

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: P532238

Luminaire Tested: **GLAN-SA7C-750-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7C-750-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41426 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

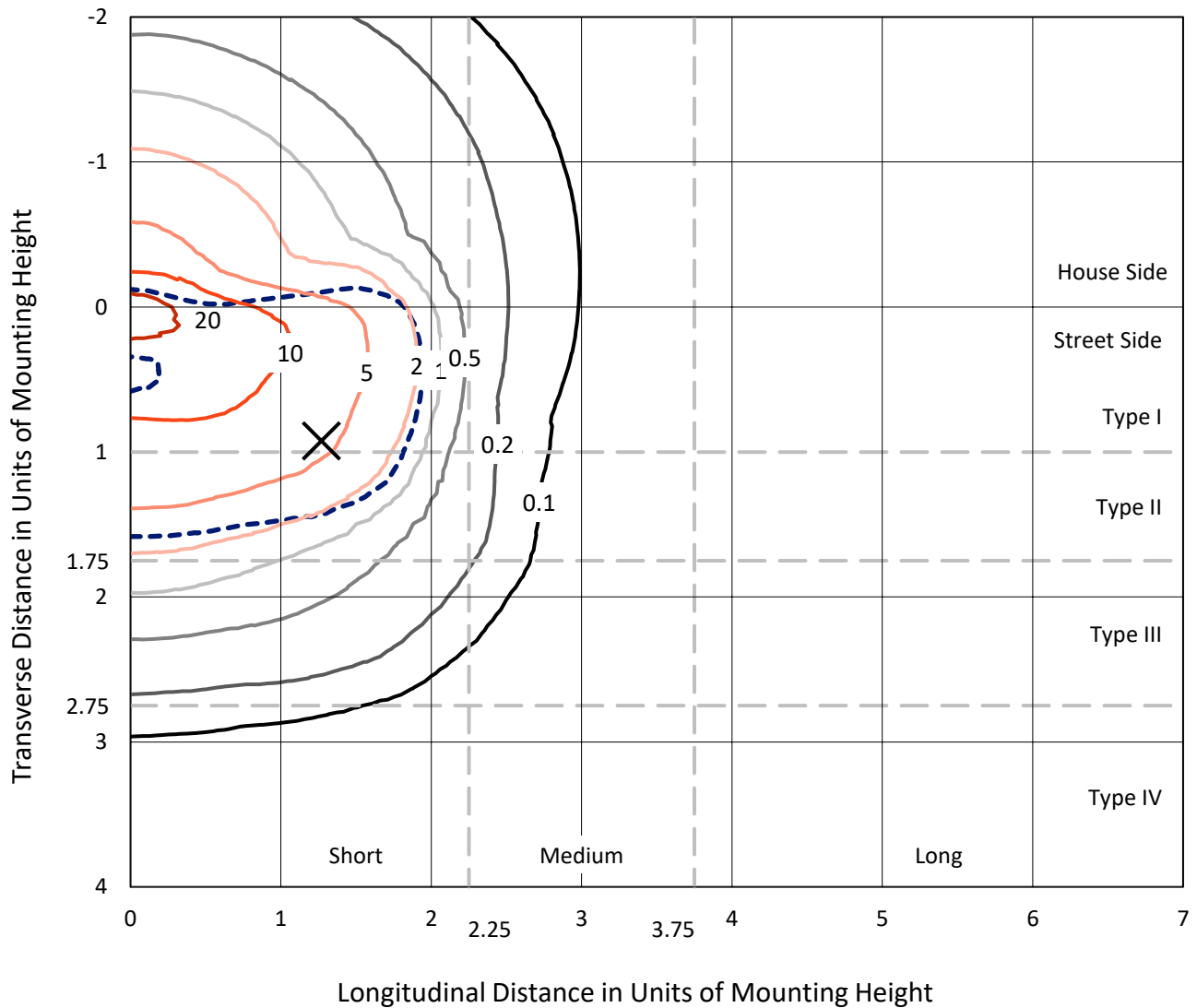
Input Watts (W): 377  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P532238  
 CATALOG NUMBER: GLAN-SA7C-750-U-SL3-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

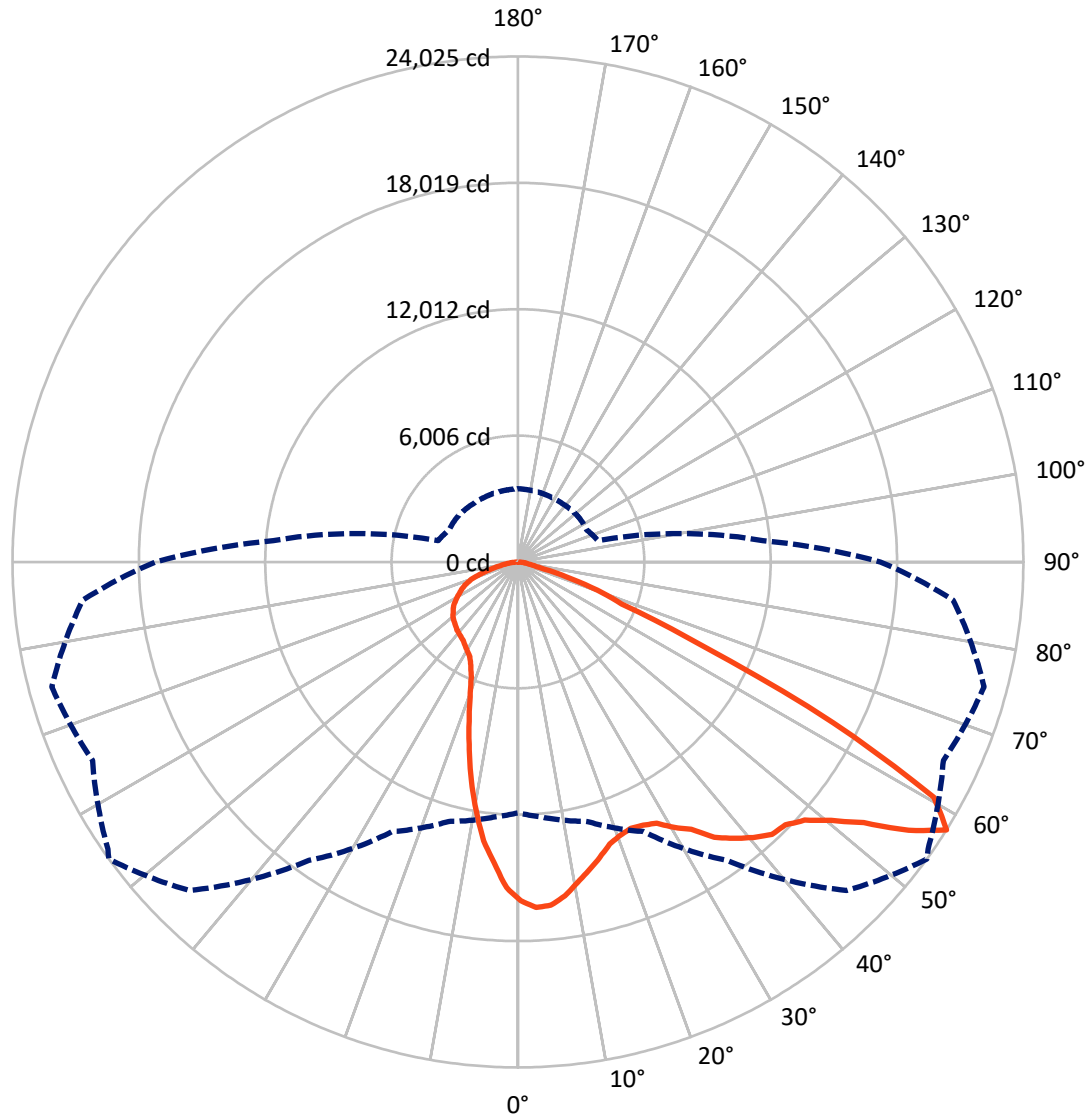
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P532238  
CATALOG NUMBER: GLAN-SA7C-750-U-SL3-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P532238  
 CATALOG NUMBER: GLAN-SA7C-750-U-SL3-GRSWH

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11460.7  | 0.0    | 11460.7 |
|                    | % Fixture | 27.7     | 0.0    | 27.7    |
| <b>Street Side</b> | Lumens    | 29965.3  | 0.0    | 29965.3 |
|                    | % Fixture | 72.3     | 0.0    | 72.3    |
| <b>Total</b>       | Lumens    | 41426.0  | 0.0    | 41426.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1388.6  | 3.4       |
| 10°-20°   | 3215.2  | 7.8       |
| 20°-30°   | 4517.4  | 10.9      |
| 30°-40°   | 6315.3  | 15.2      |
| 40°-50°   | 8549.7  | 20.6      |
| 50°-60°   | 10413.9 | 25.1      |
| 60°-70°   | 5424.0  | 13.1      |
| 70°-80°   | 1389.8  | 3.4       |
| 80°-90°   | 212.0   | 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°    | 41426.0 | 100.0     |
| 0°-180°   | 41426.0 | 100.0     |



REPORT NUMBER: P532238

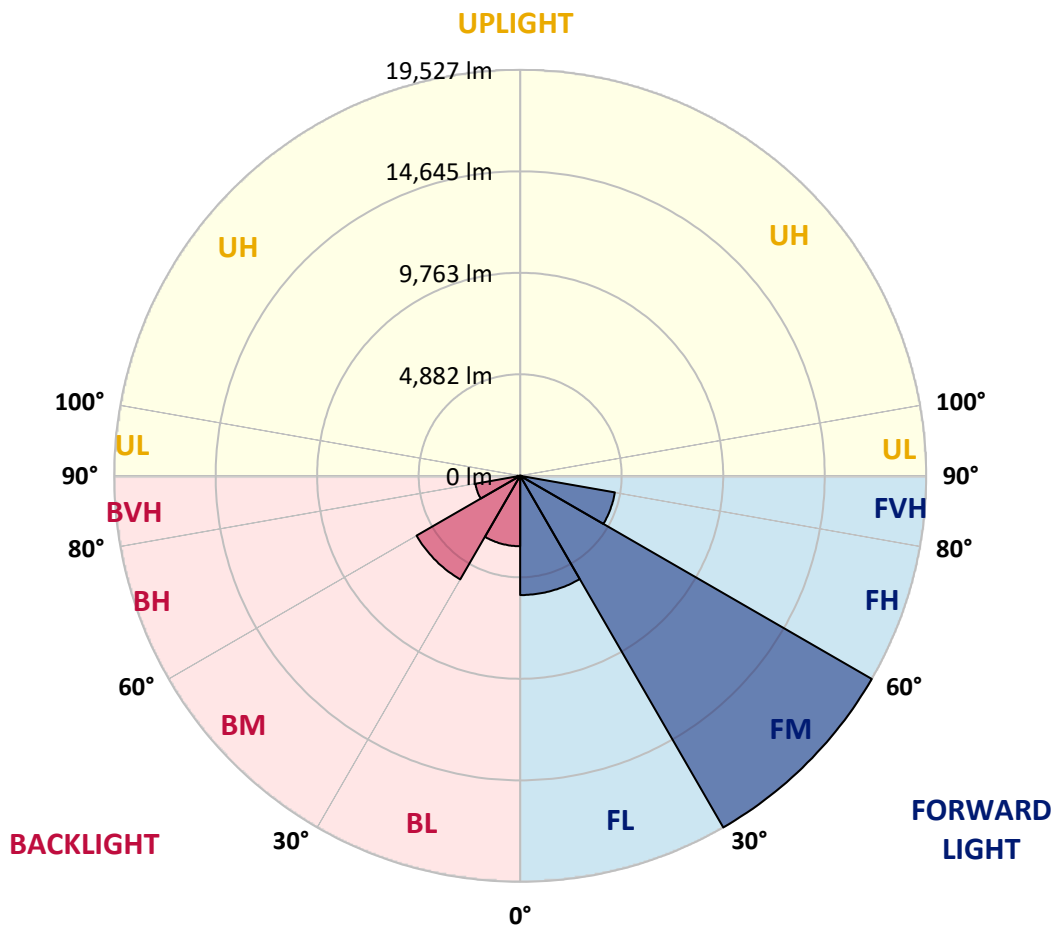
CATALOG NUMBER: GLAN-SA7C-750-U-SL3-GRSWH

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 5733.9  | 13.8      |                         |      |         |
| FM (30°-60°)   | 19526.9 | 47.1      |                         |      |         |
| FH (60°-80°)   | 4624.3  | 11.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 80.1    | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 3387.2  | 8.2       | B4/5000                 |      |         |
| BM (30°-60°)   | 5752.0  | 13.9      | B4/8500                 |      |         |
| BH (60°-80°)   | 2189.6  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 131.9   | 0.3       |                         |      | G2/225  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G3**

Type II Short





REPORT NUMBER: P532238

CATALOG NUMBER: GLAN-SA7C-750-U-SL3-GRSWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 54°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 |
| 2.5°  | 16559.7 | 16495.8 | 16506.5 | 16591.7 | 16485.2 | 16442.6 | 16442.6 | 16234.9 | 16250.9 | 16107.1 | 16069.9 |
| 5°    | 16176.4 | 16027.3 | 16128.4 | 16256.2 | 16277.5 | 16320.1 | 16389.3 | 16336.1 | 16187.0 | 16032.6 | 15782.3 |
| 7.5°  | 15175.3 | 15308.4 | 15345.7 | 15436.2 | 15627.9 | 15803.6 | 16021.9 | 15872.9 | 15867.5 | 15713.1 | 15564.0 |
| 10°   | 14296.7 | 14216.9 | 14419.2 | 14552.3 | 14871.8 | 15164.7 | 15500.1 | 15484.1 | 15564.0 | 15388.3 | 15132.7 |
| 12.5° | 13423.5 | 13359.6 | 13455.4 | 13759.0 | 14206.2 | 14632.2 | 15031.6 | 14882.5 | 15308.4 | 15276.5 | 14728.0 |
| 15°   | 12497.0 | 12544.9 | 12683.4 | 12965.6 | 13551.3 | 14062.5 | 14568.3 | 14573.6 | 14951.7 | 15079.5 | 14344.7 |
| 17.5° | 11847.4 | 11794.2 | 11969.9 | 12390.5 | 12912.3 | 13524.7 | 14099.7 | 14216.9 | 14797.3 | 14871.8 | 14227.5 |
| 20°   | 11362.9 | 11437.4 | 11666.4 | 11879.3 | 12481.0 | 13221.2 | 13870.8 | 13913.4 | 14765.3 | 14967.7 | 14041.2 |
| 22.5° | 11245.7 | 11203.1 | 11277.7 | 11623.8 | 12119.0 | 12923.0 | 13748.3 | 13908.0 | 14760.0 | 14935.7 | 13689.7 |
| 25°   | 11123.2 | 11261.7 | 11256.4 | 11602.5 | 11964.5 | 12683.4 | 13849.5 | 14025.2 | 15042.2 | 15100.8 | 13737.7 |
| 27.5° | 11400.1 | 11384.2 | 11533.2 | 11559.9 | 12007.1 | 12747.3 | 14062.5 | 14195.6 | 15510.8 | 15462.9 | 13774.9 |
| 30°   | 11677.0 | 11597.1 | 11687.7 | 12001.8 | 12209.5 | 13114.7 | 14648.2 | 14637.5 | 16117.8 | 16085.8 | 13892.1 |
| 32.5° | 12017.8 | 11980.5 | 12039.1 | 12316.0 | 12667.4 | 13604.5 | 15143.4 | 15457.5 | 16735.4 | 16937.8 | 14296.7 |
| 35°   | 12081.7 | 12236.1 | 12374.5 | 12747.3 | 13247.8 | 14397.9 | 16075.2 | 16336.1 | 17449.0 | 18082.6 | 15068.8 |
| 37.5° | 12486.4 | 12544.9 | 12869.7 | 13530.0 | 13987.9 | 15457.5 | 16666.2 | 16831.3 | 18098.6 | 18817.4 | 15883.5 |
| 40°   | 12917.7 | 12986.9 | 13476.7 | 14169.0 | 14797.3 | 16149.7 | 17220.0 | 17273.2 | 18306.2 | 19381.8 | 16416.0 |
| 42.5° | 13503.4 | 13567.3 | 14051.8 | 14919.7 | 15761.0 | 16740.8 | 17709.9 | 17768.4 | 18290.3 | 20031.4 | 17262.6 |
| 45°   | 14110.4 | 14264.8 | 14834.5 | 15819.6 | 16575.7 | 17433.0 | 17821.7 | 18061.3 | 18439.3 | 20611.8 | 17949.5 |
| 47.5° | 14962.3 | 15106.1 | 15574.7 | 16538.4 | 17422.3 | 18040.0 | 18338.2 | 18572.5 | 18796.1 | 21117.7 | 18391.4 |
| 50°   | 15867.5 | 15894.1 | 16463.9 | 17337.1 | 17986.7 | 18726.9 | 19301.9 | 19381.8 | 19264.7 | 21703.4 | 19142.2 |
| 52.5° | 16533.1 | 16618.3 | 17060.3 | 17912.2 | 18881.3 | 19791.8 | 20579.9 | 20665.1 | 20436.1 | 21921.7 | 19397.8 |
| 55°   | 15430.9 | 15383.0 | 16101.8 | 17236.0 | 19483.0 | 21378.6 | 22523.4 | 22587.3 | 21288.0 | 22597.9 | 20233.8 |
| 57.5° | 11927.3 | 12156.2 | 12768.6 | 14137.0 | 17310.5 | 22081.4 | 24024.9 | 23796.0 | 22310.4 | 22938.7 | 20766.2 |
| 60°   | 8668.6  | 8615.3  | 9025.3  | 9941.2  | 13045.4 | 19030.4 | 22715.1 | 22949.3 | 21474.4 | 20675.7 | 17124.1 |
| 62.5° | 7060.5  | 6986.0  | 7017.9  | 7049.9  | 8418.3  | 12630.1 | 16815.3 | 16810.0 | 16538.4 | 14861.2 | 11549.2 |
| 65°   | 5644.2  | 5819.9  | 5835.8  | 6075.5  | 6251.2  | 7545.1  | 9744.2  | 10266.0 | 8940.1  | 7332.1  | 5319.3  |
| 67.5° | 4254.4  | 4190.5  | 4403.5  | 5255.5  | 5585.6  | 5447.1  | 5319.3  | 5377.9  | 3823.1  | 2758.2  | 2598.4  |
| 70°   | 2507.9  | 2481.3  | 2736.9  | 3663.4  | 4600.5  | 4329.0  | 4009.5  | 4014.8  | 2625.1  | 1927.5  | 2145.8  |
| 72.5° | 1373.8  | 1368.4  | 1421.7  | 1858.3  | 2614.4  | 2715.6  | 2406.8  | 2481.3  | 1565.5  | 1560.1  | 1677.3  |
| 75°   | 766.8   | 750.8   | 734.8   | 820.0   | 942.5   | 995.7   | 1017.0  | 1027.7  | 1075.6  | 1203.4  | 1251.3  |
| 77.5° | 282.2   | 271.6   | 271.6   | 314.2   | 399.4   | 500.5   | 633.6   | 644.3   | 761.4   | 873.2   | 921.2   |
| 80°   | 95.8    | 106.5   | 143.8   | 197.0   | 266.2   | 356.8   | 431.3   | 441.9   | 537.8   | 612.3   | 628.3   |
| 82.5° | 58.6    | 63.9    | 95.8    | 138.4   | 191.7   | 250.3   | 319.5   | 324.8   | 399.4   | 447.3   | 468.6   |
| 85°   | 26.6    | 31.9    | 53.2    | 85.2    | 122.5   | 165.1   | 170.4   | 170.4   | 165.1   | 170.4   | 159.7   |
| 87.5° | 0.0     | 0.0     | 10.6    | 10.6    | 10.6    | 16.0    | 21.3    | 16.0    | 26.6    | 31.9    | 31.9    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P532238

CATALOG NUMBER: GLAN-SA7C-750-U-SL3-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 | 16101.8 |
| 2.5°  | 15958.0 | 15899.5 | 15718.4 | 15558.7 | 15510.8 | 15297.8 | 14983.6 | 15020.9 | 14791.9 | 14898.4 | 14786.6 |
| 5°    | 15739.7 | 15542.7 | 15079.5 | 14882.5 | 14366.0 | 14131.7 | 13971.9 | 13572.6 | 13386.2 | 13349.0 | 13189.2 |
| 7.5°  | 15180.6 | 15058.2 | 14477.8 | 13945.3 | 13396.9 | 12928.3 | 12326.6 | 11916.6 | 11623.8 | 11543.9 | 11309.6 |
| 10°   | 14738.7 | 14467.1 | 13663.1 | 12853.8 | 12071.0 | 11256.4 | 10473.6 | 9861.3  | 9563.1  | 9217.0  | 9099.9  |
| 12.5° | 14302.1 | 13892.1 | 12805.8 | 11767.5 | 10755.8 | 9728.2  | 8780.4  | 8034.9  | 7385.3  | 7230.9  | 7177.7  |
| 15°   | 14030.5 | 13317.0 | 12039.1 | 10787.8 | 9350.1  | 8008.3  | 7060.5  | 6570.6  | 6171.3  | 6006.2  | 6123.4  |
| 17.5° | 13673.8 | 12843.1 | 11304.3 | 9637.7  | 8056.2  | 6820.9  | 6027.5  | 5724.0  | 5580.3  | 5596.2  | 5548.3  |
| 20°   | 13226.5 | 12395.8 | 10340.5 | 8594.0  | 6900.8  | 5915.7  | 5463.1  | 5351.3  | 5372.6  | 5409.9  | 5393.9  |
| 22.5° | 12907.0 | 11852.7 | 9643.0  | 7529.1  | 5963.6  | 5415.2  | 5228.8  | 5149.0  | 5218.2  | 5250.1  | 5223.5  |
| 25°   | 12662.1 | 11389.5 | 8796.4  | 6586.6  | 5420.5  | 5133.0  | 5047.8  | 5042.5  | 5149.0  | 5191.6  | 5164.9  |
| 27.5° | 12438.4 | 10958.2 | 7955.1  | 5867.8  | 5058.4  | 4914.7  | 4888.0  | 4951.9  | 5021.2  | 5063.8  | 5101.0  |
| 30°   | 12305.3 | 10628.0 | 7167.0  | 5266.1  | 4877.4  | 4808.2  | 4760.3  | 4818.8  | 4856.1  | 4898.7  | 4877.4  |
| 32.5° | 12433.1 | 10393.8 | 6405.6  | 4925.3  | 4728.3  | 4659.1  | 4723.0  | 4685.7  | 4749.6  | 4786.9  | 4728.3  |
| 35°   | 12832.5 | 10186.1 | 5862.5  | 4744.3  | 4557.9  | 4584.5  | 4595.2  | 4579.2  | 4605.8  | 4573.9  | 4643.1  |
| 37.5° | 13226.5 | 10111.6 | 5361.9  | 4589.9  | 4478.1  | 4478.1  | 4467.4  | 4435.5  | 4488.7  | 4478.1  | 4510.0  |
| 40°   | 13727.0 | 10159.5 | 4936.0  | 4424.8  | 4403.5  | 4392.9  | 4350.3  | 4344.9  | 4323.6  | 4329.0  | 4339.6  |
| 42.5° | 14163.6 | 10266.0 | 4691.0  | 4318.3  | 4334.3  | 4355.6  | 4275.7  | 4211.8  | 4238.4  | 4185.2  | 4185.2  |
| 45°   | 14626.9 | 10361.8 | 4472.7  | 4243.8  | 4227.8  | 4222.5  | 4158.6  | 4121.3  | 4100.0  | 4105.3  | 4153.2  |
| 47.5° | 15356.4 | 10500.3 | 4307.7  | 4142.6  | 4153.2  | 4073.4  | 4057.4  | 4009.5  | 4030.8  | 4062.7  | 4068.1  |
| 50°   | 15872.9 | 10793.1 | 4179.9  | 4025.5  | 4062.7  | 4009.5  | 3913.6  | 3892.3  | 3892.3  | 3945.6  | 3934.9  |
| 52.5° | 16234.9 | 11203.1 | 4057.4  | 3897.7  | 3913.6  | 3871.0  | 3839.1  | 3791.2  | 3759.2  | 3833.8  | 3871.0  |
| 55°   | 17342.5 | 11884.7 | 4025.5  | 3791.2  | 3785.8  | 3743.2  | 3684.7  | 3636.8  | 3620.8  | 3631.4  | 3706.0  |
| 57.5° | 17236.0 | 11671.7 | 3924.3  | 3604.8  | 3594.2  | 3535.6  | 3477.0  | 3461.0  | 3455.7  | 3466.4  | 3487.7  |
| 60°   | 13993.2 | 8620.6  | 3503.6  | 3391.8  | 3375.8  | 3365.2  | 3306.6  | 3242.7  | 3210.8  | 3242.7  | 3216.1  |
| 62.5° | 9259.6  | 5771.9  | 3088.3  | 3136.2  | 3146.9  | 3120.3  | 3024.4  | 2960.5  | 2971.2  | 3008.4  | 2949.9  |
| 65°   | 4547.3  | 3391.8  | 2800.8  | 2928.6  | 2939.2  | 2864.7  | 2774.2  | 2699.6  | 2662.3  | 2694.3  | 2667.7  |
| 67.5° | 2598.4  | 2593.1  | 2566.5  | 2699.6  | 2694.3  | 2619.7  | 2476.0  | 2412.1  | 2348.2  | 2358.8  | 2342.9  |
| 70°   | 2204.4  | 2247.0  | 2300.3  | 2380.1  | 2374.8  | 2289.6  | 2119.2  | 2071.3  | 1980.8  | 1970.1  | 1943.5  |
| 72.5° | 1735.8  | 1810.4  | 1927.5  | 1986.1  | 1938.2  | 1831.7  | 1719.9  | 1640.0  | 1560.1  | 1512.2  | 1528.2  |
| 75°   | 1288.6  | 1395.1  | 1459.0  | 1496.2  | 1421.7  | 1363.1  | 1272.6  | 1176.8  | 1080.9  | 1038.3  | 1022.3  |
| 77.5° | 937.1   | 969.1   | 1027.7  | 1054.3  | 1006.4  | 947.8   | 894.5   | 798.7   | 708.2   | 649.6   | 633.6   |
| 80°   | 654.9   | 676.2   | 718.8   | 718.8   | 718.8   | 692.2   | 623.0   | 527.1   | 468.6   | 415.3   | 404.7   |
| 82.5° | 457.9   | 479.2   | 521.8   | 500.5   | 495.2   | 463.2   | 420.6   | 346.1   | 282.2   | 244.9   | 234.3   |
| 85°   | 159.7   | 175.7   | 213.0   | 255.6   | 271.6   | 266.2   | 239.6   | 191.7   | 149.1   | 122.5   | 111.8   |
| 87.5° | 37.3    | 37.3    | 42.6    | 37.3    | 37.3    | 42.6    | 37.3    | 37.3    | 37.3    | 26.6    | 21.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)