

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: P942587

Luminaire Tested: **GLAN-SB6C-930-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942587  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31614 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9  
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

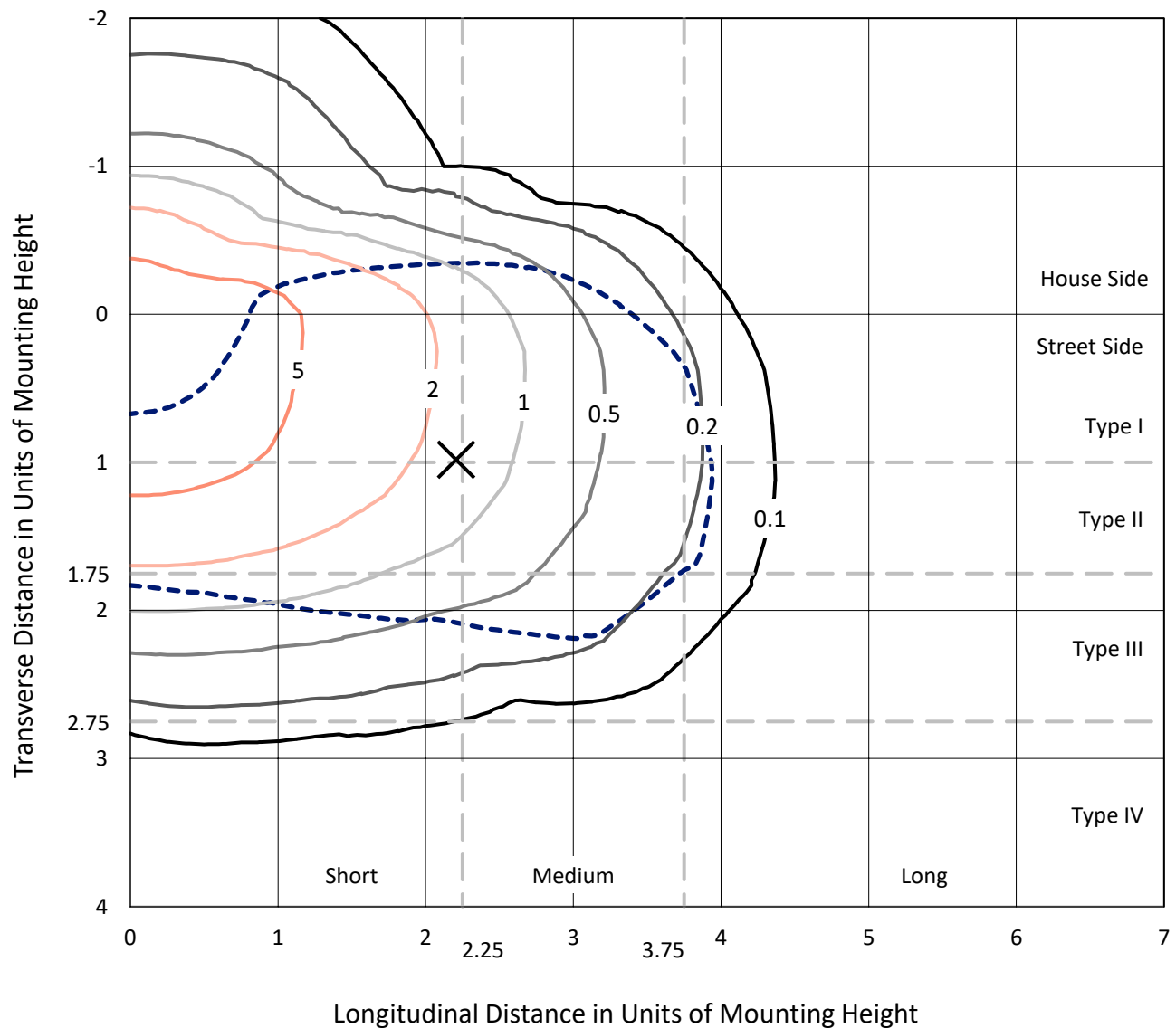


REPORT NUMBER: P942587

CATALOG NUMBER: GLAN-SB6C-930-U-T3

## Iso-Footcandle Lines of Horizontal Illumination

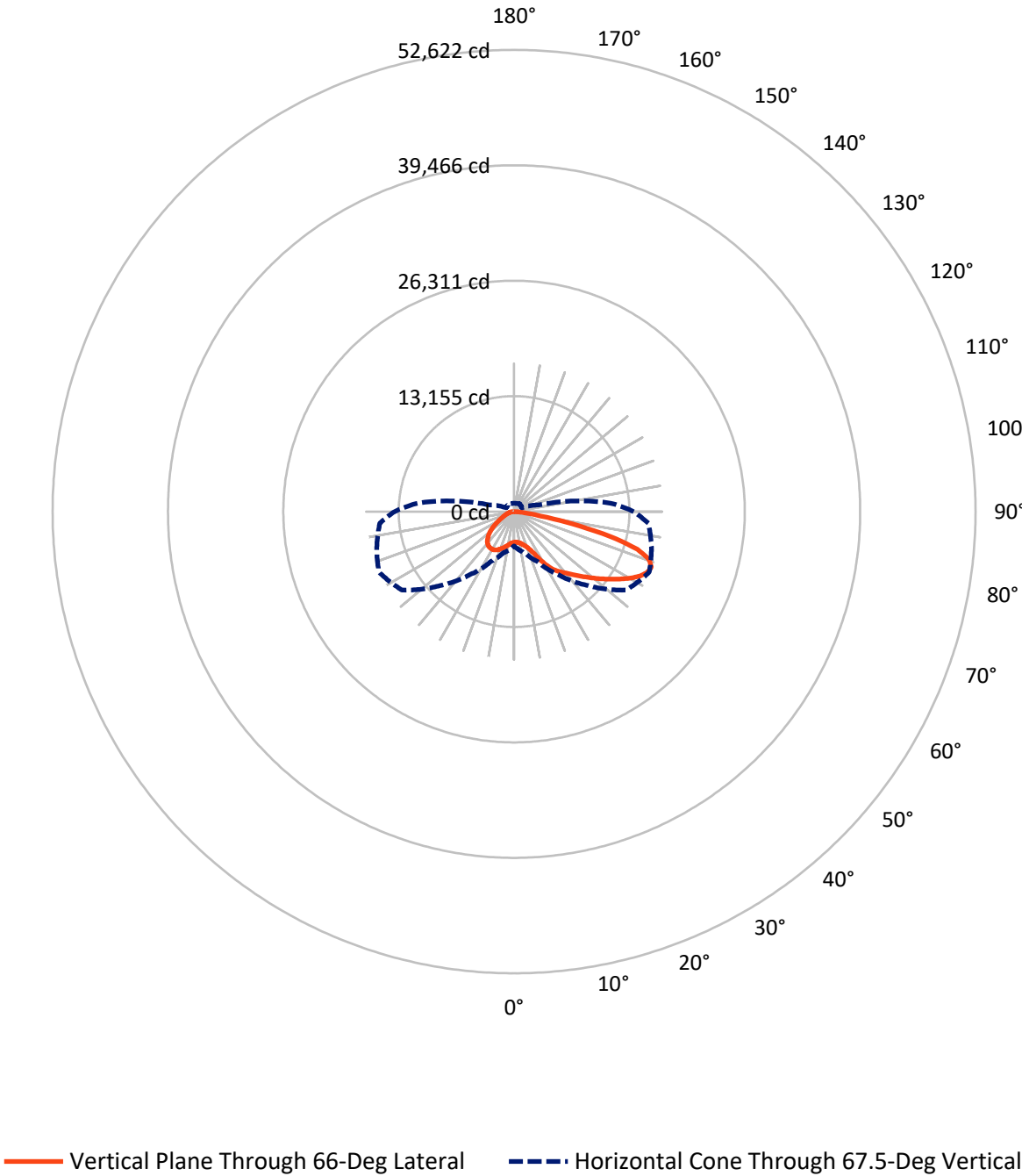
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
Type III - Short - N/A

REPORT NUMBER: P942587  
CATALOG NUMBER: GLAN-SB6C-930-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P942587

CATALOG NUMBER: GLAN-SB6C-930-U-T3

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7860.7   | 0.0    | 7860.7  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 23753.3  | 0.0    | 23753.3 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 31614.0  | 0.0    | 31614.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 347.6   | 1.1       |
| 10°-20°   | 1148.6  | 3.6       |
| 20°-30°   | 2213.8  | 7.0       |
| 30°-40°   | 3881.7  | 12.3      |
| 40°-50°   | 5770.7  | 18.3      |
| 50°-60°   | 7315.0  | 23.1      |
| 60°-70°   | 7157.5  | 22.6      |
| 70°-80°   | 3414.2  | 10.8      |
| 80°-90°   | 364.9   | 1.2       |
| 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°    | 31614.0 | 100.0     |
| 0°-180°   | 31614.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942587

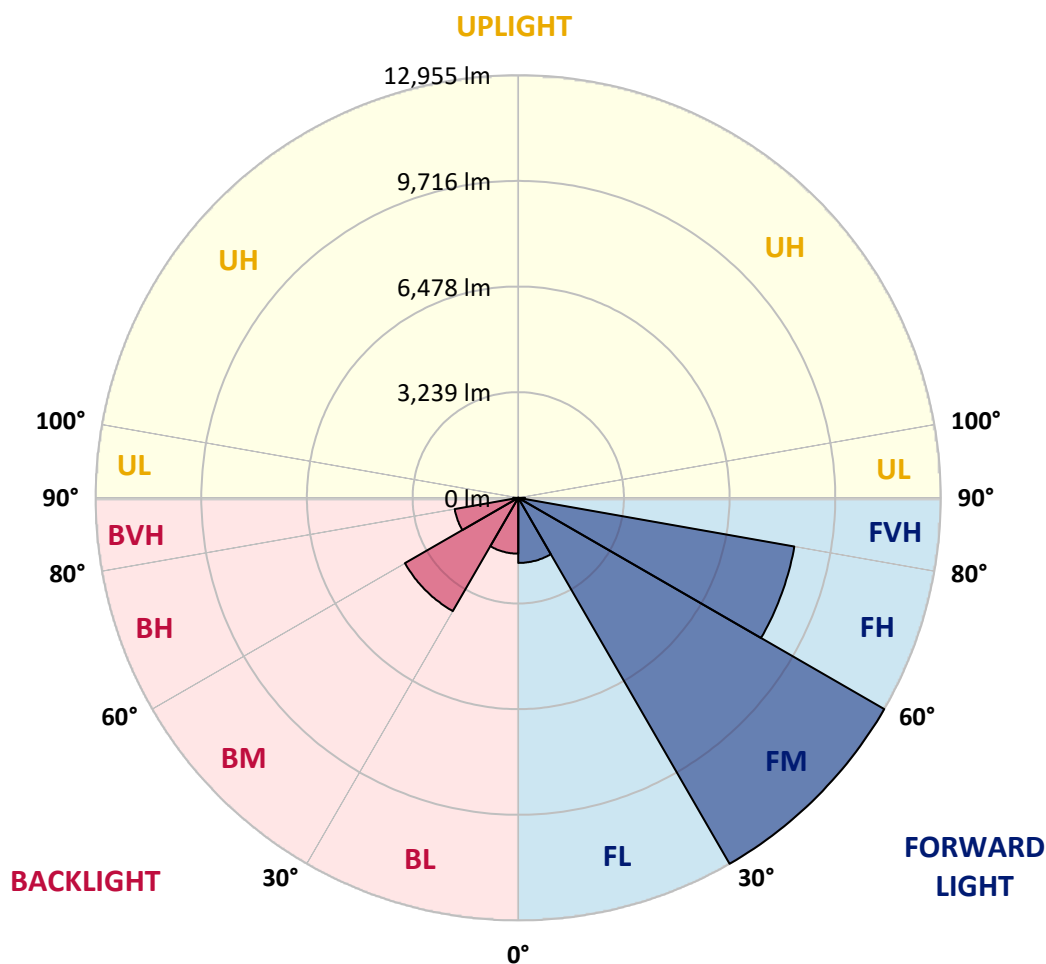
CATALOG NUMBER: GLAN-SB6C-930-U-T3

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1997.7  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 12955.1 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 8593.6  | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 206.9   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1712.4  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4012.2  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1978.2  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 158.0   | 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 III Short



REPORT NUMBER: P942587

CATALOG NUMBER: GLAN-SB6C-930-U-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3506.4  | 3506.4  | 3506.4  | 3506.4  | 3506.4  | 3506.4  | 3506.4  | 3506.4  | 3506.4  | 3506.4  |
| 2.5°  | 3469.9  | 3489.8  | 3484.8  | 3476.5  | 3474.9  | 3478.2  | 3483.2  | 3488.1  | 3486.5  | 3494.8  |
| 5°    | 3459.9  | 3479.8  | 3478.2  | 3478.2  | 3484.8  | 3498.1  | 3506.4  | 3514.7  | 3506.4  | 3516.4  |
| 7.5°  | 3466.5  | 3481.5  | 3488.1  | 3494.8  | 3511.4  | 3536.3  | 3556.2  | 3574.5  | 3564.5  | 3576.2  |
| 10°   | 3551.3  | 3562.9  | 3569.5  | 3569.5  | 3581.2  | 3609.4  | 3629.3  | 3662.5  | 3654.2  | 3672.5  |
| 12.5° | 3705.7  | 3717.4  | 3717.4  | 3710.7  | 3719.0  | 3737.3  | 3743.9  | 3780.5  | 3765.5  | 3795.4  |
| 15°   | 3895.1  | 3918.3  | 3900.1  | 3888.4  | 3891.8  | 3910.0  | 3908.4  | 3936.6  | 3921.7  | 3946.6  |
| 17.5° | 4104.4  | 4134.3  | 4104.4  | 4102.7  | 4096.1  | 4116.0  | 4117.7  | 4142.6  | 4116.0  | 4134.3  |
| 20°   | 4351.9  | 4393.4  | 4368.5  | 4376.8  | 4361.8  | 4370.1  | 4378.4  | 4415.0  | 4373.5  | 4386.8  |
| 22.5° | 4700.7  | 4750.5  | 4723.9  | 4755.5  | 4745.5  | 4738.9  | 4737.2  | 4802.0  | 4737.2  | 4742.2  |
| 25°   | 5209.0  | 5268.8  | 5222.2  | 5265.4  | 5265.4  | 5287.0  | 5311.9  | 5395.0  | 5287.0  | 5255.5  |
| 27.5° | 5959.7  | 6019.5  | 5928.2  | 5954.8  | 5946.4  | 5999.6  | 5973.0  | 6179.0  | 6062.7  | 6011.2  |
| 30°   | 6863.3  | 6969.6  | 6796.9  | 6790.2  | 6781.9  | 6866.7  | 6904.9  | 7041.1  | 6923.1  | 6871.6  |
| 32.5° | 7840.0  | 7951.3  | 7745.3  | 7685.5  | 7654.0  | 7705.5  | 7673.9  | 7783.5  | 7702.1  | 7622.4  |
| 35°   | 8873.2  | 8982.8  | 8786.8  | 8670.5  | 8544.3  | 8436.3  | 8323.4  | 8351.6  | 8275.2  | 8153.9  |
| 37.5° | 9849.8  | 10050.8 | 9843.2  | 9718.6  | 9486.1  | 9275.1  | 8959.5  | 8828.3  | 8756.9  | 8645.6  |
| 40°   | 10844.8 | 10959.4 | 10801.6 | 10695.3 | 10442.8 | 10112.3 | 9607.3  | 9329.9  | 9233.6  | 9125.6  |
| 42.5° | 11577.3 | 11686.9 | 11602.2 | 11529.1 | 11331.5 | 10947.8 | 10295.0 | 9947.8  | 9808.3  | 9687.1  |
| 45°   | 12158.7 | 12240.0 | 12186.9 | 12213.5 | 12128.8 | 11756.7 | 11007.6 | 10610.6 | 10466.1 | 10318.2 |
| 47.5° | 12392.9 | 12479.2 | 12563.9 | 12721.7 | 12866.3 | 12592.2 | 11773.3 | 11328.1 | 11175.3 | 11024.2 |
| 50°   | 12366.3 | 12454.3 | 12700.1 | 13035.7 | 13484.1 | 13392.8 | 12580.6 | 12092.2 | 11951.0 | 11778.3 |
| 52.5° | 12153.7 | 12253.3 | 12568.9 | 13127.0 | 13841.3 | 13992.4 | 13402.8 | 12881.2 | 12748.3 | 12542.4 |
| 55°   | 11595.6 | 11655.4 | 12128.8 | 12919.4 | 13926.0 | 14411.0 | 14208.4 | 13721.7 | 13588.8 | 13301.4 |
| 57.5° | 10560.8 | 10647.1 | 11336.5 | 12359.6 | 13713.4 | 14695.0 | 14915.9 | 14605.3 | 14477.4 | 14063.8 |
| 60°   | 9210.3  | 9348.2  | 10137.2 | 11419.5 | 13171.9 | 14693.4 | 15558.8 | 15474.0 | 15367.7 | 14814.6 |
| 62.5° | 7682.2  | 7841.7  | 8600.8  | 10090.7 | 12225.1 | 14276.5 | 15960.7 | 16201.6 | 16146.8 | 15507.3 |
| 65°   | 5899.9  | 6009.6  | 6765.3  | 8371.5  | 10751.8 | 13381.2 | 16007.2 | 16698.2 | 16708.2 | 16033.8 |
| 67.5° | 3928.3  | 4243.9  | 4900.0  | 6282.0  | 8778.5  | 11917.8 | 15598.6 | 16779.6 | 16875.9 | 16214.9 |
| 70°   | 1916.8  | 2332.1  | 2974.9  | 4082.8  | 6282.0  | 9673.8  | 14530.6 | 16111.9 | 16326.2 | 15686.7 |
| 72.5° | 795.6   | 930.2   | 1280.6  | 2014.8  | 3606.1  | 6527.8  | 12384.6 | 14301.4 | 14698.4 | 13899.4 |
| 75°   | 536.5   | 581.4   | 732.5   | 1033.2  | 1642.7  | 3219.1  | 8931.3  | 10663.7 | 11303.2 | 10497.6 |
| 77.5° | 413.6   | 441.8   | 533.2   | 722.5   | 976.7   | 1217.5  | 4780.4  | 6426.5  | 6757.0  | 6255.4  |
| 80°   | 325.6   | 347.2   | 398.6   | 526.5   | 692.6   | 651.1   | 1629.5  | 2911.8  | 3102.8  | 2602.8  |
| 82.5° | 282.4   | 290.7   | 285.7   | 357.1   | 460.1   | 380.4   | 534.8   | 1074.7  | 1186.0  | 860.4   |
| 85°   | 204.3   | 227.6   | 237.5   | 220.9   | 244.2   | 192.7   | 219.3   | 380.4   | 418.6   | 373.7   |
| 87.5° | 83.1    | 122.9   | 151.2   | 142.8   | 89.7    | 54.8    | 68.1    | 111.3   | 127.9   | 139.5   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P942587

CATALOG NUMBER: GLAN-SB6C-930-U-T3

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3506.4  | 0°    | 3506.4  | 3506.4  | 3506.4 | 3506.4 | 3506.4 | 3506.4 | 3506.4 | 3506.4 | 3506.4 | 3506.4 |
| 3508.1  | 2.5°  | 3509.7  | 3521.4  | 3529.7 | 3539.6 | 3546.3 | 3556.2 | 3576.2 | 3587.8 | 3589.5 | 3597.8 |
| 3534.6  | 5°    | 3541.3  | 3557.9  | 3576.2 | 3602.7 | 3632.6 | 3657.6 | 3695.8 | 3722.3 | 3732.3 | 3740.6 |
| 3599.4  | 7.5°  | 3609.4  | 3632.6  | 3665.9 | 3712.4 | 3755.6 | 3788.8 | 3835.3 | 3866.9 | 3898.4 | 3910.0 |
| 3702.4  | 10°   | 3710.7  | 3743.9  | 3792.1 | 3855.2 | 3901.7 | 3944.9 | 3993.1 | 4019.7 | 4051.2 | 4064.5 |
| 3825.3  | 12.5° | 3837.0  | 3871.8  | 3935.0 | 4023.0 | 4066.2 | 4096.1 | 4112.7 | 4106.0 | 4112.7 | 4124.3 |
| 3973.2  | 15°   | 3981.5  | 4019.7  | 4091.1 | 4185.8 | 4215.7 | 4189.1 | 4152.5 | 4119.3 | 4114.3 | 4117.7 |
| 4152.5  | 17.5° | 4152.5  | 4180.8  | 4263.8 | 4343.6 | 4322.0 | 4212.3 | 4132.6 | 4079.5 | 4052.9 | 4044.6 |
| 4381.8  | 20°   | 4391.7  | 4391.7  | 4459.8 | 4509.7 | 4365.2 | 4179.1 | 4054.5 | 3968.2 | 3913.4 | 3890.1 |
| 4694.0  | 22.5° | 4682.4  | 4655.8  | 4699.0 | 4664.1 | 4356.9 | 4086.1 | 3913.4 | 3763.9 | 3680.8 | 3647.6 |
| 5130.9  | 25°   | 5051.2  | 5019.6  | 5008.0 | 4792.0 | 4297.1 | 3938.3 | 3657.6 | 3476.5 | 3403.4 | 3385.2 |
| 5760.4  | 27.5° | 5607.6  | 5527.9  | 5376.7 | 4861.8 | 4187.4 | 3705.7 | 3358.6 | 3190.8 | 3149.3 | 3151.0 |
| 6569.3  | 30°   | 6348.4  | 6189.0  | 5818.5 | 4873.4 | 4008.0 | 3376.9 | 3053.0 | 2933.4 | 2913.4 | 2921.7 |
| 7248.7  | 32.5° | 7034.4  | 6883.3  | 6270.3 | 4820.3 | 3732.3 | 3054.6 | 2778.9 | 2699.2 | 2669.3 | 2679.2 |
| 7766.9  | 35°   | 7572.6  | 7531.1  | 6688.9 | 4745.5 | 3393.5 | 2752.3 | 2533.1 | 2465.0 | 2406.8 | 2393.5 |
| 8255.3  | 37.5° | 8080.9  | 8064.2  | 7002.9 | 4640.9 | 3057.9 | 2538.0 | 2335.4 | 2245.7 | 2161.0 | 2114.5 |
| 8795.1  | 40°   | 8639.0  | 8622.3  | 7208.8 | 4479.8 | 2760.6 | 2352.0 | 2157.7 | 2039.7 | 1935.1 | 1850.4 |
| 9406.3  | 42.5° | 9266.8  | 9168.8  | 7306.8 | 4248.9 | 2508.1 | 2194.2 | 2013.2 | 1853.7 | 1715.8 | 1637.8 |
| 10097.3 | 45°   | 9952.8  | 9731.9  | 7305.2 | 3954.9 | 2295.5 | 2049.7 | 1858.7 | 1632.8 | 1504.9 | 1431.8 |
| 10806.6 | 47.5° | 10680.3 | 10270.1 | 7215.5 | 3629.3 | 2089.6 | 1890.2 | 1619.5 | 1446.7 | 1362.0 | 1317.2 |
| 11577.3 | 50°   | 11431.1 | 10773.4 | 7062.7 | 3255.6 | 1878.6 | 1709.2 | 1470.0 | 1352.1 | 1287.3 | 1245.8 |
| 12341.4 | 52.5° | 12137.1 | 11230.1 | 6878.3 | 2832.0 | 1664.3 | 1533.1 | 1403.6 | 1312.2 | 1244.1 | 1197.6 |
| 13082.2 | 55°   | 12793.2 | 11623.8 | 6617.5 | 2398.5 | 1489.9 | 1415.2 | 1372.0 | 1295.6 | 1217.5 | 1162.7 |
| 13834.6 | 57.5° | 13376.2 | 11879.6 | 6167.4 | 1991.6 | 1365.4 | 1333.8 | 1338.8 | 1267.4 | 1177.7 | 1131.2 |
| 14575.4 | 60°   | 13861.2 | 12067.3 | 5501.3 | 1614.5 | 1264.0 | 1254.1 | 1287.3 | 1214.2 | 1109.6 | 1056.4 |
| 15201.6 | 62.5° | 14151.9 | 12064.0 | 4684.1 | 1322.2 | 1177.7 | 1181.0 | 1219.2 | 1147.8 | 1041.5 | 991.6  |
| 15528.9 | 65°   | 14127.0 | 11768.3 | 3787.1 | 1131.2 | 1094.6 | 1097.9 | 1147.8 | 1074.7 | 985.0  | 955.1  |
| 15364.4 | 67.5° | 13627.0 | 11047.4 | 2905.1 | 1006.6 | 1003.3 | 1018.2 | 1076.3 | 1024.8 | 950.1  | 946.8  |
| 14384.4 | 70°   | 12273.3 | 9550.9  | 2092.9 | 906.9  | 908.6  | 930.2  | 1006.6 | 993.3  | 931.8  | 938.5  |
| 12093.9 | 72.5° | 9841.5  | 7281.9  | 1405.2 | 802.3  | 803.9  | 838.8  | 940.1  | 968.4  | 913.6  | 1001.6 |
| 8580.8  | 75°   | 6554.4  | 4541.2  | 903.6  | 691.0  | 692.6  | 737.5  | 882.0  | 920.2  | 863.7  | 998.3  |
| 4464.8  | 77.5° | 3149.3  | 2041.4  | 654.4  | 581.4  | 581.4  | 622.9  | 762.4  | 823.9  | 735.8  | 775.7  |
| 1435.1  | 80°   | 1088.0  | 767.4   | 514.9  | 468.4  | 458.4  | 486.7  | 642.8  | 714.2  | 634.5  | 584.7  |
| 468.4   | 82.5° | 428.5   | 398.6   | 413.6  | 363.8  | 330.5  | 348.8  | 500.0  | 589.7  | 466.7  | 421.9  |
| 264.1   | 85°   | 245.8   | 259.1   | 292.3  | 240.8  | 191.0  | 214.3  | 367.1  | 423.6  | 352.1  | 310.6  |
| 86.4    | 87.5° | 66.4    | 91.4    | 134.5  | 124.6  | 86.4   | 91.4   | 174.4  | 234.2  | 202.6  | 156.1  |
| 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°   |
|--------|
| 3506.4 |
| 3596.1 |
| 3739.0 |
| 3911.7 |
| 4071.2 |
| 4127.6 |
| 4129.3 |
| 4056.2 |
| 3885.1 |
| 3642.6 |
| 3388.5 |
| 3155.9 |
| 2950.0 |
| 2692.5 |
| 2403.5 |
| 2116.1 |
| 1858.7 |
| 1642.7 |
| 1428.5 |
| 1307.2 |
| 1230.8 |
| 1177.7 |
| 1141.1 |
| 1101.3 |
| 1033.2 |
| 976.7  |
| 953.4  |
| 951.8  |
| 936.8  |
| 1014.9 |
| 1006.6 |
| 710.9  |
| 548.1  |
| 420.2  |
| 317.3  |
| 161.1  |
| 0.0    |