

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: P529826

Luminaire Tested: **GLAN-SA5A-730-U-T2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5A-730-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17495 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 154  
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

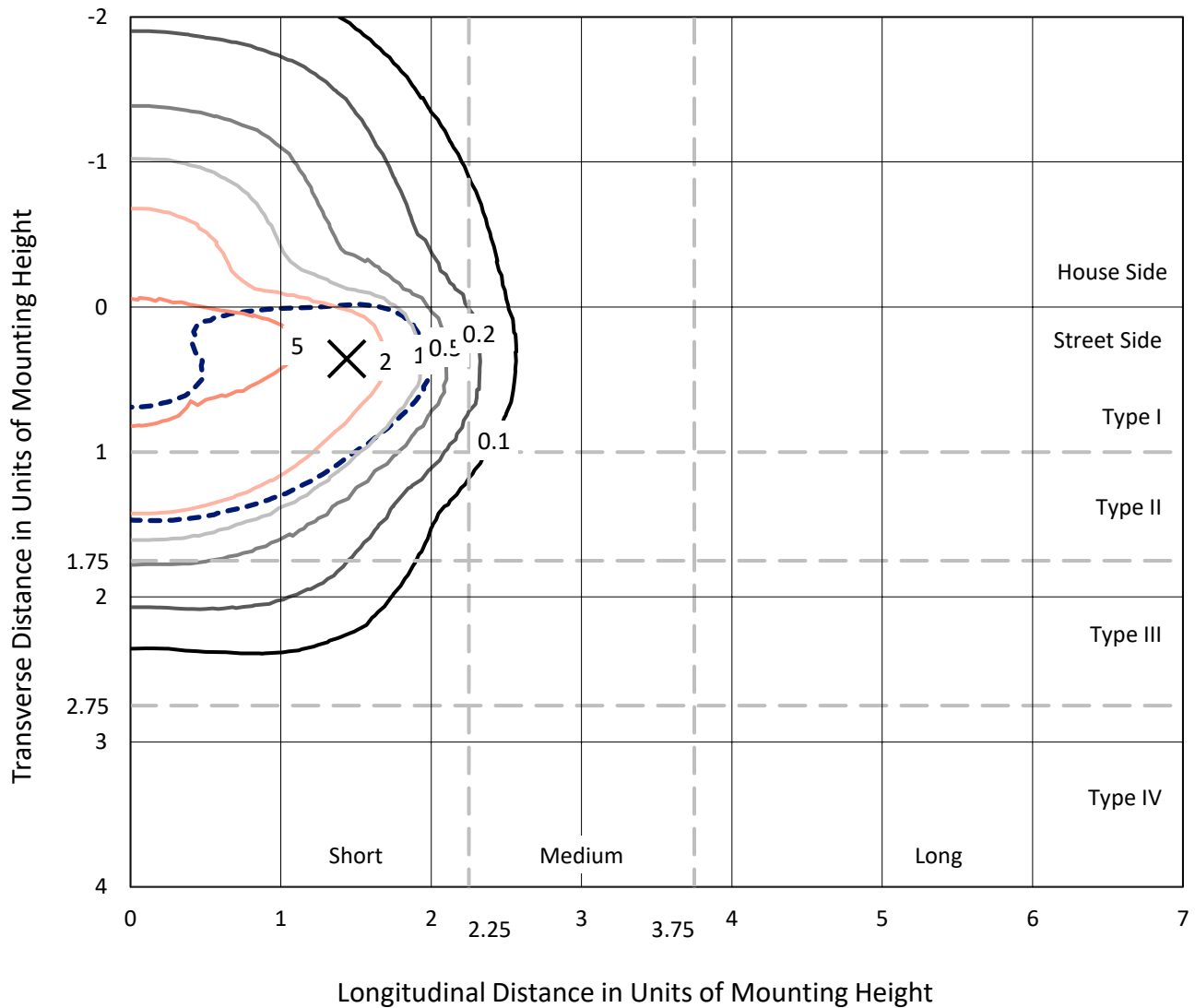


REPORT NUMBER: P529826

CATALOG NUMBER: GLAN-SA5A-730-U-T2-GRSWH

## Iso-Footcandle Lines of Horizontal Illumination

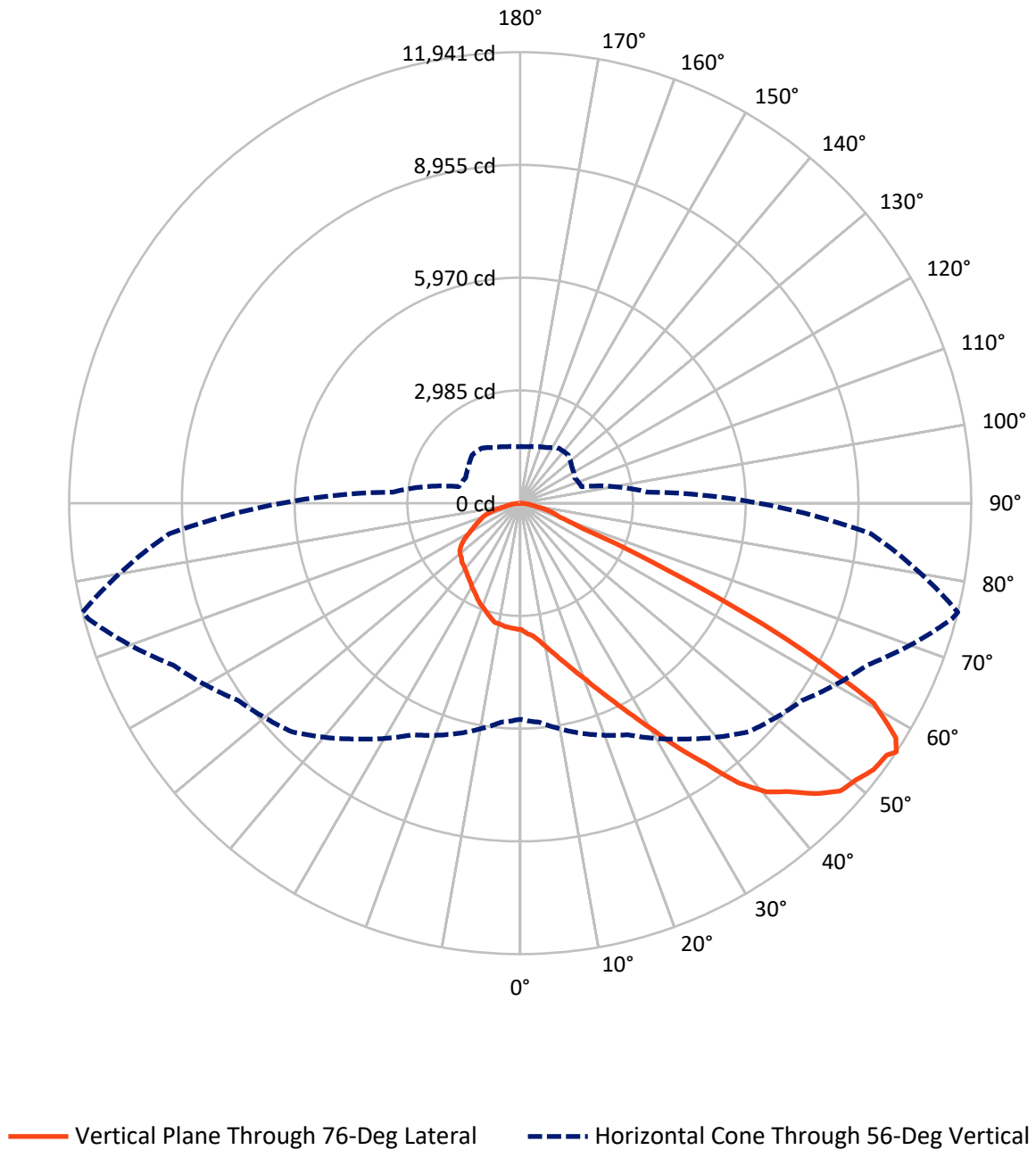
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P529826  
CATALOG NUMBER: GLAN-SA5A-730-U-T2-GRSWH

## Luminous Intensity Polar Plot



REPORT NUMBER: P529826

CATALOG NUMBER: GLAN-SA5A-730-U-T2-GRSWH

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4703.9   | 0.0    | 4703.9  |
|                    | % Fixture | 26.9     | 0.0    | 26.9    |
| <b>Street Side</b> | Lumens    | 12791.1  | 0.0    | 12791.1 |
|                    | % Fixture | 73.1     | 0.0    | 73.1    |
| <b>Total</b>       | Lumens    | 17495.0  | 0.0    | 17495.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 332.0   | 1.9       |
| 10°-20°   | 1042.8  | 6.0       |
| 20°-30°   | 1823.7  | 10.4      |
| 30°-40°   | 2855.4  | 16.3      |
| 40°-50°   | 4153.9  | 23.7      |
| 50°-60°   | 4565.4  | 26.1      |
| 60°-70°   | 2037.8  | 11.6      |
| 70°-80°   | 588.6   | 3.4       |
| 80°-90°   | 95.5    | 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°    | 17495.0 | 100.0     |
| 0°-180°   | 17495.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P529826

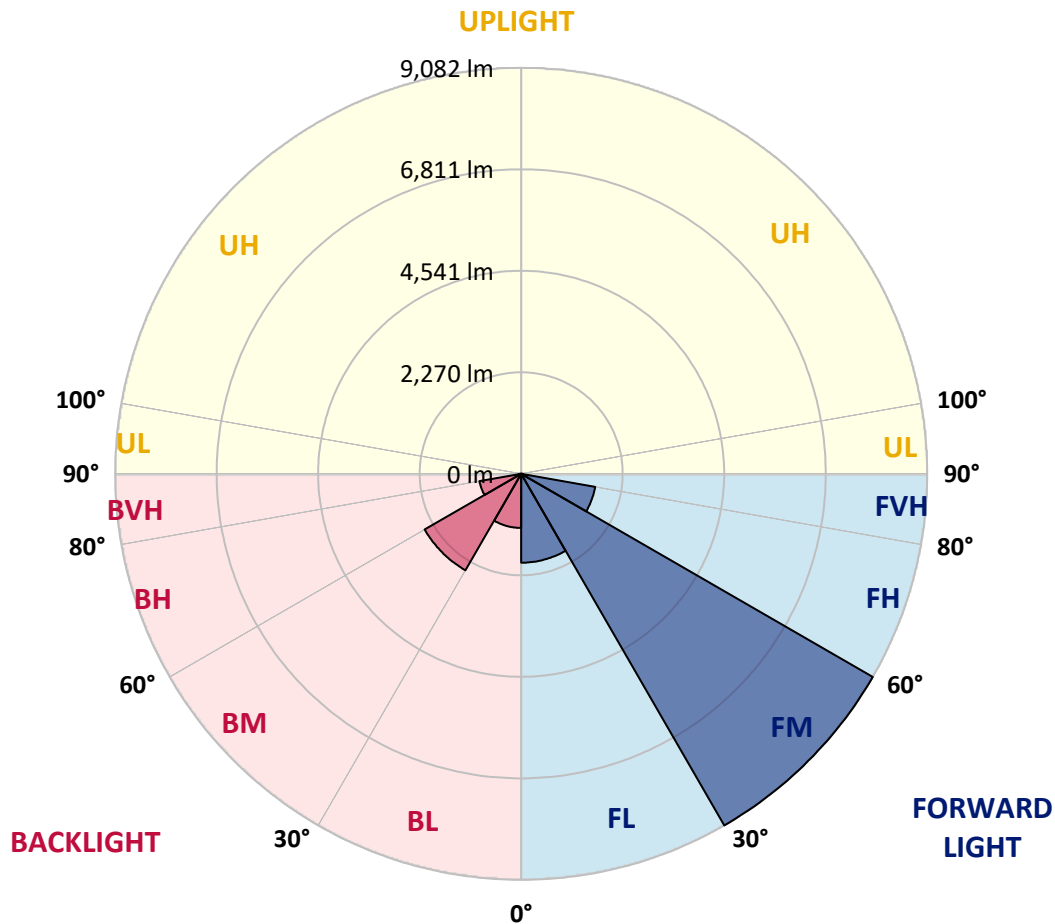
CATALOG NUMBER: GLAN-SA5A-730-U-T2-GRSWH

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1988.1 | 11.4      |                         |      |         |
| FM   | (30°-60°)   | 9082.0 | 51.9      |                         |      |         |
| FH   | (60°-80°)   | 1679.9 | 9.6       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 41.1   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1210.4 | 6.9       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2492.7 | 14.2      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 946.4  | 5.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 54.4   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type II Short



REPORT NUMBER: P529826

CATALOG NUMBER: GLAN-SA5A-730-U-T2-GRSWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 76°     | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|
| 0°    | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4  | 3347.4  | 3347.4  | 3347.4 |
| 2.5°  | 3687.6 | 3628.7 | 3624.1 | 3608.3 | 3617.3 | 3576.5 | 3533.4 | 3476.7  | 3417.7  | 3454.0  | 3367.9 |
| 5°    | 3946.2 | 3866.8 | 3898.5 | 3844.1 | 3850.9 | 3796.5 | 3708.0 | 3642.3  | 3569.7  | 3526.6  | 3465.4 |
| 7.5°  | 4036.9 | 4043.7 | 4066.4 | 4057.3 | 4011.9 | 4011.9 | 3953.0 | 3837.3  | 3710.3  | 3685.4  | 3583.3 |
| 10°   | 4159.4 | 4161.6 | 4136.7 | 4143.5 | 4207.0 | 4177.5 | 4125.3 | 4075.4  | 3912.2  | 3882.7  | 3701.2 |
| 12.5° | 4202.4 | 4161.6 | 4202.4 | 4238.7 | 4313.6 | 4354.4 | 4343.1 | 4306.8  | 4132.1  | 4111.7  | 3846.4 |
| 15°   | 4209.3 | 4184.3 | 4218.3 | 4300.0 | 4365.7 | 4538.1 | 4624.3 | 4599.3  | 4368.0  | 4370.3  | 4009.7 |
| 17.5° | 4177.5 | 4211.5 | 4225.1 | 4295.4 | 4447.4 | 4608.4 | 4857.9 | 4891.9  | 4701.4  | 4671.9  | 4216.1 |
| 20°   | 4220.6 | 4195.6 | 4213.8 | 4277.3 | 4479.1 | 4730.9 | 5057.5 | 5282.0  | 5014.4  | 4994.0  | 4429.2 |
| 22.5° | 4386.1 | 4352.1 | 4347.6 | 4388.4 | 4533.6 | 4794.4 | 5268.4 | 5672.1  | 5395.4  | 5406.7  | 4694.6 |
| 25°   | 4515.4 | 4533.6 | 4517.7 | 4515.4 | 4606.1 | 4889.6 | 5547.3 | 6137.0  | 5912.5  | 5846.7  | 5007.6 |
| 27.5° | 4737.7 | 4780.8 | 4749.0 | 4792.1 | 4771.7 | 5032.5 | 5746.9 | 6651.8  | 6470.4  | 6381.9  | 5291.0 |
| 30°   | 5046.1 | 5068.8 | 5039.3 | 5039.3 | 4978.1 | 5232.1 | 5928.3 | 7189.3  | 7114.5  | 6994.3  | 5624.4 |
| 32.5° | 5452.1 | 5486.1 | 5427.1 | 5393.1 | 5384.0 | 5529.2 | 6254.9 | 7720.0  | 7847.0  | 7744.9  | 6066.7 |
| 35°   | 5989.6 | 5969.2 | 5898.8 | 5867.1 | 5744.6 | 5985.0 | 6740.2 | 8330.1  | 8663.4  | 8482.0  | 6601.9 |
| 37.5° | 6463.6 | 6431.8 | 6427.3 | 6250.4 | 6279.9 | 6477.2 | 7153.0 | 8792.7  | 9454.9  | 9402.8  | 7166.6 |
| 40°   | 6905.8 | 6935.3 | 6982.9 | 6883.1 | 6837.8 | 7055.5 | 7633.8 | 9146.5  | 10069.5 | 10049.1 | 7602.1 |
| 42.5° | 7379.8 | 7352.6 | 7436.5 | 7352.6 | 7284.5 | 7593.0 | 8155.4 | 9391.4  | 10609.3 | 10441.5 | 8057.9 |
| 45°   | 8067.0 | 7980.8 | 8010.3 | 8017.1 | 7967.2 | 8080.6 | 8370.9 | 9568.3  | 10988.1 | 10969.9 | 8391.3 |
| 47.5° | 8640.8 | 8643.0 | 8593.1 | 8554.6 | 8402.6 | 8516.0 | 8611.3 | 9679.5  | 11423.5 | 11394.0 | 8520.6 |
| 50°   | 8853.9 | 8824.5 | 8969.6 | 9053.5 | 9062.6 | 8831.3 | 8799.5 | 9740.7  | 11652.6 | 11523.3 | 8649.8 |
| 52.5° | 8087.4 | 8114.6 | 8343.7 | 8842.6 | 9130.6 | 9155.6 | 9019.5 | 9867.7  | 11745.5 | 11718.3 | 8754.2 |
| 55°   | 6508.9 | 6640.5 | 7016.9 | 7593.0 | 8275.6 | 9026.3 | 9257.6 | 9999.2  | 11795.4 | 11772.8 | 9216.8 |
| 56°   | 5722.0 | 5824.0 | 6313.9 | 6765.2 | 7622.5 | 8556.8 | 9107.9 | 10139.9 | 11834.0 | 11940.6 | 9325.7 |
| 57.5° | 4606.1 | 4724.1 | 5075.6 | 5588.1 | 6599.6 | 7663.3 | 8695.2 | 9967.5  | 11684.3 | 11725.1 | 9405.0 |
| 60°   | 2880.3 | 2891.6 | 3313.4 | 3651.3 | 4363.5 | 5402.2 | 6635.9 | 8672.5  | 10813.4 | 10754.5 | 8448.0 |
| 62.5° | 1889.2 | 1891.4 | 2274.7 | 2551.4 | 2875.7 | 3113.8 | 3905.4 | 5751.4  | 7978.5  | 7874.2  | 6014.5 |
| 65°   | 1326.7 | 1356.2 | 1653.3 | 2023.0 | 2154.5 | 2029.8 | 2004.8 | 3032.2  | 4456.5  | 4306.8  | 3231.8 |
| 67.5° | 970.7  | 972.9  | 1236.0 | 1632.9 | 1823.4 | 1544.5 | 1254.2 | 1480.9  | 1764.4  | 1759.9  | 1496.8 |
| 70°   | 641.8  | 669.0  | 870.9  | 1220.1 | 1437.9 | 1240.5 | 1025.1 | 1059.1  | 1122.6  | 1122.6  | 1113.5 |
| 72.5° | 374.2  | 399.2  | 533.0  | 773.4  | 807.4  | 775.6  | 811.9  | 907.2   | 948.0   | 945.7   | 934.4  |
| 75°   | 213.2  | 224.5  | 254.0  | 322.0  | 401.4  | 474.0  | 596.5  | 687.2   | 728.0   | 752.9   | 723.5  |
| 77.5° | 124.7  | 131.5  | 149.7  | 183.7  | 208.6  | 256.3  | 324.3  | 387.8   | 442.2   | 435.4   | 440.0  |
| 80°   | 65.8   | 65.8   | 83.9   | 108.9  | 145.1  | 181.4  | 215.5  | 251.7   | 281.2   | 288.0   | 294.8  |
| 82.5° | 38.6   | 40.8   | 54.4   | 79.4   | 104.3  | 129.3  | 165.6  | 190.5   | 217.7   | 220.0   | 224.5  |
| 85°   | 20.4   | 22.7   | 34.0   | 52.2   | 70.3   | 79.4   | 81.6   | 77.1    | 83.9    | 79.4    | 90.7   |
| 87.5° | 6.8    | 6.8    | 11.3   | 9.1    | 9.1    | 11.3   | 13.6   | 13.6    | 18.1    | 18.1    | 18.1   |
| 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: P529826

CATALOG NUMBER: GLAN-SA5A-730-U-T2-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 | 3347.4 |
| 2.5°  | 3365.6 | 3365.6 | 3327.0 | 3254.5 | 3243.1 | 3213.6 | 3186.4 | 3184.2 | 3163.7 | 3145.6 | 3136.5 |
| 5°    | 3429.1 | 3358.8 | 3302.1 | 3236.3 | 3159.2 | 3122.9 | 3082.1 | 3036.7 | 3018.6 | 3036.7 | 3034.5 |
| 7.5°  | 3501.7 | 3442.7 | 3272.6 | 3150.1 | 3061.7 | 3025.4 | 2980.0 | 2932.4 | 2937.0 | 2937.0 | 2905.2 |
| 10°   | 3572.0 | 3492.6 | 3220.4 | 3064.0 | 2934.7 | 2907.5 | 2882.5 | 2900.7 | 2923.3 | 2927.9 | 2907.5 |
| 12.5° | 3689.9 | 3510.7 | 3195.5 | 2977.8 | 2896.1 | 2837.2 | 2853.0 | 2902.9 | 2950.6 | 2937.0 | 2952.8 |
| 15°   | 3778.3 | 3526.6 | 3082.1 | 2889.3 | 2787.3 | 2814.5 | 2871.2 | 2905.2 | 2984.6 | 2975.5 | 2991.4 |
| 17.5° | 3864.5 | 3535.7 | 2971.0 | 2771.4 | 2728.3 | 2803.1 | 2846.2 | 2943.8 | 2968.7 | 3023.1 | 3043.5 |
| 20°   | 4041.4 | 3553.8 | 2857.6 | 2698.8 | 2685.2 | 2771.4 | 2846.2 | 2891.6 | 2946.0 | 2993.6 | 2993.6 |
| 22.5° | 4132.1 | 3544.8 | 2782.7 | 2603.6 | 2646.7 | 2701.1 | 2769.1 | 2846.2 | 2846.2 | 2891.6 | 2893.9 |
| 25°   | 4245.5 | 3508.5 | 2664.8 | 2558.2 | 2590.0 | 2642.1 | 2719.2 | 2692.0 | 2721.5 | 2721.5 | 2757.8 |
| 27.5° | 4374.8 | 3431.4 | 2562.7 | 2476.6 | 2540.1 | 2596.8 | 2608.1 | 2590.0 | 2555.9 | 2551.4 | 2537.8 |
| 30°   | 4479.1 | 3336.1 | 2487.9 | 2449.3 | 2501.5 | 2533.3 | 2497.0 | 2458.4 | 2399.5 | 2394.9 | 2363.2 |
| 32.5° | 4622.0 | 3218.2 | 2394.9 | 2381.3 | 2440.3 | 2442.5 | 2431.2 | 2372.2 | 2286.1 | 2249.8 | 2213.5 |
| 35°   | 4862.4 | 3150.1 | 2324.6 | 2345.0 | 2363.2 | 2356.4 | 2336.0 | 2272.5 | 2186.3 | 2170.4 | 2156.8 |
| 37.5° | 5039.3 | 3100.2 | 2252.0 | 2277.0 | 2292.9 | 2301.9 | 2240.7 | 2170.4 | 2172.7 | 2140.9 | 2131.8 |
| 40°   | 5238.9 | 3068.5 | 2193.1 | 2204.4 | 2206.7 | 2236.2 | 2161.3 | 2127.3 | 2143.2 | 2122.8 | 2136.4 |
| 42.5° | 5495.2 | 3077.6 | 2131.8 | 2122.8 | 2165.9 | 2154.5 | 2118.2 | 2072.9 | 2081.9 | 2020.7 | 2029.8 |
| 45°   | 5631.2 | 3138.8 | 2095.6 | 2054.7 | 2102.4 | 2100.1 | 2052.5 | 2009.4 | 1954.9 | 1837.0 | 1841.5 |
| 47.5° | 5722.0 | 3154.7 | 2009.4 | 1982.2 | 2032.1 | 2061.5 | 2007.1 | 1907.3 | 1830.2 | 1746.3 | 1725.9 |
| 50°   | 5814.9 | 3184.2 | 1968.6 | 1911.9 | 1932.3 | 2002.6 | 1934.5 | 1839.3 | 1764.4 | 1689.6 | 1700.9 |
| 52.5° | 5896.6 | 3240.9 | 1889.2 | 1805.3 | 1841.5 | 1918.7 | 1882.4 | 1766.7 | 1685.1 | 1623.8 | 1605.7 |
| 55°   | 6259.4 | 3367.9 | 1755.4 | 1646.5 | 1732.7 | 1830.2 | 1809.8 | 1669.2 | 1580.7 | 1549.0 | 1544.5 |
| 56°   | 6316.1 | 3372.4 | 1685.1 | 1592.1 | 1671.5 | 1800.7 | 1775.8 | 1626.1 | 1546.7 | 1496.8 | 1499.1 |
| 57.5° | 6325.2 | 3318.0 | 1585.3 | 1542.2 | 1610.2 | 1757.6 | 1725.9 | 1592.1 | 1483.2 | 1437.9 | 1424.3 |
| 60°   | 5565.5 | 2590.0 | 1460.5 | 1433.3 | 1512.7 | 1626.1 | 1614.8 | 1499.1 | 1376.6 | 1324.5 | 1349.4 |
| 62.5° | 3794.2 | 1898.2 | 1363.0 | 1358.5 | 1399.3 | 1510.4 | 1480.9 | 1376.6 | 1274.6 | 1240.5 | 1224.7 |
| 65°   | 2208.9 | 1440.1 | 1267.8 | 1249.6 | 1283.6 | 1342.6 | 1363.0 | 1254.2 | 1147.6 | 1124.9 | 1118.1 |
| 67.5° | 1304.1 | 1190.7 | 1145.3 | 1115.8 | 1104.5 | 1140.8 | 1156.6 | 1093.1 | 986.5  | 954.8  | 982.0  |
| 70°   | 1090.9 | 1059.1 | 1061.4 | 1011.5 | 984.3  | 959.3  | 945.7  | 889.0  | 800.6  | 759.8  | 748.4  |
| 72.5° | 941.2  | 927.6  | 918.5  | 873.1  | 848.2  | 791.5  | 732.5  | 675.8  | 610.1  | 576.1  | 578.3  |
| 75°   | 718.9  | 714.4  | 718.9  | 696.3  | 653.2  | 607.8  | 553.4  | 480.8  | 430.9  | 387.8  | 396.9  |
| 77.5° | 428.6  | 442.2  | 449.0  | 440.0  | 421.8  | 381.0  | 347.0  | 299.4  | 251.7  | 217.7  | 213.2  |
| 80°   | 294.8  | 306.2  | 317.5  | 306.2  | 288.0  | 258.5  | 222.3  | 186.0  | 152.0  | 133.8  | 129.3  |
| 82.5° | 224.5  | 235.9  | 242.7  | 231.3  | 208.6  | 176.9  | 152.0  | 127.0  | 99.8   | 81.6   | 77.1   |
| 85°   | 81.6   | 93.0   | 90.7   | 108.9  | 117.9  | 113.4  | 97.5   | 74.8   | 56.7   | 40.8   | 38.6   |
| 87.5° | 22.7   | 20.4   | 22.7   | 22.7   | 22.7   | 20.4   | 18.1   | 18.1   | 18.1   | 11.3   | 9.1    |
| 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)