 5225.7 | 5020.3 | 4779.9 | 4592.9 | 4474.4 | 4389.3 |
| 5023.7  | 15°   | 5235.7  | 5426.0 | 5568.0 | 5454.4 | 5128.9 | 4759.9 | 4407.6 | 4163.9 | 4057.0 | 3963.5 |
| 5194.0  | 17.5° | 5451.1  | 5654.8 | 5719.9 | 5429.4 | 4885.1 | 4374.2 | 3975.2 | 3783.2 | 3678.0 | 3627.9 |
| 5377.6  | 20°   | 5661.4  | 5863.5 | 5810.0 | 5285.8 | 4514.5 | 3936.8 | 3581.2 | 3476.0 | 3454.3 | 3466.0 |
| 5556.3  | 22.5° | 5883.5  | 6063.8 | 5828.4 | 5008.7 | 4042.0 | 3489.4 | 3294.0 | 3297.4 | 3345.8 | 3380.8 |
| 5743.3  | 25°   | 6110.6  | 6232.4 | 5780.0 | 4608.0 | 3534.4 | 3160.5 | 3112.0 | 3165.5 | 3260.6 | 3329.1 |
| 5953.6  | 27.5° | 6329.3  | 6382.7 | 5674.8 | 4112.1 | 3098.7 | 2925.1 | 2933.4 | 3043.6 | 3187.2 | 3282.3 |
| 6209.1  | 30°   | 6576.4  | 6516.3 | 5472.8 | 3554.5 | 2796.5 | 2723.0 | 2793.2 | 2921.7 | 3065.3 | 3150.4 |
| 6531.3  | 32.5° | 6855.2  | 6631.5 | 5152.2 | 3038.6 | 2582.8 | 2561.1 | 2676.3 | 2759.8 | 2823.2 | 2848.3 |
| 6958.7  | 35°   | 7202.4  | 6793.4 | 4741.5 | 2676.3 | 2390.8 | 2442.6 | 2552.7 | 2511.0 | 2486.0 | 2472.6 |
| 7533.0  | 37.5° | 7653.2  | 7012.1 | 4260.7 | 2440.9 | 2235.5 | 2357.4 | 2402.5 | 2272.3 | 2173.8 | 2125.3 |
| 8229.2  | 40°   | 8195.8  | 7332.7 | 3798.2 | 2258.9 | 2137.0 | 2283.9 | 2205.5 | 2048.5 | 1923.3 | 1854.9 |
| 9012.2  | 42.5° | 8798.5  | 7668.2 | 3409.2 | 2122.0 | 2081.9 | 2223.8 | 2060.2 | 1873.2 | 1671.2 | 1649.5 |
| 9945.5  | 45°   | 9431.3  | 8013.8 | 3143.8 | 2016.8 | 2055.2 | 2172.1 | 1976.7 | 1674.6 | 1531.0 | 1619.5 |
| 10882.1 | 47.5° | 10064.1 | 8331.1 | 2983.5 | 1938.3 | 2041.9 | 2113.7 | 1903.3 | 1564.4 | 1462.5 | 1591.1 |
| 11885.5 | 50°   | 10768.6 | 8614.9 | 2911.7 | 1881.6 | 2026.8 | 2090.3 | 1793.1 | 1536.0 | 1390.7 | 1475.9 |
| 12924.0 | 52.5° | 11468.1 | 8835.3 | 2858.3 | 1824.8 | 2005.1 | 2071.9 | 1739.7 | 1502.6 | 1303.9 | 1308.9 |
| 13969.1 | 55°   | 12166.0 | 8978.8 | 2799.8 | 1749.7 | 1956.7 | 2031.8 | 1734.7 | 1465.9 | 1238.8 | 1215.4 |
| 15074.4 | 57.5° | 12910.6 | 9060.7 | 2728.0 | 1666.2 | 1873.2 | 1930.0 | 1729.7 | 1437.5 | 1218.8 | 1180.4 |
| 16204.7 | 60°   | 13668.6 | 9180.9 | 2634.6 | 1564.4 | 1761.4 | 1808.1 | 1718.0 | 1427.5 | 1207.1 | 1142.0 |
| 17269.8 | 62.5° | 14348.1 | 9222.6 | 2522.7 | 1467.5 | 1617.8 | 1687.9 | 1692.9 | 1419.1 | 1175.4 | 1063.5 |
| 18154.7 | 65°   | 14793.9 | 9042.3 | 2327.4 | 1357.3 | 1462.5 | 1564.4 | 1644.5 | 1390.7 | 1118.6 | 1006.7 |
| 18592.1 | 67.5° | 14775.5 | 8528.1 | 2021.8 | 1215.4 | 1312.3 | 1427.5 | 1574.4 | 1342.3 | 1050.1 | 936.6  |
| 18261.6 | 70°   | 14087.7 | 7513.0 | 1634.5 | 1050.1 | 1147.0 | 1280.5 | 1484.2 | 1270.5 | 968.3  | 859.8  |
| 16238.1 | 72.5° | 12082.5 | 5880.2 | 1187.1 | 856.5  | 955.0  | 1128.6 | 1367.4 | 1183.7 | 884.9  | 791.4  |
| 12000.7 | 75°   | 8631.6  | 3721.4 | 804.7  | 657.8  | 743.0  | 956.7  | 1222.1 | 1081.9 | 808.1  | 794.7  |
| 6010.4  | 77.5° | 4409.3  | 1778.1 | 532.6  | 480.8  | 517.6  | 754.6  | 1026.8 | 966.7  | 819.7  | 656.1  |
| 1709.6  | 80°   | 1434.1  | 656.1  | 335.6  | 327.2  | 343.9  | 502.5  | 794.7  | 793.0  | 621.1  | 445.8  |
| 414.0   | 82.5° | 457.5   | 282.2  | 218.7  | 210.4  | 202.0  | 315.5  | 554.3  | 627.8  | 419.1  | 282.2  |
| 148.6   | 85°   | 182.0   | 168.6  | 128.6  | 118.5  | 85.1   | 148.6  | 290.5  | 417.4  | 312.2  | 203.7  |
| 38.4    | 87.5° | 66.8    | 66.8   | 35.1   | 25.0   | 18.4   | 50.1   | 78.5   | 125.2  | 178.6  | 105.2  |
| 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°   |
|--------|
| 4547.9 |
| 4900.1 |
| 5068.8 |
| 5035.4 |
| 4781.6 |
| 4369.2 |
| 3953.5 |
| 3643.0 |
| 3461.0 |
| 3389.2 |
| 3347.5 |
| 3305.7 |
| 3170.5 |
| 2861.6 |
| 2486.0 |
| 2137.0 |
| 1859.9 |
| 1671.2 |
| 1666.2 |
| 1651.2 |
| 1539.3 |
| 1344.0 |
| 1232.1 |
| 1185.4 |
| 1147.0 |
| 1063.5 |
| 1006.7 |
| 941.6  |
| 869.8  |
| 786.4  |
| 749.6  |
| 584.3  |
| 394.0  |
| 280.5  |
| 208.7  |
| 103.5  |
| 0.0    |