

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: P531196

Luminaire Tested: **GLAN-SA6C-727-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-727-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29551 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

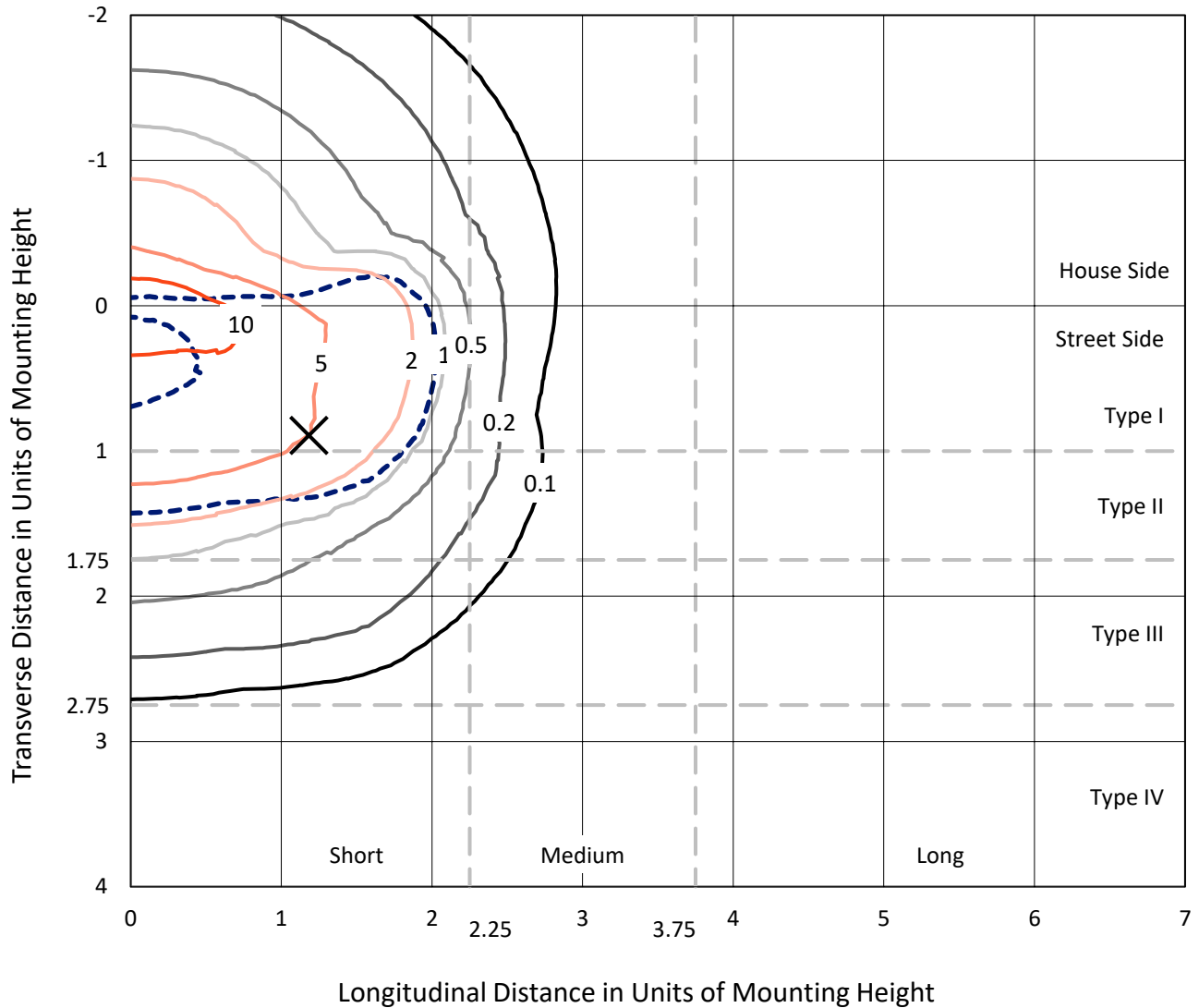
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

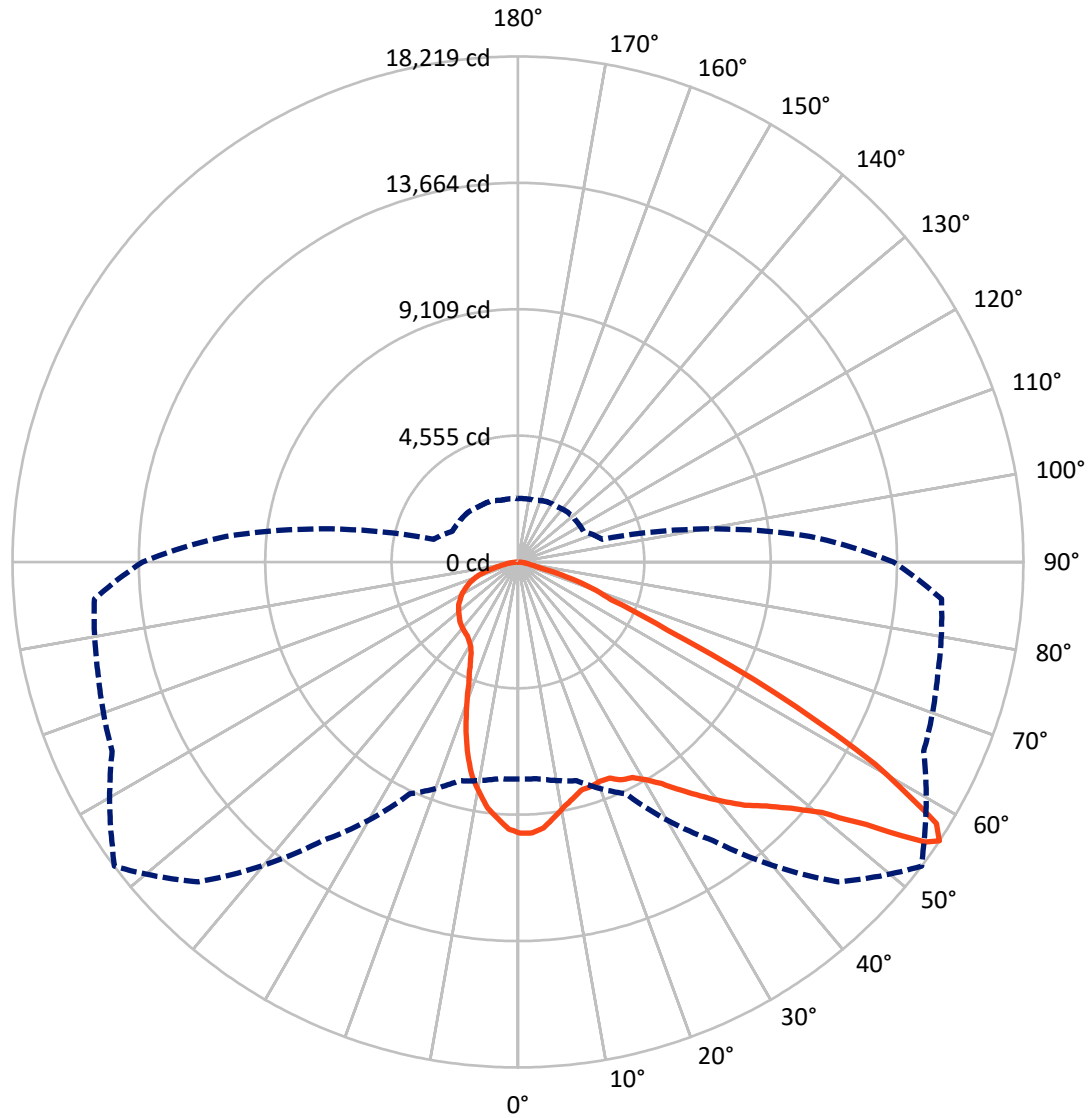
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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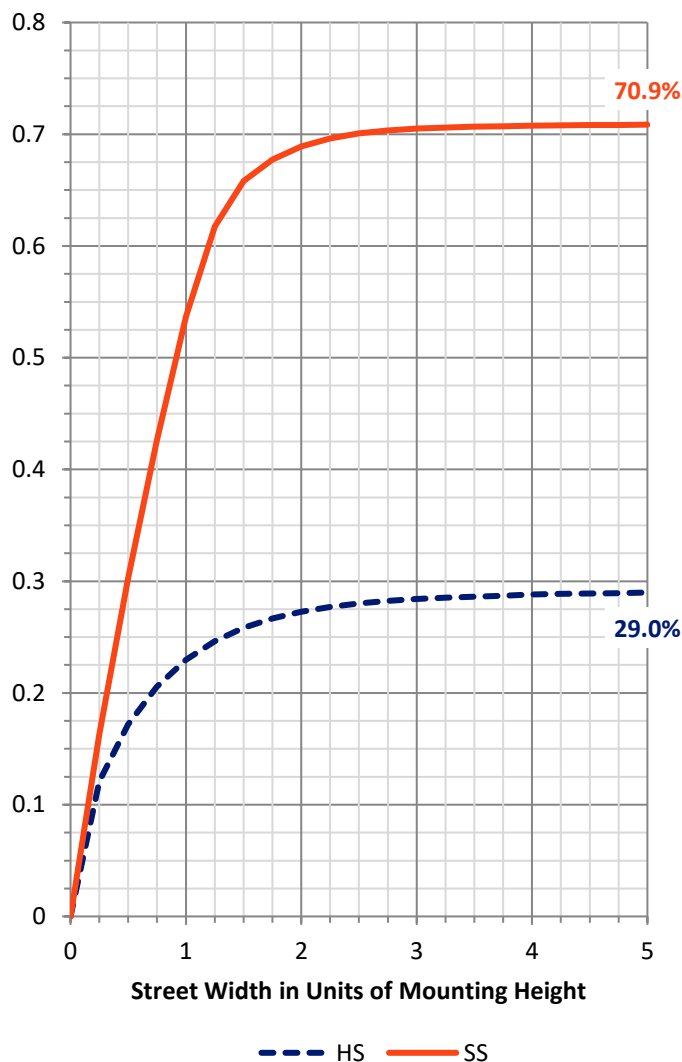
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8623.6 | 0.0 | 8623.6 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 20927.4 | 0.0 | 20927.4 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 29551.0 | 0.0 | 29551.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 865.5 | 2.9 |
| 10°-20° | 2161.7 | 7.3 |
| 20°-30° | 3187.6 | 10.8 |
| 30°-40° | 4554.4 | 15.4 |
| 40°-50° | 6268.5 | 21.2 |
| 50°-60° | 7407.7 | 25.1 |
| 60°-70° | 3947.8 | 13.4 |
| 70°-80° | 1001.5 | 3.4 |
| 80°-90° | 156.2 | 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° | 29551.0 | 100.0 |
| 0°-180° | 29551.0 | 100.0 |

Coefficient of Utilization

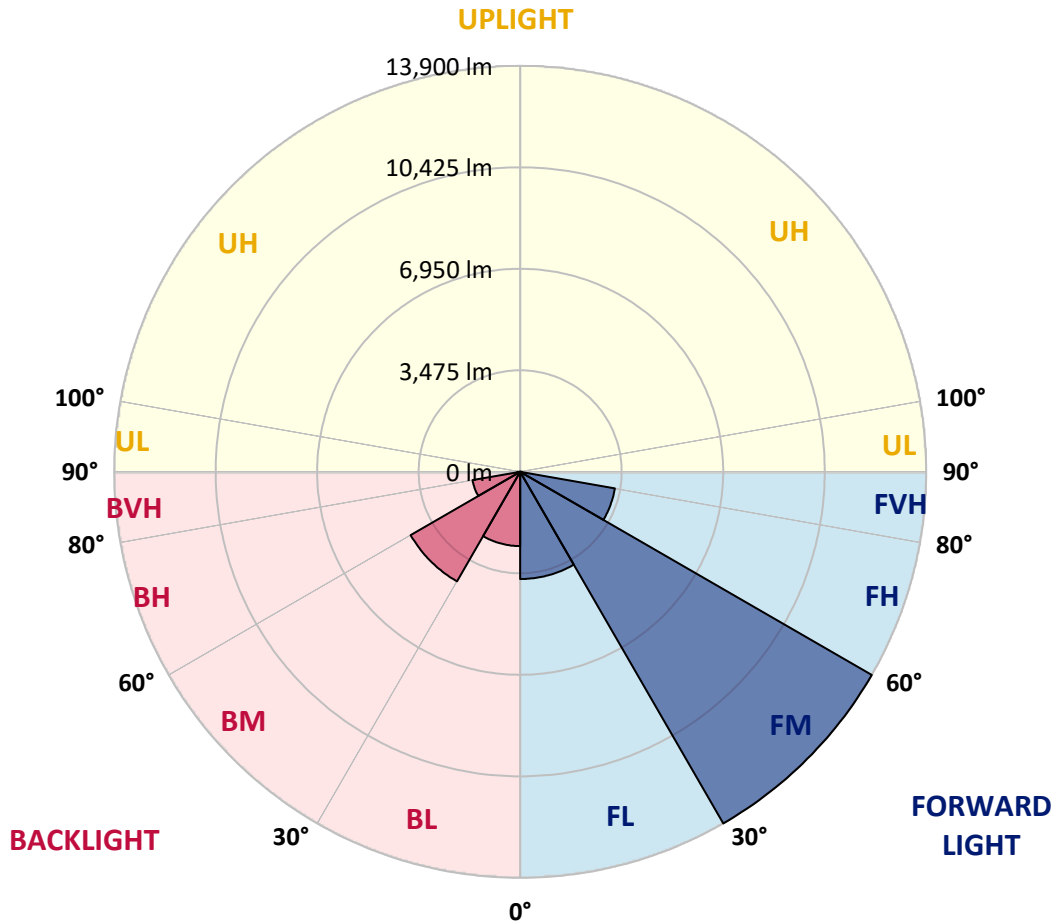


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3671.3 | 12.4 | | | |
| FM (30°-60°) | 13900.2 | 47.0 | | | |
| FH (60°-80°) | 3293.1 | 11.1 | | | G2/5000 |
| FVH (80°-90°) | 62.8 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2543.5 | 8.6 | B4/5000 | | |
| BM (30°-60°) | 4330.5 | 14.7 | B3/5000 | | |
| BH (60°-80°) | 1656.3 | 5.6 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 93.4 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 |
| 2.5° | 9655.3 | 9571.9 | 9621.2 | 9602.3 | 9757.7 | 9803.2 | 9780.4 | 9799.4 | 9886.6 | 9844.9 | 9757.7 |
| 5° | 9022.3 | 9139.8 | 9162.5 | 9219.4 | 9310.4 | 9488.5 | 9628.8 | 9666.7 | 9708.4 | 9901.7 | 9882.8 |
| 7.5° | 8446.0 | 8525.7 | 8484.0 | 8650.7 | 8847.9 | 9136.0 | 9306.6 | 9336.9 | 9719.8 | 9825.9 | 9905.5 |
| 10° | 8082.1 | 8002.5 | 8192.1 | 8237.5 | 8461.2 | 8791.0 | 8995.7 | 9120.8 | 9469.6 | 9890.4 | 9939.6 |
| 12.5° | 7744.7 | 7718.2 | 7831.9 | 7960.8 | 8211.0 | 8552.2 | 8760.7 | 8810.0 | 9348.3 | 9791.8 | 10023.0 |
| 15° | 7494.5 | 7464.2 | 7577.9 | 7672.7 | 7964.6 | 8267.9 | 8533.2 | 8673.5 | 9215.6 | 9734.9 | 9951.0 |
| 17.5° | 7297.4 | 7293.6 | 7358.1 | 7528.7 | 7828.1 | 8082.1 | 8510.5 | 8518.1 | 9147.4 | 9822.1 | 10011.7 |
| 20° | 7286.0 | 7282.2 | 7293.6 | 7483.2 | 7756.1 | 8067.0 | 8438.5 | 8506.7 | 9147.4 | 9761.5 | 10015.5 |
| 22.5° | 7380.8 | 7320.2 | 7388.4 | 7509.7 | 7706.8 | 8093.5 | 8465.0 | 8616.6 | 9367.2 | 10061.0 | 10186.0 |
| 25° | 7532.4 | 7547.6 | 7585.5 | 7627.2 | 7740.9 | 8154.1 | 8700.0 | 8825.1 | 9625.0 | 10318.7 | 10421.1 |
| 27.5° | 7809.2 | 7801.6 | 7816.8 | 7839.5 | 7938.1 | 8211.0 | 8794.8 | 9117.0 | 10163.3 | 10777.4 | 10675.1 |
| 30° | 8214.8 | 8188.3 | 8248.9 | 8328.5 | 8237.5 | 8393.0 | 9109.4 | 9352.1 | 10663.7 | 11239.9 | 10959.4 |
| 32.5° | 8582.5 | 8681.1 | 8794.8 | 8828.9 | 8719.0 | 8749.3 | 9526.4 | 9772.8 | 11080.7 | 11808.5 | 11308.1 |
| 35° | 9041.2 | 9120.8 | 9272.5 | 9378.6 | 9359.6 | 9268.7 | 10095.1 | 10421.1 | 11683.4 | 12225.5 | 11675.9 |
| 37.5° | 9488.5 | 9583.3 | 9833.5 | 10148.1 | 9973.8 | 9932.1 | 10701.6 | 10970.8 | 11869.2 | 12449.2 | 11945.0 |
| 40° | 10208.8 | 10205.0 | 10637.2 | 10800.2 | 10955.6 | 10883.6 | 11330.9 | 11421.9 | 11967.8 | 12399.9 | 11952.6 |
| 42.5° | 11054.2 | 11001.1 | 11440.8 | 11694.8 | 11895.7 | 11903.3 | 11986.7 | 11956.4 | 12013.2 | 12149.7 | 11873.0 |
| 45° | 11857.8 | 11971.5 | 12415.1 | 12870.0 | 13070.9 | 13093.6 | 12540.2 | 12483.3 | 12092.9 | 12077.7 | 11721.3 |
| 47.5° | 12839.7 | 12866.2 | 13230.1 | 13829.1 | 14295.3 | 14136.1 | 13256.6 | 13131.5 | 12441.6 | 12559.1 | 11975.3 |
| 50° | 12896.5 | 13093.6 | 13419.7 | 14124.8 | 15557.7 | 15516.0 | 14185.4 | 13950.4 | 13002.7 | 13241.5 | 12684.2 |
| 52.5° | 11706.2 | 11660.7 | 12047.4 | 13199.8 | 15462.9 | 16888.3 | 15724.5 | 15163.5 | 14208.2 | 14026.2 | 13832.9 |
| 55° | 8919.9 | 9026.0 | 9367.2 | 10531.0 | 13427.2 | 16907.2 | 17820.8 | 17362.2 | 15497.0 | 15186.2 | 14962.5 |
| 56° | 7824.3 | 7839.5 | 8161.7 | 9223.2 | 12252.1 | 16304.5 | 18218.9 | 17847.4 | 16137.7 | 15663.8 | 15322.7 |
| 57.5° | 6486.2 | 6399.0 | 6565.8 | 7145.8 | 10341.5 | 15030.8 | 17782.9 | 18146.9 | 16888.3 | 16179.4 | 15705.5 |
| 60° | 5106.3 | 5087.3 | 5019.1 | 5125.2 | 6535.4 | 11323.3 | 14803.3 | 15622.1 | 16812.5 | 15694.2 | 15042.1 |
| 62.5° | 4169.9 | 4075.2 | 4211.6 | 4363.3 | 4541.5 | 7024.5 | 10402.1 | 10883.6 | 13347.6 | 12528.8 | 11300.6 |
| 65° | 3233.6 | 3188.1 | 3358.7 | 3851.5 | 3957.7 | 4461.8 | 5925.1 | 6296.6 | 7881.2 | 7740.9 | 6816.0 |
| 67.5° | 2225.2 | 2232.8 | 2380.7 | 3131.3 | 3669.6 | 3624.1 | 3627.9 | 3821.2 | 4113.1 | 3055.4 | 2661.2 |
| 70° | 1410.2 | 1406.4 | 1486.0 | 2016.7 | 2953.1 | 2983.4 | 2831.8 | 2774.9 | 2630.9 | 1592.2 | 1686.9 |
| 72.5° | 906.0 | 879.5 | 921.2 | 1114.5 | 1527.7 | 1766.5 | 1819.6 | 1853.7 | 1523.9 | 1251.0 | 1357.1 |
| 75° | 511.8 | 485.2 | 470.1 | 519.3 | 602.7 | 697.5 | 765.8 | 788.5 | 883.3 | 947.7 | 1004.6 |
| 77.5° | 155.4 | 140.3 | 170.6 | 227.5 | 299.5 | 401.8 | 489.0 | 504.2 | 595.2 | 671.0 | 727.8 |
| 80° | 68.2 | 75.8 | 106.1 | 151.6 | 212.3 | 284.3 | 345.0 | 367.7 | 428.4 | 485.2 | 500.4 |
| 82.5° | 41.7 | 45.5 | 72.0 | 102.4 | 147.8 | 200.9 | 246.4 | 254.0 | 314.6 | 360.1 | 371.5 |
| 85° | 15.2 | 19.0 | 37.9 | 60.7 | 94.8 | 128.9 | 128.9 | 140.3 | 128.9 | 128.9 | 140.3 |
| 87.5° | 0.0 | 0.0 | 3.8 | 7.6 | 7.6 | 11.4 | 15.2 | 15.2 | 19.0 | 22.7 | 26.5 |
| 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: P531196

CATALOG NUMBER: GLAN-SA6C-727-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 | 9776.6 |
| 2.5° | 9803.2 | 9784.2 | 9753.9 | 9644.0 | 9632.6 | 9598.5 | 9408.9 | 9378.6 | 9408.9 | 9317.9 | 9325.5 |
| 5° | 9784.2 | 9841.1 | 9613.6 | 9503.7 | 9299.0 | 9151.1 | 8980.6 | 8893.4 | 8737.9 | 8639.4 | 8749.3 |
| 7.5° | 9867.6 | 9844.9 | 9560.6 | 9321.7 | 9014.7 | 8639.4 | 8339.9 | 8169.3 | 7896.4 | 7820.6 | 7877.4 |
| 10° | 9837.3 | 9716.0 | 9382.4 | 9067.7 | 8487.7 | 8157.9 | 7672.7 | 7202.6 | 6944.9 | 6812.2 | 6793.2 |
| 12.5° | 9795.6 | 9761.5 | 9204.2 | 8662.1 | 8051.8 | 7358.1 | 6675.7 | 6232.2 | 5811.4 | 5629.4 | 5656.0 |
| 15° | 9844.9 | 9556.8 | 8870.6 | 8184.5 | 7373.2 | 6463.4 | 5728.0 | 5155.6 | 4863.7 | 4746.2 | 4746.2 |
| 17.5° | 9822.1 | 9458.2 | 8711.4 | 7650.0 | 6622.6 | 5546.0 | 4738.6 | 4393.6 | 4272.3 | 4272.3 | 4306.4 |
| 20° | 9833.5 | 9522.6 | 8389.2 | 7115.4 | 5735.6 | 4670.3 | 4082.8 | 3957.7 | 4010.7 | 4029.7 | 4048.6 |
| 22.5° | 9897.9 | 9310.4 | 8074.5 | 6527.9 | 4913.0 | 3995.6 | 3707.5 | 3711.3 | 3806.0 | 3908.4 | 3889.4 |
| 25° | 9977.6 | 9227.0 | 7691.7 | 5944.1 | 4283.7 | 3665.8 | 3574.8 | 3563.4 | 3635.4 | 3688.5 | 3696.1 |
| 27.5° | 9909.3 | 9082.9 | 7301.2 | 5216.2 | 3768.1 | 3445.9 | 3426.9 | 3434.5 | 3457.3 | 3563.4 | 3529.3 |
| 30° | 10133.0 | 9124.6 | 6812.2 | 4605.9 | 3483.8 | 3373.9 | 3351.1 | 3339.8 | 3373.9 | 3404.2 | 3377.7 |
| 32.5° | 10409.7 | 8976.8 | 6448.3 | 4018.3 | 3343.5 | 3320.8 | 3275.3 | 3260.1 | 3279.1 | 3248.8 | 3263.9 |
| 35° | 10531.0 | 8950.2 | 5974.4 | 3597.5 | 3233.6 | 3214.7 | 3188.1 | 3184.3 | 3188.1 | 3161.6 | 3138.8 |
| 37.5° | 10599.3 | 9075.3 | 5432.3 | 3404.2 | 3165.4 | 3184.3 | 3123.7 | 3116.1 | 3047.9 | 3063.0 | 3074.4 |
| 40° | 10716.8 | 8882.0 | 4992.6 | 3218.4 | 3123.7 | 3085.8 | 3032.7 | 3021.3 | 2975.8 | 2949.3 | 2975.8 |
| 42.5° | 10546.2 | 8825.1 | 4560.4 | 3138.8 | 3063.0 | 3021.3 | 2983.4 | 2919.0 | 2903.8 | 2881.1 | 2865.9 |
| 45° | 10409.7 | 8499.1 | 4173.7 | 3040.3 | 2991.0 | 2968.2 | 2896.2 | 2828.0 | 2771.1 | 2793.9 | 2759.7 |
| 47.5° | 10512.1 | 8385.4 | 3790.9 | 2956.9 | 2892.4 | 2865.9 | 2793.9 | 2740.8 | 2683.9 | 2657.4 | 2649.8 |
| 50° | 10921.5 | 8597.7 | 3468.6 | 2896.2 | 2809.0 | 2793.9 | 2699.1 | 2638.4 | 2585.4 | 2566.4 | 2574.0 |
| 52.5° | 11899.5 | 9177.7 | 3248.8 | 2771.1 | 2729.4 | 2661.2 | 2608.1 | 2532.3 | 2498.2 | 2437.5 | 2475.4 |
| 55° | 13139.1 | 10121.6 | 3191.9 | 2653.6 | 2630.9 | 2570.2 | 2498.2 | 2441.3 | 2376.9 | 2327.6 | 2316.2 |
| 56° | 13537.2 | 10572.7 | 3146.4 | 2608.1 | 2570.2 | 2536.1 | 2441.3 | 2407.2 | 2304.8 | 2293.5 | 2285.9 |
| 57.5° | 13859.4 | 10970.8 | 3154.0 | 2520.9 | 2483.0 | 2452.7 | 2395.8 | 2312.4 | 2244.2 | 2202.5 | 2221.4 |
| 60° | 13131.5 | 10269.4 | 3009.9 | 2388.2 | 2380.7 | 2323.8 | 2244.2 | 2206.3 | 2122.9 | 2073.6 | 2062.2 |
| 62.5° | 9761.5 | 6971.4 | 2441.3 | 2217.7 | 2213.9 | 2153.2 | 2062.2 | 2020.5 | 2005.4 | 1937.1 | 1937.1 |
| 65° | 5621.8 | 4370.9 | 2111.5 | 2077.4 | 2047.1 | 1986.4 | 1895.4 | 1861.3 | 1823.4 | 1800.7 | 1781.7 |
| 67.5° | 2399.6 | 2266.9 | 1918.2 | 1914.4 | 1880.3 | 1804.5 | 1713.5 | 1660.4 | 1611.1 | 1565.6 | 1588.4 |
| 70° | 1740.0 | 1766.5 | 1732.4 | 1713.5 | 1671.8 | 1577.0 | 1497.4 | 1432.9 | 1357.1 | 1326.8 | 1349.5 |
| 72.5° | 1379.9 | 1436.7 | 1486.0 | 1489.8 | 1440.5 | 1330.6 | 1243.4 | 1156.2 | 1072.8 | 1031.1 | 1050.1 |
| 75° | 1046.3 | 1084.2 | 1133.5 | 1144.8 | 1072.8 | 997.0 | 913.6 | 822.6 | 758.2 | 708.9 | 716.5 |
| 77.5° | 754.4 | 746.8 | 792.3 | 784.7 | 750.6 | 697.5 | 621.7 | 538.3 | 466.3 | 420.8 | 424.6 |
| 80° | 515.6 | 526.9 | 553.5 | 549.7 | 508.0 | 473.9 | 417.0 | 348.8 | 295.7 | 257.8 | 250.2 |
| 82.5° | 360.1 | 379.1 | 401.8 | 382.9 | 348.8 | 314.6 | 272.9 | 223.7 | 182.0 | 151.6 | 144.1 |
| 85° | 128.9 | 147.8 | 170.6 | 182.0 | 193.3 | 185.8 | 155.4 | 125.1 | 91.0 | 75.8 | 72.0 |
| 87.5° | 26.5 | 30.3 | 34.1 | 34.1 | 34.1 | 30.3 | 26.5 | 26.5 | 22.7 | 11.4 | 11.4 |
| 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)