

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: P533206

Luminaire Tested: **GLAN-SA8C-760-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-760-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47618 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

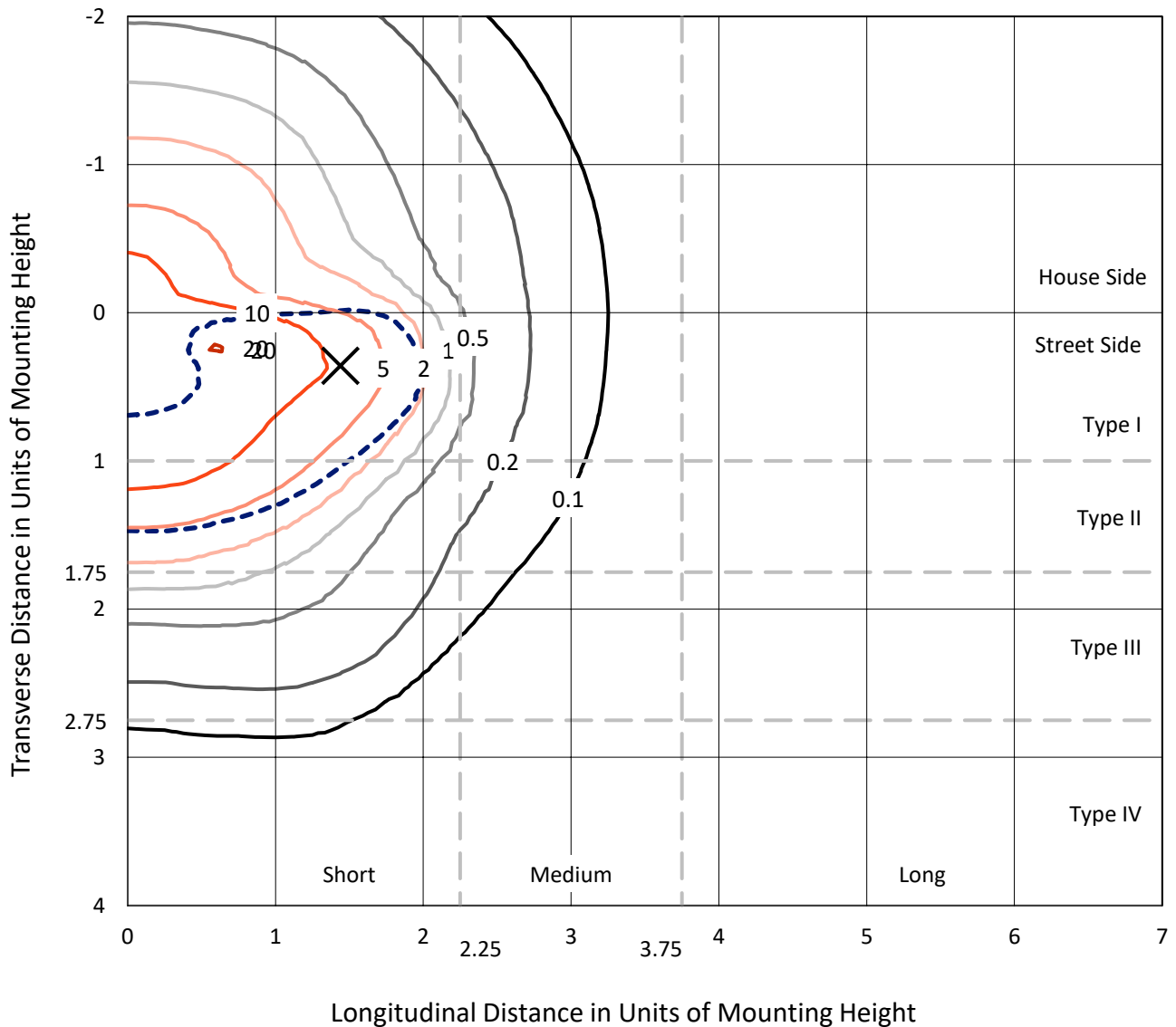
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533206
 CATALOG NUMBER: GLAN-SA8C-760-U-T2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

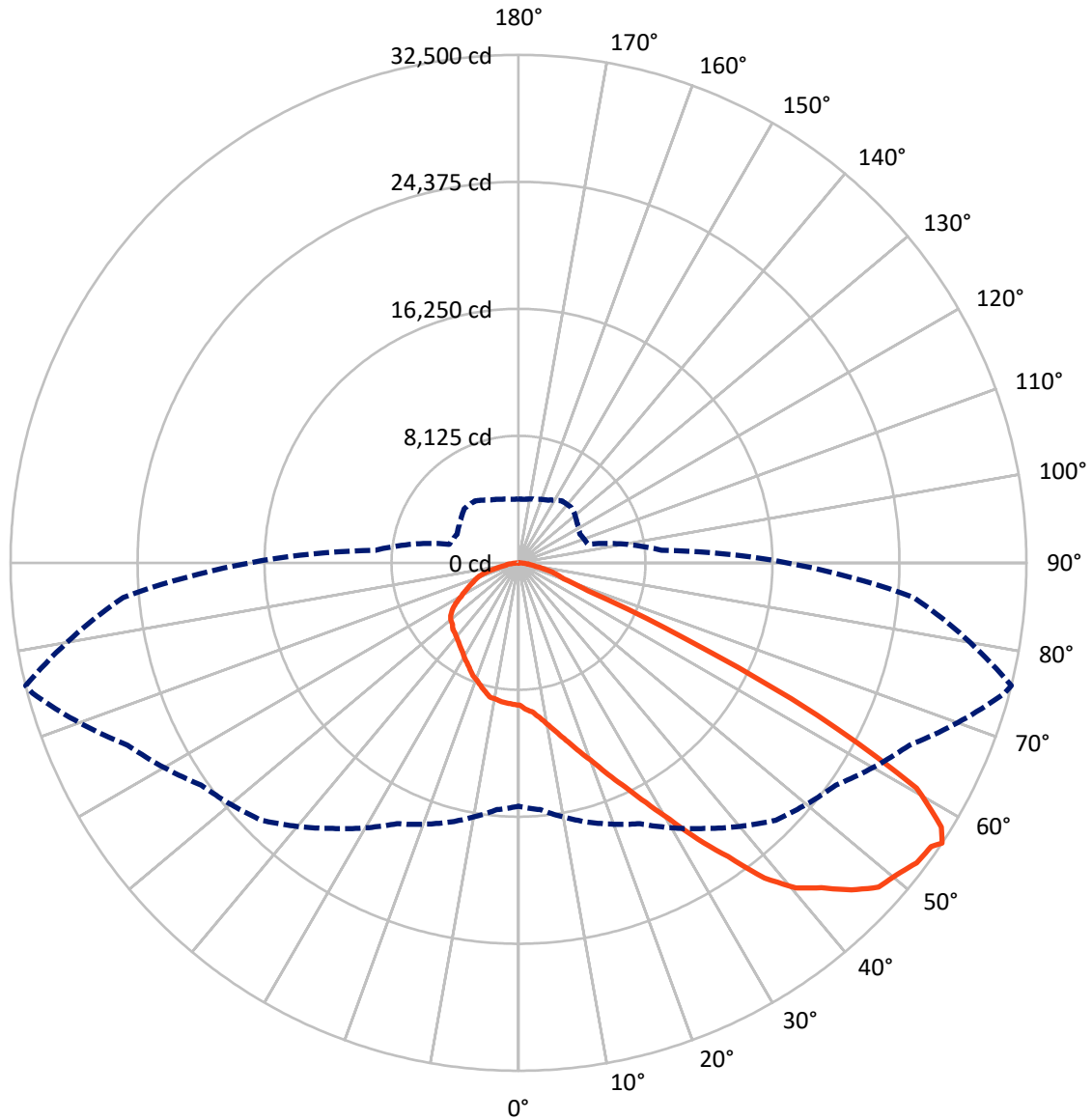
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
 Type II - Short - N/A

REPORT NUMBER: P533206
CATALOG NUMBER: GLAN-SA8C-760-U-T2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P533206
 CATALOG NUMBER: GLAN-SA8C-760-U-T2-GRSWH

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 12803.0 | 0.0 | 12803.0 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| Street Side | Lumens | 34814.9 | 0.0 | 34814.9 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| Total | Lumens | 47618.0 | 0.0 | 47618.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 903.5 | 1.9 |
| 10°-20° | 2838.3 | 6.0 |
| 20°-30° | 4963.9 | 10.4 |
| 30°-40° | 7772.0 | 16.3 |
| 40°-50° | 11306.0 | 23.7 |
| 50°-60° | 12426.0 | 26.1 |
| 60°-70° | 5546.4 | 11.6 |
| 70°-80° | 1602.0 | 3.4 |
| 80°-90° | 259.9 | 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° | 47618.0 | 100.0 |
| 0°-180° | 47618.0 | 100.0 |

Coefficient of Utilization

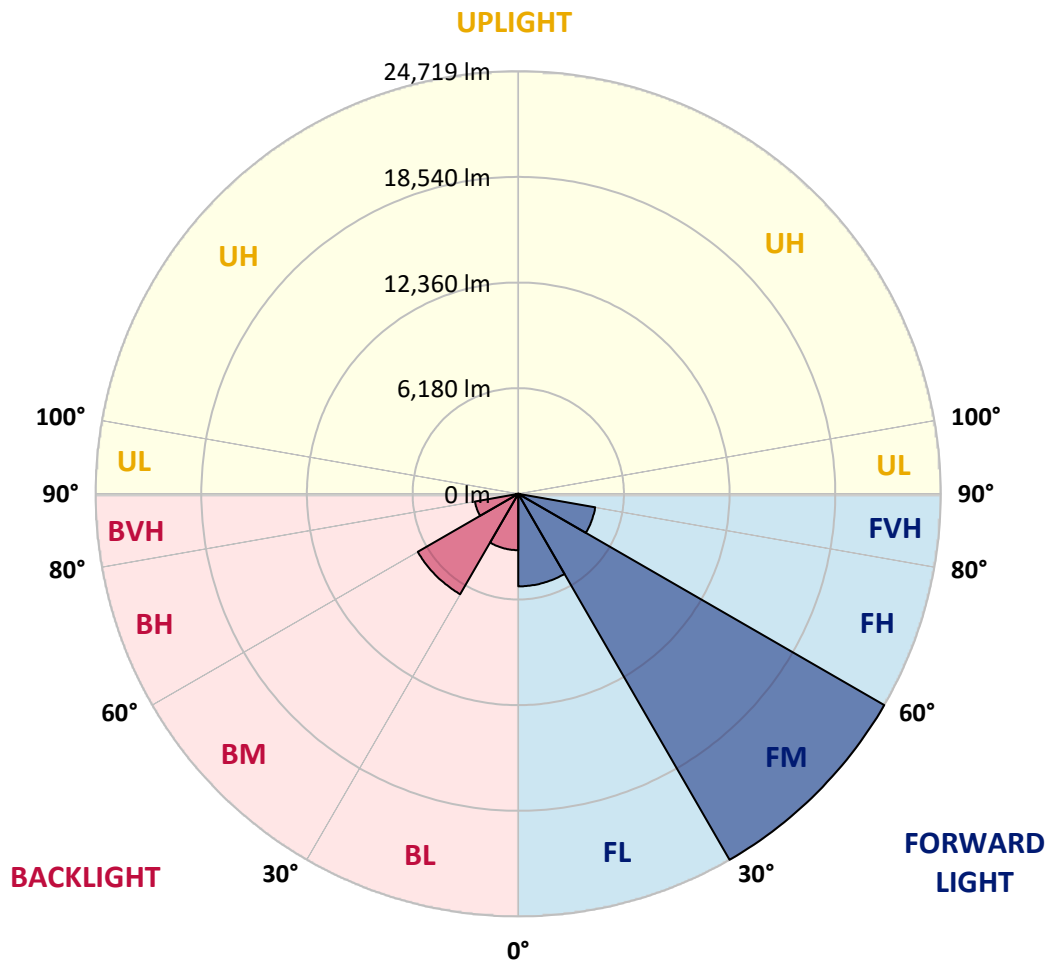


REPORT NUMBER: P533206
 CATALOG NUMBER: GLAN-SA8C-760-U-T2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 5411.3 | 11.4 | | | |
| FM (30°-60°) | 24719.4 | 51.9 | | | |
| FH (60°-80°) | 4572.5 | 9.6 | | | G2/5000 |
| FVH (80°-90°) | 111.9 | 0.2 | | | G2/225 |
| BL (0°-30°) | 3294.5 | 6.9 | B4/5000 | | |
| BM (30°-60°) | 6784.6 | 14.2 | B4/8500 | | |
| BH (60°-80°) | 2576.0 | 5.4 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 148.0 | 0.3 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4
 Type II Short





REPORT NUMBER: P533206

CATALOG NUMBER: GLAN-SA8C-760-U-T2-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 |
| 2.5° | 10037.0 | 9876.5 | 9864.2 | 9821.0 | 9845.7 | 9734.5 | 9617.3 | 9462.9 | 9302.5 | 9401.2 | 9166.6 |
| 5° | 10740.7 | 10524.7 | 10611.1 | 10462.9 | 10481.5 | 10333.3 | 10092.6 | 9913.6 | 9716.0 | 9598.7 | 9432.1 |
| 7.5° | 10987.6 | 11006.2 | 11067.9 | 11043.2 | 10919.7 | 10919.7 | 10759.2 | 10444.4 | 10098.7 | 10030.8 | 9753.1 |
| 10° | 11321.0 | 11327.1 | 11259.2 | 11277.8 | 11450.6 | 11370.3 | 11228.4 | 11092.6 | 10648.1 | 10567.9 | 10074.1 |
| 12.5° | 11438.2 | 11327.1 | 11438.2 | 11537.0 | 11740.7 | 11851.8 | 11821.0 | 11722.2 | 11246.9 | 11191.3 | 10469.1 |
| 15° | 11456.8 | 11388.9 | 11481.5 | 11703.7 | 11882.7 | 12351.8 | 12586.4 | 12518.5 | 11888.9 | 11895.0 | 10913.6 |
| 17.5° | 11370.3 | 11462.9 | 11500.0 | 11691.3 | 12104.9 | 12543.2 | 13222.2 | 13314.8 | 12796.3 | 12716.0 | 11475.3 |
| 20° | 11487.6 | 11419.7 | 11469.1 | 11642.0 | 12191.3 | 12876.5 | 13765.4 | 14376.5 | 13648.1 | 13592.6 | 12055.5 |
| 22.5° | 11938.2 | 11845.7 | 11833.3 | 11944.4 | 12339.5 | 13049.4 | 14339.5 | 15438.2 | 14685.2 | 14716.0 | 12777.8 |
| 25° | 12290.1 | 12339.5 | 12296.3 | 12290.1 | 12537.0 | 13308.6 | 15098.7 | 16703.7 | 16092.6 | 15913.5 | 13629.6 |
| 27.5° | 12895.0 | 13012.3 | 12925.9 | 13043.2 | 12987.6 | 13697.5 | 15641.9 | 18104.9 | 17611.1 | 17370.3 | 14401.2 |
| 30° | 13734.5 | 13796.3 | 13716.0 | 13716.0 | 13549.4 | 14240.7 | 16135.8 | 19567.9 | 19364.2 | 19037.0 | 15308.6 |
| 32.5° | 14839.5 | 14932.1 | 14771.6 | 14679.0 | 14654.3 | 15049.4 | 17024.7 | 21012.3 | 21358.0 | 21080.2 | 16512.3 |
| 35° | 16302.4 | 16246.9 | 16055.5 | 15969.1 | 15635.8 | 16290.1 | 18345.6 | 22672.8 | 23580.2 | 23086.4 | 17969.1 |
| 37.5° | 17592.6 | 17506.1 | 17493.8 | 17012.3 | 17092.6 | 17629.6 | 19469.1 | 23932.1 | 25734.5 | 25592.5 | 19506.1 |
| 40° | 18796.3 | 18876.5 | 19006.1 | 18734.5 | 18611.1 | 19203.7 | 20777.7 | 24895.0 | 27407.4 | 27351.8 | 20691.3 |
| 42.5° | 20086.4 | 20012.3 | 20240.7 | 20012.3 | 19827.1 | 20666.6 | 22197.5 | 25561.7 | 28876.5 | 28419.7 | 21932.1 |
| 45° | 21956.7 | 21722.2 | 21802.4 | 21820.9 | 21685.1 | 21993.8 | 22783.9 | 26043.2 | 29907.3 | 29858.0 | 22839.5 |
| 47.5° | 23518.5 | 23524.6 | 23388.8 | 23283.9 | 22870.3 | 23179.0 | 23438.2 | 26345.6 | 31092.5 | 31012.3 | 23191.3 |
| 50° | 24098.7 | 24018.5 | 24413.5 | 24641.9 | 24666.6 | 24037.0 | 23950.6 | 26512.3 | 31716.0 | 31364.1 | 23543.2 |
| 52.5° | 22012.3 | 22086.4 | 22709.8 | 24067.9 | 24851.8 | 24919.7 | 24549.3 | 26858.0 | 31969.1 | 31895.0 | 23827.1 |
| 55° | 17716.0 | 18074.0 | 19098.7 | 20666.6 | 22524.6 | 24567.9 | 25197.5 | 27216.0 | 32104.9 | 32043.1 | 25086.4 |
| 56° | 15574.0 | 15851.8 | 17185.2 | 18413.5 | 20746.9 | 23290.1 | 24790.1 | 27598.7 | 32209.8 | 32499.9 | 25382.7 |
| 57.5° | 12537.0 | 12858.0 | 13814.8 | 15209.8 | 17962.9 | 20858.0 | 23666.6 | 27129.6 | 31802.4 | 31913.5 | 25598.7 |
| 60° | 7839.5 | 7870.4 | 9018.5 | 9938.3 | 11876.5 | 14703.7 | 18061.7 | 23604.9 | 29432.0 | 29271.5 | 22993.8 |
| 62.5° | 5142.0 | 5148.1 | 6191.3 | 6944.4 | 7827.1 | 8475.3 | 10629.6 | 15654.3 | 21716.0 | 21432.1 | 16370.3 |
| 65° | 3611.1 | 3691.4 | 4500.0 | 5506.2 | 5864.2 | 5524.7 | 5456.8 | 8253.1 | 12129.6 | 11722.2 | 8796.3 |
| 67.5° | 2642.0 | 2648.1 | 3364.2 | 4444.4 | 4963.0 | 4203.7 | 3413.6 | 4030.9 | 4802.5 | 4790.1 | 4074.1 |
| 70° | 1746.9 | 1821.0 | 2370.4 | 3321.0 | 3913.6 | 3376.5 | 2790.1 | 2882.7 | 3055.5 | 3055.5 | 3030.9 |
| 72.5° | 1018.5 | 1086.4 | 1450.6 | 2104.9 | 2197.5 | 2111.1 | 2209.9 | 2469.1 | 2580.2 | 2574.1 | 2543.2 |
| 75° | 580.2 | 611.1 | 691.4 | 876.5 | 1092.6 | 1290.1 | 1623.5 | 1870.4 | 1981.5 | 2049.4 | 1969.1 |
| 77.5° | 339.5 | 358.0 | 407.4 | 500.0 | 567.9 | 697.5 | 882.7 | 1055.6 | 1203.7 | 1185.2 | 1197.5 |
| 80° | 179.0 | 179.0 | 228.4 | 296.3 | 395.1 | 493.8 | 586.4 | 685.2 | 765.4 | 783.9 | 802.5 |
| 82.5° | 104.9 | 111.1 | 148.1 | 216.0 | 284.0 | 351.9 | 450.6 | 518.5 | 592.6 | 598.8 | 611.1 |
| 85° | 55.6 | 61.7 | 92.6 | 142.0 | 191.4 | 216.0 | 222.2 | 209.9 | 228.4 | 216.0 | 246.9 |
| 87.5° | 18.5 | 18.5 | 30.9 | 24.7 | 24.7 | 30.9 | 37.0 | 37.0 | 49.4 | 49.4 | 49.4 |
| 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: P533206

CATALOG NUMBER: GLAN-SA8C-760-U-T2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 | 9111.1 |
| 2.5° | 9160.5 | 9160.5 | 9055.5 | 8858.0 | 8827.1 | 8746.9 | 8672.8 | 8666.6 | 8611.1 | 8561.7 | 8537.0 |
| 5° | 9333.3 | 9142.0 | 8987.6 | 8808.6 | 8598.7 | 8500.0 | 8388.9 | 8265.4 | 8216.0 | 8265.4 | 8259.2 |
| 7.5° | 9530.8 | 9370.4 | 8907.4 | 8574.1 | 8333.3 | 8234.6 | 8111.1 | 7981.5 | 7993.8 | 7993.8 | 7907.4 |
| 10° | 9722.2 | 9506.2 | 8765.4 | 8339.5 | 7987.6 | 7913.6 | 7845.7 | 7895.0 | 7956.8 | 7969.1 | 7913.6 |
| 12.5° | 10043.2 | 9555.5 | 8697.5 | 8104.9 | 7882.7 | 7722.2 | 7765.4 | 7901.2 | 8030.8 | 7993.8 | 8037.0 |
| 15° | 10283.9 | 9598.7 | 8388.9 | 7864.2 | 7586.4 | 7660.5 | 7814.8 | 7907.4 | 8123.4 | 8098.7 | 8142.0 |
| 17.5° | 10518.5 | 9623.4 | 8086.4 | 7543.2 | 7425.9 | 7629.6 | 7746.9 | 8012.3 | 8080.2 | 8228.4 | 8283.9 |
| 20° | 11000.0 | 9672.8 | 7777.8 | 7345.7 | 7308.6 | 7543.2 | 7746.9 | 7870.4 | 8018.5 | 8148.1 | 8148.1 |
| 22.5° | 11246.9 | 9648.1 | 7574.1 | 7086.4 | 7203.7 | 7351.8 | 7537.0 | 7746.9 | 7746.9 | 7870.4 | 7876.5 |
| 25° | 11555.5 | 9549.4 | 7253.1 | 6962.9 | 7049.4 | 7191.3 | 7401.2 | 7327.1 | 7407.4 | 7407.4 | 7506.2 |
| 27.5° | 11907.4 | 9339.5 | 6975.3 | 6740.7 | 6913.6 | 7067.9 | 7098.8 | 7049.4 | 6956.8 | 6944.4 | 6907.4 |
| 30° | 12191.3 | 9080.2 | 6771.6 | 6666.7 | 6808.6 | 6895.0 | 6796.3 | 6691.3 | 6530.9 | 6518.5 | 6432.1 |
| 32.5° | 12580.2 | 8759.2 | 6518.5 | 6481.5 | 6642.0 | 6648.1 | 6617.3 | 6456.8 | 6222.2 | 6123.4 | 6024.7 |
| 35° | 13234.5 | 8574.1 | 6327.1 | 6382.7 | 6432.1 | 6413.6 | 6358.0 | 6185.2 | 5950.6 | 5907.4 | 5870.4 |
| 37.5° | 13716.0 | 8438.3 | 6129.6 | 6197.5 | 6240.7 | 6265.4 | 6098.8 | 5907.4 | 5913.6 | 5827.1 | 5802.5 |
| 40° | 14259.2 | 8351.8 | 5969.1 | 6000.0 | 6006.2 | 6086.4 | 5882.7 | 5790.1 | 5833.3 | 5777.8 | 5814.8 |
| 42.5° | 14956.8 | 8376.5 | 5802.5 | 5777.8 | 5895.0 | 5864.2 | 5765.4 | 5642.0 | 5666.7 | 5500.0 | 5524.7 |
| 45° | 15327.1 | 8543.2 | 5703.7 | 5592.6 | 5722.2 | 5716.0 | 5586.4 | 5469.1 | 5321.0 | 5000.0 | 5012.3 |
| 47.5° | 15574.0 | 8586.4 | 5469.1 | 5395.1 | 5530.9 | 5611.1 | 5463.0 | 5191.3 | 4981.5 | 4753.1 | 4697.5 |
| 50° | 15827.1 | 8666.6 | 5358.0 | 5203.7 | 5259.2 | 5450.6 | 5265.4 | 5006.2 | 4802.5 | 4598.8 | 4629.6 |
| 52.5° | 16049.4 | 8821.0 | 5142.0 | 4913.6 | 5012.3 | 5222.2 | 5123.4 | 4808.6 | 4586.4 | 4419.7 | 4370.4 |
| 55° | 17037.0 | 9166.6 | 4777.8 | 4481.5 | 4716.0 | 4981.5 | 4925.9 | 4543.2 | 4302.5 | 4216.0 | 4203.7 |
| 56° | 17191.3 | 9179.0 | 4586.4 | 4333.3 | 4549.4 | 4901.2 | 4833.3 | 4425.9 | 4209.9 | 4074.1 | 4080.2 |
| 57.5° | 17216.0 | 9030.8 | 4314.8 | 4197.5 | 4382.7 | 4783.9 | 4697.5 | 4333.3 | 4037.0 | 3913.6 | 3876.5 |
| 60° | 15148.1 | 7049.4 | 3975.3 | 3901.2 | 4117.3 | 4425.9 | 4395.1 | 4080.2 | 3746.9 | 3604.9 | 3672.8 |
| 62.5° | 10327.1 | 5166.7 | 3709.9 | 3697.5 | 3808.6 | 4111.1 | 4030.9 | 3746.9 | 3469.1 | 3376.5 | 3333.3 |
| 65° | 6012.3 | 3919.7 | 3450.6 | 3401.2 | 3493.8 | 3654.3 | 3709.9 | 3413.6 | 3123.5 | 3061.7 | 3043.2 |
| 67.5° | 3549.4 | 3240.7 | 3117.3 | 3037.0 | 3006.2 | 3104.9 | 3148.1 | 2975.3 | 2685.2 | 2598.8 | 2672.8 |
| 70° | 2969.1 | 2882.7 | 2888.9 | 2753.1 | 2679.0 | 2611.1 | 2574.1 | 2419.7 | 2179.0 | 2067.9 | 2037.0 |
| 72.5° | 2561.7 | 2524.7 | 2500.0 | 2376.5 | 2308.6 | 2154.3 | 1993.8 | 1839.5 | 1660.5 | 1567.9 | 1574.1 |
| 75° | 1956.8 | 1944.4 | 1956.8 | 1895.1 | 1777.8 | 1654.3 | 1506.2 | 1308.6 | 1172.8 | 1055.6 | 1080.2 |
| 77.5° | 1166.7 | 1203.7 | 1222.2 | 1197.5 | 1148.1 | 1037.0 | 944.4 | 814.8 | 685.2 | 592.6 | 580.2 |
| 80° | 802.5 | 833.3 | 864.2 | 833.3 | 783.9 | 703.7 | 604.9 | 506.2 | 413.6 | 364.2 | 351.9 |
| 82.5° | 611.1 | 642.0 | 660.5 | 629.6 | 567.9 | 481.5 | 413.6 | 345.7 | 271.6 | 222.2 | 209.9 |
| 85° | 222.2 | 253.1 | 246.9 | 296.3 | 321.0 | 308.6 | 265.4 | 203.7 | 154.3 | 111.1 | 104.9 |
| 87.5° | 61.7 | 55.6 | 61.7 | 61.7 | 61.7 | 55.6 | 49.4 | 49.4 | 49.4 | 30.9 | 24.7 |
| 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)