

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: P530740

Luminaire Tested: **GLAN-SA6A-727-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-727-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19336 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

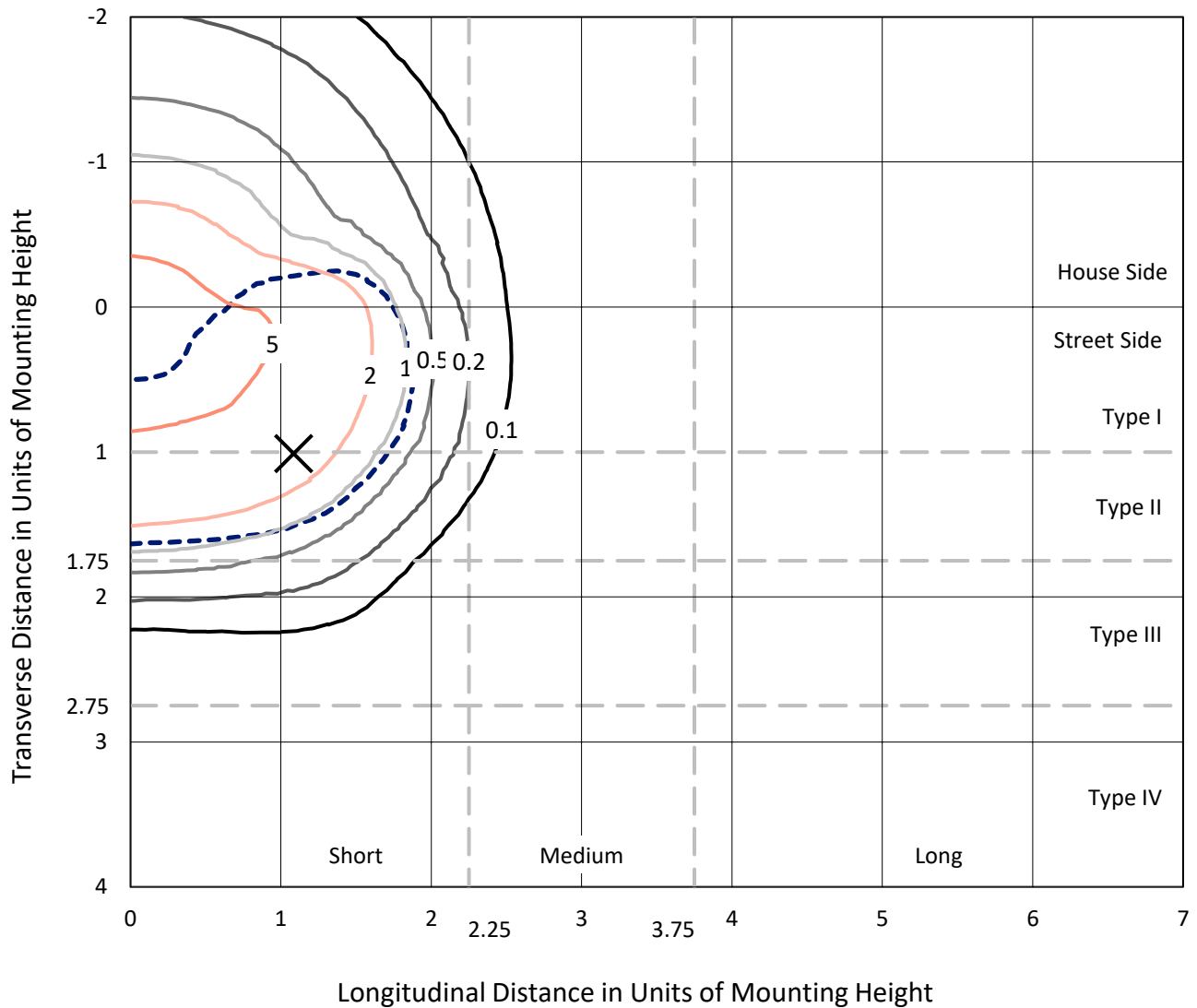
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

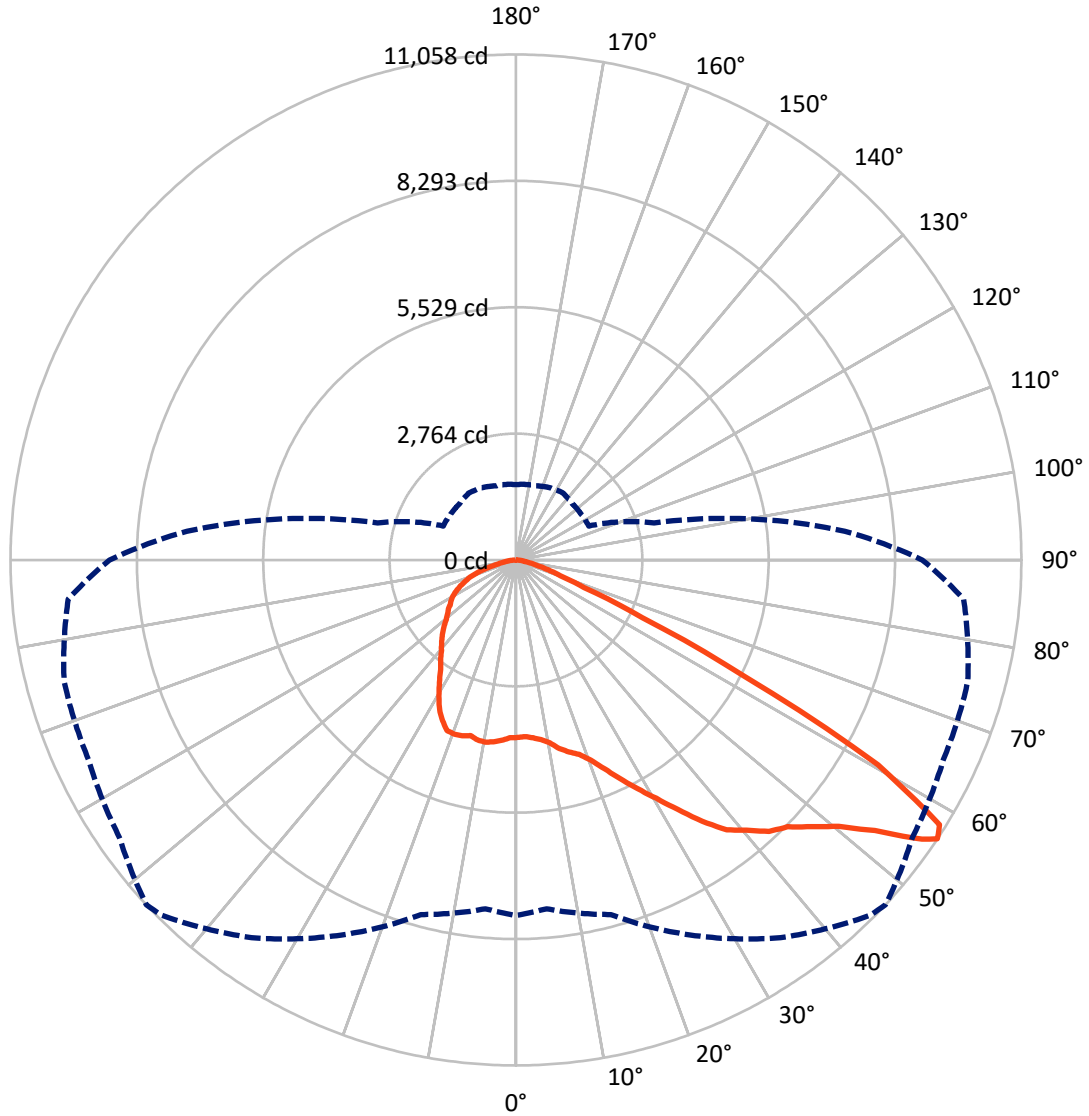
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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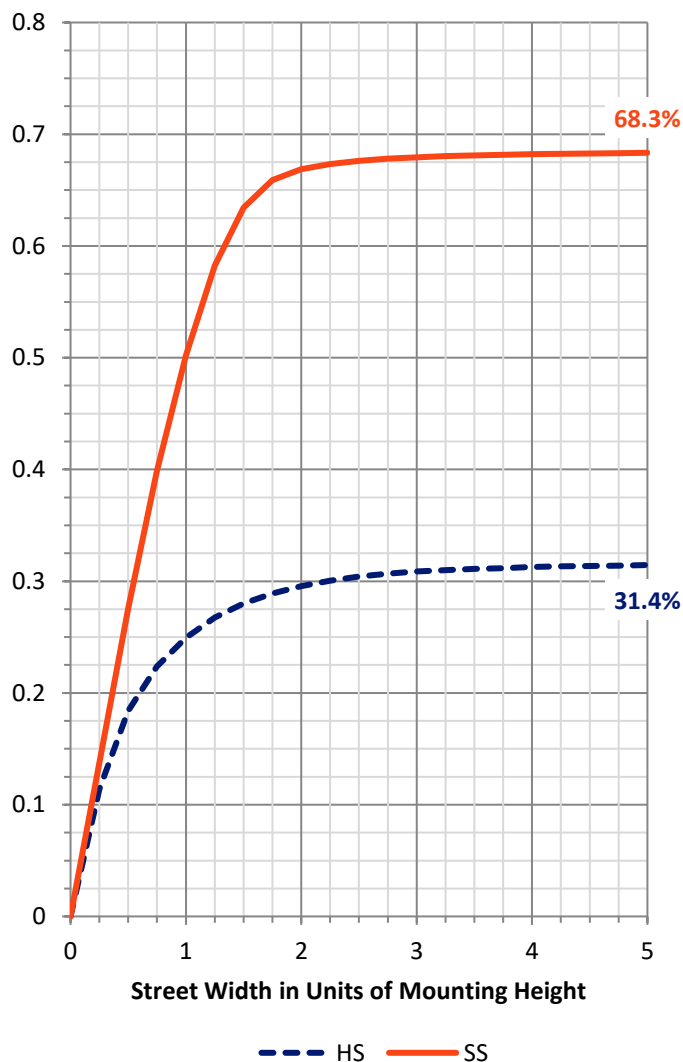
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6127.4 | 0.0 | 6127.4 |
| | % Fixture | 31.7 | 0.0 | 31.7 |
| Street Side | Lumens | 13208.6 | 0.0 | 13208.6 |
| | % Fixture | 68.3 | 0.0 | 68.3 |
| Total | Lumens | 19336.0 | 0.0 | 19336.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 378.4 | 2.0 |
| 10°-20° | 1193.8 | 6.2 |
| 20°-30° | 2110.4 | 10.9 |
| 30°-40° | 3169.7 | 16.4 |
| 40°-50° | 4350.1 | 22.5 |
| 50°-60° | 5182.5 | 26.8 |
| 60°-70° | 2217.8 | 11.5 |
| 70°-80° | 627.6 | 3.2 |
| 80°-90° | 105.6 | 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° | 19336.0 | 100.0 |
| 0°-180° | 19336.0 | 100.0 |

Coefficient of Utilization

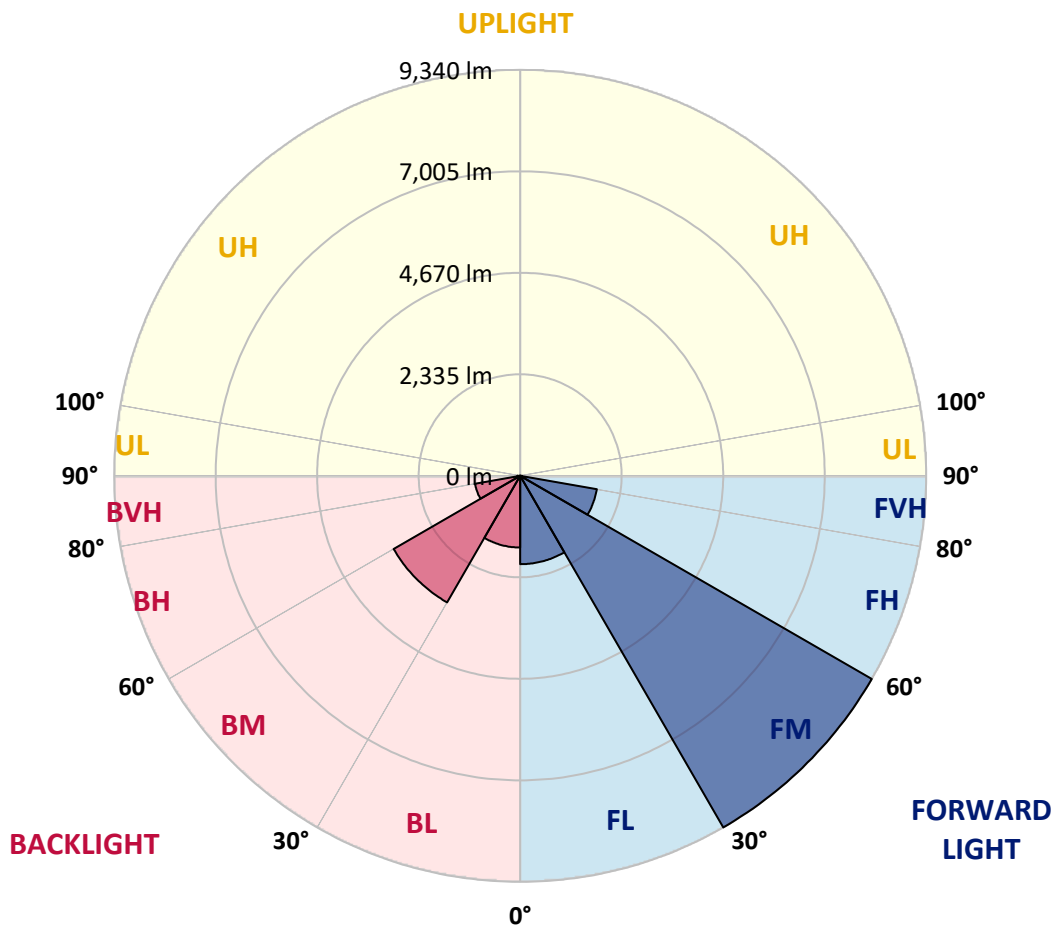


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2032.9 | 10.5 | | | |
| FM (30°-60°) | 9339.7 | 48.3 | | | |
| FH (60°-80°) | 1791.2 | 9.3 | | | G1/1800 |
| FVH (80°-90°) | 44.8 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1649.7 | 8.5 | B3/2500 | | |
| BM (30°-60°) | 3362.6 | 17.4 | B3/5000 | | |
| BH (60°-80°) | 1054.2 | 5.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 60.8 | 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-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 47° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--------|
| 0° | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 |
| 2.5° | 3869.2 | 3861.8 | 3856.9 | 3896.3 | 3881.5 | 3884.0 | 3869.2 | 3884.0 | 3893.9 | 3871.7 | 3903.7 |
| 5° | 3861.8 | 3884.0 | 3864.3 | 3876.6 | 3908.7 | 3898.8 | 3908.7 | 3938.3 | 3930.9 | 3923.5 | 3913.6 |
| 7.5° | 3930.9 | 3933.3 | 3948.1 | 3953.1 | 3962.9 | 3953.1 | 3967.9 | 3995.0 | 3987.6 | 3945.7 | 3950.6 |
| 10° | 4029.5 | 4034.4 | 4036.9 | 4064.0 | 4081.3 | 4083.8 | 4066.5 | 4041.8 | 4039.4 | 4096.1 | 4056.6 |
| 12.5° | 4142.9 | 4130.6 | 4160.2 | 4170.1 | 4189.8 | 4212.0 | 4234.2 | 4182.4 | 4214.5 | 4216.9 | 4170.1 |
| 15° | 4308.2 | 4320.5 | 4286.0 | 4286.0 | 4293.4 | 4295.8 | 4357.5 | 4332.8 | 4327.9 | 4300.8 | 4320.5 |
| 17.5° | 4554.8 | 4470.9 | 4468.5 | 4433.9 | 4429.0 | 4448.7 | 4470.9 | 4490.7 | 4557.2 | 4503.0 | 4397.0 |
| 20° | 4734.8 | 4754.5 | 4683.0 | 4641.1 | 4648.5 | 4692.9 | 4670.7 | 4759.5 | 4806.3 | 4717.5 | 4614.0 |
| 22.5° | 5052.9 | 4986.3 | 5003.6 | 4909.9 | 4917.3 | 4964.1 | 4961.7 | 5052.9 | 5080.0 | 4939.5 | 4789.1 |
| 25° | 5267.5 | 5250.2 | 5265.0 | 5191.0 | 5200.9 | 5237.9 | 5297.1 | 5447.5 | 5403.1 | 5247.7 | 4900.0 |
| 27.5° | 5580.7 | 5546.1 | 5533.8 | 5506.7 | 5496.8 | 5595.4 | 5664.5 | 5824.8 | 5792.7 | 5565.9 | 5097.3 |
| 30° | 5901.2 | 5879.0 | 5891.4 | 5780.4 | 5819.9 | 6029.5 | 6049.2 | 6268.7 | 6253.9 | 5854.4 | 5316.8 |
| 32.5° | 6123.2 | 6135.5 | 6157.7 | 6096.1 | 6271.1 | 6438.8 | 6505.4 | 6754.5 | 6766.8 | 6350.1 | 5740.9 |
| 35° | 6480.8 | 6438.8 | 6451.2 | 6522.7 | 6604.1 | 6909.8 | 7018.4 | 7183.6 | 7287.2 | 6870.4 | 6147.8 |
| 37.5° | 6705.2 | 6749.6 | 6697.8 | 6811.2 | 7023.3 | 7390.7 | 7489.4 | 7659.5 | 7768.0 | 7383.3 | 6702.7 |
| 40° | 7055.3 | 6983.8 | 7020.8 | 7102.2 | 7319.2 | 7797.6 | 7770.5 | 7945.6 | 7980.1 | 7819.8 | 7220.6 |
| 42.5° | 7432.6 | 7398.1 | 7346.3 | 7531.3 | 7713.8 | 8061.5 | 8115.7 | 8034.4 | 8209.5 | 8246.4 | 7960.4 |
| 45° | 7883.9 | 7925.9 | 7933.3 | 7938.2 | 8098.5 | 8401.8 | 8327.8 | 8256.3 | 8458.5 | 8727.3 | 8419.1 |
| 47.5° | 8303.2 | 8170.0 | 8266.2 | 8399.3 | 8626.2 | 8628.7 | 8715.0 | 8544.8 | 8759.4 | 8998.6 | 8833.4 |
| 50° | 8443.7 | 8379.6 | 8507.8 | 8759.4 | 9109.6 | 9146.5 | 9156.4 | 8914.7 | 9025.7 | 9215.6 | 8976.4 |
| 52.5° | 8389.5 | 8367.3 | 8695.3 | 9084.9 | 9597.8 | 9785.3 | 9834.6 | 9536.2 | 9597.8 | 9511.5 | 9292.0 |
| 55° | 8130.5 | 8197.1 | 8527.6 | 9321.6 | 10108.3 | 10687.8 | 10781.5 | 10404.2 | 10012.1 | 10078.7 | 9837.0 |
| 56° | 7775.4 | 7659.5 | 8029.4 | 9052.8 | 10086.1 | 10981.3 | 11057.7 | 10586.7 | 10320.4 | 10234.1 | 9832.1 |
| 57.5° | 6596.7 | 6446.2 | 6932.0 | 8145.3 | 9526.3 | 10870.3 | 10927.0 | 10663.2 | 10268.6 | 10093.5 | 9114.5 |
| 60° | 3861.8 | 3935.8 | 4552.3 | 5617.6 | 7348.8 | 8912.3 | 9102.2 | 9294.5 | 9030.6 | 8246.4 | 6784.1 |
| 62.5° | 1864.3 | 1817.5 | 2258.9 | 3220.6 | 4478.3 | 5689.2 | 5632.4 | 6172.5 | 6468.4 | 5859.3 | 4283.5 |
| 65° | 976.6 | 971.6 | 1233.0 | 1758.3 | 2461.1 | 2988.8 | 3040.6 | 3331.6 | 3738.5 | 3018.4 | 2175.0 |
| 67.5° | 717.6 | 737.3 | 868.0 | 1235.5 | 1583.2 | 1615.3 | 1607.9 | 1753.4 | 1792.8 | 1516.6 | 1336.6 |
| 70° | 562.3 | 572.1 | 668.3 | 939.6 | 1178.8 | 1055.5 | 1033.3 | 1050.5 | 1166.4 | 1215.8 | 1156.6 |
| 72.5° | 406.9 | 416.8 | 498.1 | 633.8 | 737.3 | 720.1 | 734.9 | 831.1 | 974.1 | 1025.9 | 964.2 |
| 75° | 271.3 | 278.7 | 323.1 | 387.2 | 436.5 | 471.0 | 498.1 | 609.1 | 742.3 | 771.9 | 742.3 |
| 77.5° | 187.4 | 194.8 | 224.4 | 273.7 | 278.7 | 300.9 | 310.7 | 362.5 | 443.9 | 480.9 | 461.1 |
| 80° | 106.0 | 106.0 | 120.8 | 140.6 | 172.6 | 202.2 | 207.1 | 249.1 | 286.1 | 310.7 | 315.7 |
| 82.5° | 49.3 | 51.8 | 64.1 | 86.3 | 113.4 | 140.6 | 145.5 | 172.6 | 199.7 | 224.4 | 231.8 |
| 85° | 24.7 | 27.1 | 37.0 | 51.8 | 69.0 | 83.8 | 81.4 | 83.8 | 88.8 | 83.8 | 86.3 |
| 87.5° | 7.4 | 7.4 | 9.9 | 12.3 | 9.9 | 12.3 | 12.3 | 14.8 | 17.3 | 19.7 | 22.2 |
| 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: P530740

CATALOG NUMBER: GLAN-SA6A-727-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 | 3884.0 |
| 2.5° | 3906.2 | 3913.6 | 3864.3 | 3911.1 | 3893.9 | 3891.4 | 3925.9 | 3921.0 | 3933.3 | 3928.4 | 3898.8 |
| 5° | 3908.7 | 3891.4 | 3943.2 | 3896.3 | 3918.5 | 3965.4 | 3933.3 | 4007.3 | 3970.3 | 3995.0 | 3940.7 |
| 7.5° | 3985.1 | 3990.1 | 3980.2 | 3999.9 | 3990.1 | 4012.2 | 3995.0 | 4012.2 | 3982.7 | 3985.1 | 4034.4 |
| 10° | 4051.7 | 4036.9 | 4054.2 | 4029.5 | 4046.8 | 4039.4 | 3999.9 | 3987.6 | 3997.5 | 3985.1 | 4017.2 |
| 12.5° | 4175.0 | 4147.9 | 4135.6 | 4106.0 | 4086.2 | 4012.2 | 3950.6 | 3916.1 | 3962.9 | 3970.3 | 3955.5 |
| 15° | 4300.8 | 4303.2 | 4246.5 | 4179.9 | 4056.6 | 3945.7 | 3960.5 | 3972.8 | 3972.8 | 3992.5 | 3955.5 |
| 17.5° | 4379.7 | 4379.7 | 4327.9 | 4194.7 | 4069.0 | 4004.9 | 3990.1 | 3950.6 | 3916.1 | 3911.1 | 3908.7 |
| 20° | 4517.8 | 4475.9 | 4357.5 | 4192.3 | 4064.0 | 4034.4 | 3923.5 | 3829.8 | 3758.2 | 3733.6 | 3731.1 |
| 22.5° | 4675.6 | 4569.6 | 4404.3 | 4197.2 | 4056.6 | 4014.7 | 3807.6 | 3667.0 | 3538.8 | 3484.5 | 3491.9 |
| 25° | 4821.1 | 4651.0 | 4431.5 | 4175.0 | 4029.5 | 3827.3 | 3595.5 | 3400.7 | 3267.5 | 3223.1 | 3200.9 |
| 27.5° | 4922.2 | 4737.3 | 4431.5 | 4194.7 | 3928.4 | 3617.7 | 3380.9 | 3131.9 | 3016.0 | 2986.4 | 2991.3 |
| 30° | 5057.9 | 4845.8 | 4507.9 | 4152.8 | 3726.2 | 3346.4 | 3062.8 | 2900.1 | 2831.0 | 2806.4 | 2823.6 |
| 32.5° | 5376.0 | 5129.4 | 4614.0 | 4051.7 | 3487.0 | 3075.2 | 2845.8 | 2754.6 | 2653.5 | 2604.1 | 2586.9 |
| 35° | 5721.2 | 5398.2 | 4717.5 | 3881.5 | 3218.2 | 2828.5 | 2685.5 | 2601.7 | 2480.8 | 2426.6 | 2436.4 |
| 37.5° | 6209.5 | 5743.4 | 4724.9 | 3600.4 | 2927.2 | 2690.5 | 2559.8 | 2429.1 | 2330.4 | 2246.6 | 2221.9 |
| 40° | 6867.9 | 6214.4 | 4707.7 | 3304.5 | 2692.9 | 2527.7 | 2431.5 | 2268.8 | 2157.8 | 2098.6 | 2110.9 |
| 42.5° | 7447.4 | 6766.8 | 4636.2 | 2969.1 | 2480.8 | 2416.7 | 2308.2 | 2147.9 | 2039.4 | 1977.8 | 1972.8 |
| 45° | 7935.7 | 7173.7 | 4500.5 | 2683.1 | 2303.3 | 2293.4 | 2167.7 | 2044.3 | 1958.0 | 1901.3 | 1926.0 |
| 47.5° | 8387.0 | 7501.7 | 4295.8 | 2397.0 | 2140.5 | 2160.3 | 2039.4 | 1963.0 | 1908.7 | 1856.9 | 1854.5 |
| 50° | 8549.8 | 7496.8 | 4115.8 | 2160.3 | 2009.8 | 2000.0 | 1995.0 | 1913.6 | 1856.9 | 1812.5 | 1832.3 |
| 52.5° | 8821.0 | 7580.6 | 3921.0 | 1997.5 | 1891.5 | 1893.9 | 1911.2 | 1852.0 | 1787.9 | 1760.8 | 1785.4 |
| 55° | 9210.7 | 7592.9 | 3491.9 | 1807.6 | 1792.8 | 1810.1 | 1810.1 | 1770.6 | 1716.4 | 1694.2 | 1681.8 |
| 56° | 8892.5 | 7225.5 | 3131.9 | 1758.3 | 1743.5 | 1743.5 | 1790.3 | 1746.0 | 1679.4 | 1662.1 | 1647.3 |
| 57.5° | 8202.1 | 6330.3 | 2621.4 | 1699.1 | 1676.9 | 1711.4 | 1736.1 | 1689.2 | 1627.6 | 1602.9 | 1617.7 |
| 60° | 5657.1 | 4283.5 | 1970.4 | 1570.9 | 1570.9 | 1627.6 | 1647.3 | 1578.3 | 1551.1 | 1548.7 | 1528.9 |
| 62.5° | 3302.0 | 2495.6 | 1541.3 | 1455.0 | 1459.9 | 1506.8 | 1521.5 | 1482.1 | 1447.6 | 1489.5 | 1509.2 |
| 65° | 1750.9 | 1489.5 | 1321.8 | 1331.7 | 1334.1 | 1371.1 | 1435.2 | 1432.8 | 1430.3 | 1442.6 | 1445.1 |
| 67.5° | 1267.5 | 1238.0 | 1201.0 | 1191.1 | 1196.0 | 1223.2 | 1287.3 | 1336.6 | 1334.1 | 1304.5 | 1282.3 |
| 70° | 1129.4 | 1087.5 | 1065.3 | 1067.8 | 1048.1 | 1080.1 | 1131.9 | 1164.0 | 1107.3 | 1072.7 | 1057.9 |
| 72.5° | 939.6 | 927.2 | 912.4 | 914.9 | 875.4 | 868.0 | 808.9 | 808.9 | 794.1 | 784.2 | 801.5 |
| 75° | 717.6 | 712.7 | 720.1 | 707.8 | 665.8 | 621.4 | 586.9 | 554.9 | 505.5 | 485.8 | 475.9 |
| 77.5° | 453.8 | 468.5 | 485.8 | 458.7 | 441.4 | 409.4 | 374.8 | 342.8 | 303.3 | 281.1 | 281.1 |
| 80° | 308.3 | 320.6 | 332.9 | 328.0 | 308.3 | 278.7 | 251.5 | 217.0 | 189.9 | 172.6 | 170.2 |
| 82.5° | 234.3 | 244.1 | 261.4 | 241.7 | 221.9 | 197.3 | 175.1 | 150.4 | 125.8 | 106.0 | 106.0 |
| 85° | 83.8 | 96.2 | 106.0 | 115.9 | 123.3 | 125.8 | 108.5 | 88.8 | 71.5 | 56.7 | 54.3 |
| 87.5° | 22.2 | 24.7 | 27.1 | 24.7 | 24.7 | 24.7 | 27.1 | 24.7 | 22.2 | 17.3 | 17.3 |
| 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)