

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: P952553

Luminaire Tested: **GLAN-SB6B-840-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952553  
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-SB6B-840-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33100 lumens  
Efficiency: N/A  
Efficacy: 150.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 220.4  
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

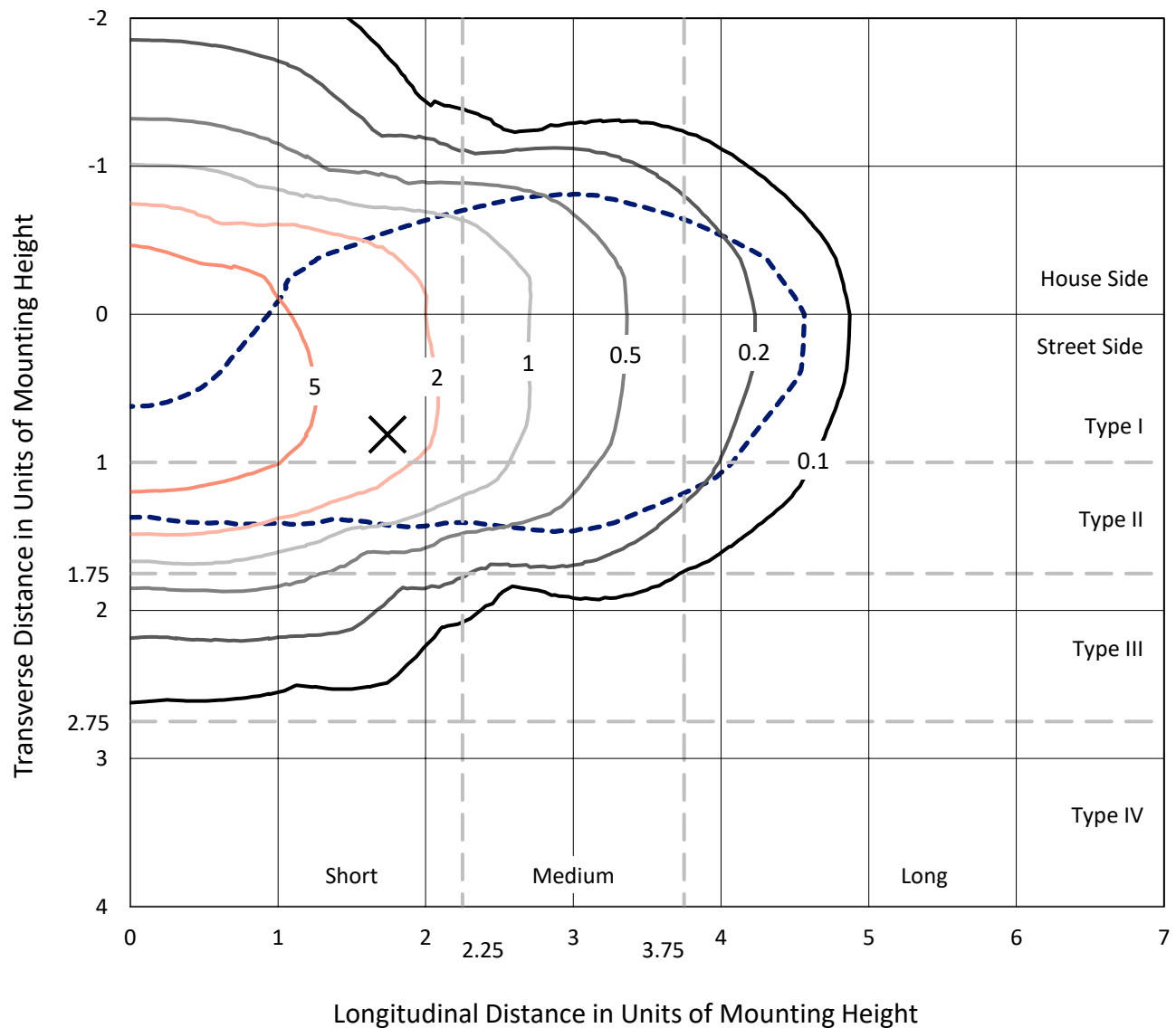


REPORT NUMBER: P952553

CATALOG NUMBER: GLAN-SB6B-840-U-T2U

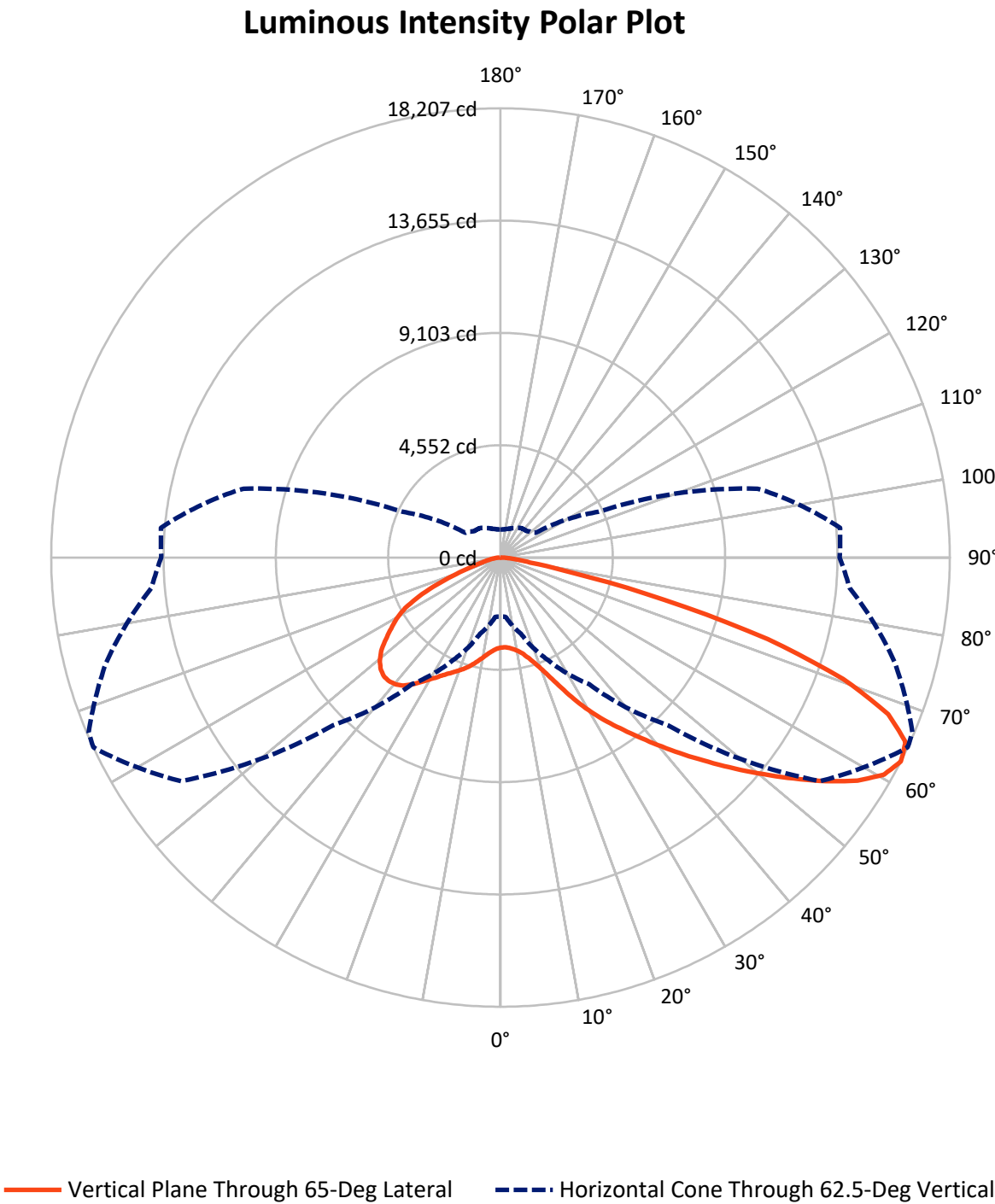
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
Type II - Short - N/A

REPORT NUMBER: P952553  
CATALOG NUMBER: GLAN-SB6B-840-U-T2U



REPORT NUMBER: P952553

CATALOG NUMBER: GLAN-SB6B-840-U-T2U

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10444.9  | 0.0    | 10444.9 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 22655.1  | 0.0    | 22655.1 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 33100.0  | 0.0    | 33100.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 363.7   | 1.1       |
| 10°-20°   | 1233.2  | 3.7       |
| 20°-30°   | 2500.4  | 7.6       |
| 30°-40°   | 4326.9  | 13.1      |
| 40°-50°   | 6547.9  | 19.8      |
| 50°-60°   | 7677.0  | 23.2      |
| 60°-70°   | 6436.2  | 19.4      |
| 70°-80°   | 3553.3  | 10.7      |
| 80°-90°   | 461.6   | 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°    | 33100.0 | 100.0     |
| 0°-180°   | 33100.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952553

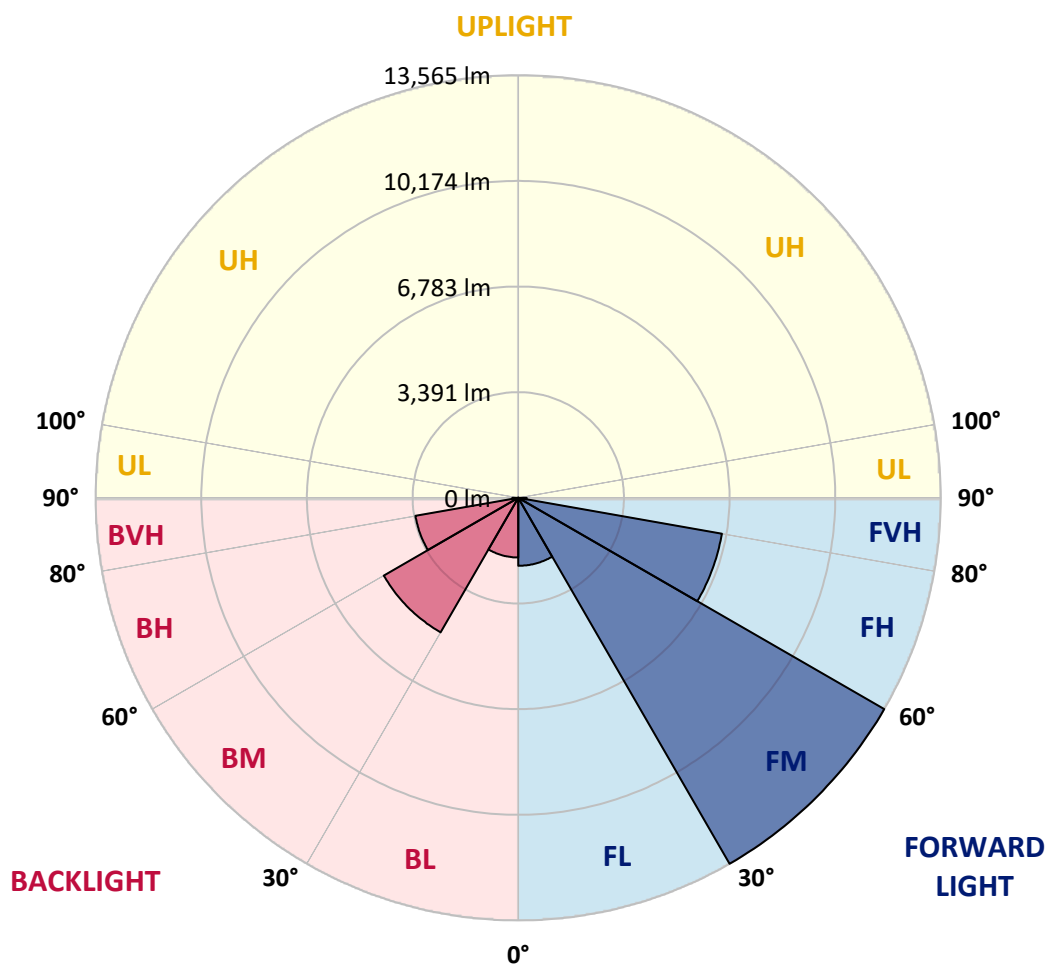
CATALOG NUMBER: GLAN-SB6B-840-U-T2U

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2181.7  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 13565.5 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 6638.9  | 20.1      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 269.0   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1915.5  | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4986.3  | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3350.6  | 10.1      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 192.5   | 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: P952553

CATALOG NUMBER: GLAN-SB6B-840-U-T2U

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3647.5  | 3647.5  | 3647.5  | 3647.5  | 3647.5  | 3647.5  | 3647.5  | 3647.5  | 3647.5  | 3647.5  |
| 2.5°  | 3623.4  | 3613.1  | 3621.7  | 3621.7  | 3625.2  | 3623.4  | 3635.5  | 3638.9  | 3644.0  | 3654.3  |
| 5°    | 3587.4  | 3585.7  | 3601.1  | 3614.8  | 3628.6  | 3640.6  | 3656.1  | 3678.4  | 3681.8  | 3693.8  |
| 7.5°  | 3575.4  | 3565.0  | 3589.1  | 3606.3  | 3638.9  | 3668.1  | 3709.3  | 3747.1  | 3762.5  | 3767.7  |
| 10°   | 3668.1  | 3650.9  | 3673.2  | 3683.5  | 3711.0  | 3740.2  | 3788.3  | 3848.4  | 3865.6  | 3886.2  |
| 12.5° | 3826.1  | 3807.2  | 3839.8  | 3855.3  | 3881.0  | 3906.8  | 3939.4  | 3997.8  | 4006.4  | 4044.2  |
| 15°   | 4042.4  | 4020.1  | 4040.7  | 4059.6  | 4102.6  | 4126.6  | 4159.2  | 4215.9  | 4215.9  | 4245.1  |
| 17.5° | 4336.1  | 4306.9  | 4322.4  | 4329.2  | 4356.7  | 4392.8  | 4447.7  | 4497.5  | 4523.3  | 4513.0  |
| 20°   | 4774.0  | 4737.9  | 4737.9  | 4703.6  | 4693.3  | 4722.5  | 4794.6  | 4863.3  | 4890.8  | 4837.5  |
| 22.5° | 5431.7  | 5380.2  | 5351.0  | 5234.2  | 5187.9  | 5191.3  | 5263.4  | 5347.6  | 5369.9  | 5275.4  |
| 25°   | 6268.0  | 6187.3  | 6147.8  | 5976.1  | 5871.3  | 5780.3  | 5837.0  | 5945.2  | 5976.1  | 5859.3  |
| 27.5° | 7104.3  | 7109.5  | 7071.7  | 6865.6  | 6692.2  | 6525.6  | 6496.4  | 6609.8  | 6642.4  | 6510.2  |
| 30°   | 8277.2  | 8155.3  | 8083.2  | 7835.9  | 7588.6  | 7355.1  | 7234.8  | 7281.2  | 7289.8  | 7131.8  |
| 32.5° | 9288.7  | 9257.8  | 9103.2  | 8886.9  | 8569.2  | 8203.4  | 8002.5  | 7928.6  | 7914.9  | 7689.9  |
| 35°   | 10441.0 | 10423.8 | 10260.7 | 10003.1 | 9659.6  | 9151.3  | 8789.0  | 8577.8  | 8560.6  | 8244.6  |
| 37.5° | 11612.2 | 11612.2 | 11452.5 | 11170.8 | 10815.4 | 10180.0 | 9628.7  | 9293.9  | 9238.9  | 8826.8  |
| 40°   | 12546.4 | 12489.7 | 12518.9 | 12400.4 | 11993.4 | 11318.5 | 10561.2 | 10075.2 | 10001.4 | 9506.8  |
| 42.5° | 13077.0 | 13058.1 | 13233.3 | 13365.5 | 13198.9 | 12659.7 | 11588.1 | 10921.8 | 10818.8 | 10255.5 |
| 45°   | 13195.5 | 13174.9 | 13487.4 | 13971.7 | 14205.2 | 13983.7 | 12704.3 | 11813.1 | 11687.7 | 11038.6 |
| 47.5° | 12922.4 | 12881.2 | 13339.7 | 14103.9 | 14852.6 | 15242.5 | 13913.3 | 12779.9 | 12597.9 | 11801.1 |
| 50°   | 12101.6 | 12062.1 | 12755.9 | 13770.8 | 15070.7 | 16097.7 | 15225.3 | 13805.1 | 13526.9 | 12618.5 |
| 52.5° | 10317.3 | 10336.2 | 11423.3 | 12817.7 | 14784.0 | 16630.0 | 16355.3 | 14885.3 | 14550.4 | 13454.8 |
| 55°   | 8036.8  | 8078.0  | 9414.1  | 10949.3 | 13636.8 | 16549.3 | 17126.3 | 15998.1 | 15664.9 | 14241.3 |
| 57.5° | 5754.6  | 5936.6  | 7188.5  | 8708.3  | 11433.6 | 15269.9 | 17294.6 | 17055.9 | 16733.1 | 15099.9 |
| 60°   | 3729.9  | 3762.5  | 5050.5  | 6582.3  | 8706.5  | 12996.3 | 16952.9 | 17857.9 | 17605.4 | 15975.7 |
| 62.5° | 2390.4  | 2412.8  | 3197.6  | 4604.0  | 6266.3  | 9615.0  | 15802.3 | 18206.5 | 18129.2 | 16554.5 |
| 65°   | 1756.8  | 1739.6  | 2148.3  | 3043.0  | 4221.0  | 5929.7  | 13568.1 | 18038.2 | 18191.0 | 16916.8 |
| 67.5° | 1466.5  | 1442.5  | 1643.4  | 2107.1  | 3110.0  | 3367.6  | 10039.1 | 16944.3 | 17504.1 | 16875.6 |
| 70°   | 1336.0  | 1315.4  | 1437.4  | 1564.4  | 2426.5  | 2254.8  | 5060.8  | 14730.7 | 15592.8 | 16406.8 |
| 72.5° | 1131.7  | 1095.6  | 1262.2  | 1389.3  | 1887.3  | 1729.3  | 2091.6  | 11315.1 | 12366.0 | 14904.2 |
| 75°   | 877.5   | 853.5   | 996.0   | 1222.7  | 1418.5  | 1349.8  | 1322.3  | 6870.8  | 8017.9  | 11526.3 |
| 77.5° | 695.5   | 662.9   | 793.4   | 953.1   | 1275.9  | 1018.3  | 963.4   | 2958.9  | 4095.7  | 7358.5  |
| 80°   | 523.8   | 494.6   | 602.8   | 753.9   | 980.6   | 767.6   | 623.4   | 1207.2  | 1543.8  | 3728.2  |
| 82.5° | 372.6   | 346.9   | 420.7   | 553.0   | 659.4   | 688.6   | 383.0   | 676.6   | 760.7   | 1437.4  |
| 85°   | 238.7   | 223.2   | 281.6   | 346.9   | 419.0   | 443.1   | 233.5   | 353.8   | 388.1   | 592.5   |
| 87.5° | 130.5   | 106.5   | 151.1   | 161.4   | 194.1   | 176.9   | 111.6   | 128.8   | 139.1   | 214.7   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P952553  
CATALOG NUMBER: GLAN-SB6B-840-U-T2U

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 3647.5  | 0°    | 3647.5  | 3647.5  | 3647.5  | 3647.5 | 3647.5 | 3647.5 | 3647.5 | 3647.5 | 3647.5 | 3647.5 |
| 3654.3  | 2.5°  | 3661.2  | 3666.4  | 3683.5  | 3688.7 | 3700.7 | 3716.2 | 3726.5 | 3736.8 | 3736.8 | 3747.1 |
| 3709.3  | 5°    | 3711.0  | 3723.0  | 3759.1  | 3778.0 | 3808.9 | 3839.8 | 3858.7 | 3881.0 | 3894.8 | 3901.6 |
| 3796.9  | 7.5°  | 3807.2  | 3826.1  | 3877.6  | 3910.2 | 3963.5 | 4006.4 | 4035.6 | 4066.5 | 4073.4 | 4092.2 |
| 3918.8  | 10°   | 3937.7  | 3960.0  | 4018.4  | 4080.2 | 4143.8 | 4197.0 | 4224.5 | 4246.8 | 4255.4 | 4258.8 |
| 4075.1  | 12.5° | 4087.1  | 4119.7  | 4195.3  | 4270.8 | 4337.8 | 4384.2 | 4391.1 | 4385.9 | 4361.9 | 4341.3 |
| 4267.4  | 15°   | 4270.8  | 4300.0  | 4384.2  | 4466.6 | 4531.9 | 4540.5 | 4497.5 | 4470.0 | 4440.9 | 4435.7 |
| 4482.1  | 17.5° | 4490.7  | 4506.1  | 4583.4  | 4664.1 | 4669.3 | 4640.1 | 4576.5 | 4550.8 | 4523.3 | 4504.4 |
| 4762.0  | 20°   | 4746.5  | 4741.4  | 4796.3  | 4830.7 | 4794.6 | 4705.3 | 4609.1 | 4566.2 | 4538.7 | 4516.4 |
| 5105.4  | 22.5° | 5052.2  | 5012.7  | 5005.8  | 4997.2 | 4901.1 | 4713.9 | 4583.4 | 4528.4 | 4485.5 | 4454.6 |
| 5584.6  | 25°   | 5497.0  | 5345.9  | 5241.1  | 5182.7 | 4966.3 | 4667.5 | 4501.0 | 4379.0 | 4298.3 | 4245.1 |
| 6170.1  | 27.5° | 6053.4  | 5799.2  | 5534.8  | 5392.2 | 4966.3 | 4573.1 | 4301.8 | 4104.3 | 3972.0 | 3917.1 |
| 6736.8  | 30°   | 6584.0  | 6317.8  | 5928.0  | 5644.7 | 4954.3 | 4418.5 | 3980.6 | 3705.9 | 3551.3 | 3496.4 |
| 7221.1  | 32.5° | 7037.4  | 6747.1  | 6345.3  | 5921.1 | 4925.1 | 4167.8 | 3582.2 | 3278.3 | 3128.9 | 3063.6 |
| 7700.2  | 35°   | 7458.1  | 7149.0  | 6764.3  | 6225.1 | 4847.8 | 3800.3 | 3144.3 | 2912.5 | 2745.9 | 2641.2 |
| 8187.9  | 37.5° | 7889.1  | 7521.6  | 7161.0  | 6499.9 | 4708.7 | 3371.0 | 2807.7 | 2610.2 | 2414.5 | 2273.7 |
| 8706.5  | 40°   | 8357.9  | 7918.3  | 7585.2  | 6663.0 | 4480.4 | 2962.3 | 2546.7 | 2366.4 | 2158.6 | 2009.2 |
| 9304.2  | 42.5° | 8905.7  | 8394.0  | 8057.4  | 6747.1 | 4167.8 | 2672.1 | 2376.7 | 2199.8 | 2004.1 | 1882.1 |
| 9944.7  | 45°   | 9477.6  | 8917.8  | 8488.5  | 6745.4 | 3819.2 | 2536.4 | 2321.7 | 2146.6 | 1930.2 | 1803.1 |
| 10602.4 | 47.5° | 10076.9 | 9465.6  | 8861.1  | 6635.5 | 3517.0 | 2555.3 | 2290.8 | 2031.5 | 1792.8 | 1669.2 |
| 11267.0 | 50°   | 10678.0 | 10064.9 | 9221.7  | 6429.5 | 3388.2 | 2514.1 | 2175.8 | 1870.1 | 1588.5 | 1476.9 |
| 11890.4 | 52.5° | 11273.9 | 10702.0 | 9532.6  | 6135.8 | 3257.7 | 2361.2 | 2028.1 | 1660.6 | 1504.3 | 1427.0 |
| 12534.3 | 55°   | 11873.2 | 11332.2 | 9870.9  | 5708.2 | 2931.4 | 2182.6 | 1780.8 | 1581.6 | 1437.4 | 1366.9 |
| 13164.6 | 57.5° | 12474.2 | 12060.4 | 10192.0 | 5280.6 | 2520.9 | 1962.8 | 1645.1 | 1485.4 | 1370.4 | 1310.3 |
| 13691.8 | 60°   | 13099.3 | 12893.2 | 10523.4 | 4887.3 | 2115.7 | 1681.2 | 1545.5 | 1408.2 | 1291.4 | 1224.4 |
| 14198.4 | 62.5° | 13743.3 | 13810.3 | 10782.7 | 4380.7 | 1743.0 | 1509.5 | 1456.2 | 1315.4 | 1202.1 | 1138.5 |
| 14617.4 | 65°   | 14392.4 | 14694.7 | 10952.7 | 3678.4 | 1413.3 | 1346.3 | 1360.1 | 1214.1 | 1099.1 | 1044.1 |
| 14924.8 | 67.5° | 14881.8 | 15331.8 | 10904.6 | 2783.7 | 1159.2 | 1191.8 | 1239.9 | 1107.6 | 999.4  | 956.5  |
| 14875.0 | 70°   | 14936.8 | 15256.2 | 10430.7 | 1906.2 | 970.3  | 1040.7 | 1105.9 | 1002.9 | 891.3  | 860.4  |
| 14174.3 | 72.5° | 14205.2 | 14225.8 | 9110.1  | 1245.0 | 820.9  | 913.6  | 965.1  | 896.4  | 788.2  | 757.3  |
| 12400.4 | 75°   | 12287.0 | 11765.0 | 6688.8  | 820.9  | 686.9  | 784.8  | 832.9  | 784.8  | 680.0  | 686.9  |
| 9278.4  | 77.5° | 9309.3  | 8332.2  | 4061.3  | 583.9  | 573.6  | 659.4  | 724.7  | 690.3  | 601.0  | 674.9  |
| 4665.8  | 80°   | 4796.3  | 4507.8  | 1811.7  | 436.2  | 453.4  | 527.2  | 595.9  | 551.2  | 475.7  | 453.4  |
| 1042.4  | 82.5° | 1099.1  | 1277.6  | 714.4   | 312.5  | 328.0  | 379.5  | 455.1  | 413.9  | 341.7  | 288.5  |
| 434.5   | 85°   | 384.7   | 420.7   | 316.0   | 195.8  | 192.3  | 237.0  | 309.1  | 276.5  | 231.8  | 185.5  |
| 183.7   | 87.5° | 121.9   | 159.7   | 118.5   | 79.0   | 82.4   | 106.5  | 142.5  | 130.5  | 108.2  | 70.4   |
| 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°   |
|--------|
| 3647.5 |
| 3747.1 |
| 3905.1 |
| 4085.4 |
| 4250.2 |
| 4341.3 |
| 4435.7 |
| 4506.1 |
| 4518.1 |
| 4464.9 |
| 4265.7 |
| 3944.6 |
| 3529.0 |
| 3096.2 |
| 2675.5 |
| 2311.4 |
| 2038.4 |
| 1906.2 |
| 1823.7 |
| 1686.4 |
| 1483.7 |
| 1427.0 |
| 1360.1 |
| 1300.0 |
| 1219.3 |
| 1136.8 |
| 1042.4 |
| 958.2  |
| 862.1  |
| 755.6  |
| 662.9  |
| 594.2  |
| 413.9  |
| 285.1  |
| 195.8  |
| 73.8   |
| 0.0    |