

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: P529349

Luminaire Tested: **GLAN-SA4C-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4C-730-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

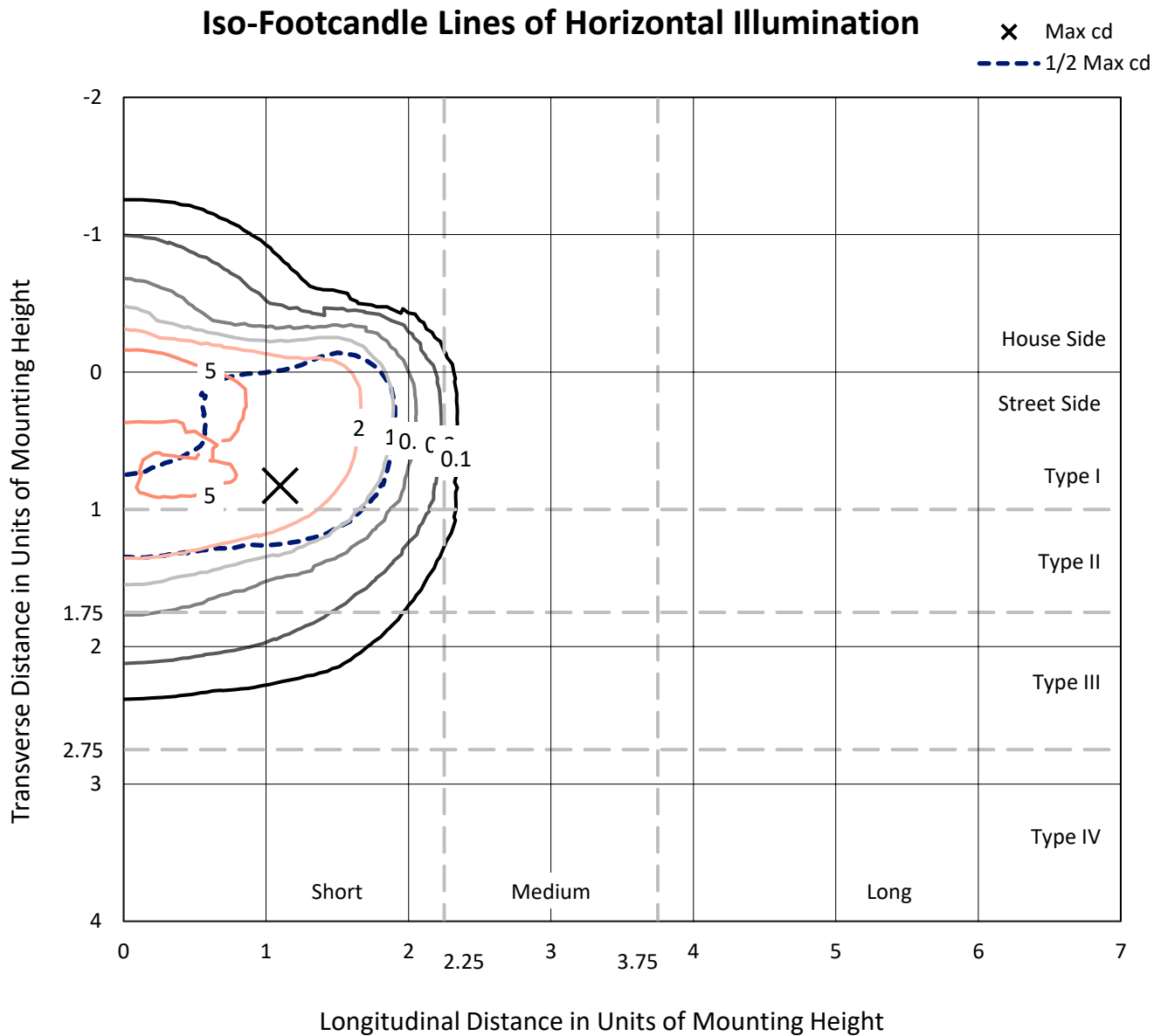
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14784 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 213  
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



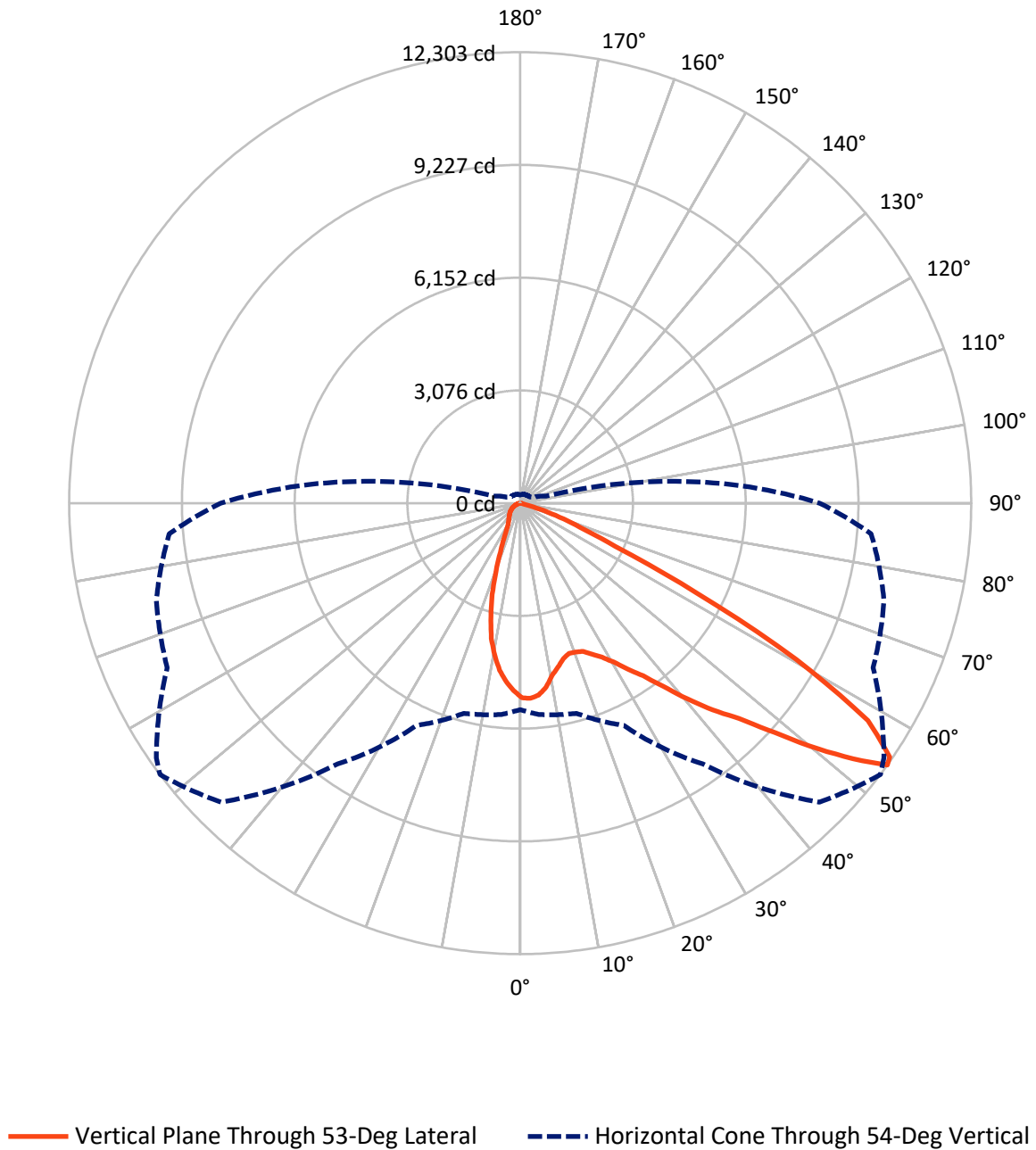
CATALOG NUMBER: GLAN-SA4C-730-U-SL2-GRSBK



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
Type II - Short - N/A

REPORT NUMBER: P529349  
CATALOG NUMBER: GLAN-SA4C-730-U-SL2-GRSBK

## Luminous Intensity Polar Plot



REPORT NUMBER: P529349

CATALOG NUMBER: GLAN-SA4C-730-U-SL2-GRSBK

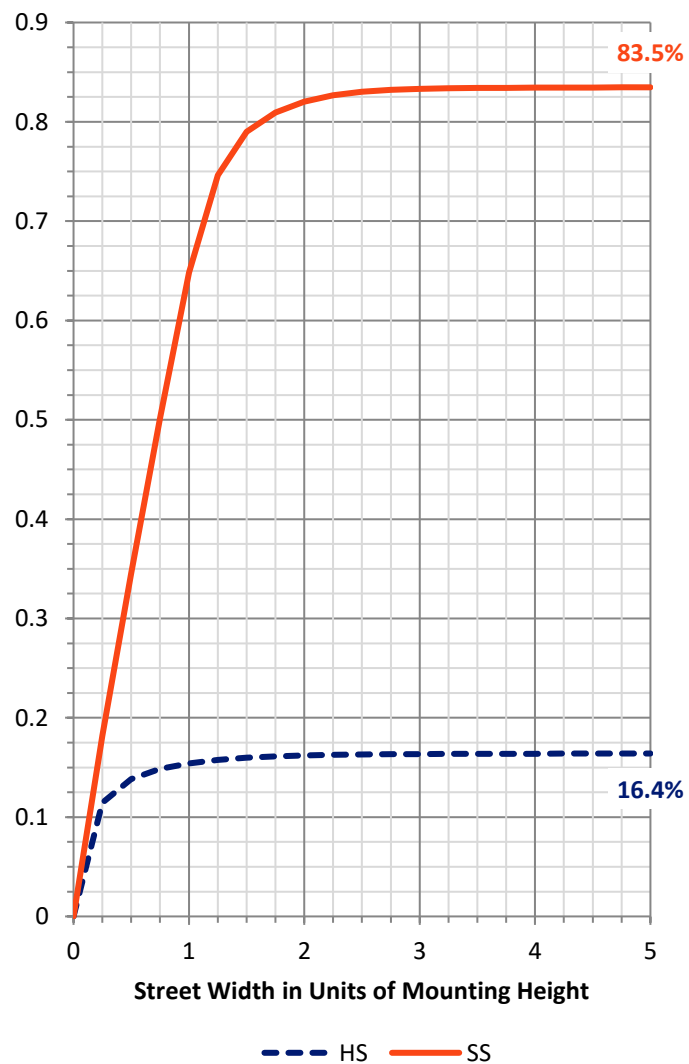
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2446.1   | 0.0    | 2446.1  |
|                    | % Fixture | 16.5     | 0.0    | 16.5    |
| <b>Street Side</b> | Lumens    | 12337.9  | 0.0    | 12337.9 |
|                    | % Fixture | 83.5     | 0.0    | 83.5    |
| <b>Total</b>       | Lumens    | 14784.0  | 0.0    | 14784.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 455.6   | 3.1       |
| 10°-20°   | 1044.5  | 7.1       |
| 20°-30°   | 1484.5  | 10.0      |
| 30°-40°   | 2291.0  | 15.5      |
| 40°-50°   | 3592.1  | 24.3      |
| 50°-60°   | 4172.7  | 28.2      |
| 60°-70°   | 1576.7  | 10.7      |
| 70°-80°   | 149.9   | 1.0       |
| 80°-90°   | 16.9    | 0.1       |
| 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°    | 14784.0 | 100.0     |
| 0°-180°   | 14784.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P529349

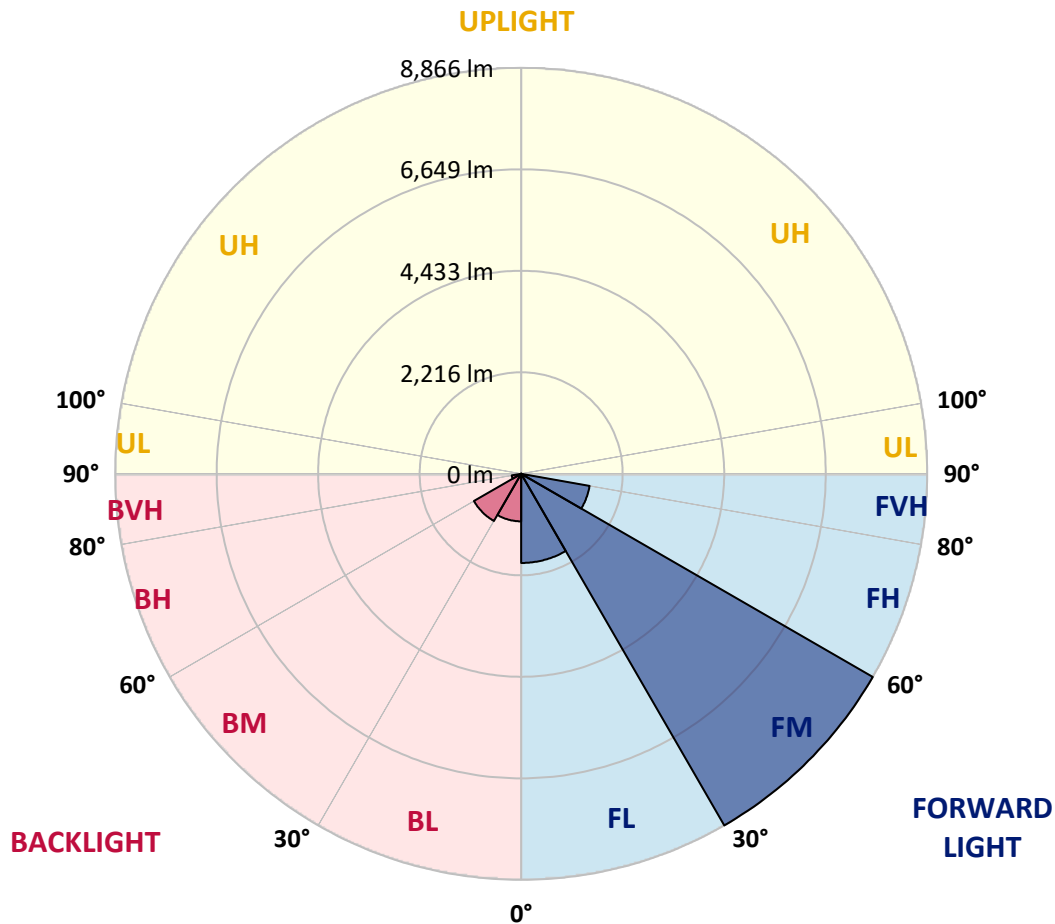
CATALOG NUMBER: GLAN-SA4C-730-U-SL2-GRSBK

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1946.7 | 13.2      |                         |      |         |
| FM   | (30°-60°)   | 8865.5 | 60.0      |                         |      |         |
| FH   | (60°-80°)   | 1517.1 | 10.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 8.7    | 0.1       |                         |      | G0/10   |
| BL   | (0°-30°)    | 1038.0 | 7.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1190.3 | 8.1       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 209.6  | 1.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.2    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type II Short



REPORT NUMBER: P529349

CATALOG NUMBER: GLAN-SA4C-730-U-SL2-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 53°     | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2  | 5310.2  | 5310.2  | 5310.2  | 5310.2  | 5310.2  | 5310.2  |
| 2.5°  | 5282.6 | 5235.8 | 5282.6 | 5288.1 | 5321.2  | 5351.5  | 5332.2  | 5376.3  | 5351.5  | 5323.9  | 5315.7  |
| 5°    | 4855.7 | 4919.1 | 4921.8 | 5021.0 | 4998.9  | 5180.7  | 5260.6  | 5238.6  | 5373.5  | 5365.2  | 5346.0  |
| 7.5°  | 4472.9 | 4448.1 | 4481.1 | 4596.8 | 4742.8  | 4952.1  | 5067.8  | 5065.0  | 5257.8  | 5395.5  | 5381.8  |
| 10°   | 4117.6 | 4114.8 | 4183.7 | 4274.6 | 4398.5  | 4618.9  | 4778.6  | 4858.5  | 5158.7  | 5368.0  | 5398.3  |
| 12.5° | 3878.0 | 3866.9 | 3941.3 | 4015.7 | 4211.2  | 4382.0  | 4585.8  | 4624.4  | 4968.6  | 5271.6  | 5321.2  |
| 15°   | 3721.0 | 3745.8 | 3751.3 | 3894.5 | 4018.4  | 4244.3  | 4404.0  | 4483.9  | 4880.5  | 5194.5  | 5384.5  |
| 17.5° | 3693.4 | 3726.5 | 3729.2 | 3847.7 | 3979.9  | 4169.9  | 4310.4  | 4417.8  | 4806.1  | 5233.0  | 5387.3  |
| 20°   | 3748.5 | 3729.2 | 3745.8 | 3820.1 | 3949.6  | 4131.4  | 4335.2  | 4371.0  | 4781.4  | 5252.3  | 5417.6  |
| 22.5° | 3905.5 | 3900.0 | 3858.7 | 3919.3 | 4010.2  | 4200.2  | 4393.0  | 4448.1  | 4853.0  | 5351.5  | 5442.4  |
| 25°   | 4079.0 | 4109.3 | 4070.8 | 4062.5 | 4125.8  | 4313.1  | 4569.3  | 4640.9  | 5092.6  | 5530.5  | 5519.5  |
| 27.5° | 4404.0 | 4373.7 | 4373.7 | 4335.2 | 4318.6  | 4409.5  | 4759.3  | 4877.7  | 5359.7  | 5761.9  | 5607.6  |
| 30°   | 4715.2 | 4748.3 | 4723.5 | 4737.3 | 4627.1  | 4618.9  | 5029.2  | 5175.2  | 5833.5  | 6114.4  | 5794.9  |
| 32.5° | 5208.3 | 5164.2 | 5205.5 | 5169.7 | 5023.7  | 4875.0  | 5395.5  | 5547.0  | 6406.3  | 6519.3  | 6075.8  |
| 35°   | 5618.6 | 5599.4 | 5775.6 | 5770.1 | 5533.3  | 5387.3  | 5783.9  | 6009.7  | 6805.7  | 7004.0  | 6406.3  |
| 37.5° | 6202.5 | 6166.7 | 6367.8 | 6464.2 | 6252.1  | 6034.5  | 6340.2  | 6601.9  | 7177.5  | 7392.4  | 6745.1  |
| 40°   | 6803.0 | 6893.8 | 7163.8 | 7323.5 | 7097.7  | 6808.5  | 7020.5  | 7100.4  | 7425.4  | 7645.8  | 6976.5  |
| 42.5° | 7563.1 | 7695.3 | 7970.8 | 8108.5 | 8089.2  | 7775.2  | 7711.9  | 7709.1  | 7604.4  | 7574.1  | 7147.2  |
| 45°   | 8293.0 | 8243.4 | 8667.6 | 8967.8 | 9210.2  | 9119.3  | 8378.4  | 8295.8  | 7888.1  | 7681.6  | 7191.3  |
| 47.5° | 8612.5 | 8596.0 | 8885.2 | 9419.5 | 10245.8 | 10358.7 | 9347.9  | 9028.4  | 8367.4  | 8133.3  | 7430.9  |
| 50°   | 8199.4 | 8284.7 | 8571.2 | 9163.3 | 10430.3 | 11292.4 | 10537.7 | 10108.0 | 8926.5  | 8684.1  | 7998.3  |
| 52.5° | 6849.8 | 6907.6 | 7180.3 | 7932.2 | 9802.3  | 11843.2 | 11678.0 | 11430.1 | 9953.8  | 9551.7  | 8987.1  |
| 54°   | 5632.4 | 5786.6 | 5935.4 | 6690.0 | 8684.1  | 11537.5 | 12303.2 | 12113.1 | 10623.1 | 10273.3 | 9609.5  |
| 55°   | 4905.3 | 4996.2 | 5103.6 | 5855.5 | 7910.2  | 11019.7 | 12231.6 | 12248.1 | 11072.0 | 10499.1 | 10028.2 |
| 57.5° | 3583.3 | 3646.6 | 3536.4 | 3869.7 | 5431.3  | 8948.5  | 11187.7 | 11633.9 | 11678.0 | 10837.9 | 10284.3 |
| 60°   | 2737.7 | 2765.3 | 2641.3 | 2693.6 | 3376.7  | 6141.9  | 8653.8  | 9190.9  | 10534.9 | 9471.8  | 8711.6  |
| 62.5° | 2123.5 | 2129.0 | 2126.3 | 2217.2 | 2327.3  | 3613.6  | 5412.1  | 5888.6  | 7262.9  | 6725.8  | 5916.1  |
| 65°   | 1564.4 | 1539.6 | 1583.7 | 1859.1 | 1985.8  | 2272.2  | 2850.6  | 3197.7  | 3946.8  | 3332.6  | 2382.4  |
| 67.5° | 1013.6 | 1021.8 | 1065.9 | 1382.6 | 1702.1  | 1743.4  | 1754.4  | 1726.9  | 1729.7  | 953.0   | 597.7   |
| 70°   | 608.7  | 622.5  | 608.7  | 782.2  | 1217.4  | 1250.4  | 1143.0  | 1115.5  | 870.3   | 225.8   | 223.1   |
| 72.5° | 360.8  | 341.5  | 305.7  | 336.0  | 506.8   | 605.9   | 545.3   | 542.6   | 341.5   | 132.2   | 132.2   |
| 75°   | 151.5  | 137.7  | 112.9  | 101.9  | 135.0   | 129.4   | 129.4   | 115.7   | 90.9    | 88.1    | 82.6    |
| 77.5° | 30.3   | 30.3   | 22.0   | 24.8   | 33.1    | 38.6    | 46.8    | 46.8    | 55.1    | 55.1    | 52.3    |
| 80°   | 0.0    | 2.8    | 8.3    | 16.5   | 24.8    | 35.8    | 41.3    | 41.3    | 46.8    | 46.8    | 38.6    |
| 82.5° | 0.0    | 2.8    | 8.3    | 16.5   | 22.0    | 33.1    | 41.3    | 41.3    | 46.8    | 49.6    | 41.3    |
| 85°   | 0.0    | 2.8    | 8.3    | 13.8   | 22.0    | 27.5    | 27.5    | 24.8    | 19.3    | 16.5    | 11.0    |
| 87.5° | 0.0    | 0.0    | 2.8    | 5.5    | 2.8     | 5.5     | 5.5     | 5.5     | 5.5     | 5.5     | 5.5     |
| 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: P529349

CATALOG NUMBER: GLAN-SA4C-730-U-SL2-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2 | 5310.2 |
| 2.5°  | 5335.0 | 5332.2 | 5266.1 | 5158.7 | 5133.9 | 5043.0 | 5032.0 | 4976.9 | 5007.2 | 4905.3 | 4894.3 |
| 5°    | 5290.9 | 5257.8 | 5178.0 | 5109.1 | 4908.0 | 4764.8 | 4651.9 | 4514.2 | 4434.3 | 4448.1 | 4395.8 |
| 7.5°  | 5354.2 | 5268.9 | 5128.4 | 4888.8 | 4643.6 | 4393.0 | 4258.0 | 3977.1 | 3875.2 | 3723.7 | 3701.7 |
| 10°   | 5288.1 | 5224.8 | 5007.2 | 4610.6 | 4271.8 | 3911.0 | 3594.3 | 3283.0 | 3046.2 | 2944.3 | 2922.2 |
| 12.5° | 5282.6 | 5172.5 | 4808.9 | 4368.2 | 3878.0 | 3360.2 | 2900.2 | 2511.9 | 2277.8 | 2145.5 | 2115.3 |
| 15°   | 5197.2 | 5065.0 | 4585.8 | 3993.6 | 3316.1 | 2671.6 | 2170.3 | 1795.8 | 1616.7 | 1539.6 | 1561.7 |
| 17.5° | 5205.5 | 5007.2 | 4362.7 | 3597.0 | 2762.5 | 1961.0 | 1481.8 | 1289.0 | 1242.2 | 1261.4 | 1261.4 |
| 20°   | 5197.2 | 4877.7 | 4092.8 | 3139.8 | 2115.3 | 1360.6 | 1087.9 | 1019.1 | 1049.4 | 1110.0 | 1096.2 |
| 22.5° | 5153.2 | 4817.2 | 3844.9 | 2657.8 | 1556.1 | 1008.0 | 873.1  | 875.8  | 922.7  | 997.0  | 1013.6 |
| 25°   | 5186.2 | 4682.2 | 3530.9 | 2170.3 | 1134.7 | 804.2  | 757.4  | 776.7  | 826.3  | 881.4  | 892.4  |
| 27.5° | 5161.4 | 4585.8 | 3203.2 | 1685.6 | 829.0  | 691.3  | 688.6  | 710.6  | 732.6  | 773.9  | 773.9  |
| 30°   | 5189.0 | 4497.7 | 2880.9 | 1253.2 | 683.1  | 633.5  | 622.5  | 639.0  | 661.0  | 669.3  | 666.5  |
| 32.5° | 5290.9 | 4431.6 | 2509.1 | 936.4  | 603.2  | 578.4  | 578.4  | 578.4  | 575.6  | 586.7  | 589.4  |
| 35°   | 5514.0 | 4442.6 | 2181.4 | 724.4  | 550.8  | 531.6  | 523.3  | 512.3  | 506.8  | 512.3  | 515.0  |
| 37.5° | 5756.3 | 4437.1 | 1842.6 | 616.9  | 512.3  | 495.8  | 476.5  | 460.0  | 457.2  | 462.7  | 454.4  |
| 40°   | 5863.8 | 4489.4 | 1528.6 | 553.6  | 476.5  | 457.2  | 426.9  | 413.1  | 415.9  | 421.4  | 415.9  |
| 42.5° | 6009.7 | 4505.9 | 1324.8 | 504.0  | 443.4  | 413.1  | 393.9  | 377.3  | 374.6  | 382.8  | 380.1  |
| 45°   | 6007.0 | 4412.3 | 1110.0 | 476.5  | 413.1  | 380.1  | 355.3  | 341.5  | 341.5  | 347.0  | 349.8  |
| 47.5° | 6183.3 | 4398.5 | 953.0  | 451.7  | 391.1  | 358.1  | 327.8  | 316.7  | 314.0  | 314.0  | 308.5  |
| 50°   | 6593.6 | 4591.3 | 831.8  | 424.2  | 363.6  | 333.3  | 308.5  | 294.7  | 283.7  | 278.2  | 275.4  |
| 52.5° | 7395.1 | 5191.7 | 738.1  | 391.1  | 333.3  | 308.5  | 286.4  | 275.4  | 261.7  | 247.9  | 245.1  |
| 54°   | 8171.8 | 5811.4 | 732.6  | 363.6  | 308.5  | 291.9  | 272.7  | 267.2  | 250.6  | 231.4  | 225.8  |
| 55°   | 8521.6 | 6172.2 | 751.9  | 341.5  | 291.9  | 280.9  | 264.4  | 258.9  | 242.4  | 220.3  | 217.6  |
| 57.5° | 8810.8 | 6312.7 | 740.9  | 283.7  | 264.4  | 261.7  | 247.9  | 239.6  | 220.3  | 190.0  | 184.5  |
| 60°   | 7092.2 | 4773.1 | 531.6  | 250.6  | 242.4  | 236.9  | 225.8  | 220.3  | 195.6  | 162.5  | 159.7  |
| 62.5° | 4481.1 | 2746.0 | 338.8  | 220.3  | 212.1  | 203.8  | 190.0  | 184.5  | 162.5  | 129.4  | 121.2  |
| 65°   | 1908.7 | 1137.5 | 228.6  | 195.6  | 181.8  | 168.0  | 157.0  | 148.7  | 129.4  | 96.4   | 93.6   |
| 67.5° | 495.8  | 404.9  | 190.0  | 170.8  | 151.5  | 132.2  | 123.9  | 110.2  | 88.1   | 66.1   | 63.3   |
| 70°   | 223.1  | 203.8  | 159.7  | 143.2  | 121.2  | 101.9  | 90.9   | 77.1   | 57.8   | 44.1   | 41.3   |
| 72.5° | 132.2  | 129.4  | 121.2  | 107.4  | 90.9   | 77.1   | 66.1   | 52.3   | 38.6   | 24.8   | 24.8   |
| 75°   | 82.6   | 79.9   | 82.6   | 74.4   | 63.3   | 57.8   | 49.6   | 35.8   | 22.0   | 11.0   | 11.0   |
| 77.5° | 49.6   | 49.6   | 49.6   | 46.8   | 44.1   | 44.1   | 35.8   | 22.0   | 11.0   | 2.8    | 2.8    |
| 80°   | 38.6   | 38.6   | 41.3   | 38.6   | 38.6   | 38.6   | 30.3   | 16.5   | 5.5    | 0.0    | 0.0    |
| 82.5° | 38.6   | 41.3   | 46.8   | 44.1   | 38.6   | 33.1   | 27.5   | 16.5   | 5.5    | 0.0    | 0.0    |
| 85°   | 11.0   | 8.3    | 13.8   | 19.3   | 27.5   | 24.8   | 19.3   | 13.8   | 5.5    | 0.0    | 0.0    |
| 87.5° | 5.5    | 5.5    | 5.5    | 5.5    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 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    | 0.0    |

(END OF REPORT)