

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: P323446

Luminaire Tested: **GAN-SA2C-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10341 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

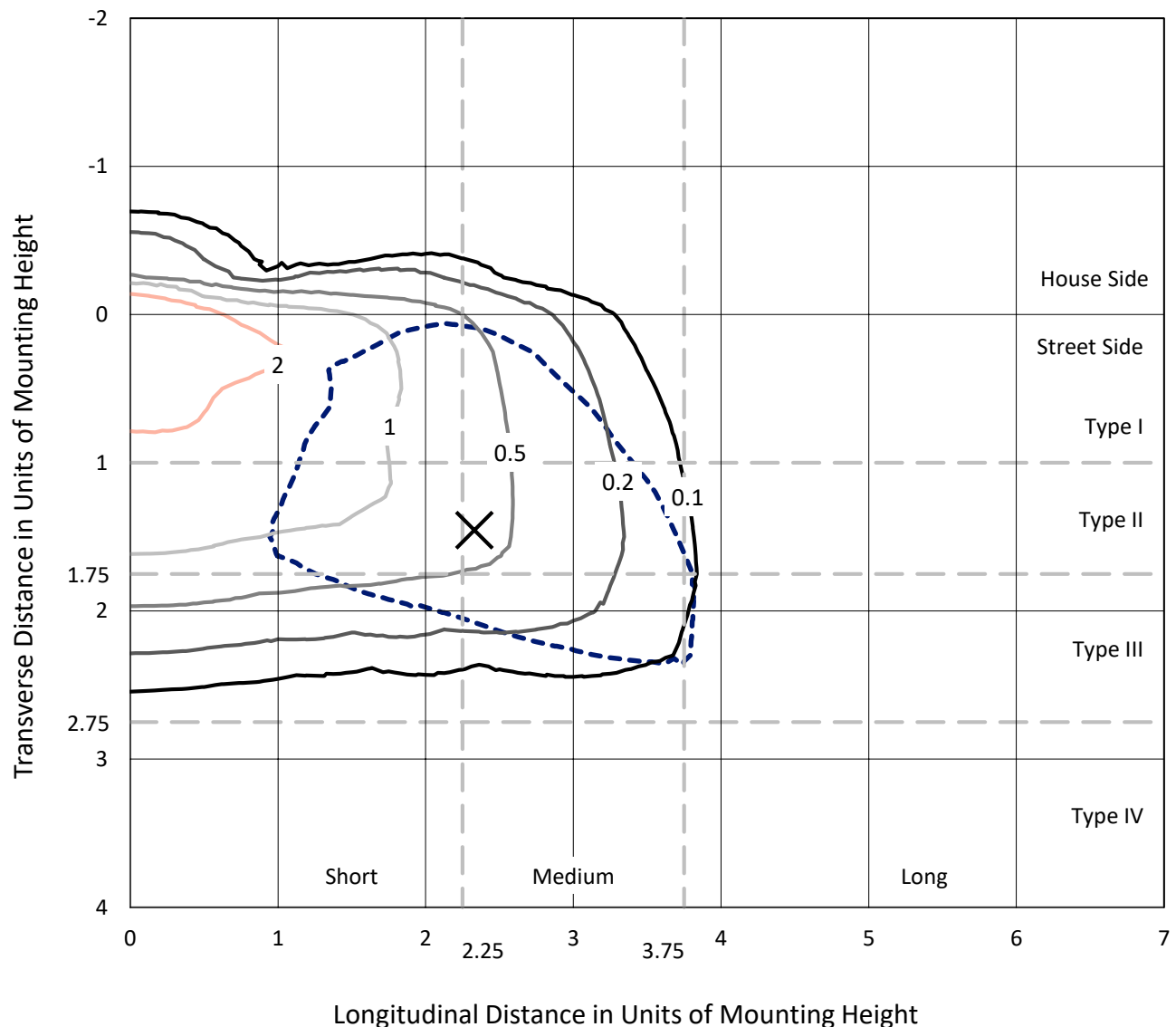
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323446
 CATALOG NUMBER: GAN-SA2C-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

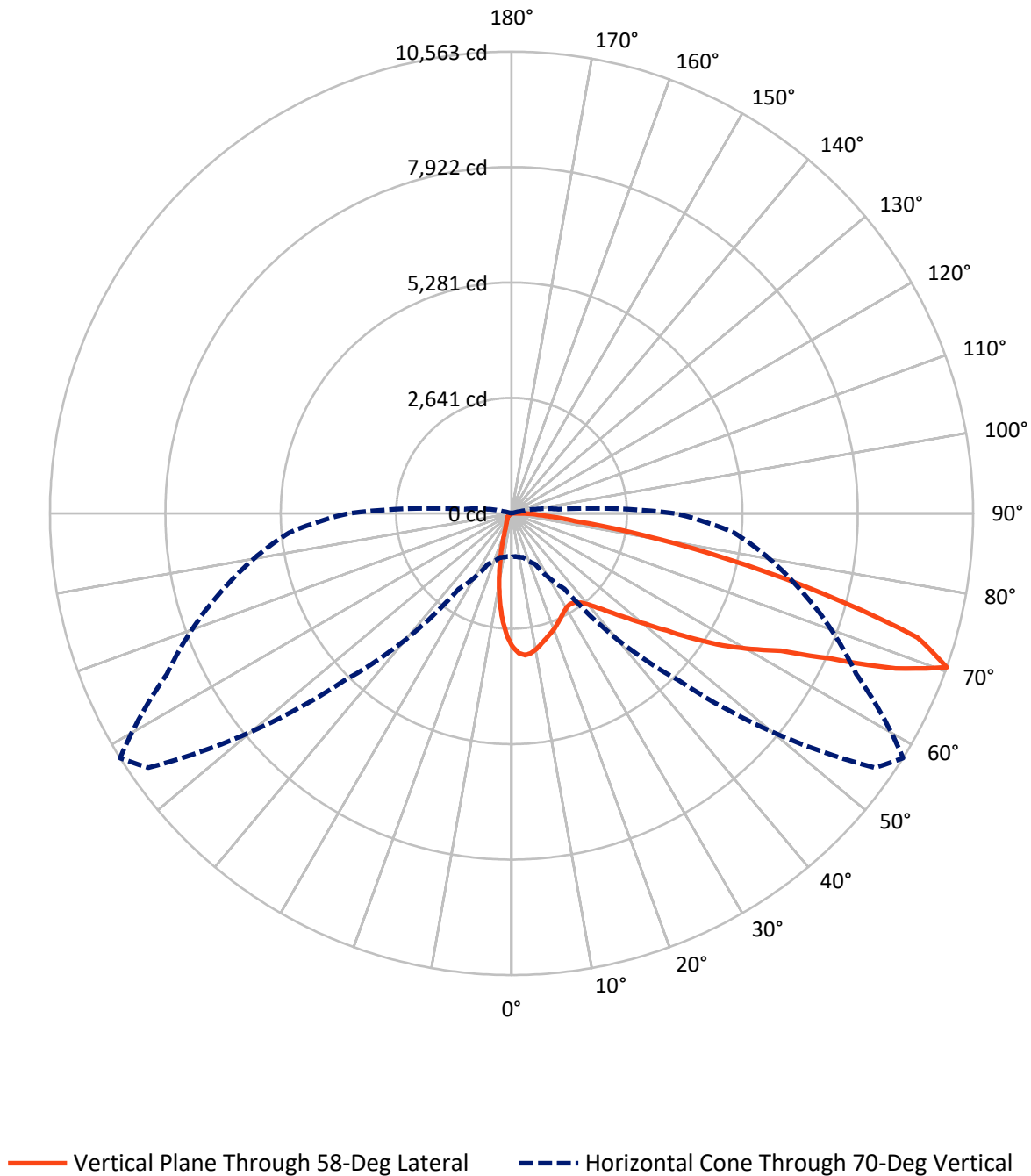
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

REPORT NUMBER: P323446
CATALOG NUMBER: GAN-SA2C-727-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P323446

CATALOG NUMBER: GAN-SA2C-727-U-SL3-HSS

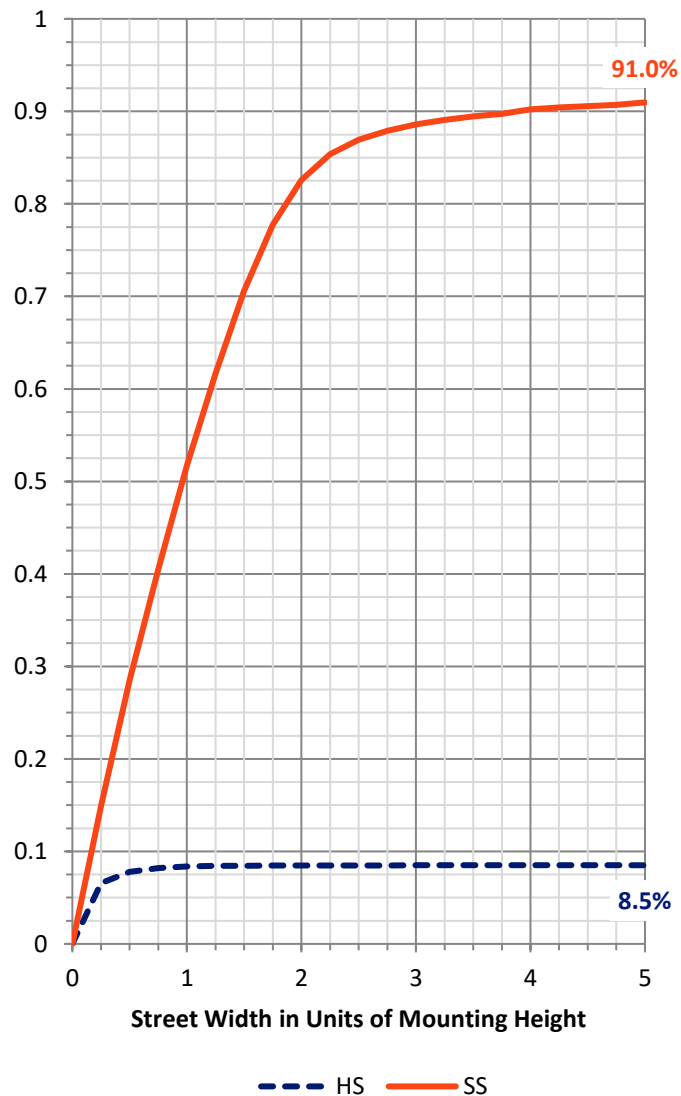
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	885.0	0.0	885.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	9456.0	0.0	9456.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	10341.0	0.0	10341.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.8	2.4
10°-20°	524.3	5.1
20°-30°	689.2	6.7
30°-40°	912.8	8.8
40°-50°	1364.3	13.2
50°-60°	2185.6	21.1
60°-70°	2755.0	26.6
70°-80°	1486.0	14.4
80°-90°	173.9	1.7
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°	10341.0	100.0
0°-180°	10341.0	100.0

Coefficient of Utilization



REPORT NUMBER: P323446

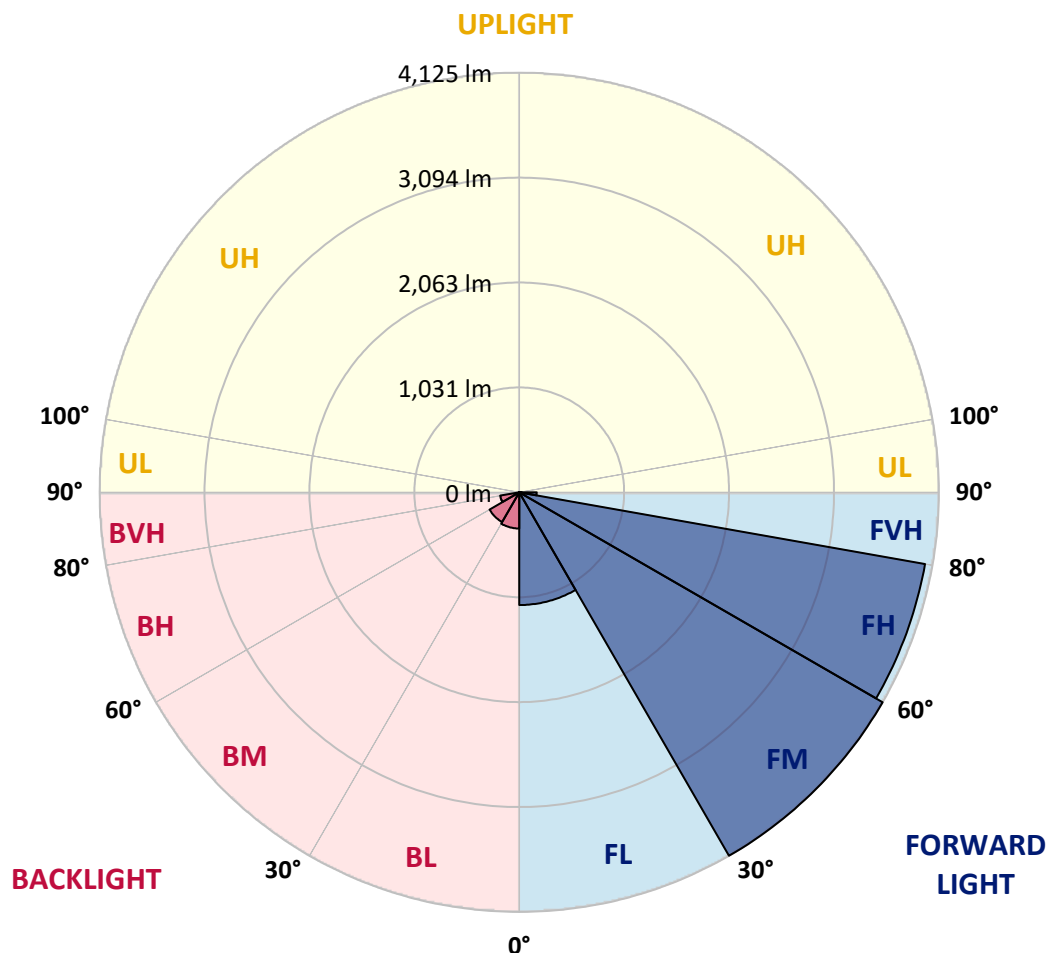
CATALOG NUMBER: GAN-SA2C-727-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1107.7	10.7			
FM	(30°-60°)	4125.2	39.9			
FH	(60°-80°)	4050.7	39.2			G2/5000
FVH	(80°-90°)	172.4	1.7			G2/225
BL	(0°-30°)	355.5	3.4	B1/500		
BM	(30°-60°)	337.6	3.3	B1/1000		
BH	(60°-80°)	190.3	1.8	B1/500		G1/500
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P323446

CATALOG NUMBER: GAN-SA2C-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7
2.5°	3307.9	3299.8	3296.8	3291.6	3271.8	3252.5	3214.2	3203.5	3179.4	3122.2	3061.6
5°	3310.5	3310.1	3319.1	3317.0	3310.1	3301.1	3273.5	3259.4	3218.5	3136.8	3025.9
7.5°	3151.0	3159.2	3179.4	3195.7	3214.6	3239.2	3242.6	3228.8	3195.3	3107.1	2960.1
10°	2936.9	2949.8	2978.1	3010.4	3059.8	3108.9	3152.7	3151.0	3139.4	3052.5	2881.0
12.5°	2722.3	2737.3	2770.0	2817.8	2887.8	2967.8	3046.1	3056.8	3076.2	3003.5	2807.9
15°	2534.4	2547.3	2579.5	2638.0	2724.9	2832.4	2947.2	2967.0	3016.8	2965.2	2746.8
17.5°	2374.9	2383.0	2406.7	2471.6	2572.2	2702.5	2851.7	2890.4	2964.8	2935.1	2693.9
20°	2263.5	2264.8	2280.3	2325.8	2426.5	2572.2	2752.8	2808.3	2909.8	2909.3	2639.3
22.5°	2208.5	2204.2	2207.2	2233.4	2307.4	2448.0	2653.9	2719.7	2860.3	2887.4	2583.8
25°	2198.1	2194.7	2186.1	2189.5	2234.3	2339.2	2554.2	2630.3	2816.9	2874.1	2535.7
27.5°	2230.4	2233.8	2219.2	2203.7	2207.2	2268.7	2465.6	2553.7	2781.6	2874.1	2501.7
30°	2295.3	2297.0	2286.3	2266.1	2239.0	2248.9	2404.1	2492.2	2764.0	2893.9	2480.2
32.5°	2367.1	2376.6	2375.3	2359.0	2320.3	2280.3	2389.5	2469.9	2762.7	2937.7	2478.1
35°	2456.1	2466.9	2484.9	2481.5	2441.1	2375.3	2439.4	2502.6	2788.1	3010.0	2501.3
37.5°	2550.7	2567.1	2605.8	2624.3	2598.0	2523.6	2551.2	2596.3	2856.0	3126.9	2560.2
40°	2642.3	2660.8	2731.3	2804.0	2784.2	2707.7	2720.6	2756.7	2976.9	3295.0	2672.0
42.5°	2732.2	2759.7	2863.3	2982.9	3006.5	2945.5	2952.3	2981.2	3156.2	3526.4	2854.7
45°	2839.7	2870.6	3024.2	3171.6	3234.9	3208.2	3237.4	3256.3	3390.5	3832.1	3101.1
47.5°	2997.5	3033.2	3221.5	3389.6	3500.6	3517.8	3576.7	3589.2	3686.8	4188.1	3422.3
50°	3305.4	3315.3	3485.5	3638.2	3798.1	3901.3	3968.4	3977.9	4045.4	4577.3	3823.5
52.5°	3692.8	3699.2	3795.6	3897.9	4079.8	4290.5	4447.4	4460.8	4475.0	4956.5	4219.5
55°	4077.6	4076.8	4140.4	4200.6	4408.7	4714.9	5055.4	5063.6	4961.7	5316.5	4522.3
57.5°	4318.0	4341.2	4438.0	4515.4	4806.1	5198.6	5671.2	5701.3	5473.0	5583.1	4821.5
60°	4241.5	4252.6	4467.2	4753.6	5301.0	5886.2	6294.3	6302.0	5857.4	5849.2	5199.9
62.5°	3613.7	3619.7	3956.8	4547.2	5551.7	6778.0	7045.9	6919.9	6299.4	6218.6	5652.7
65°	2476.8	2515.9	2797.5	3527.2	5091.1	7337.4	8209.5	8000.9	6973.2	6750.9	6062.1
67.5°	1458.5	1450.4	1589.7	2127.2	3739.2	6965.9	9681.3	9474.1	7892.1	7107.4	5942.1
70°	996.3	990.7	1044.0	1287.8	2110.8	5403.7	10144.4	10562.8	8703.5	6867.4	5113.9
72.5°	711.2	714.2	792.9	1000.6	1325.2	3148.4	8723.7	9714.0	8449.4	5986.8	3887.2
75°	482.9	491.1	603.7	820.9	1161.8	1601.7	6190.6	7384.3	6880.3	4351.1	2234.3
77.5°	259.7	268.7	401.6	661.3	1050.5	1112.8	3982.2	5082.1	4321.9	1956.0	647.6
80°	108.4	113.5	187.9	480.7	907.7	977.4	2343.0	3081.8	1841.7	385.7	144.5
82.5°	46.9	49.4	78.3	286.8	678.5	825.2	1240.5	1482.6	558.1	84.7	72.7
85°	9.0	9.5	32.2	151.8	433.0	465.7	804.1	788.2	250.7	36.5	52.9
87.5°	0.0	0.0	7.7	47.7	127.3	253.7	490.6	484.6	85.1	17.6	19.8
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: P323446

CATALOG NUMBER: GAN-SA2C-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7	3054.7
2.5°	3030.6	3000.9	2938.6	2861.6	2802.7	2737.8	2686.2	2620.8	2592.4	2593.7	2578.2
5°	2962.7	2901.6	2763.6	2589.4	2455.3	2316.8	2197.7	2079.0	2008.9	1986.1	1964.6
7.5°	2865.5	2768.7	2548.6	2280.3	2053.2	1831.3	1638.3	1468.4	1360.9	1308.5	1289.1
10°	2755.8	2620.0	2301.3	1947.9	1623.7	1323.5	1073.3	855.7	768.8	709.9	694.9
12.5°	2659.5	2475.5	2059.7	1606.9	1222.0	860.0	621.3	485.9	427.0	403.8	399.9
15°	2568.8	2340.5	1827.0	1298.2	846.2	529.3	395.2	349.2	335.4	331.5	331.5
17.5°	2483.2	2211.9	1599.6	994.1	559.9	371.1	327.2	316.9	312.6	312.2	312.6
20°	2393.8	2083.3	1376.0	728.4	390.9	314.3	302.3	296.7	295.4	295.4	295.4
22.5°	2308.2	1954.8	1158.4	520.3	313.5	286.8	280.8	276.9	275.6	275.2	274.3
25°	2226.1	1832.6	946.0	367.6	275.2	262.7	257.6	252.4	248.5	246.4	245.1
27.5°	2158.6	1723.8	748.2	295.0	248.5	237.8	231.3	223.6	214.1	209.8	208.1
30°	2104.8	1624.5	576.6	249.0	223.6	212.8	203.0	189.6	175.9	168.6	168.1
32.5°	2062.7	1526.9	437.7	220.2	201.2	187.9	173.7	156.9	141.0	132.9	132.4
35°	2042.0	1440.9	334.5	199.1	181.5	164.7	147.1	128.6	113.1	105.3	104.5
37.5°	2055.8	1368.2	261.0	181.5	164.7	145.3	124.7	105.3	91.6	84.7	84.3
40°	2106.1	1321.8	212.0	166.4	150.5	126.8	104.5	86.4	74.8	69.2	68.8
42.5°	2213.2	1304.6	181.0	153.9	136.7	109.6	86.9	71.4	60.6	56.8	55.9
45°	2392.1	1330.0	160.0	141.9	122.5	93.3	71.8	58.5	49.0	46.0	45.6
47.5°	2630.3	1396.6	144.9	130.3	109.6	78.7	59.8	47.3	40.0	37.0	36.5
50°	2937.3	1502.4	132.4	118.7	97.6	66.6	49.4	37.4	31.0	28.8	28.8
52.5°	3271.4	1628.4	121.3	107.9	85.6	55.5	40.0	28.8	24.5	21.9	21.9
55°	3547.5	1738.5	109.2	99.8	70.9	46.0	30.5	21.9	18.1	16.8	16.8
57.5°	3823.1	1855.9	95.5	85.6	56.8	37.4	23.2	16.3	13.3	12.5	12.5
60°	4180.4	1999.5	82.1	69.7	44.7	28.4	17.2	11.6	9.9	9.5	9.5
62.5°	4573.4	2083.8	70.1	55.9	34.8	21.1	12.5	7.7	7.3	7.3	6.9
65°	4813.8	1964.6	58.9	44.7	27.1	15.9	8.2	5.6	6.4	6.0	5.2
67.5°	4507.2	1538.1	48.2	34.8	21.1	12.0	5.2	3.9	6.9	5.6	4.3
70°	3731.9	1076.7	37.4	24.5	16.8	10.3	3.4	2.6	7.3	5.6	3.4
72.5°	2792.8	720.7	29.7	16.3	12.5	9.0	3.0	1.3	6.4	4.7	3.0
75°	1526.1	290.2	23.6	10.3	7.7	6.4	2.1	0.9	4.3	3.4	2.1
77.5°	401.6	76.5	17.2	6.9	4.3	2.6	1.3	0.4	2.1	1.7	0.9
80°	102.3	29.7	11.2	4.7	3.0	1.3	0.0	0.0	0.4	0.0	0.0
82.5°	54.6	12.5	6.9	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.3	8.2	3.9	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)