

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: P653925

Luminaire Tested: **GLAN-SA6A-840-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653925
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-SA6A-840-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA 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: 19330.4 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

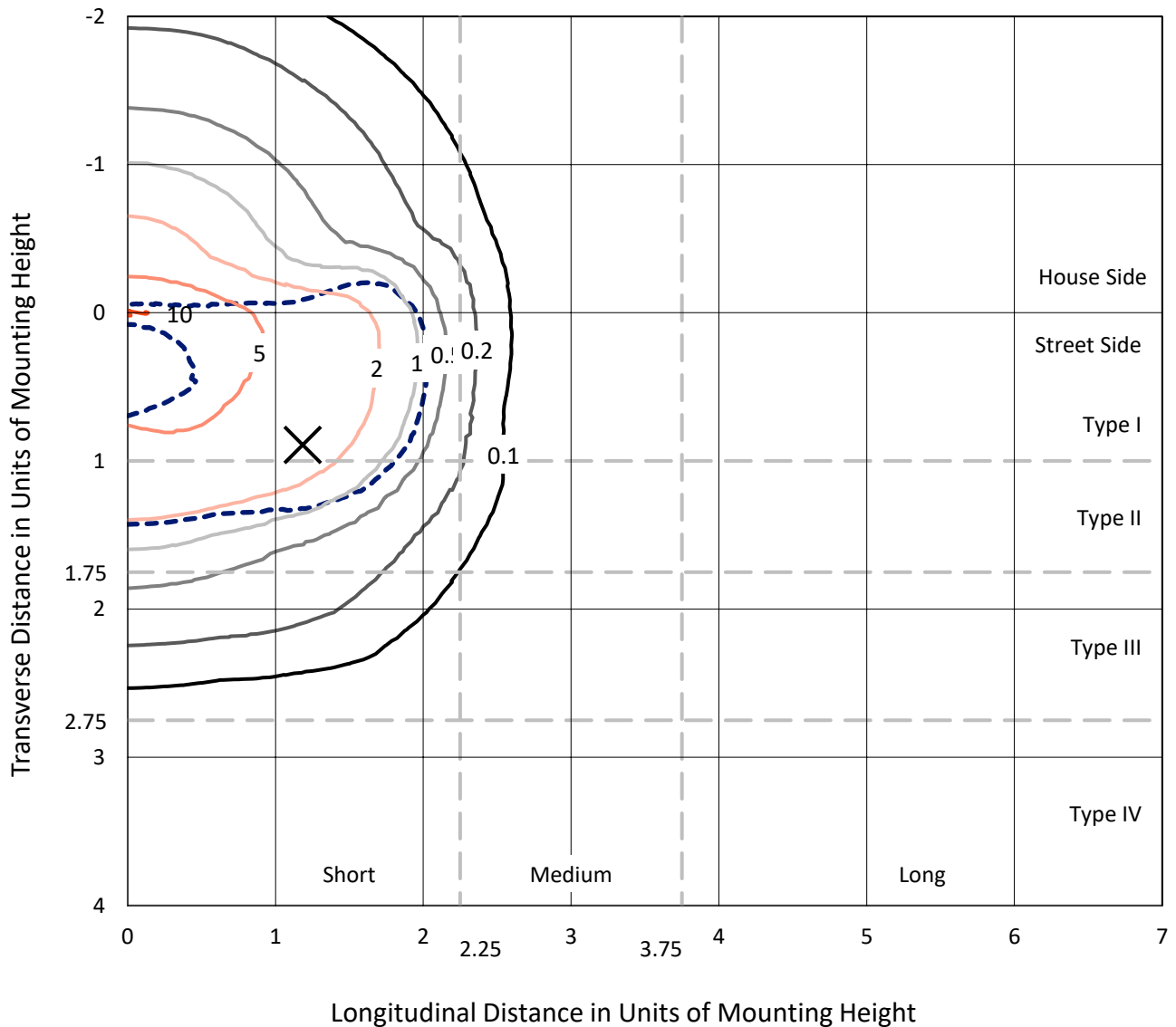
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

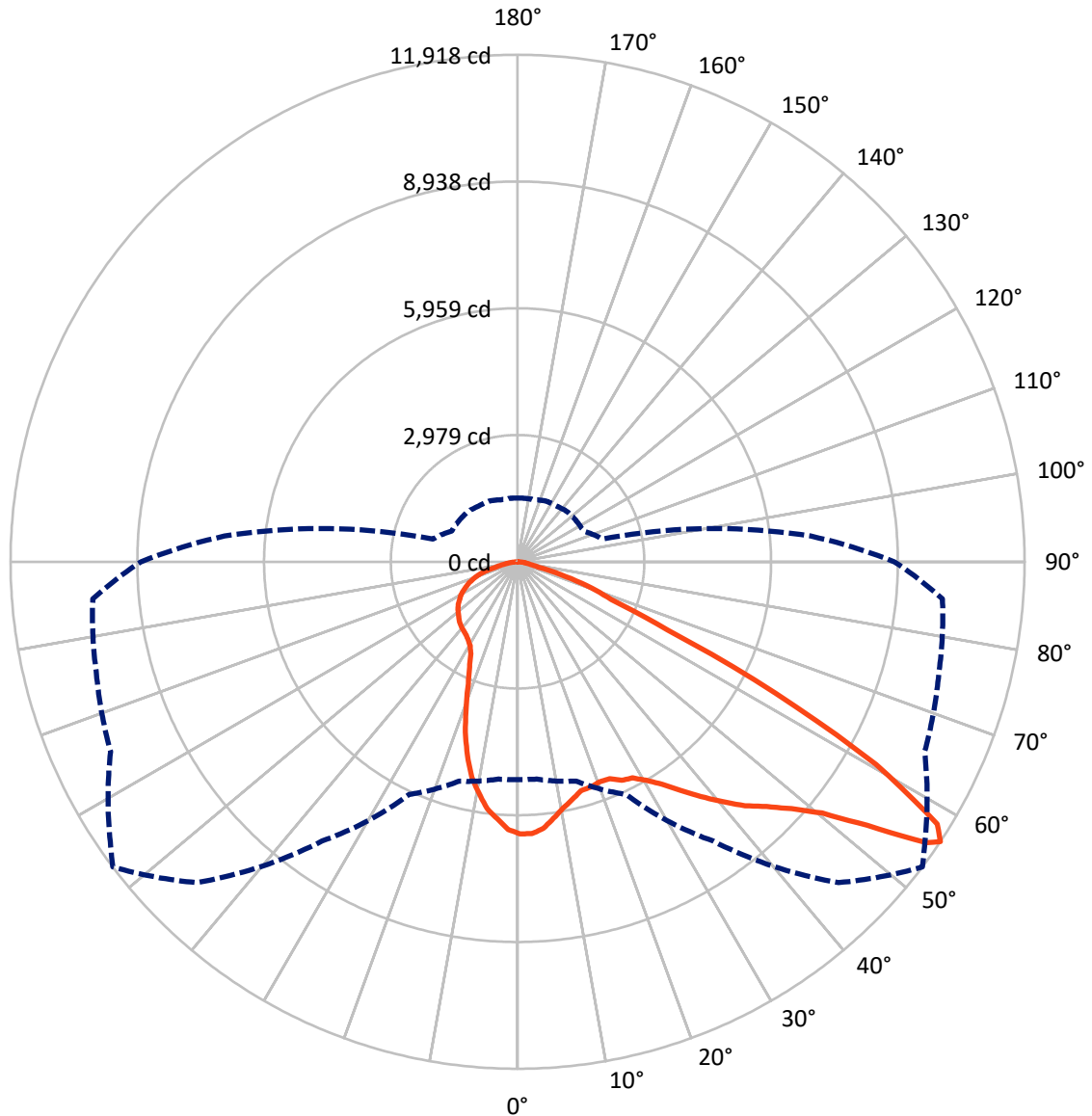
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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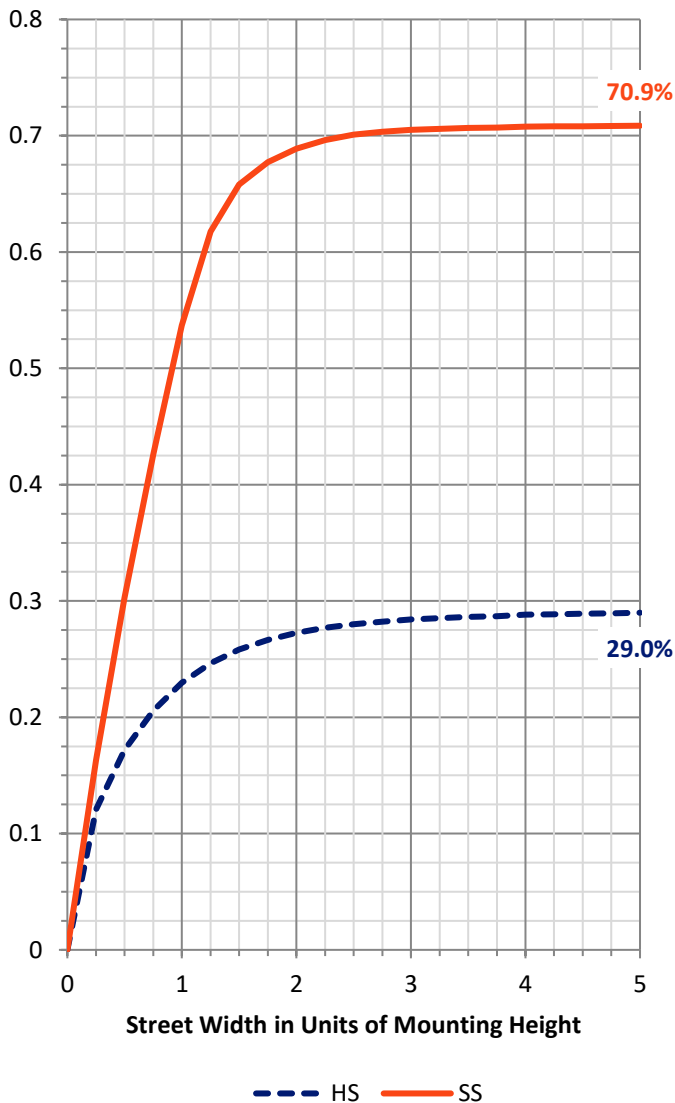
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5641.0 | 0.0 | 5641.0 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 13689.4 | 0.0 | 13689.4 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 19330.4 | 0.0 | 19330.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 566.2 | 2.9 |
| 10°-20° | 1414.0 | 7.3 |
| 20°-30° | 2085.1 | 10.8 |
| 30°-40° | 2979.2 | 15.4 |
| 40°-50° | 4100.5 | 21.2 |
| 50°-60° | 4845.7 | 25.1 |
| 60°-70° | 2582.4 | 13.4 |
| 70°-80° | 655.1 | 3.4 |
| 80°-90° | 102.2 | 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° | 19330.4 | 100.0 |
| 0°-180° | 19330.4 | 100.0 |

Coefficient of Utilization

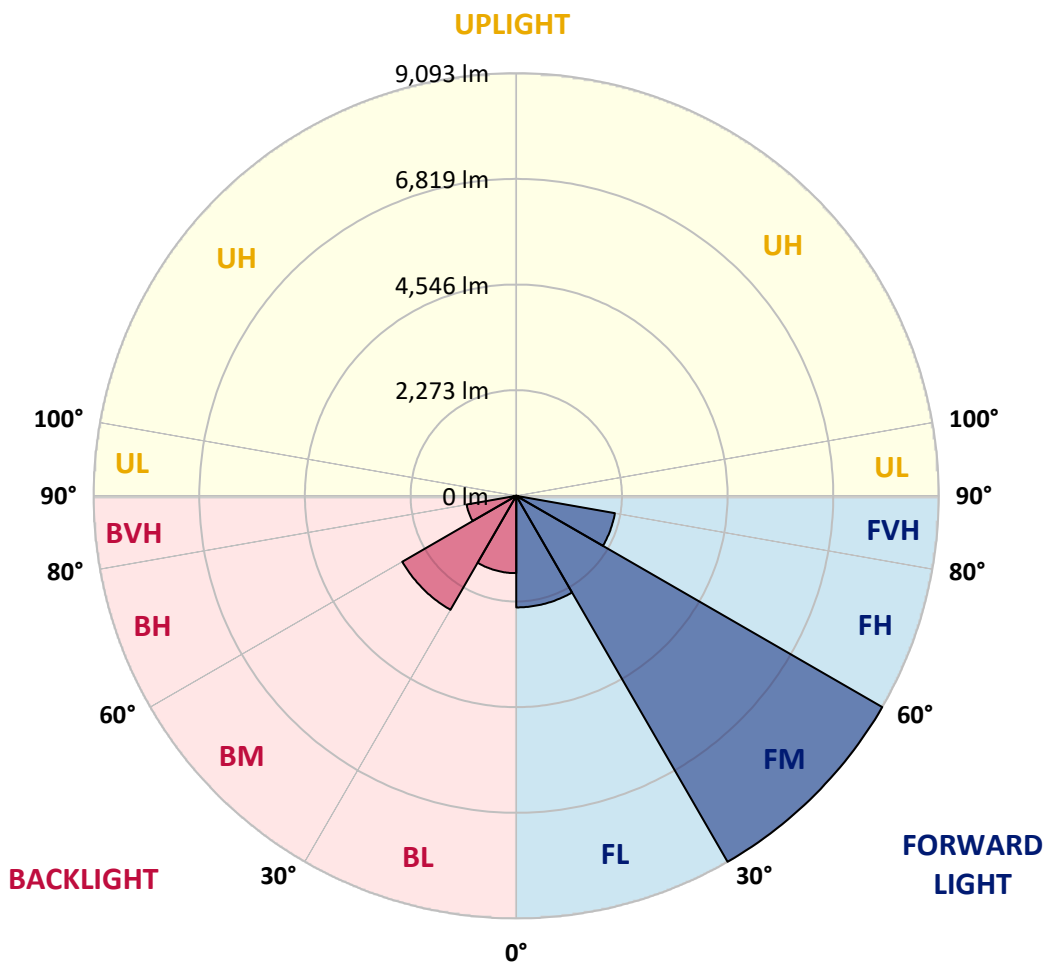


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2401.5 | 12.4 | | | |
| FM (30°-60°) | 9092.6 | 47.0 | | | |
| FH (60°-80°) | 2154.1 | 11.1 | | | G2/5000 |
| FVH (80°-90°) | 41.1 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1663.8 | 8.6 | B3/2500 | | |
| BM (30°-60°) | 2832.7 | 14.7 | B3/5000 | | |
| BH (60°-80°) | 1083.4 | 5.6 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 61.1 | 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° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 |
| 2.5° | 6315.9 | 6261.3 | 6293.6 | 6281.2 | 6382.9 | 6412.6 | 6397.7 | 6410.1 | 6467.2 | 6439.9 | 6382.9 |
| 5° | 5901.8 | 5978.7 | 5993.6 | 6030.7 | 6090.3 | 6206.8 | 6298.5 | 6323.3 | 6350.6 | 6477.0 | 6464.7 |
| 7.5° | 5524.9 | 5576.9 | 5549.7 | 5658.8 | 5787.7 | 5976.1 | 6087.7 | 6107.6 | 6358.0 | 6427.5 | 6479.6 |
| 10° | 5286.8 | 5234.7 | 5358.7 | 5388.5 | 5534.8 | 5750.5 | 5884.4 | 5966.2 | 6194.4 | 6469.6 | 6501.9 |
| 12.5° | 5066.1 | 5048.8 | 5123.1 | 5207.5 | 5371.1 | 5594.3 | 5730.7 | 5763.0 | 6115.1 | 6405.1 | 6556.4 |
| 15° | 4902.4 | 4882.6 | 4957.0 | 5019.0 | 5209.9 | 5408.3 | 5581.9 | 5673.6 | 6028.3 | 6368.0 | 6509.3 |
| 17.5° | 4773.5 | 4771.0 | 4813.2 | 4924.7 | 5120.7 | 5286.8 | 5567.0 | 5572.0 | 5983.6 | 6425.0 | 6549.0 |
| 20° | 4766.0 | 4763.6 | 4771.0 | 4895.0 | 5073.6 | 5276.9 | 5519.9 | 5564.6 | 5983.6 | 6385.3 | 6551.5 |
| 22.5° | 4828.1 | 4788.4 | 4833.0 | 4912.4 | 5041.3 | 5294.3 | 5537.2 | 5636.5 | 6127.4 | 6581.2 | 6663.1 |
| 25° | 4927.3 | 4937.2 | 4962.0 | 4989.2 | 5063.7 | 5334.0 | 5691.0 | 5772.9 | 6296.1 | 6749.9 | 6816.8 |
| 27.5° | 5108.2 | 5103.3 | 5113.2 | 5128.1 | 5192.6 | 5371.1 | 5753.0 | 5963.8 | 6648.2 | 7049.9 | 6983.0 |
| 30° | 5373.6 | 5356.2 | 5395.9 | 5448.0 | 5388.5 | 5490.1 | 5958.8 | 6117.5 | 6975.5 | 7352.4 | 7168.9 |
| 32.5° | 5614.1 | 5678.6 | 5753.0 | 5775.3 | 5703.4 | 5723.3 | 6231.6 | 6392.8 | 7248.2 | 7724.4 | 7397.1 |
| 35° | 5914.2 | 5966.2 | 6065.5 | 6134.8 | 6122.5 | 6062.9 | 6603.5 | 6816.8 | 7642.6 | 7997.2 | 7637.6 |
| 37.5° | 6206.8 | 6268.8 | 6432.5 | 6638.3 | 6524.2 | 6496.9 | 7000.3 | 7176.3 | 7764.1 | 8143.5 | 7813.6 |
| 40° | 6678.0 | 6675.4 | 6958.2 | 7064.8 | 7166.4 | 7119.3 | 7412.0 | 7471.4 | 7828.5 | 8111.2 | 7818.6 |
| 42.5° | 7230.9 | 7196.2 | 7483.9 | 7650.0 | 7781.4 | 7786.4 | 7841.0 | 7821.1 | 7858.3 | 7947.5 | 7766.6 |
| 45° | 7756.6 | 7831.1 | 8121.1 | 8418.7 | 8550.1 | 8565.0 | 8202.9 | 8165.8 | 7910.4 | 7900.4 | 7667.4 |
| 47.5° | 8398.9 | 8416.2 | 8654.3 | 9046.1 | 9351.1 | 9247.0 | 8671.6 | 8589.8 | 8138.5 | 8215.4 | 7833.5 |
| 50° | 8436.1 | 8565.0 | 8778.3 | 9239.5 | 10176.9 | 10149.6 | 9279.2 | 9125.4 | 8505.5 | 8661.7 | 8297.2 |
| 52.5° | 7657.5 | 7627.7 | 7880.6 | 8634.5 | 10114.9 | 11047.2 | 10285.9 | 9919.0 | 9294.1 | 9175.1 | 9048.6 |
| 55° | 5834.9 | 5904.2 | 6127.4 | 6888.7 | 8783.2 | 11059.7 | 11657.3 | 11357.2 | 10137.2 | 9933.8 | 9787.6 |
| 56° | 5118.2 | 5128.1 | 5338.9 | 6033.2 | 8014.6 | 10665.4 | 11917.6 | 11674.6 | 10556.2 | 10246.3 | 10023.1 |
| 57.5° | 4242.8 | 4185.8 | 4294.9 | 4674.3 | 6764.8 | 9832.2 | 11632.5 | 11870.5 | 11047.2 | 10583.6 | 10273.6 |
| 60° | 3340.2 | 3327.8 | 3283.2 | 3352.6 | 4275.1 | 7407.0 | 9683.4 | 10219.0 | 10997.7 | 10266.2 | 9839.6 |
| 62.5° | 2727.7 | 2665.7 | 2755.0 | 2854.2 | 2970.7 | 4595.0 | 6804.4 | 7119.3 | 8731.2 | 8195.5 | 7392.1 |
| 65° | 2115.2 | 2085.4 | 2197.0 | 2519.4 | 2588.9 | 2918.7 | 3875.8 | 4118.9 | 5155.4 | 5063.7 | 4458.6 |
| 67.5° | 1455.6 | 1460.6 | 1557.3 | 2048.3 | 2400.4 | 2370.6 | 2373.1 | 2499.6 | 2690.5 | 1998.6 | 1740.8 |
| 70° | 922.5 | 920.0 | 972.0 | 1319.2 | 1931.7 | 1951.5 | 1852.4 | 1815.1 | 1720.9 | 1041.5 | 1103.5 |
| 72.5° | 592.7 | 575.3 | 602.6 | 729.1 | 999.4 | 1155.5 | 1190.3 | 1212.6 | 996.8 | 818.3 | 887.8 |
| 75° | 334.8 | 317.4 | 307.5 | 339.8 | 394.3 | 456.2 | 500.9 | 515.8 | 577.8 | 619.9 | 657.2 |
| 77.5° | 101.7 | 91.8 | 111.6 | 148.8 | 195.9 | 262.8 | 319.9 | 329.8 | 389.3 | 438.9 | 476.1 |
| 80° | 44.7 | 49.6 | 69.5 | 99.2 | 138.8 | 185.9 | 225.6 | 240.5 | 280.2 | 317.4 | 327.3 |
| 82.5° | 27.2 | 29.8 | 47.1 | 66.9 | 96.7 | 131.4 | 161.2 | 166.2 | 205.8 | 235.6 | 243.0 |
| 85° | 9.9 | 12.4 | 24.8 | 39.7 | 62.0 | 84.4 | 84.4 | 91.8 | 84.4 | 84.4 | 91.8 |
| 87.5° | 0.0 | 0.0 | 2.4 | 5.0 | 5.0 | 7.4 | 9.9 | 9.9 | 12.4 | 14.9 | 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 |



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CATALOG NUMBER: GLAN-SA6A-840-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 | 6395.2 |
| 2.5° | 6412.6 | 6400.2 | 6380.4 | 6308.4 | 6301.0 | 6278.7 | 6154.7 | 6134.8 | 6154.7 | 6095.2 | 6100.2 |
| 5° | 6400.2 | 6437.4 | 6288.7 | 6216.7 | 6082.8 | 5986.1 | 5874.5 | 5817.4 | 5715.8 | 5651.4 | 5723.3 |
| 7.5° | 6454.8 | 6439.9 | 6253.9 | 6097.7 | 5896.8 | 5651.4 | 5455.4 | 5343.9 | 5165.3 | 5115.7 | 5152.9 |
| 10° | 6434.9 | 6355.6 | 6137.4 | 5931.6 | 5552.1 | 5336.4 | 5019.0 | 4711.5 | 4542.9 | 4456.1 | 4443.7 |
| 12.5° | 6407.7 | 6385.3 | 6020.8 | 5666.2 | 5266.9 | 4813.2 | 4366.8 | 4076.7 | 3801.4 | 3682.4 | 3699.8 |
| 15° | 6439.9 | 6251.4 | 5802.6 | 5353.7 | 4823.1 | 4228.0 | 3746.9 | 3372.4 | 3181.5 | 3104.6 | 3104.6 |
| 17.5° | 6425.0 | 6187.0 | 5698.4 | 5004.1 | 4332.1 | 3627.8 | 3099.7 | 2874.0 | 2794.6 | 2794.6 | 2817.0 |
| 20° | 6432.5 | 6229.1 | 5487.7 | 4654.5 | 3751.9 | 3055.0 | 2670.7 | 2588.9 | 2623.6 | 2635.9 | 2648.4 |
| 22.5° | 6474.6 | 6090.3 | 5281.8 | 4270.1 | 3213.7 | 2613.7 | 2425.2 | 2427.6 | 2489.7 | 2556.6 | 2544.2 |
| 25° | 6526.7 | 6035.7 | 5031.4 | 3888.2 | 2802.1 | 2397.9 | 2338.4 | 2330.9 | 2378.1 | 2412.8 | 2417.7 |
| 27.5° | 6482.0 | 5941.5 | 4776.0 | 3412.1 | 2464.9 | 2254.0 | 2241.7 | 2246.6 | 2261.5 | 2330.9 | 2308.6 |
| 30° | 6628.3 | 5968.7 | 4456.1 | 3012.9 | 2278.9 | 2207.0 | 2192.1 | 2184.7 | 2207.0 | 2226.8 | 2209.5 |
| 32.5° | 6809.4 | 5872.0 | 4218.0 | 2628.5 | 2187.1 | 2172.2 | 2142.5 | 2132.6 | 2145.0 | 2125.1 | 2135.0 |
| 35° | 6888.7 | 5854.7 | 3908.0 | 2353.3 | 2115.2 | 2102.8 | 2085.4 | 2083.0 | 2085.4 | 2068.1 | 2053.2 |
| 37.5° | 6933.4 | 5936.5 | 3553.5 | 2226.8 | 2070.6 | 2083.0 | 2043.3 | 2038.3 | 1993.7 | 2003.6 | 2011.1 |
| 40° | 7010.2 | 5810.0 | 3265.9 | 2105.3 | 2043.3 | 2018.5 | 1983.8 | 1976.4 | 1946.6 | 1929.3 | 1946.6 |
| 42.5° | 6898.6 | 5772.9 | 2983.1 | 2053.2 | 2003.6 | 1976.4 | 1951.5 | 1909.4 | 1899.5 | 1884.6 | 1874.7 |
| 45° | 6809.4 | 5559.6 | 2730.2 | 1988.7 | 1956.5 | 1941.6 | 1894.5 | 1849.9 | 1812.7 | 1827.6 | 1805.3 |
| 47.5° | 6876.4 | 5485.2 | 2479.8 | 1934.2 | 1892.1 | 1874.7 | 1827.6 | 1792.8 | 1755.7 | 1738.3 | 1733.3 |
| 50° | 7144.1 | 5624.0 | 2268.9 | 1894.5 | 1837.5 | 1827.6 | 1765.6 | 1725.9 | 1691.2 | 1678.8 | 1683.8 |
| 52.5° | 7783.9 | 6003.5 | 2125.1 | 1812.7 | 1785.4 | 1740.8 | 1706.1 | 1656.4 | 1634.1 | 1594.5 | 1619.3 |
| 55° | 8594.8 | 6620.9 | 2088.0 | 1735.8 | 1720.9 | 1681.2 | 1634.1 | 1597.0 | 1554.8 | 1522.5 | 1515.1 |
| 56° | 8855.1 | 6916.0 | 2058.2 | 1706.1 | 1681.2 | 1659.0 | 1597.0 | 1574.6 | 1507.7 | 1500.3 | 1495.3 |
| 57.5° | 9065.9 | 7176.3 | 2063.1 | 1649.0 | 1624.2 | 1604.4 | 1567.2 | 1512.6 | 1468.0 | 1440.7 | 1453.2 |
| 60° | 8589.8 | 6717.7 | 1968.9 | 1562.2 | 1557.3 | 1520.1 | 1468.0 | 1443.2 | 1388.7 | 1356.4 | 1349.0 |
| 62.5° | 6385.3 | 4560.2 | 1597.0 | 1450.6 | 1448.2 | 1408.5 | 1349.0 | 1321.7 | 1311.8 | 1267.1 | 1267.1 |
| 65° | 3677.4 | 2859.1 | 1381.2 | 1358.9 | 1339.0 | 1299.3 | 1239.9 | 1217.5 | 1192.8 | 1177.9 | 1165.5 |
| 67.5° | 1569.6 | 1482.9 | 1254.8 | 1252.2 | 1230.0 | 1180.3 | 1120.9 | 1086.2 | 1053.9 | 1024.2 | 1039.0 |
| 70° | 1138.2 | 1155.5 | 1133.2 | 1120.9 | 1093.6 | 1031.6 | 979.5 | 937.4 | 887.8 | 867.9 | 882.8 |
| 72.5° | 902.6 | 939.8 | 972.0 | 974.6 | 942.3 | 870.4 | 813.3 | 756.3 | 701.7 | 674.5 | 686.9 |
| 75° | 684.4 | 709.2 | 741.4 | 748.9 | 701.7 | 652.2 | 597.6 | 538.1 | 495.9 | 463.7 | 468.7 |
| 77.5° | 493.5 | 488.5 | 518.2 | 513.3 | 491.0 | 456.2 | 406.7 | 352.1 | 305.0 | 275.3 | 277.7 |
| 80° | 337.2 | 344.7 | 362.1 | 359.5 | 332.3 | 310.0 | 272.7 | 228.2 | 193.4 | 168.6 | 163.7 |
| 82.5° | 235.6 | 248.0 | 262.8 | 250.4 | 228.2 | 205.8 | 178.5 | 146.3 | 119.0 | 99.2 | 94.2 |
| 85° | 84.4 | 96.7 | 111.6 | 119.0 | 126.5 | 121.5 | 101.7 | 81.8 | 59.5 | 49.6 | 47.1 |
| 87.5° | 17.3 | 19.8 | 22.3 | 22.3 | 22.3 | 19.8 | 17.3 | 17.3 | 14.9 | 7.4 | 7.4 |
| 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)