

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: P528390

Luminaire Tested: **GLAN-SA3C-727-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528390
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-SA3C-727-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 14849 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

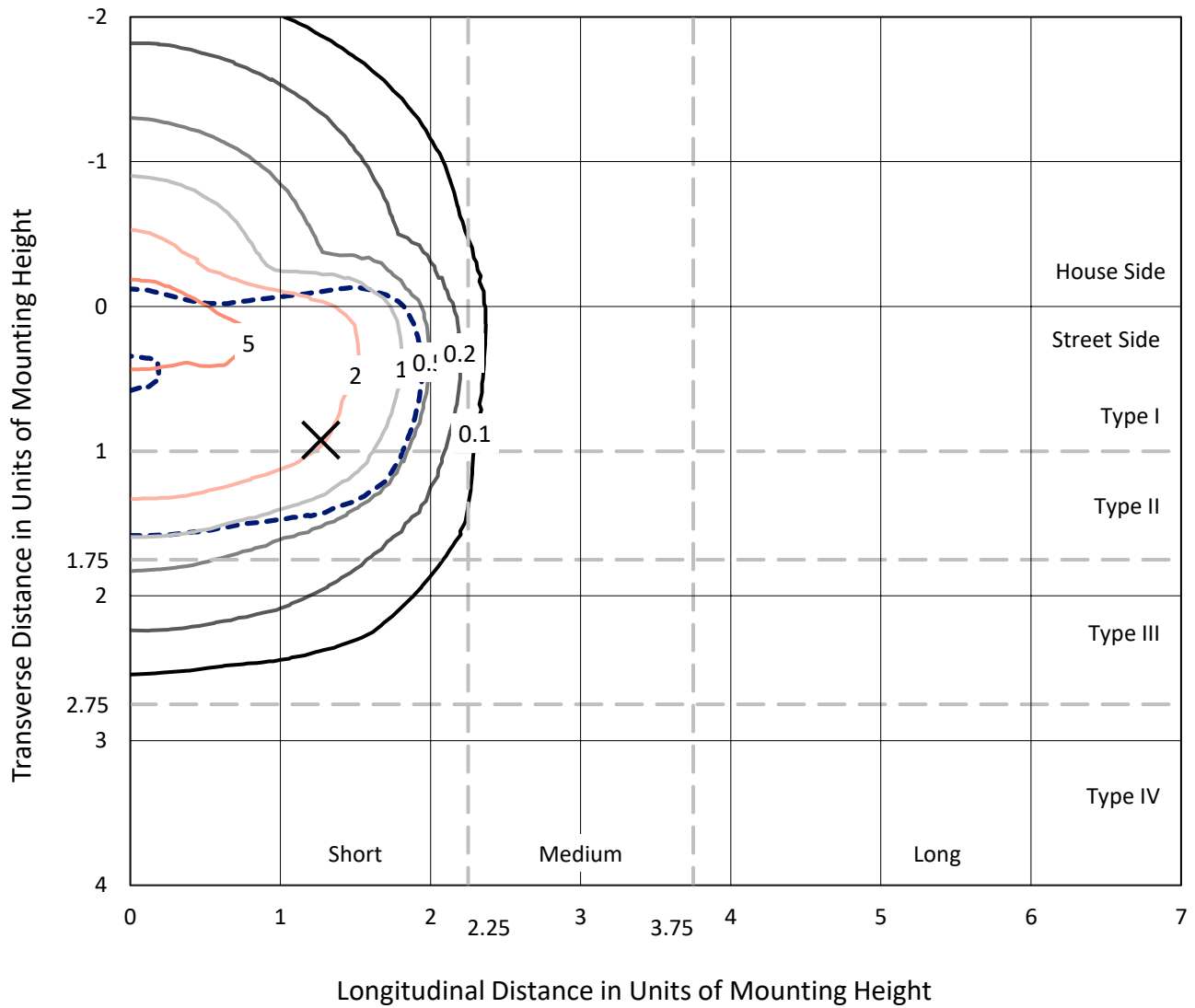
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528390
 CATALOG NUMBER: GLAN-SA3C-727-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

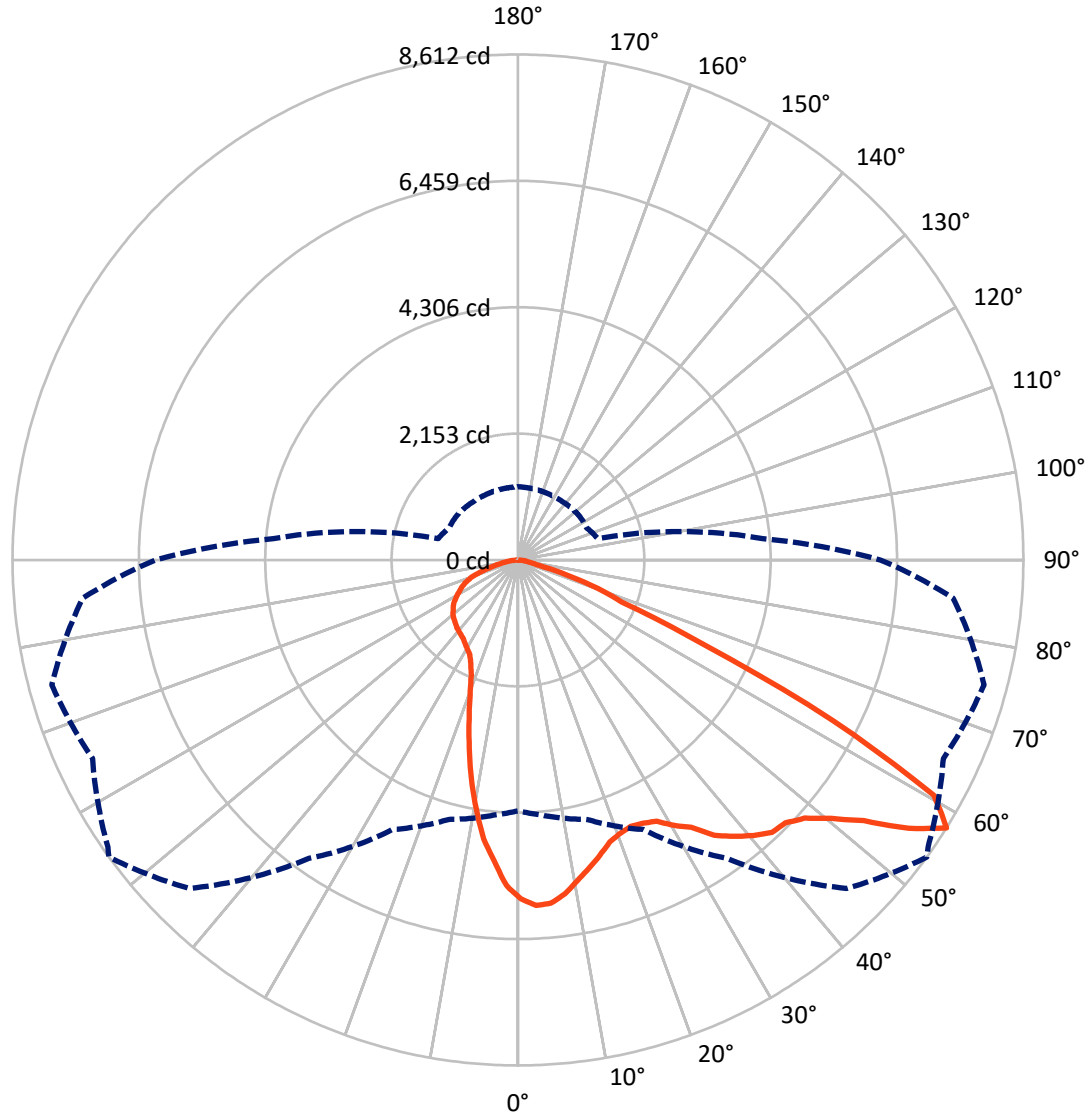
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

REPORT NUMBER: P528390
CATALOG NUMBER: GLAN-SA3C-727-U-SL3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P528390
 CATALOG NUMBER: GLAN-SA3C-727-U-SL3-GRSWH

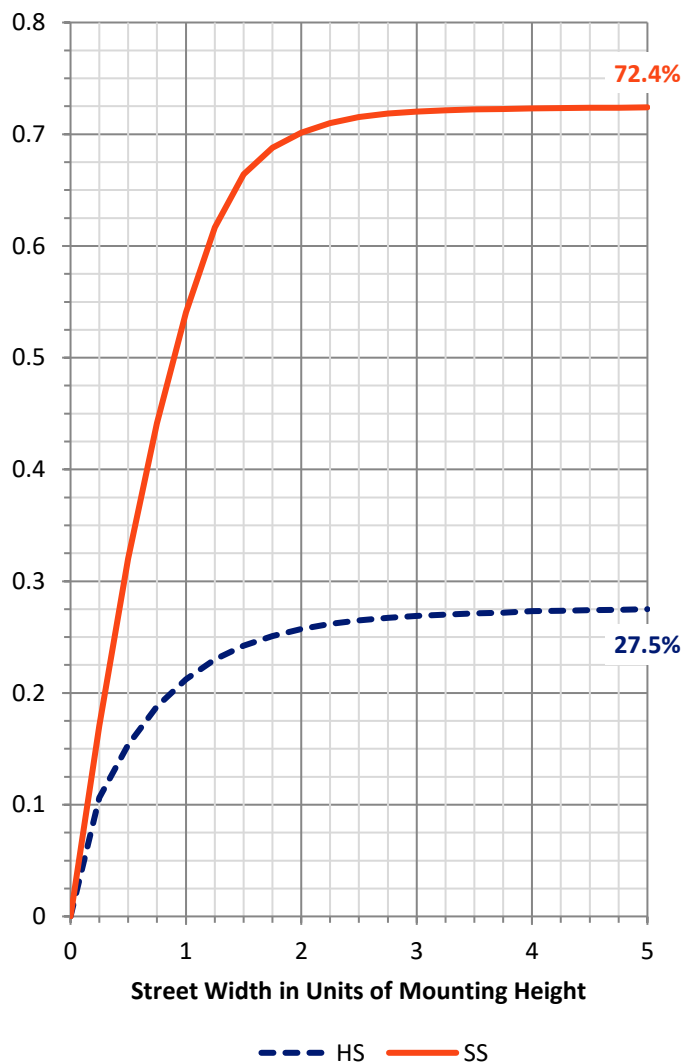
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4108.1 | 0.0 | 4108.1 |
| | % Fixture | 27.7 | 0.0 | 27.7 |
| Street Side | Lumens | 10740.9 | 0.0 | 10740.9 |
| | % Fixture | 72.3 | 0.0 | 72.3 |
| Total | Lumens | 14849.0 | 0.0 | 14849.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 497.7 | 3.4 |
| 10°-20° | 1152.5 | 7.8 |
| 20°-30° | 1619.2 | 10.9 |
| 30°-40° | 2263.7 | 15.2 |
| 40°-50° | 3064.6 | 20.6 |
| 50°-60° | 3732.8 | 25.1 |
| 60°-70° | 1944.2 | 13.1 |
| 70°-80° | 498.2 | 3.4 |
| 80°-90° | 76.0 | 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° | 14849.0 | 100.0 |
| 0°-180° | 14849.0 | 100.0 |

Coefficient of Utilization

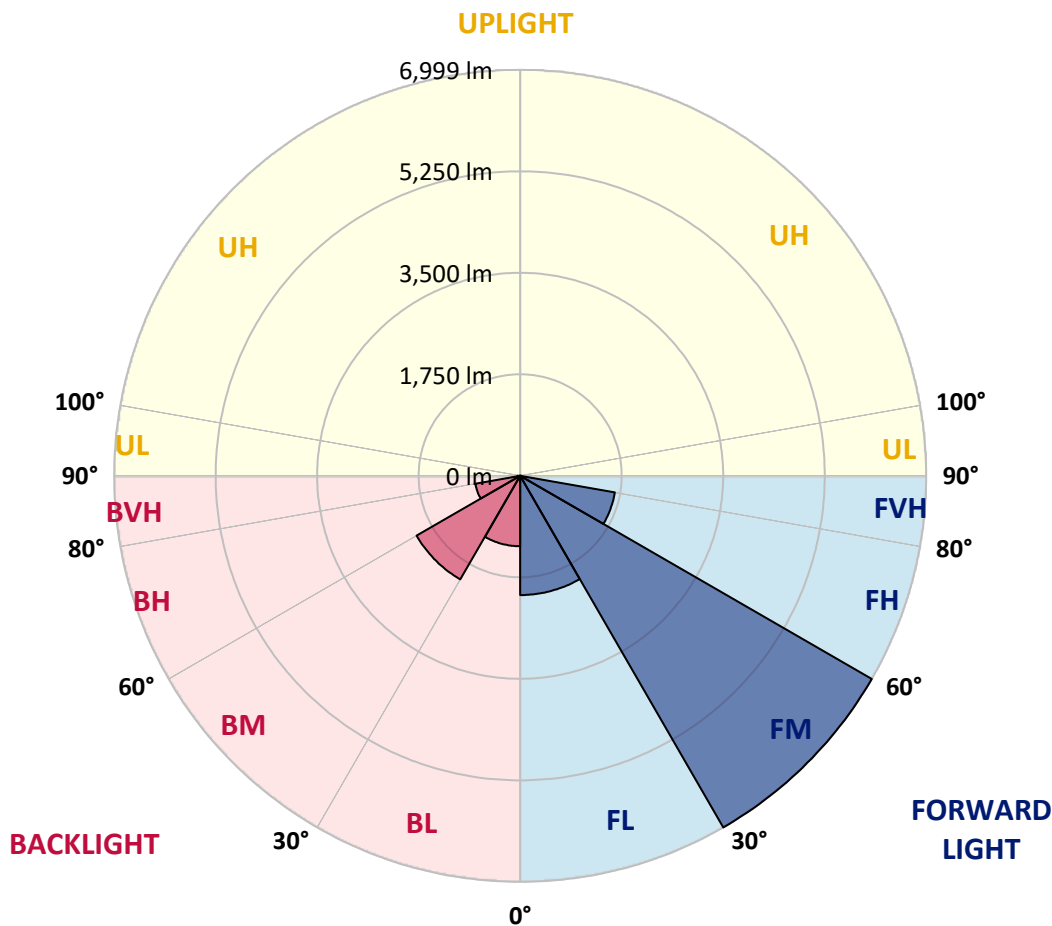


REPORT NUMBER: P528390
 CATALOG NUMBER: GLAN-SA3C-727-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2055.3 | 13.8 | | | |
| FM (30°-60°) | 6999.4 | 47.1 | | | |
| FH (60°-80°) | 1657.6 | 11.2 | | | G1/1800 |
| FVH (80°-90°) | 28.7 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1214.1 | 8.2 | B3/2500 | | |
| BM (30°-60°) | 2061.8 | 13.9 | B2/2500 | | |
| BH (60°-80°) | 784.8 | 5.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 47.3 | 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: P528390

CATALOG NUMBER: GLAN-SA3C-727-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 |
| 2.5° | 5935.8 | 5912.9 | 5916.7 | 5947.2 | 5909.1 | 5893.8 | 5893.8 | 5819.4 | 5825.1 | 5773.5 | 5760.2 |
| 5° | 5798.4 | 5744.9 | 5781.2 | 5827.0 | 5834.6 | 5849.9 | 5874.7 | 5855.6 | 5802.2 | 5746.8 | 5657.1 |
| 7.5° | 5439.5 | 5487.3 | 5500.6 | 5533.1 | 5601.8 | 5664.8 | 5743.0 | 5689.6 | 5687.7 | 5632.3 | 5578.9 |
| 10° | 5124.6 | 5096.0 | 5168.5 | 5216.2 | 5330.7 | 5435.7 | 5556.0 | 5550.2 | 5578.9 | 5515.9 | 5424.3 |
| 12.5° | 4811.6 | 4788.7 | 4823.1 | 4931.8 | 5092.2 | 5244.9 | 5388.0 | 5334.6 | 5487.3 | 5475.8 | 5279.2 |
| 15° | 4479.5 | 4496.7 | 4546.3 | 4647.5 | 4857.4 | 5040.6 | 5222.0 | 5223.9 | 5359.4 | 5405.2 | 5141.8 |
| 17.5° | 4246.7 | 4227.6 | 4290.6 | 4441.3 | 4628.4 | 4847.9 | 5054.0 | 5096.0 | 5304.0 | 5330.7 | 5099.8 |
| 20° | 4073.0 | 4099.7 | 4181.8 | 4258.1 | 4473.8 | 4739.1 | 4971.9 | 4987.2 | 5292.6 | 5365.1 | 5033.0 |
| 22.5° | 4031.0 | 4015.7 | 4042.4 | 4166.5 | 4344.0 | 4632.2 | 4928.0 | 4985.3 | 5290.7 | 5353.7 | 4907.0 |
| 25° | 3987.1 | 4036.7 | 4034.8 | 4158.9 | 4288.6 | 4546.3 | 4964.3 | 5027.3 | 5391.8 | 5412.8 | 4924.2 |
| 27.5° | 4086.3 | 4080.6 | 4134.0 | 4143.6 | 4303.9 | 4569.2 | 5040.6 | 5088.4 | 5559.8 | 5542.6 | 4937.6 |
| 30° | 4185.6 | 4157.0 | 4189.4 | 4302.0 | 4376.4 | 4700.9 | 5250.6 | 5246.8 | 5777.4 | 5765.9 | 4979.6 |
| 32.5° | 4307.7 | 4294.4 | 4315.4 | 4414.6 | 4540.6 | 4876.5 | 5428.1 | 5540.7 | 5998.8 | 6071.3 | 5124.6 |
| 35° | 4330.6 | 4386.0 | 4435.6 | 4569.2 | 4748.6 | 5160.9 | 5762.1 | 5855.6 | 6254.5 | 6481.6 | 5401.4 |
| 37.5° | 4475.7 | 4496.7 | 4613.1 | 4849.8 | 5013.9 | 5540.7 | 5973.9 | 6033.1 | 6487.4 | 6745.0 | 5693.4 |
| 40° | 4630.3 | 4655.1 | 4830.7 | 5078.8 | 5304.0 | 5788.8 | 6172.4 | 6191.5 | 6561.8 | 6947.3 | 5884.2 |
| 42.5° | 4840.2 | 4863.1 | 5036.8 | 5347.9 | 5649.5 | 6000.7 | 6348.0 | 6369.0 | 6556.1 | 7180.2 | 6187.7 |
| 45° | 5057.8 | 5113.2 | 5317.4 | 5670.5 | 5941.5 | 6248.8 | 6388.1 | 6474.0 | 6609.5 | 7388.2 | 6433.9 |
| 47.5° | 5363.2 | 5414.7 | 5582.7 | 5928.1 | 6245.0 | 6466.4 | 6573.3 | 6657.2 | 6737.4 | 7569.5 | 6592.3 |
| 50° | 5687.7 | 5697.2 | 5901.4 | 6214.4 | 6447.3 | 6712.6 | 6918.7 | 6947.3 | 6905.4 | 7779.5 | 6861.5 |
| 52.5° | 5926.2 | 5956.8 | 6115.2 | 6420.6 | 6767.9 | 7094.3 | 7376.8 | 7407.3 | 7325.2 | 7857.7 | 6953.1 |
| 55° | 5531.2 | 5514.0 | 5771.6 | 6178.2 | 6983.6 | 7663.1 | 8073.4 | 8096.3 | 7630.6 | 8100.1 | 7252.7 |
| 57.5° | 4275.3 | 4357.4 | 4576.8 | 5067.4 | 6204.9 | 7915.0 | 8611.6 | 8529.6 | 7997.1 | 8222.3 | 7443.6 |
| 60° | 3107.2 | 3088.1 | 3235.1 | 3563.4 | 4676.1 | 6821.4 | 8142.1 | 8226.1 | 7697.4 | 7411.1 | 6138.1 |
| 62.5° | 2530.8 | 2504.1 | 2515.5 | 2527.0 | 3017.5 | 4527.2 | 6027.4 | 6025.5 | 5928.1 | 5326.9 | 4139.8 |
| 65° | 2023.1 | 2086.1 | 2091.8 | 2177.7 | 2240.7 | 2704.5 | 3492.8 | 3679.8 | 3204.6 | 2628.2 | 1906.7 |
| 67.5° | 1525.0 | 1502.1 | 1578.4 | 1883.8 | 2002.1 | 1952.5 | 1906.7 | 1927.7 | 1370.4 | 988.7 | 931.4 |
| 70° | 899.0 | 889.4 | 981.0 | 1313.1 | 1649.0 | 1551.7 | 1437.2 | 1439.1 | 940.9 | 690.9 | 769.2 |
| 72.5° | 492.4 | 490.5 | 509.6 | 666.1 | 937.1 | 973.4 | 862.7 | 889.4 | 561.1 | 559.2 | 601.2 |
| 75° | 274.8 | 269.1 | 263.4 | 293.9 | 337.8 | 356.9 | 364.5 | 368.4 | 385.5 | 431.3 | 448.5 |
| 77.5° | 101.2 | 97.3 | 97.3 | 112.6 | 143.1 | 179.4 | 227.1 | 230.9 | 272.9 | 313.0 | 330.2 |
| 80° | 34.4 | 38.2 | 51.5 | 70.6 | 95.4 | 127.9 | 154.6 | 158.4 | 192.8 | 219.5 | 225.2 |
| 82.5° | 21.0 | 22.9 | 34.4 | 49.6 | 68.7 | 89.7 | 114.5 | 116.4 | 143.1 | 160.3 | 168.0 |
| 85° | 9.5 | 11.5 | 19.1 | 30.5 | 43.9 | 59.2 | 61.1 | 61.1 | 59.2 | 61.1 | 57.3 |
| 87.5° | 0.0 | 0.0 | 3.8 | 3.8 | 3.8 | 5.7 | 7.6 | 5.7 | 9.5 | 11.5 | 11.5 |
| 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: P528390

CATALOG NUMBER: GLAN-SA3C-727-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 | 5771.6 |
| 2.5° | 5720.1 | 5699.1 | 5634.2 | 5577.0 | 5559.8 | 5483.4 | 5370.8 | 5384.2 | 5302.1 | 5340.3 | 5300.2 |
| 5° | 5641.9 | 5571.2 | 5405.2 | 5334.6 | 5149.4 | 5065.5 | 5008.2 | 4865.0 | 4798.2 | 4784.9 | 4727.6 |
| 7.5° | 5441.4 | 5397.5 | 5189.5 | 4998.6 | 4802.1 | 4634.1 | 4418.4 | 4271.5 | 4166.5 | 4137.9 | 4053.9 |
| 10° | 5283.0 | 5185.7 | 4897.5 | 4607.4 | 4326.8 | 4034.8 | 3754.2 | 3534.7 | 3427.9 | 3303.8 | 3261.8 |
| 12.5° | 5126.5 | 4979.6 | 4590.2 | 4218.0 | 3855.4 | 3487.0 | 3147.3 | 2880.1 | 2647.2 | 2591.9 | 2572.8 |
| 15° | 5029.2 | 4773.4 | 4315.4 | 3866.8 | 3351.5 | 2870.5 | 2530.8 | 2355.2 | 2212.1 | 2152.9 | 2194.9 |
| 17.5° | 4901.3 | 4603.6 | 4052.0 | 3454.6 | 2887.7 | 2444.9 | 2160.5 | 2051.8 | 2000.2 | 2005.9 | 1988.8 |
| 20° | 4741.0 | 4443.2 | 3706.5 | 3080.5 | 2473.6 | 2120.5 | 1958.2 | 1918.2 | 1925.8 | 1939.1 | 1933.4 |
| 22.5° | 4626.5 | 4248.6 | 3456.5 | 2698.8 | 2137.6 | 1941.1 | 1874.3 | 1845.6 | 1870.4 | 1881.9 | 1872.3 |
| 25° | 4538.7 | 4082.5 | 3153.0 | 2361.0 | 1943.0 | 1839.9 | 1809.4 | 1807.5 | 1845.6 | 1860.9 | 1851.4 |
| 27.5° | 4458.5 | 3927.9 | 2851.5 | 2103.3 | 1813.2 | 1761.6 | 1752.1 | 1775.0 | 1799.8 | 1815.1 | 1828.4 |
| 30° | 4410.8 | 3809.6 | 2569.0 | 1887.6 | 1748.3 | 1723.5 | 1706.3 | 1727.3 | 1740.7 | 1755.9 | 1748.3 |
| 32.5° | 4456.6 | 3725.6 | 2296.1 | 1765.5 | 1694.8 | 1670.0 | 1692.9 | 1679.6 | 1702.5 | 1715.8 | 1694.8 |
| 35° | 4599.7 | 3651.2 | 2101.4 | 1700.6 | 1633.8 | 1643.3 | 1647.1 | 1641.4 | 1650.9 | 1639.5 | 1664.3 |
| 37.5° | 4741.0 | 3624.5 | 1922.0 | 1645.2 | 1605.1 | 1605.1 | 1601.3 | 1589.9 | 1609.0 | 1605.1 | 1616.6 |
| 40° | 4920.4 | 3641.6 | 1769.3 | 1586.1 | 1578.4 | 1574.6 | 1559.3 | 1557.4 | 1549.8 | 1551.7 | 1555.5 |
| 42.5° | 5076.9 | 3679.8 | 1681.5 | 1547.9 | 1553.6 | 1561.2 | 1532.6 | 1509.7 | 1519.3 | 1500.2 | 1500.2 |
| 45° | 5243.0 | 3714.2 | 1603.2 | 1521.2 | 1515.4 | 1513.5 | 1490.6 | 1477.3 | 1469.6 | 1471.5 | 1488.7 |
| 47.5° | 5504.4 | 3763.8 | 1544.1 | 1484.9 | 1488.7 | 1460.1 | 1454.4 | 1437.2 | 1444.8 | 1456.3 | 1458.2 |
| 50° | 5689.6 | 3868.8 | 1498.3 | 1442.9 | 1456.3 | 1437.2 | 1402.8 | 1395.2 | 1395.2 | 1414.3 | 1410.5 |
| 52.5° | 5819.4 | 4015.7 | 1454.4 | 1397.1 | 1402.8 | 1387.6 | 1376.1 | 1358.9 | 1347.5 | 1374.2 | 1387.6 |
| 55° | 6216.3 | 4260.0 | 1442.9 | 1358.9 | 1357.0 | 1341.8 | 1320.8 | 1303.6 | 1297.9 | 1301.7 | 1328.4 |
| 57.5° | 6178.2 | 4183.7 | 1406.6 | 1292.1 | 1288.3 | 1267.3 | 1246.3 | 1240.6 | 1238.7 | 1242.5 | 1250.1 |
| 60° | 5015.8 | 3090.0 | 1255.9 | 1215.8 | 1210.1 | 1206.2 | 1185.2 | 1162.3 | 1150.9 | 1162.3 | 1152.8 |
| 62.5° | 3319.1 | 2068.9 | 1107.0 | 1124.2 | 1128.0 | 1118.4 | 1084.1 | 1061.2 | 1065.0 | 1078.4 | 1057.4 |
| 65° | 1630.0 | 1215.8 | 1003.9 | 1049.7 | 1053.6 | 1026.8 | 994.4 | 967.7 | 954.3 | 965.8 | 956.2 |
| 67.5° | 931.4 | 929.5 | 919.9 | 967.7 | 965.8 | 939.0 | 887.5 | 864.6 | 841.7 | 845.5 | 839.8 |
| 70° | 790.2 | 805.4 | 824.5 | 853.1 | 851.2 | 820.7 | 759.6 | 742.4 | 710.0 | 706.2 | 696.6 |
| 72.5° | 622.2 | 648.9 | 690.9 | 711.9 | 694.7 | 656.6 | 616.5 | 587.9 | 559.2 | 542.0 | 547.8 |
| 75° | 461.9 | 500.1 | 523.0 | 536.3 | 509.6 | 488.6 | 456.2 | 421.8 | 387.4 | 372.2 | 366.5 |
| 77.5° | 335.9 | 347.4 | 368.4 | 377.9 | 360.7 | 339.7 | 320.6 | 286.3 | 253.8 | 232.9 | 227.1 |
| 80° | 234.8 | 242.4 | 257.7 | 257.7 | 257.7 | 248.1 | 223.3 | 189.0 | 168.0 | 148.9 | 145.1 |
| 82.5° | 164.1 | 171.8 | 187.0 | 179.4 | 177.5 | 166.0 | 150.8 | 124.1 | 101.2 | 87.8 | 84.0 |
| 85° | 57.3 | 63.0 | 76.3 | 91.6 | 97.3 | 95.4 | 85.9 | 68.7 | 53.4 | 43.9 | 40.1 |
| 87.5° | 13.4 | 13.4 | 15.3 | 13.4 | 13.4 | 15.3 | 13.4 | 13.4 | 13.4 | 9.5 | 7.6 |
| 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)