

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: P951395

Luminaire Tested: **GLAN-SB5C-760-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951395  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-760-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 33887 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4

Input Watts (W): 249.5  
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

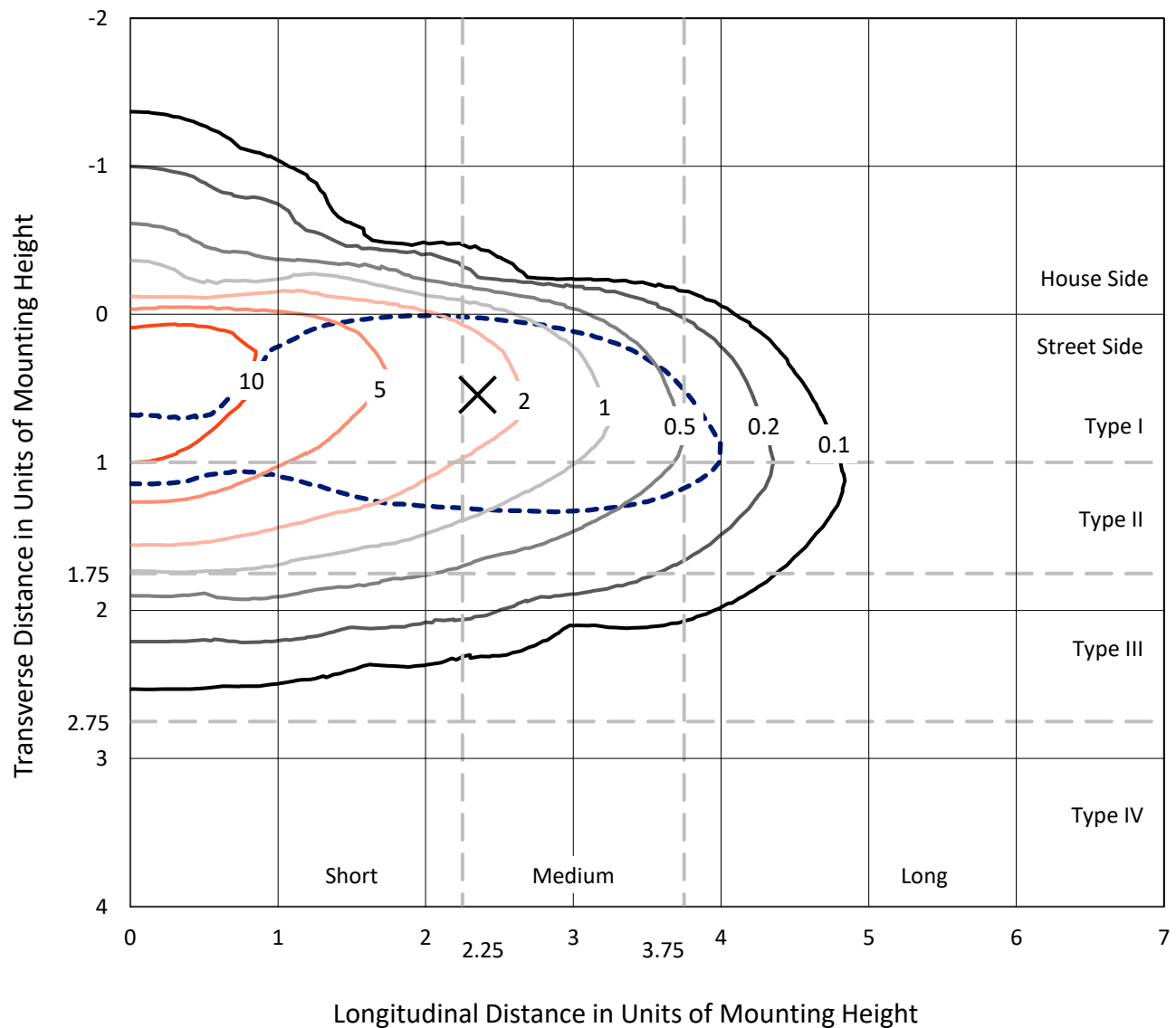


REPORT NUMBER: P951395

CATALOG NUMBER: GLAN-SB5C-760-U-T2R-HSS

## Iso-Footcandle Lines of Horizontal Illumination

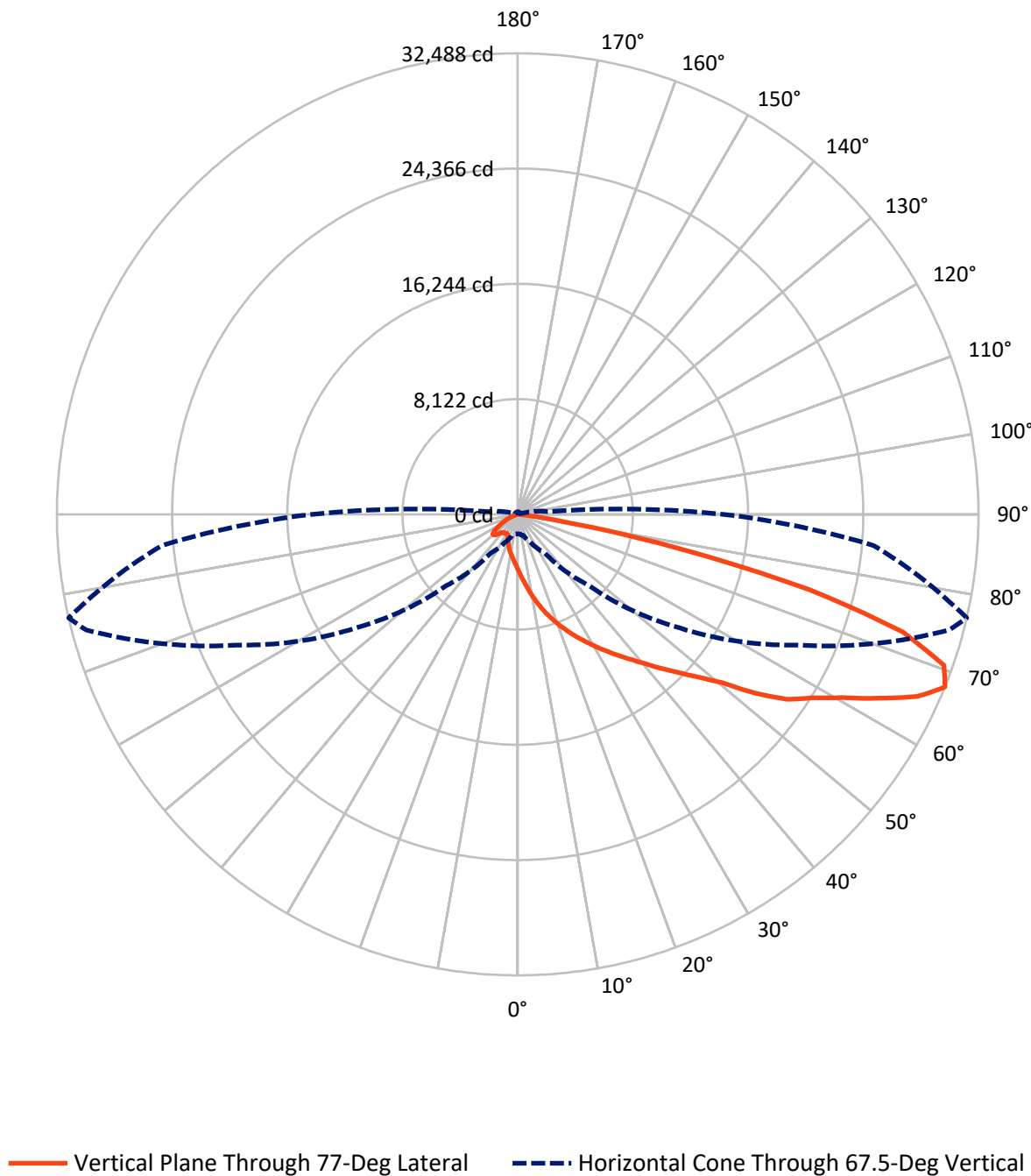
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc  
Type II - Medium - N/A

REPORT NUMBER: P951395  
CATALOG NUMBER: GLAN-SB5C-760-U-T2R-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P951395

CATALOG NUMBER: GLAN-SB5C-760-U-T2R-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2493.1   | 0.0    | 2493.1  |
|                    | % Fixture | 7.4      | 0.0    | 7.4     |
| <b>Street Side</b> | Lumens    | 31393.9  | 0.0    | 31393.9 |
|                    | % Fixture | 92.6     | 0.0    | 92.6    |
| <b>Total</b>       | Lumens    | 33887.0  | 0.0    | 33887.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 398.8   | 1.2       |
| 10°-20°   | 1396.7  | 4.1       |
| 20°-30°   | 2695.2  | 8.0       |
| 30°-40°   | 4679.1  | 13.8      |
| 40°-50°   | 6793.8  | 20.0      |
| 50°-60°   | 7801.8  | 23.0      |
| 60°-70°   | 6773.4  | 20.0      |
| 70°-80°   | 3190.4  | 9.4       |
| 80°-90°   | 157.8   | 0.5       |
| 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°    | 33887.0 | 100.0     |
| 0°-180°   | 33887.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P951395

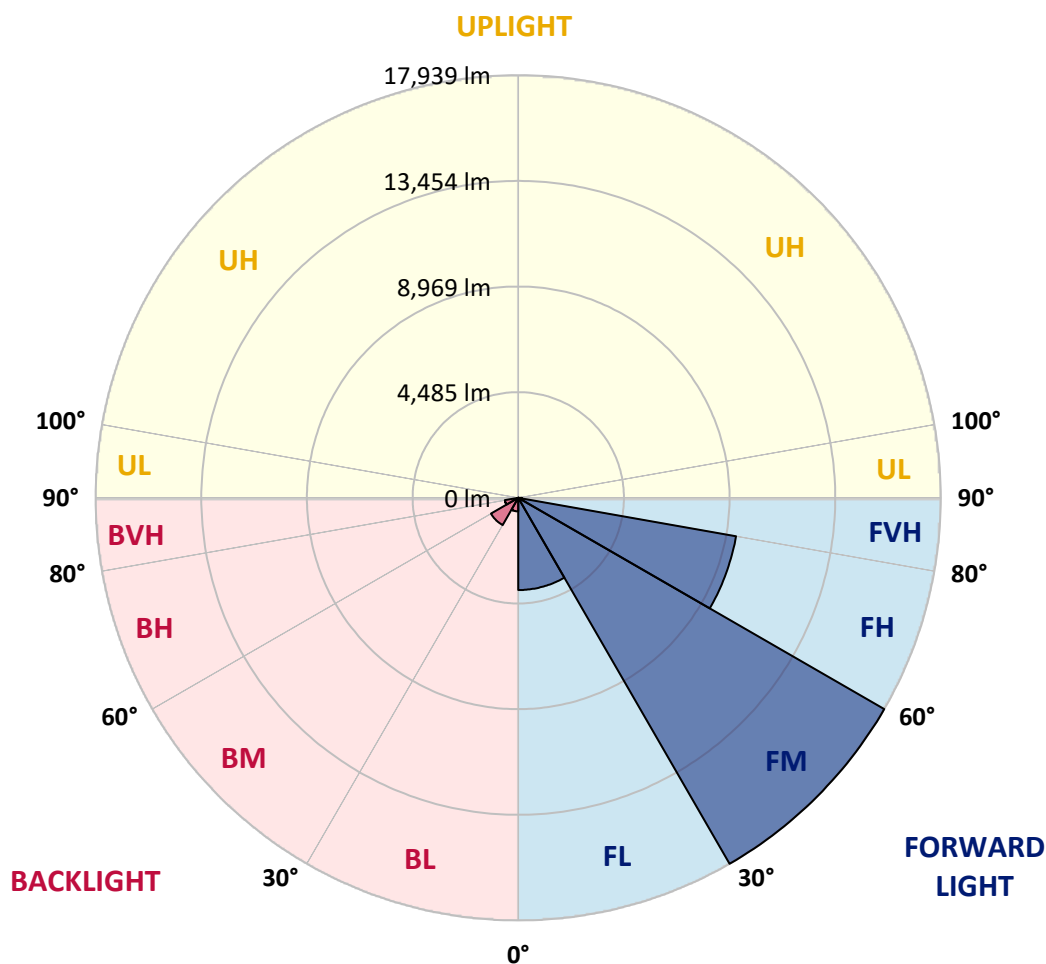
CATALOG NUMBER: GLAN-SB5C-760-U-T2R-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3913.6  | 11.5      |                         |      |          |
| FM   | (30°-60°)   | 17938.9 | 52.9      |                         |      |          |
| FH   | (60°-80°)   | 9386.6  | 27.7      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 154.9   | 0.5       |                         |      | G2/225   |
| BL   | (0°-30°)    | 577.2   | 1.7       | B2/1000                 |      |          |
| BM   | (30°-60°)   | 1335.8  | 3.9       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 577.2   | 1.7       | B2/1000                 |      | G2/1000  |
| BVH  | (80°-90°)   | 2.9     | 0.0       |                         |      | G0/10    |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B2-U0-G4**

Type II Medium



REPORT NUMBER: P951395

CATALOG NUMBER: GLAN-SB5C-760-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3907.7  | 3907.7  | 3907.7  | 3907.7  | 3907.7  | 3907.7  | 3907.7  | 3907.7  | 3907.7  | 3907.7  |
| 2.5°  | 5410.1  | 5443.8  | 5395.4  | 5302.8  | 5163.9  | 5073.4  | 4852.5  | 4644.2  | 4412.7  | 4339.0  |
| 5°    | 6594.8  | 6624.3  | 6569.6  | 6468.6  | 6283.4  | 6106.7  | 5816.3  | 5380.7  | 4928.3  | 4783.1  |
| 7.5°  | 7472.3  | 7489.2  | 7468.1  | 7375.5  | 7198.8  | 6998.9  | 6674.8  | 6159.3  | 5488.0  | 5328.1  |
| 10°   | 8103.6  | 8158.3  | 8152.0  | 8116.3  | 7998.4  | 7836.4  | 7491.3  | 6904.2  | 6115.1  | 5908.9  |
| 12.5° | 8522.4  | 8583.4  | 8619.2  | 8699.1  | 8692.8  | 8589.7  | 8286.7  | 7665.9  | 6740.0  | 6498.1  |
| 15°   | 8644.4  | 8709.7  | 8846.4  | 9031.6  | 9195.8  | 9248.4  | 9035.8  | 8413.0  | 7428.1  | 7118.8  |
| 17.5° | 8575.0  | 8676.0  | 8840.1  | 9132.6  | 9492.5  | 9730.2  | 9707.1  | 9134.7  | 8053.1  | 7699.6  |
| 20°   | 8728.6  | 8825.4  | 8953.8  | 9200.0  | 9618.7  | 10050.1 | 10222.6 | 9824.9  | 8673.9  | 8303.5  |
| 22.5° | 9578.7  | 9561.9  | 9574.5  | 9614.5  | 9864.9  | 10292.1 | 10647.7 | 10452.0 | 9288.3  | 8909.6  |
| 25°   | 10925.5 | 10849.7 | 10721.4 | 10504.6 | 10441.5 | 10647.7 | 11018.1 | 11007.5 | 9936.5  | 9530.3  |
| 27.5° | 12470.0 | 12457.4 | 12156.5 | 11634.6 | 11340.0 | 11260.1 | 11436.8 | 11548.4 | 10578.3 | 10144.8 |
| 30°   | 13949.3 | 13983.0 | 13576.9 | 12996.1 | 12455.3 | 12141.8 | 11981.8 | 12061.8 | 11230.6 | 10807.6 |
| 32.5° | 15237.2 | 15272.9 | 14831.0 | 14151.4 | 13482.2 | 13103.4 | 12766.7 | 12568.9 | 11941.9 | 11481.0 |
| 35°   | 16325.1 | 16360.9 | 15853.7 | 15102.5 | 14389.1 | 14046.1 | 13665.3 | 13124.5 | 12657.3 | 12228.0 |
| 37.5° | 17297.3 | 17286.8 | 16607.1 | 15849.5 | 15148.8 | 14877.3 | 14677.4 | 13808.4 | 13393.8 | 12979.3 |
| 40°   | 17871.7 | 17915.9 | 17335.2 | 16499.7 | 15820.1 | 15622.3 | 15609.6 | 14656.4 | 14243.9 | 13842.0 |
| 42.5° | 18040.1 | 18117.9 | 17697.1 | 17011.1 | 16394.5 | 16179.9 | 16510.3 | 15573.9 | 15233.0 | 14841.6 |
| 45°   | 17737.1 | 17812.8 | 17621.3 | 17145.8 | 16785.9 | 16647.0 | 17284.6 | 16525.0 | 16289.3 | 15902.1 |
| 47.5° | 16853.3 | 16948.0 | 16994.3 | 16893.3 | 16889.0 | 17030.0 | 17979.1 | 17526.6 | 17543.5 | 17147.9 |
| 50°   | 15142.5 | 15302.4 | 15727.5 | 16085.2 | 16638.6 | 17333.0 | 18654.5 | 18612.5 | 18957.6 | 18616.7 |
| 52.5° | 12032.3 | 12259.6 | 13724.2 | 14702.7 | 15946.3 | 17276.2 | 19397.4 | 20354.8 | 21438.5 | 20939.8 |
| 55°   | 9669.2  | 9669.2  | 10860.2 | 12691.0 | 14595.4 | 16901.7 | 19721.4 | 21486.9 | 23128.3 | 23010.4 |
| 57.5° | 7882.7  | 7977.4  | 8737.0  | 10355.2 | 12640.5 | 16009.4 | 19921.3 | 22198.2 | 24489.7 | 24403.5 |
| 60°   | 4865.1  | 5069.2  | 6504.4  | 8101.5  | 10416.2 | 14420.7 | 19795.1 | 22917.8 | 26141.6 | 26211.1 |
| 62.5° | 2739.8  | 2815.5  | 3455.2  | 5828.9  | 8099.4  | 12284.9 | 18829.2 | 23319.8 | 28254.3 | 28548.9 |
| 65°   | 1891.8  | 1929.6  | 2175.8  | 3627.8  | 5614.2  | 9780.7  | 16941.7 | 23069.3 | 30371.2 | 30966.8 |
| 67.5° | 1374.1  | 1393.0  | 1546.7  | 2215.8  | 3331.1  | 7091.5  | 13983.0 | 21806.8 | 31492.8 | 32488.2 |
| 70°   | 1056.4  | 1069.0  | 1180.5  | 1456.2  | 1967.5  | 4376.9  | 10155.3 | 19296.4 | 30680.6 | 31869.5 |
| 72.5° | 858.6   | 871.2   | 957.5   | 1077.4  | 1304.7  | 2588.3  | 6155.1  | 15670.7 | 27094.9 | 28378.5 |
| 75°   | 723.9   | 740.7   | 818.6   | 896.4   | 1022.7  | 1662.4  | 2887.1  | 10912.9 | 20375.9 | 21217.6 |
| 77.5° | 401.9   | 370.4   | 665.0   | 742.8   | 862.8   | 1052.1  | 1351.0  | 6422.3  | 11411.6 | 11645.1 |
| 80°   | 250.4   | 258.8   | 528.2   | 597.6   | 662.9   | 530.3   | 618.7   | 2472.5  | 3956.1  | 3758.3  |
| 82.5° | 14.7    | 33.7    | 406.1   | 431.4   | 454.5   | 227.3   | 233.6   | 839.6   | 953.2   | 875.4   |
| 85°   | 0.0     | 0.0     | 185.2   | 149.4   | 157.8   | 65.2    | 67.3    | 195.7   | 128.4   | 138.9   |
| 87.5° | 0.0     | 0.0     | 0.0     | 4.2     | 0.0     | 6.3     | 12.6    | 16.8    | 6.3     | 8.4     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P951395

CATALOG NUMBER: GLAN-SB5C-760-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3907.7  | 0°    | 3907.7  | 3907.7 | 3907.7 | 3907.7 | 3907.7 | 3907.7 | 3907.7 | 3907.7 | 3907.7 | 3907.7 |
| 4107.6  | 2.5°  | 3960.3  | 3813.0 | 3514.2 | 3221.7 | 2983.9 | 2762.9 | 2605.1 | 2455.7 | 2380.0 | 2375.7 |
| 4372.7  | 5°    | 4080.2  | 3770.9 | 3173.3 | 2645.1 | 2220.0 | 1879.1 | 1658.2 | 1500.4 | 1420.4 | 1393.0 |
| 4698.9  | 7.5°  | 4248.6  | 3783.5 | 2874.5 | 2140.1 | 1639.2 | 1346.7 | 1220.5 | 1170.0 | 1153.2 | 1134.2 |
| 5067.1  | 10°   | 4461.1  | 3813.0 | 2607.2 | 1723.4 | 1292.0 | 1144.7 | 1094.2 | 1073.2 | 1060.6 | 1047.9 |
| 5481.7  | 12.5° | 4698.9  | 3840.3 | 2342.1 | 1430.9 | 1136.3 | 1060.6 | 1024.8 | 999.5  | 982.7  | 968.0  |
| 5906.7  | 15°   | 4930.4  | 3857.2 | 2066.4 | 1226.8 | 1056.4 | 995.3  | 957.5  | 930.1  | 906.9  | 890.1  |
| 6323.4  | 17.5° | 5159.7  | 3880.3 | 1807.6 | 1104.8 | 991.1  | 930.1  | 892.2  | 858.6  | 839.6  | 820.7  |
| 6761.1  | 20°   | 5414.3  | 3876.1 | 1563.5 | 1018.5 | 925.9  | 864.9  | 824.9  | 793.3  | 774.4  | 753.3  |
| 7224.0  | 22.5° | 5650.0  | 3855.1 | 1348.9 | 944.8  | 858.6  | 799.6  | 755.4  | 723.9  | 704.9  | 688.1  |
| 7697.5  | 25°   | 5921.5  | 3838.2 | 1170.0 | 877.5  | 795.4  | 736.5  | 688.1  | 658.6  | 637.6  | 622.9  |
| 8173.1  | 27.5° | 6182.4  | 3813.0 | 1039.5 | 816.5  | 734.4  | 677.6  | 631.3  | 597.6  | 578.7  | 568.2  |
| 8663.4  | 30°   | 6439.1  | 3806.7 | 991.1  | 757.5  | 679.7  | 622.9  | 576.6  | 545.0  | 530.3  | 526.1  |
| 9202.1  | 32.5° | 6748.5  | 3823.5 | 1012.2 | 736.5  | 629.2  | 572.4  | 528.2  | 505.0  | 490.3  | 490.3  |
| 9801.8  | 35°   | 7078.8  | 3819.3 | 1043.7 | 755.4  | 595.5  | 521.9  | 488.2  | 473.5  | 458.7  | 458.7  |
| 10466.7 | 37.5° | 7493.4  | 3825.6 | 1069.0 | 787.0  | 582.9  | 479.8  | 460.8  | 441.9  | 433.5  | 433.5  |
| 11194.8 | 40°   | 8112.0  | 4033.9 | 1056.4 | 814.4  | 578.7  | 450.3  | 412.4  | 406.1  | 399.8  | 399.8  |
| 12017.6 | 42.5° | 8869.6  | 4486.3 | 1073.2 | 816.5  | 576.6  | 429.3  | 378.8  | 391.4  | 376.7  | 374.6  |
| 12945.6 | 45°   | 9698.7  | 4980.9 | 1180.5 | 772.3  | 574.5  | 418.8  | 361.9  | 376.7  | 353.5  | 353.5  |
| 14020.9 | 47.5° | 10521.5 | 5471.2 | 1289.9 | 709.1  | 568.2  | 416.6  | 347.2  | 338.8  | 332.5  | 334.6  |
| 15422.4 | 50°   | 11655.7 | 5871.0 | 1332.0 | 622.9  | 553.4  | 412.4  | 319.9  | 322.0  | 317.7  | 322.0  |
| 17398.3 | 52.5° | 12890.9 | 5955.1 | 1281.5 | 526.1  | 511.3  | 399.8  | 300.9  | 309.3  | 307.2  | 311.4  |
| 18789.2 | 55°   | 13661.1 | 5864.7 | 1058.5 | 437.7  | 446.1  | 349.3  | 282.0  | 298.8  | 298.8  | 298.8  |
| 20148.6 | 57.5° | 14456.5 | 5479.6 | 751.2  | 355.6  | 370.4  | 286.2  | 265.1  | 288.3  | 286.2  | 284.1  |
| 21785.7 | 60°   | 15028.8 | 4856.7 | 494.5  | 292.5  | 294.6  | 235.7  | 246.2  | 271.5  | 269.3  | 258.8  |
| 23473.4 | 62.5° | 15456.0 | 4168.6 | 317.7  | 248.3  | 225.2  | 212.5  | 225.2  | 246.2  | 237.8  | 214.6  |
| 24904.3 | 65°   | 15407.6 | 3215.4 | 244.1  | 212.5  | 185.2  | 185.2  | 195.7  | 214.6  | 189.4  | 151.5  |
| 25177.8 | 67.5° | 14509.1 | 2175.8 | 202.0  | 178.9  | 155.7  | 153.6  | 162.0  | 178.9  | 162.0  | 128.4  |
| 23776.4 | 70°   | 12903.5 | 1422.5 | 162.0  | 138.9  | 124.2  | 113.6  | 130.5  | 153.6  | 136.8  | 103.1  |
| 20241.2 | 72.5° | 10473.1 | 867.0  | 122.0  | 101.0  | 90.5   | 73.7   | 103.1  | 126.3  | 109.4  | 75.8   |
| 14075.6 | 75°   | 6775.8  | 441.9  | 84.2   | 65.2   | 48.4   | 44.2   | 75.8   | 94.7   | 75.8   | 46.3   |
| 6245.5  | 77.5° | 2592.5  | 185.2  | 46.3   | 29.5   | 25.3   | 21.0   | 42.1   | 56.8   | 31.6   | 10.5   |
| 1210.0  | 80°   | 498.7   | 77.9   | 23.1   | 14.7   | 12.6   | 8.4    | 6.3    | 4.2    | 0.0    | 0.0    |
| 214.6   | 82.5° | 86.3    | 25.3   | 8.4    | 4.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 42.1    | 85°   | 29.5    | 4.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 14.7    | 87.5° | 10.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 3907.7 |
| 2371.5 |
| 1388.8 |
| 1130.0 |
| 1043.7 |
| 963.8  |
| 888.0  |
| 818.6  |
| 751.2  |
| 686.0  |
| 620.8  |
| 568.2  |
| 524.0  |
| 490.3  |
| 458.7  |
| 433.5  |
| 399.8  |
| 372.5  |
| 353.5  |
| 334.6  |
| 322.0  |
| 311.4  |
| 298.8  |
| 284.1  |
| 258.8  |
| 210.4  |
| 147.3  |
| 124.2  |
| 98.9   |
| 71.5   |
| 40.0   |
| 8.4    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |