

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: P851646

Luminaire Tested: **GLAN-SB9D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71816 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

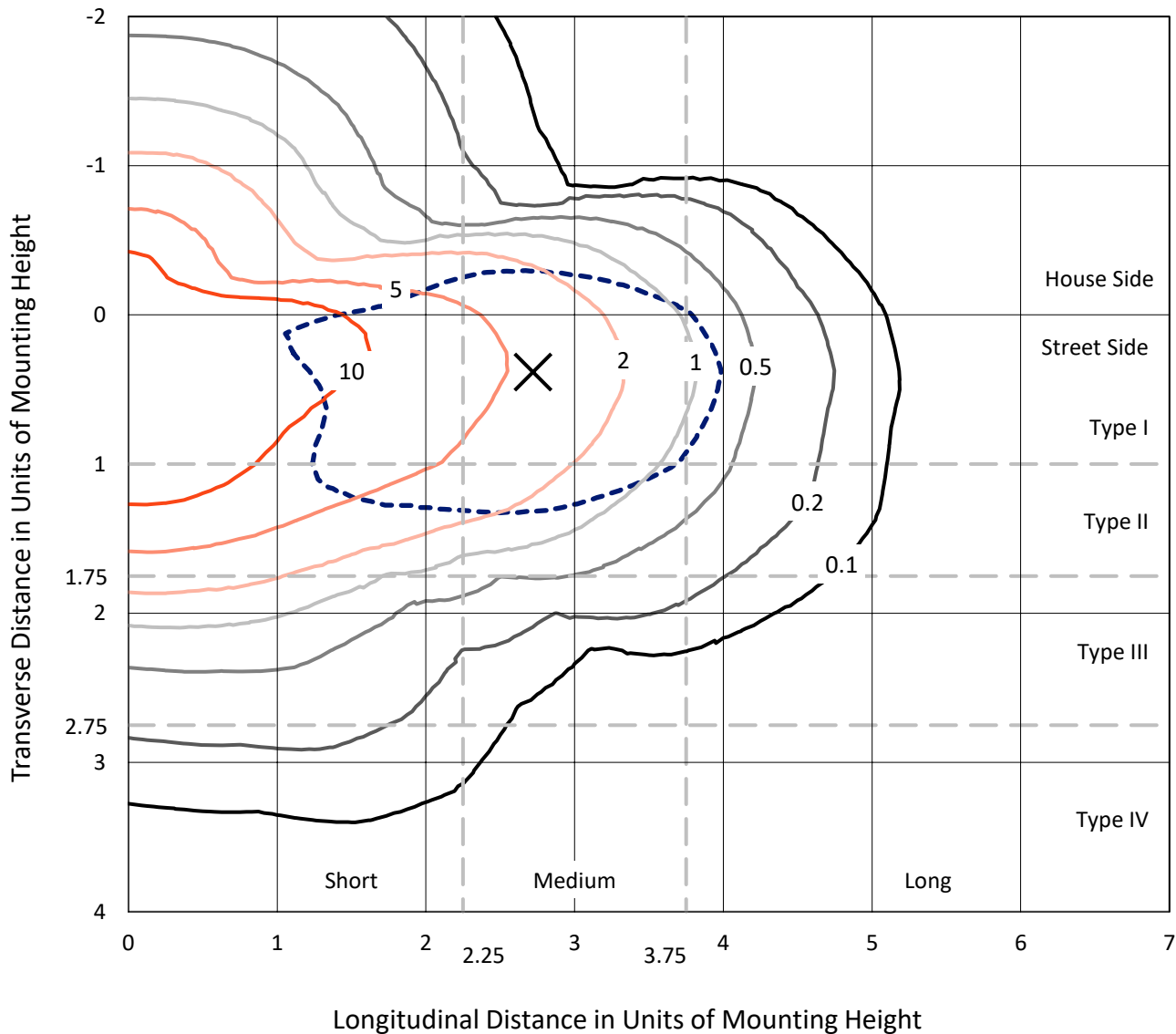
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851646
 CATALOG NUMBER: GLAN-SB9D-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

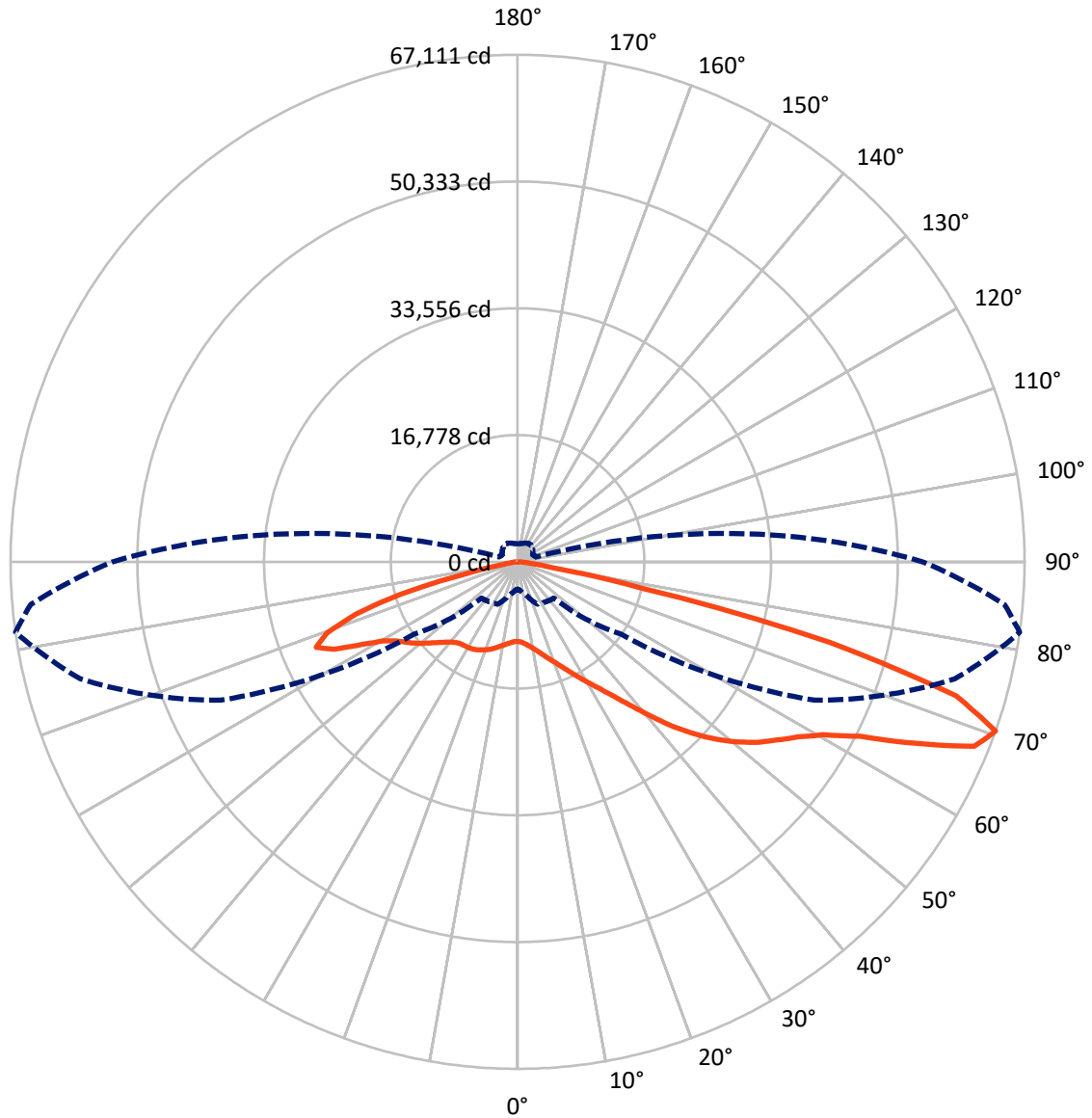
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P851646
CATALOG NUMBER: GLAN-SB9D-722-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P851646
 CATALOG NUMBER: GLAN-SB9D-722-U-T2

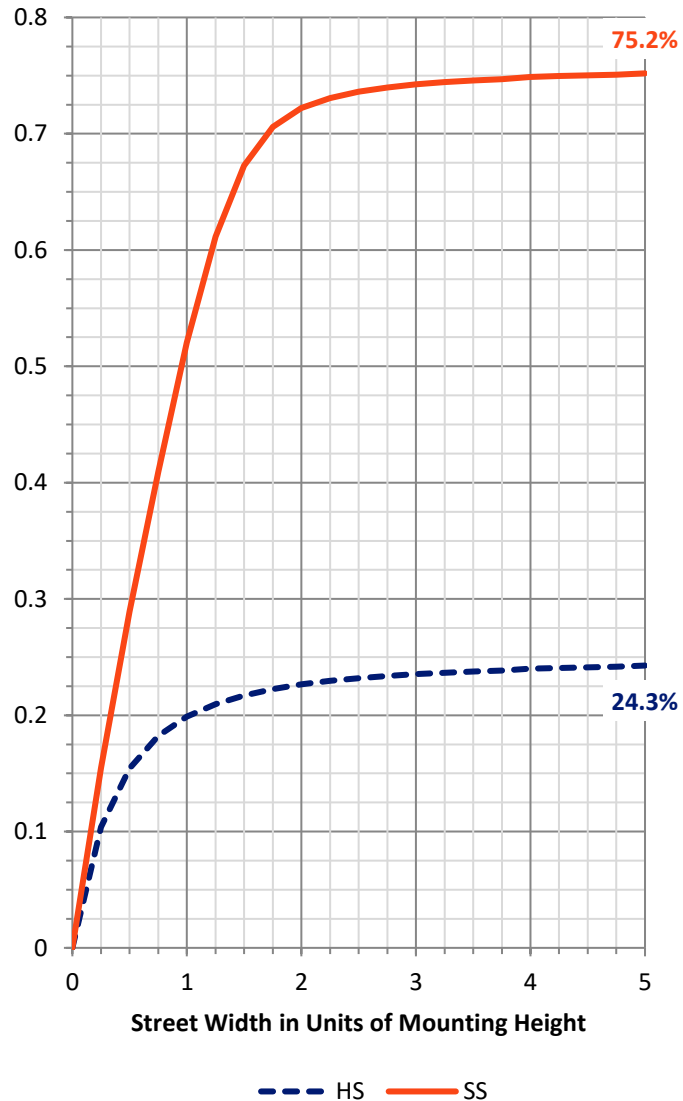
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 17704.4 | 0.0 | 17704.4 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 54111.6 | 0.0 | 54111.6 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 71816.0 | 0.0 | 71816.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 994.1 | 1.4 |
| 10°-20° | 2856.2 | 4.0 |
| 20°-30° | 4778.2 | 6.7 |
| 30°-40° | 7464.7 | 10.4 |
| 40°-50° | 11888.4 | 16.6 |
| 50°-60° | 16544.2 | 23.0 |
| 60°-70° | 17306.0 | 24.1 |
| 70°-80° | 9045.0 | 12.6 |
| 80°-90° | 939.2 | 1.3 |
| 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° | 71816.0 | 100.0 |
| 0°-180° | 71816.0 | 100.0 |

Coefficient of Utilization

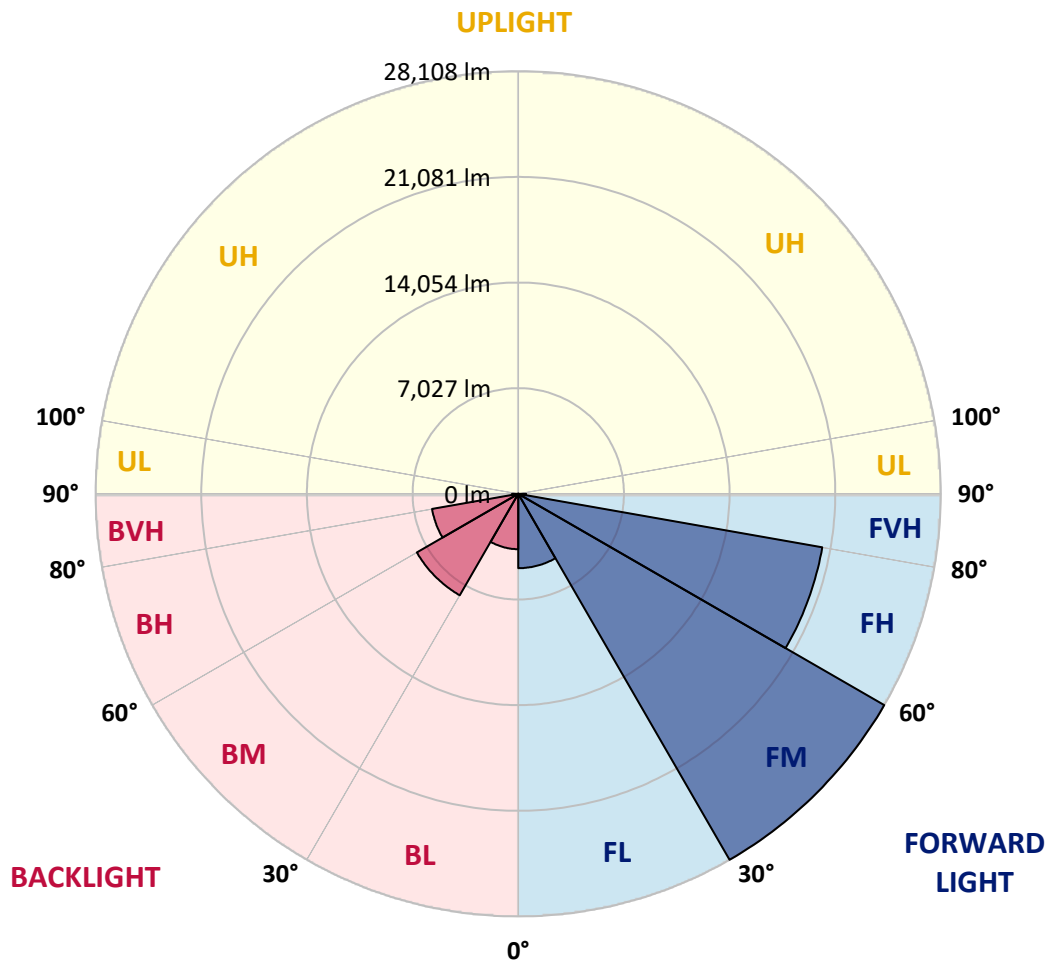


REPORT NUMBER: P851646
 CATALOG NUMBER: GLAN-SB9D-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 4945.3 | 6.9 | | | |
| FM (30°-60°) | 28108.1 | 39.1 | | | |
| FH (60°-80°) | 20532.4 | 28.6 | | | G5 |
| FVH (80°-90°) | 525.8 | 0.7 | | | G4/750 |
| BL (0°-30°) | 3683.2 | 5.1 | B4/5000 | | |
| BM (30°-60°) | 7789.2 | 10.8 | B4/8500 | | |
| BH (60°-80°) | 5818.6 | 8.1 | B5 | | G5 |
| BVH (80°-90°) | 413.4 | 0.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5
 Type II Medium



REPORT NUMBER: P851646
 CATALOG NUMBER: GLAN-SB9D-722-U-T2

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 |
| 2.5° | 10780.6 | 10841.6 | 10822.6 | 10803.5 | 10803.5 | 10776.8 | 10773.0 | 10734.9 | 10704.4 | 10654.9 |
| 5° | 10917.8 | 10982.6 | 10975.0 | 10990.2 | 11039.8 | 11051.2 | 11062.6 | 11039.8 | 10978.8 | 10917.8 |
| 7.5° | 10795.9 | 10868.3 | 10891.1 | 10982.6 | 11135.0 | 11272.2 | 11375.1 | 11417.0 | 11359.9 | 11272.2 |
| 10° | 10384.3 | 10464.3 | 10544.4 | 10761.6 | 11032.1 | 11356.1 | 11630.4 | 11794.3 | 11782.9 | 11699.0 |
| 12.5° | 9549.8 | 9633.6 | 9805.1 | 10228.1 | 10723.5 | 11295.1 | 11805.7 | 12148.7 | 12266.8 | 12205.9 |
| 15° | 8882.9 | 8955.3 | 9084.8 | 9519.3 | 10163.3 | 11032.1 | 11870.5 | 12537.4 | 12838.4 | 12804.1 |
| 17.5° | 8863.8 | 8894.3 | 8974.3 | 9180.1 | 9675.5 | 10620.6 | 11801.9 | 12918.5 | 13493.9 | 13490.1 |
| 20° | 9199.2 | 9210.6 | 9256.3 | 9298.2 | 9580.2 | 10308.1 | 11626.6 | 13234.8 | 14229.4 | 14229.4 |
| 22.5° | 9664.1 | 9656.5 | 9702.2 | 9664.1 | 9801.3 | 10281.4 | 11516.1 | 13512.9 | 15048.7 | 15109.7 |
| 25° | 10361.5 | 10323.3 | 10311.9 | 10224.3 | 10250.9 | 10529.1 | 11638.1 | 13829.2 | 16020.4 | 16146.2 |
| 27.5° | 11291.3 | 11230.3 | 11188.4 | 10986.4 | 10917.8 | 11039.8 | 12011.5 | 14210.3 | 17102.7 | 17319.9 |
| 30° | 12503.1 | 12392.6 | 12331.6 | 11981.0 | 11733.3 | 11752.4 | 12575.5 | 14717.1 | 18234.5 | 18585.1 |
| 32.5° | 14157.0 | 13985.5 | 13821.6 | 13246.2 | 12792.7 | 12644.1 | 13303.4 | 15418.3 | 19461.5 | 20021.7 |
| 35° | 16009.0 | 15871.8 | 15696.5 | 14808.6 | 14111.2 | 13768.3 | 14286.5 | 16397.7 | 20898.2 | 21786.1 |
| 37.5° | 17792.4 | 17674.3 | 17758.1 | 16561.6 | 15662.2 | 15163.0 | 15574.6 | 17712.4 | 22670.2 | 23981.1 |
| 40° | 19636.8 | 19545.4 | 19556.8 | 18413.6 | 17365.6 | 16805.4 | 17137.0 | 19362.5 | 24701.3 | 26591.5 |
| 42.5° | 21641.3 | 21572.7 | 21344.1 | 20330.4 | 19152.9 | 18630.8 | 18935.7 | 21267.8 | 26881.1 | 29563.9 |
| 45° | 23885.8 | 23843.9 | 23630.5 | 22468.2 | 21119.2 | 20532.4 | 20943.9 | 23371.4 | 29072.3 | 32361.0 |
| 47.5° | 25825.5 | 25859.8 | 25833.1 | 24853.8 | 23455.2 | 22594.0 | 23085.6 | 25566.4 | 31111.0 | 34990.4 |
| 50° | 26759.1 | 26938.2 | 27201.2 | 26896.3 | 26027.5 | 25151.0 | 25246.3 | 27685.2 | 33054.5 | 37455.9 |
| 52.5° | 26271.4 | 26610.5 | 27326.9 | 27814.7 | 28150.1 | 27967.2 | 27711.8 | 29788.7 | 34883.7 | 39681.4 |
| 55° | 24453.6 | 24930.0 | 26118.9 | 27296.5 | 29007.5 | 30337.4 | 30672.8 | 32120.9 | 36667.1 | 41640.1 |
| 57.5° | 21142.1 | 21915.7 | 22982.7 | 25364.4 | 28245.3 | 31484.5 | 34125.3 | 35356.2 | 38557.2 | 43732.3 |
| 60° | 15464.1 | 16500.6 | 17826.7 | 21370.7 | 25577.8 | 30870.9 | 37063.4 | 40325.4 | 41243.8 | 46441.7 |
| 62.5° | 9896.5 | 10536.7 | 11756.2 | 15094.4 | 19930.3 | 27727.1 | 37962.8 | 46537.0 | 45797.7 | 50885.0 |
| 65° | 6775.5 | 7187.1 | 8303.6 | 10178.5 | 12884.2 | 20639.1 | 35554.4 | 51193.7 | 53030.5 | 57927.3 |
| 67.5° | 4923.5 | 5236.0 | 6188.7 | 7831.1 | 8395.1 | 12213.5 | 27589.9 | 50980.3 | 60061.4 | 65183.0 |
| 70° | 3589.7 | 3810.8 | 4611.0 | 6188.7 | 6459.2 | 6794.6 | 16714.0 | 43335.9 | 59908.9 | 67111.3 |
| 72.5° | 2659.9 | 2812.3 | 3349.7 | 4801.6 | 5228.4 | 4588.2 | 8273.2 | 31495.9 | 51479.5 | 60701.6 |
| 75° | 1924.4 | 2038.8 | 2435.1 | 3673.6 | 4184.2 | 3494.5 | 4127.1 | 18406.0 | 35908.8 | 42699.5 |
| 77.5° | 1471.0 | 1558.6 | 1817.7 | 2690.4 | 3349.7 | 2621.8 | 2560.8 | 8467.5 | 17026.5 | 17110.3 |
| 80° | 1181.3 | 1238.5 | 1379.5 | 1893.9 | 2568.5 | 1962.5 | 1669.1 | 3418.2 | 5380.8 | 4553.9 |
| 82.5° | 868.9 | 964.1 | 1166.1 | 1330.0 | 1836.8 | 1352.8 | 1017.5 | 1726.3 | 2046.4 | 1760.6 |
| 85° | 495.4 | 560.2 | 705.0 | 952.7 | 1173.7 | 826.9 | 583.0 | 766.0 | 952.7 | 781.2 |
| 87.5° | 175.3 | 228.6 | 247.7 | 373.5 | 510.6 | 343.0 | 224.8 | 221.0 | 312.5 | 232.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P851646
 CATALOG NUMBER: GLAN-SB9D-722-U-T2

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10529.1 | 0° | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 | 10529.1 |
| 10643.4 | 2.5° | 10605.3 | 10586.3 | 10510.1 | 10407.2 | 10300.5 | 10197.6 | 10163.3 | 10090.9 | 10041.3 | 10014.7 |
| 10891.1 | 5° | 10818.7 | 10757.8 | 10578.7 | 10350.0 | 10109.9 | 9850.8 | 9667.9 | 9500.2 | 9378.3 | 9264.0 |
| 11230.3 | 7.5° | 11123.6 | 11016.9 | 10708.2 | 10308.1 | 9881.3 | 9450.7 | 9130.6 | 8886.7 | 8722.8 | 8616.1 |
| 11626.6 | 10° | 11478.0 | 11314.1 | 10841.6 | 10243.3 | 9584.1 | 8966.7 | 8589.4 | 8379.9 | 8277.0 | 8219.8 |
| 12080.1 | 12.5° | 11885.8 | 11653.3 | 10978.8 | 10094.7 | 9130.6 | 8425.6 | 8166.5 | 8105.5 | 8109.3 | 8113.1 |
| 12651.7 | 15° | 12388.8 | 12064.9 | 11089.3 | 9770.8 | 8539.9 | 8010.2 | 7964.5 | 8063.6 | 8166.5 | 8216.0 |
| 13299.5 | 17.5° | 12956.6 | 12499.3 | 11108.4 | 9237.3 | 7960.7 | 7743.5 | 7888.3 | 8101.7 | 8257.9 | 8326.5 |
| 14023.6 | 20° | 13566.3 | 12941.3 | 10971.2 | 8482.7 | 7484.3 | 7526.2 | 7785.4 | 8059.8 | 8231.2 | 8318.9 |
| 14850.5 | 22.5° | 14263.7 | 13413.9 | 10643.4 | 7690.1 | 7095.6 | 7290.0 | 7594.8 | 7861.6 | 8040.7 | 8128.3 |
| 15822.3 | 25° | 15060.1 | 13943.6 | 10129.0 | 7023.2 | 6760.3 | 7023.2 | 7328.1 | 7549.1 | 7693.9 | 7773.9 |
| 16908.3 | 27.5° | 15944.2 | 14496.1 | 9443.1 | 6493.5 | 6466.9 | 6748.9 | 7000.4 | 7171.8 | 7248.1 | 7309.0 |
| 18063.0 | 30° | 16832.1 | 14999.1 | 8612.3 | 6093.4 | 6211.5 | 6478.3 | 6657.4 | 6733.6 | 6756.5 | 6767.9 |
| 19351.0 | 32.5° | 17792.4 | 15433.6 | 7739.6 | 5761.9 | 5967.6 | 6215.3 | 6322.0 | 6356.3 | 6249.6 | 6177.2 |
| 20913.4 | 35° | 18954.7 | 15898.5 | 6886.0 | 5498.9 | 5727.6 | 5941.0 | 5975.3 | 5944.8 | 5819.0 | 5670.4 |
| 22872.2 | 37.5° | 20391.4 | 16477.7 | 6203.9 | 5312.2 | 5502.7 | 5643.7 | 5601.8 | 5594.2 | 5605.6 | 5430.3 |
| 25227.2 | 40° | 22151.9 | 17232.2 | 5704.7 | 5167.4 | 5319.8 | 5350.3 | 5232.2 | 5297.0 | 5354.1 | 5087.4 |
| 27810.9 | 42.5° | 24106.9 | 18143.0 | 5388.4 | 5068.3 | 5167.4 | 5095.0 | 4912.1 | 4984.5 | 4976.8 | 4626.3 |
| 30406.0 | 45° | 26099.9 | 19133.8 | 5277.9 | 4995.9 | 5026.4 | 4881.6 | 4679.6 | 4698.7 | 4538.6 | 4222.3 |
| 32894.5 | 47.5° | 28081.5 | 20197.0 | 5346.5 | 4934.9 | 4851.1 | 4687.2 | 4531.0 | 4447.2 | 4210.9 | 3974.6 |
| 35280.0 | 50° | 30025.0 | 21313.6 | 5598.0 | 4813.0 | 4611.0 | 4515.7 | 4401.4 | 4252.8 | 4001.3 | 3799.3 |
| 37536.0 | 52.5° | 31827.4 | 22437.7 | 5880.0 | 4611.0 | 4310.0 | 4367.1 | 4294.7 | 4123.2 | 3875.5 | 3669.8 |
| 39670.0 | 55° | 33534.7 | 23561.9 | 5990.5 | 4332.8 | 4028.0 | 4237.6 | 4195.6 | 3879.4 | 3582.1 | 3414.4 |
| 41903.1 | 57.5° | 35394.3 | 24914.7 | 5868.6 | 3978.4 | 3799.3 | 4088.9 | 3928.9 | 3578.3 | 3406.8 | 3281.1 |
| 44810.7 | 60° | 37970.4 | 27037.3 | 5605.6 | 3540.2 | 3582.1 | 3867.9 | 3593.5 | 3448.7 | 3262.0 | 3121.0 |
| 49170.2 | 62.5° | 42249.9 | 30996.7 | 5182.6 | 3105.8 | 3326.8 | 3540.2 | 3433.5 | 3288.7 | 3098.1 | 2961.0 |
| 56624.0 | 65° | 48575.7 | 36499.4 | 4386.2 | 2766.6 | 3041.0 | 3220.1 | 3262.0 | 3117.2 | 2919.0 | 2774.2 |
| 63155.7 | 67.5° | 53910.8 | 39952.0 | 3319.2 | 2484.6 | 2747.6 | 2961.0 | 3079.1 | 2938.1 | 2728.5 | 2587.5 |
| 64683.8 | 70° | 53617.4 | 37444.5 | 2534.2 | 2206.4 | 2488.4 | 2705.6 | 2858.1 | 2747.6 | 2522.7 | 2389.3 |
| 58754.3 | 72.5° | 47623.0 | 31324.4 | 2050.2 | 1924.4 | 2225.5 | 2438.9 | 2621.8 | 2538.0 | 2309.3 | 2179.8 |
| 43042.5 | 75° | 34986.6 | 22235.8 | 1638.6 | 1638.6 | 1897.8 | 2160.7 | 2362.7 | 2309.3 | 2099.7 | 2008.3 |
| 18070.6 | 77.5° | 14747.6 | 9328.7 | 1284.2 | 1360.4 | 1577.7 | 1855.8 | 2107.3 | 2126.4 | 1943.5 | 2057.8 |
| 4778.7 | 80° | 3921.3 | 2572.3 | 979.4 | 1070.8 | 1238.5 | 1531.9 | 1833.0 | 1825.4 | 1627.2 | 1520.5 |
| 1775.8 | 82.5° | 1493.8 | 1013.7 | 697.4 | 754.5 | 895.5 | 1173.7 | 1451.9 | 1497.6 | 1299.5 | 1124.2 |
| 697.4 | 85° | 575.4 | 434.4 | 430.6 | 453.5 | 522.1 | 777.4 | 1097.5 | 1135.6 | 979.4 | 830.7 |
| 194.3 | 87.5° | 148.6 | 129.6 | 160.1 | 152.4 | 240.1 | 415.4 | 628.8 | 651.6 | 598.3 | 346.8 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END O

| 180° |
|---------|
| 10529.1 |
| 10045.2 |
| 9309.7 |
| 8639.0 |
| 8235.0 |
| 8120.7 |
| 8212.2 |
| 8341.7 |
| 8341.7 |
| 8151.2 |
| 7796.8 |
| 7331.9 |
| 6794.6 |
| 6200.1 |
| 5678.0 |
| 5441.8 |
| 5095.0 |
| 4622.4 |
| 4233.8 |
| 3974.6 |
| 3784.1 |
| 3673.6 |
| 3399.2 |
| 3269.6 |
| 3113.4 |
| 2961.0 |
| 2781.9 |
| 2591.3 |
| 2400.8 |
| 2179.8 |
| 1981.6 |
| 1867.3 |
| 1413.8 |
| 1124.2 |
| 857.4 |
| 495.4 |
| 0.0 |

F REPORT)