

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: P649497

Luminaire Tested: **GLAN-SA6D-835-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649497
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-SA6D-835-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA 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: 30623.9 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

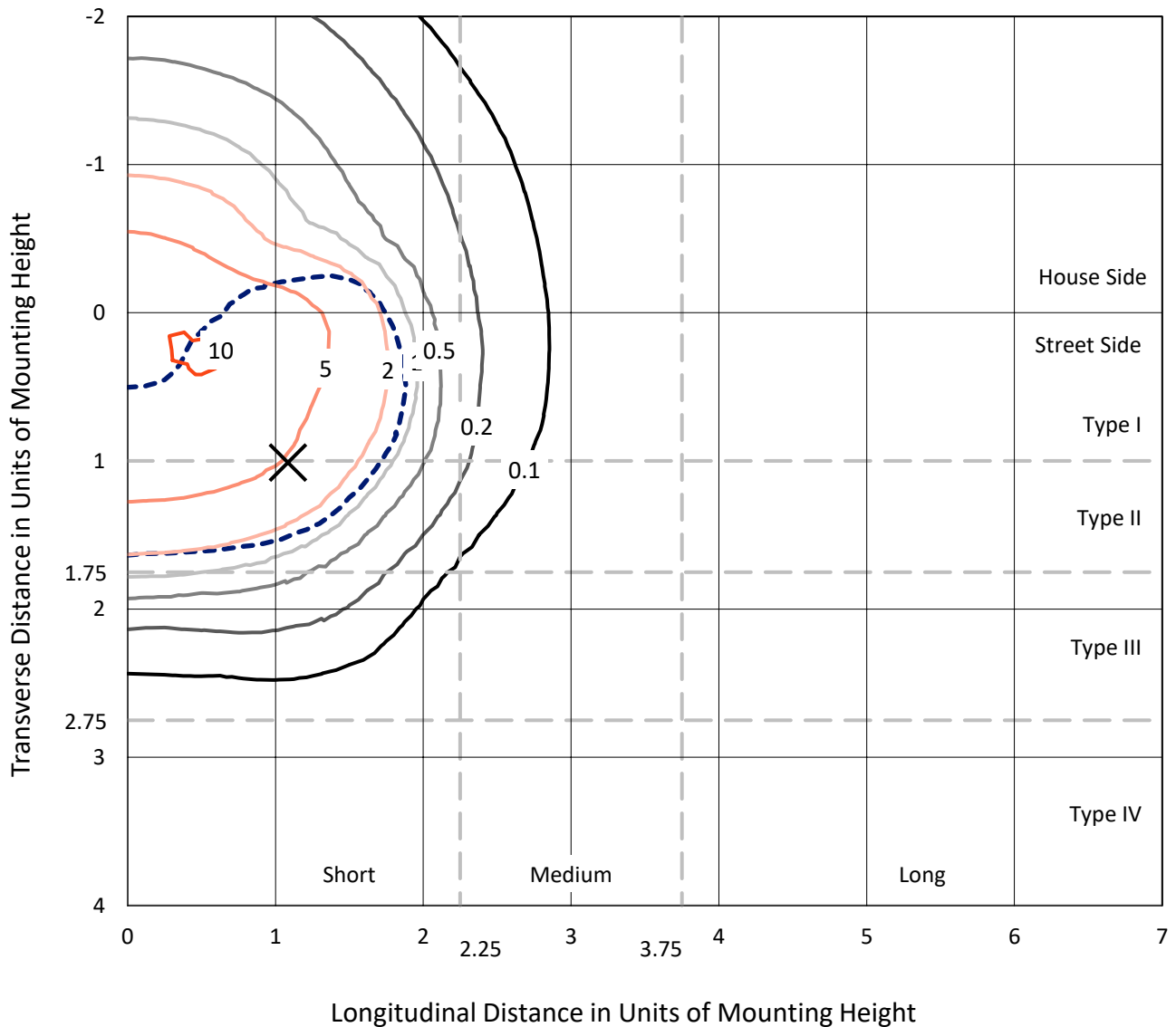
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

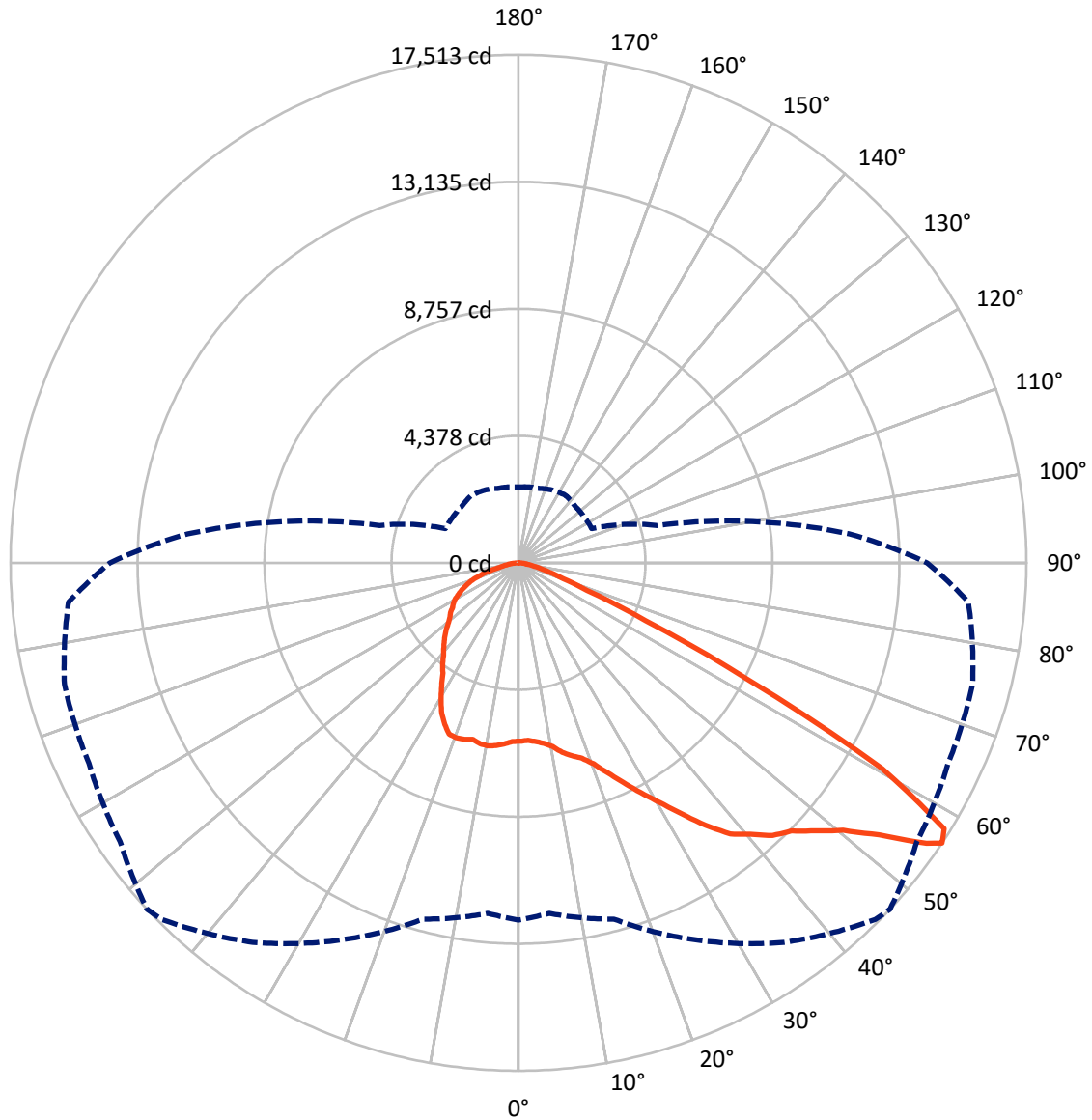
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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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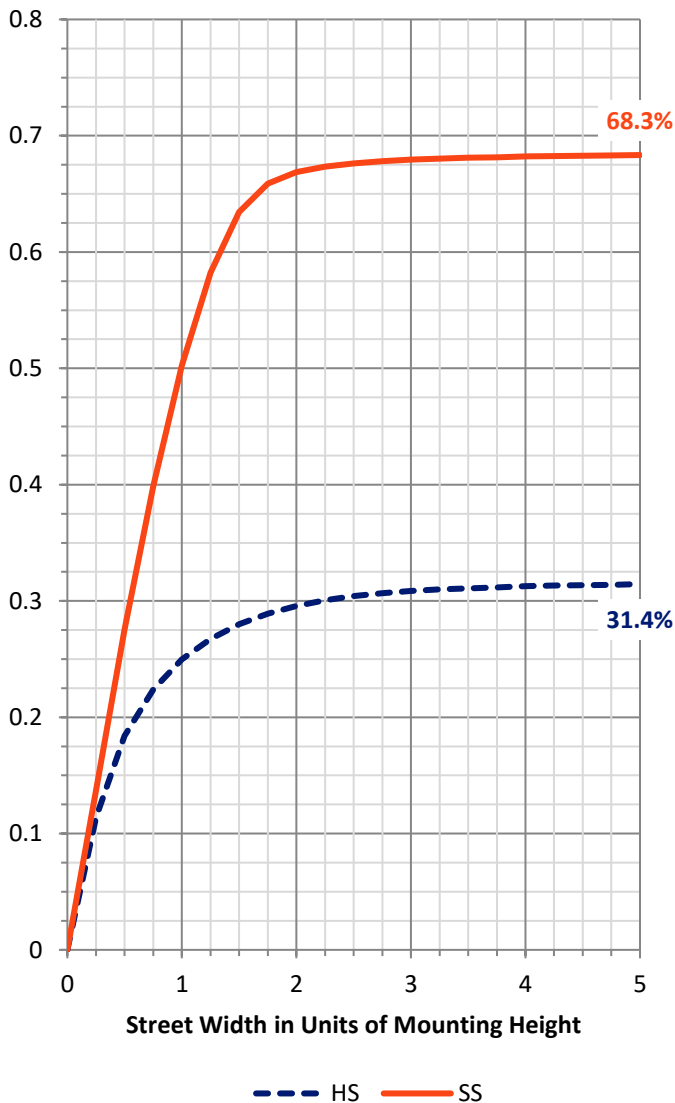
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9704.3 | 0.0 | 9704.3 |
| | % Fixture | 31.7 | 0.0 | 31.7 |
| Street Side | Lumens | 20919.6 | 0.0 | 20919.6 |
| | % Fixture | 68.3 | 0.0 | 68.3 |
| Total | Lumens | 30623.9 | 0.0 | 30623.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 599.4 | 2.0 |
| 10°-20° | 1890.7 | 6.2 |
| 20°-30° | 3342.3 | 10.9 |
| 30°-40° | 5020.1 | 16.4 |
| 40°-50° | 6889.6 | 22.5 |
| 50°-60° | 8208.0 | 26.8 |
| 60°-70° | 3512.5 | 11.5 |
| 70°-80° | 994.0 | 3.2 |
| 80°-90° | 167.3 | 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° | 30623.9 | 100.0 |
| 0°-180° | 30623.9 | 100.0 |

Coefficient of Utilization



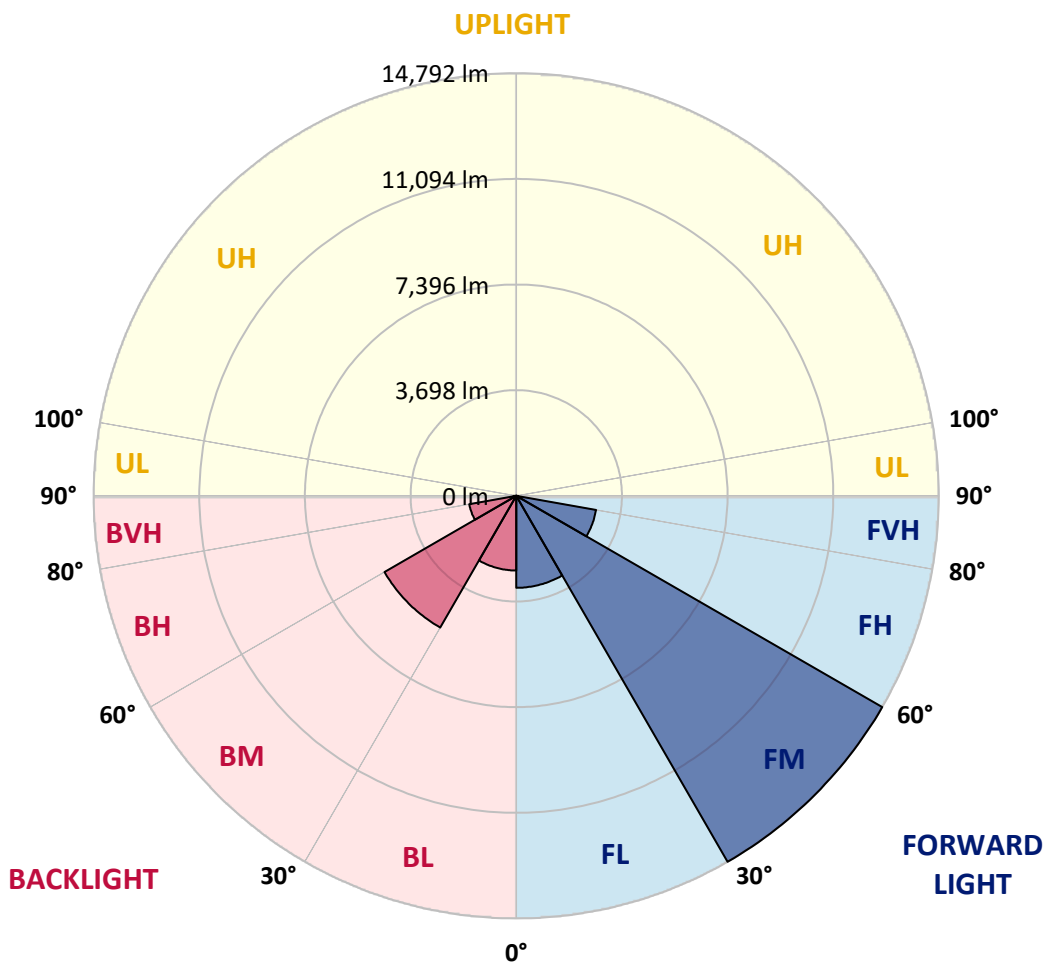
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3219.6 | 10.5 | | | |
| FM (30°-60°) | 14792.1 | 48.3 | | | |
| FH (60°-80°) | 2836.9 | 9.3 | | | G2/5000 |
| FVH (80°-90°) | 71.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2612.8 | 8.5 | B4/5000 | | |
| BM (30°-60°) | 5325.6 | 17.4 | B4/8500 | | |
| BH (60°-80°) | 1669.7 | 5.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 96.3 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 47° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 |
| 2.5° | 6128.0 | 6116.2 | 6108.4 | 6171.0 | 6147.5 | 6151.4 | 6128.0 | 6151.4 | 6167.1 | 6131.9 | 6182.6 |
| 5° | 6116.2 | 6151.4 | 6120.2 | 6139.7 | 6190.5 | 6174.8 | 6190.5 | 6237.3 | 6225.6 | 6213.9 | 6198.3 |
| 7.5° | 6225.6 | 6229.5 | 6253.0 | 6260.8 | 6276.4 | 6260.8 | 6284.2 | 6327.2 | 6315.4 | 6249.0 | 6256.9 |
| 10° | 6381.8 | 6389.7 | 6393.6 | 6436.5 | 6463.9 | 6467.7 | 6440.4 | 6401.3 | 6397.5 | 6487.3 | 6424.8 |
| 12.5° | 6561.5 | 6542.0 | 6588.9 | 6604.4 | 6635.7 | 6670.8 | 6706.0 | 6624.0 | 6674.8 | 6678.7 | 6604.4 |
| 15° | 6823.2 | 6842.7 | 6788.1 | 6788.1 | 6799.7 | 6803.6 | 6901.3 | 6862.2 | 6854.5 | 6811.5 | 6842.7 |
| 17.5° | 7213.8 | 7081.0 | 7077.1 | 7022.4 | 7014.6 | 7045.8 | 7081.0 | 7112.2 | 7217.7 | 7131.7 | 6963.8 |
| 20° | 7498.9 | 7530.1 | 7416.8 | 7350.4 | 7362.2 | 7432.5 | 7397.3 | 7537.9 | 7612.2 | 7471.5 | 7307.5 |
| 22.5° | 8002.7 | 7897.3 | 7924.6 | 7776.1 | 7787.9 | 7862.1 | 7858.2 | 8002.7 | 8045.6 | 7823.0 | 7584.8 |
| 25° | 8342.5 | 8315.1 | 8338.6 | 8221.4 | 8237.0 | 8295.7 | 8389.4 | 8627.6 | 8557.3 | 8311.2 | 7760.5 |
| 27.5° | 8838.5 | 8783.9 | 8764.3 | 8721.4 | 8705.7 | 8861.9 | 8971.3 | 9225.1 | 9174.4 | 8815.1 | 8073.0 |
| 30° | 9346.3 | 9311.1 | 9330.6 | 9154.8 | 9217.3 | 9549.3 | 9580.6 | 9928.2 | 9904.7 | 9272.1 | 8420.6 |
| 32.5° | 9697.8 | 9717.3 | 9752.4 | 9654.8 | 9932.1 | 10197.7 | 10303.1 | 10697.6 | 10717.2 | 10057.1 | 9092.4 |
| 35° | 10264.1 | 10197.7 | 10217.2 | 10330.4 | 10459.4 | 10943.7 | 11115.5 | 11377.2 | 11541.2 | 10881.2 | 9736.8 |
| 37.5° | 10619.5 | 10689.8 | 10607.8 | 10787.5 | 11123.3 | 11705.2 | 11861.5 | 12130.9 | 12302.8 | 11693.6 | 10615.6 |
| 40° | 11174.1 | 11060.8 | 11119.4 | 11248.3 | 11592.0 | 12349.7 | 12306.7 | 12584.1 | 12638.7 | 12384.9 | 11435.8 |
| 42.5° | 11771.6 | 11717.0 | 11635.0 | 11927.9 | 12216.9 | 12767.6 | 12853.5 | 12724.6 | 13001.9 | 13060.5 | 12607.5 |
| 45° | 12486.4 | 12552.8 | 12564.5 | 12572.3 | 12826.2 | 13306.6 | 13189.4 | 13076.2 | 13396.4 | 13822.1 | 13333.9 |
| 47.5° | 13150.3 | 12939.5 | 13091.8 | 13302.7 | 13662.0 | 13665.9 | 13802.6 | 13533.1 | 13872.9 | 14251.8 | 13990.1 |
| 50° | 13373.0 | 13271.5 | 13474.5 | 13872.9 | 14427.5 | 14486.1 | 14501.7 | 14119.0 | 14294.7 | 14595.4 | 14216.6 |
| 52.5° | 13287.0 | 13251.9 | 13771.3 | 14388.5 | 15200.8 | 15497.7 | 15575.7 | 15103.2 | 15200.8 | 15064.1 | 14716.6 |
| 55° | 12877.0 | 12982.4 | 13505.7 | 14763.4 | 16009.3 | 16927.1 | 17075.5 | 16478.0 | 15857.0 | 15962.4 | 15579.7 |
| 56° | 12314.6 | 12130.9 | 12716.9 | 14337.7 | 15974.1 | 17391.9 | 17513.0 | 16767.0 | 16345.2 | 16208.5 | 15571.8 |
| 57.5° | 10447.6 | 10209.4 | 10978.8 | 12900.4 | 15087.5 | 17216.1 | 17305.9 | 16888.1 | 16263.1 | 15985.9 | 14435.3 |
| 60° | 6116.2 | 6233.5 | 7209.9 | 8897.1 | 11638.9 | 14115.1 | 14415.8 | 14720.4 | 14302.5 | 13060.5 | 10744.5 |
| 62.5° | 2952.7 | 2878.5 | 3577.6 | 5100.8 | 7092.6 | 9010.4 | 8920.6 | 9775.8 | 10244.5 | 9279.9 | 6784.1 |
| 65° | 1546.7 | 1538.8 | 1952.8 | 2784.7 | 3897.9 | 4733.6 | 4815.7 | 5276.6 | 5921.0 | 4780.5 | 3444.8 |
| 67.5° | 1136.5 | 1167.8 | 1374.8 | 1956.7 | 2507.4 | 2558.2 | 2546.5 | 2776.9 | 2839.4 | 2402.0 | 2116.8 |
| 70° | 890.5 | 906.1 | 1058.5 | 1488.1 | 1866.9 | 1671.6 | 1636.5 | 1663.8 | 1847.4 | 1925.5 | 1831.8 |
| 72.5° | 644.4 | 660.1 | 789.0 | 1003.7 | 1167.8 | 1140.4 | 1163.9 | 1316.2 | 1542.7 | 1624.7 | 1527.1 |
| 75° | 429.6 | 441.4 | 511.6 | 613.2 | 691.3 | 746.0 | 789.0 | 964.7 | 1175.6 | 1222.5 | 1175.6 |
| 77.5° | 296.8 | 308.6 | 355.4 | 433.5 | 441.4 | 476.5 | 492.1 | 574.1 | 703.1 | 761.6 | 730.4 |
| 80° | 168.0 | 168.0 | 191.4 | 222.6 | 273.4 | 320.2 | 328.1 | 394.5 | 453.0 | 492.1 | 499.9 |
| 82.5° | 78.1 | 82.0 | 101.6 | 136.7 | 179.7 | 222.6 | 230.4 | 273.4 | 316.3 | 355.4 | 367.1 |
| 85° | 39.1 | 43.0 | 58.6 | 82.0 | 109.4 | 132.8 | 128.9 | 132.8 | 140.6 | 132.8 | 136.7 |
| 87.5° | 11.7 | 11.7 | 15.7 | 19.5 | 15.7 | 19.5 | 19.5 | 23.4 | 27.3 | 31.2 | 35.2 |
| 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: P649497

CATALOG NUMBER: GLAN-SA6D-835-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 | 6151.4 |
| 2.5° | 6186.6 | 6198.3 | 6120.2 | 6194.4 | 6167.1 | 6163.1 | 6217.8 | 6210.0 | 6229.5 | 6221.7 | 6174.8 |
| 5° | 6190.5 | 6163.1 | 6245.1 | 6171.0 | 6206.1 | 6280.3 | 6229.5 | 6346.7 | 6288.1 | 6327.2 | 6241.2 |
| 7.5° | 6311.5 | 6319.4 | 6303.7 | 6335.0 | 6319.4 | 6354.5 | 6327.2 | 6354.5 | 6307.6 | 6311.5 | 6389.7 |
| 10° | 6417.0 | 6393.6 | 6420.9 | 6381.8 | 6409.2 | 6397.5 | 6335.0 | 6315.4 | 6331.1 | 6311.5 | 6362.3 |
| 12.5° | 6612.3 | 6569.3 | 6549.8 | 6502.9 | 6471.7 | 6354.5 | 6256.9 | 6202.2 | 6276.4 | 6288.1 | 6264.7 |
| 15° | 6811.5 | 6815.4 | 6725.6 | 6620.1 | 6424.8 | 6249.0 | 6272.5 | 6292.0 | 6292.0 | 6323.3 | 6264.7 |
| 17.5° | 6936.4 | 6936.4 | 6854.5 | 6643.5 | 6444.3 | 6342.8 | 6319.4 | 6256.9 | 6202.2 | 6194.4 | 6190.5 |
| 20° | 7155.1 | 7088.7 | 6901.3 | 6639.6 | 6436.5 | 6389.7 | 6213.9 | 6065.5 | 5952.2 | 5913.1 | 5909.3 |
| 22.5° | 7405.1 | 7237.2 | 6975.5 | 6647.4 | 6424.8 | 6358.4 | 6030.4 | 5807.7 | 5604.6 | 5518.7 | 5530.4 |
| 25° | 7635.6 | 7366.1 | 7018.5 | 6612.3 | 6381.8 | 6061.6 | 5694.4 | 5385.9 | 5175.0 | 5104.7 | 5069.5 |
| 27.5° | 7795.7 | 7502.8 | 7018.5 | 6643.5 | 6221.7 | 5729.6 | 5354.6 | 4960.2 | 4776.6 | 4729.8 | 4737.5 |
| 30° | 8010.5 | 7674.7 | 7139.6 | 6577.1 | 5901.5 | 5300.0 | 4850.8 | 4593.1 | 4483.7 | 4444.6 | 4471.9 |
| 32.5° | 8514.3 | 8123.8 | 7307.5 | 6417.0 | 5522.6 | 4870.3 | 4507.1 | 4362.6 | 4202.5 | 4124.4 | 4097.0 |
| 35° | 9061.1 | 8549.5 | 7471.5 | 6147.5 | 5096.9 | 4479.8 | 4253.3 | 4120.5 | 3929.1 | 3843.2 | 3858.8 |
| 37.5° | 9834.5 | 9096.3 | 7483.2 | 5702.3 | 4636.0 | 4261.1 | 4054.1 | 3847.0 | 3690.8 | 3558.0 | 3519.0 |
| 40° | 10877.3 | 9842.2 | 7455.9 | 5233.6 | 4265.0 | 4003.3 | 3851.0 | 3593.2 | 3417.5 | 3323.7 | 3343.3 |
| 42.5° | 11795.1 | 10717.2 | 7342.7 | 4702.4 | 3929.1 | 3827.5 | 3655.7 | 3401.8 | 3230.0 | 3132.3 | 3124.6 |
| 45° | 12568.4 | 11361.6 | 7127.8 | 4249.3 | 3647.9 | 3632.3 | 3433.1 | 3237.8 | 3101.1 | 3011.3 | 3050.3 |
| 47.5° | 13283.1 | 11881.0 | 6803.6 | 3796.3 | 3390.1 | 3421.4 | 3230.0 | 3108.9 | 3023.0 | 2940.9 | 2937.0 |
| 50° | 13540.9 | 11873.2 | 6518.6 | 3421.4 | 3183.1 | 3167.5 | 3159.6 | 3030.8 | 2940.9 | 2870.6 | 2901.9 |
| 52.5° | 13970.5 | 12006.0 | 6210.0 | 3163.6 | 2995.7 | 2999.5 | 3026.9 | 2933.1 | 2831.6 | 2788.7 | 2827.7 |
| 55° | 14587.6 | 12025.5 | 5530.4 | 2862.9 | 2839.4 | 2866.7 | 2866.7 | 2804.2 | 2718.3 | 2683.2 | 2663.7 |
| 56° | 14083.8 | 11443.5 | 4960.2 | 2784.7 | 2761.3 | 2761.3 | 2835.5 | 2765.2 | 2659.8 | 2632.4 | 2609.0 |
| 57.5° | 12990.2 | 10025.8 | 4151.7 | 2691.0 | 2655.9 | 2710.5 | 2749.6 | 2675.4 | 2577.7 | 2538.6 | 2562.1 |
| 60° | 8959.6 | 6784.1 | 3120.6 | 2487.9 | 2487.9 | 2577.7 | 2609.0 | 2499.6 | 2456.7 | 2452.7 | 2421.5 |
| 62.5° | 5229.7 | 3952.5 | 2441.0 | 2304.4 | 2312.1 | 2386.3 | 2409.8 | 2347.3 | 2292.6 | 2359.0 | 2390.3 |
| 65° | 2773.0 | 2359.0 | 2093.4 | 2109.1 | 2112.9 | 2171.6 | 2273.1 | 2269.2 | 2265.3 | 2284.8 | 2288.7 |
| 67.5° | 2007.5 | 1960.6 | 1902.1 | 1886.4 | 1894.2 | 1937.2 | 2038.8 | 2116.8 | 2112.9 | 2066.1 | 2030.9 |
| 70° | 1788.8 | 1722.4 | 1687.2 | 1691.1 | 1659.9 | 1710.7 | 1792.7 | 1843.5 | 1753.6 | 1699.0 | 1675.5 |
| 72.5° | 1488.1 | 1468.5 | 1445.1 | 1449.0 | 1386.5 | 1374.8 | 1281.1 | 1281.1 | 1257.7 | 1242.0 | 1269.3 |
| 75° | 1136.5 | 1128.8 | 1140.4 | 1120.9 | 1054.5 | 984.2 | 929.6 | 878.8 | 800.7 | 769.4 | 753.8 |
| 77.5° | 718.6 | 742.0 | 769.4 | 726.5 | 699.1 | 648.3 | 593.7 | 542.9 | 480.4 | 445.2 | 445.2 |
| 80° | 488.2 | 507.7 | 527.3 | 519.4 | 488.2 | 441.4 | 398.4 | 343.7 | 300.8 | 273.4 | 269.5 |
| 82.5° | 371.1 | 386.6 | 414.0 | 382.7 | 351.5 | 312.4 | 277.3 | 238.3 | 199.2 | 168.0 | 168.0 |
| 85° | 132.8 | 152.3 | 168.0 | 183.5 | 195.3 | 199.2 | 171.9 | 140.6 | 113.3 | 89.8 | 85.9 |
| 87.5° | 35.2 | 39.1 | 43.0 | 39.1 | 39.1 | 39.1 | 43.0 | 39.1 | 35.2 | 27.3 | 27.3 |
| 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)