

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: P324086

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8972 lumens
Efficiency: N/A
Efficacy: 79.4 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

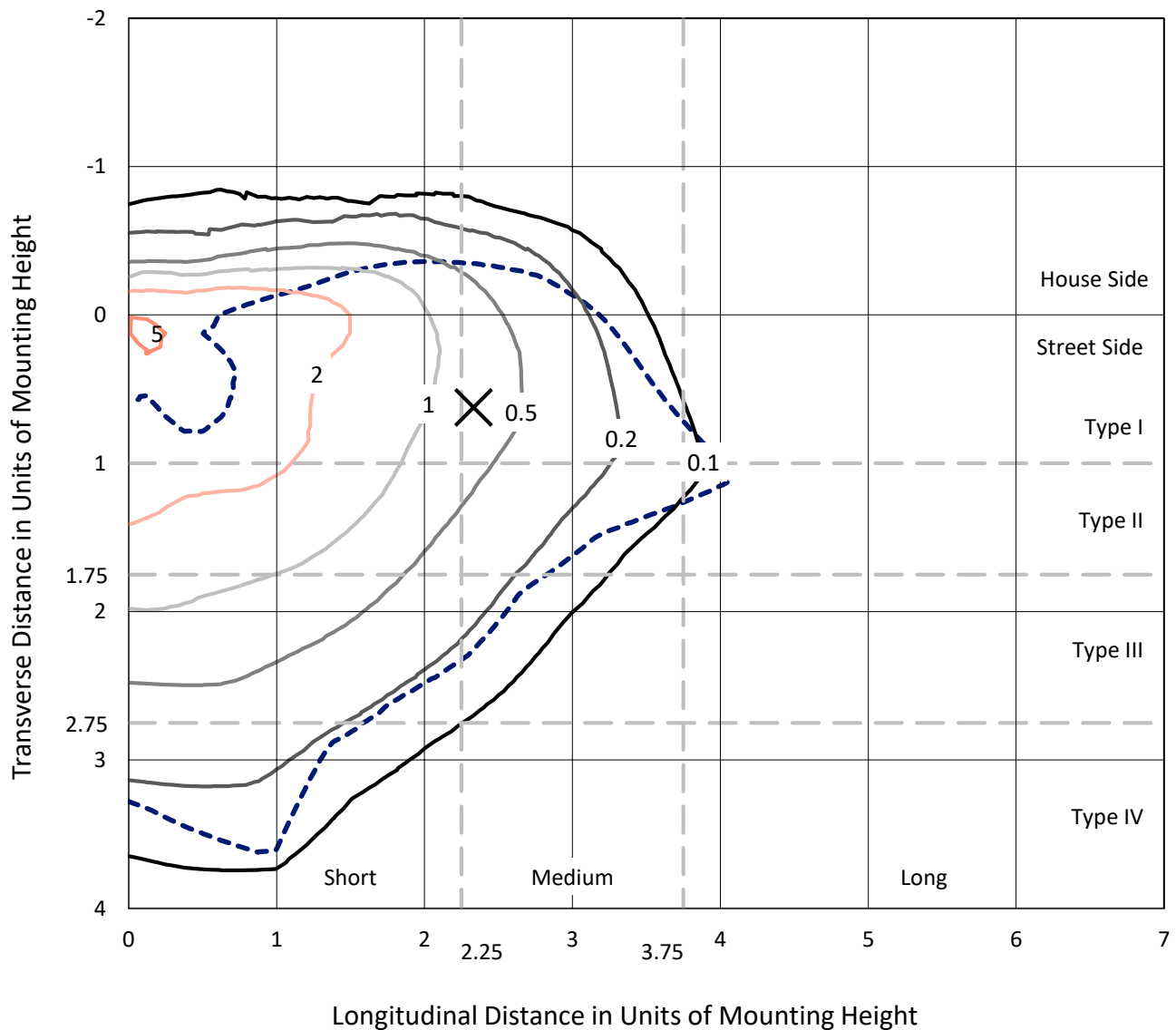


REPORT NUMBER: P324086

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

Iso-Footcandle Lines of Horizontal Illumination

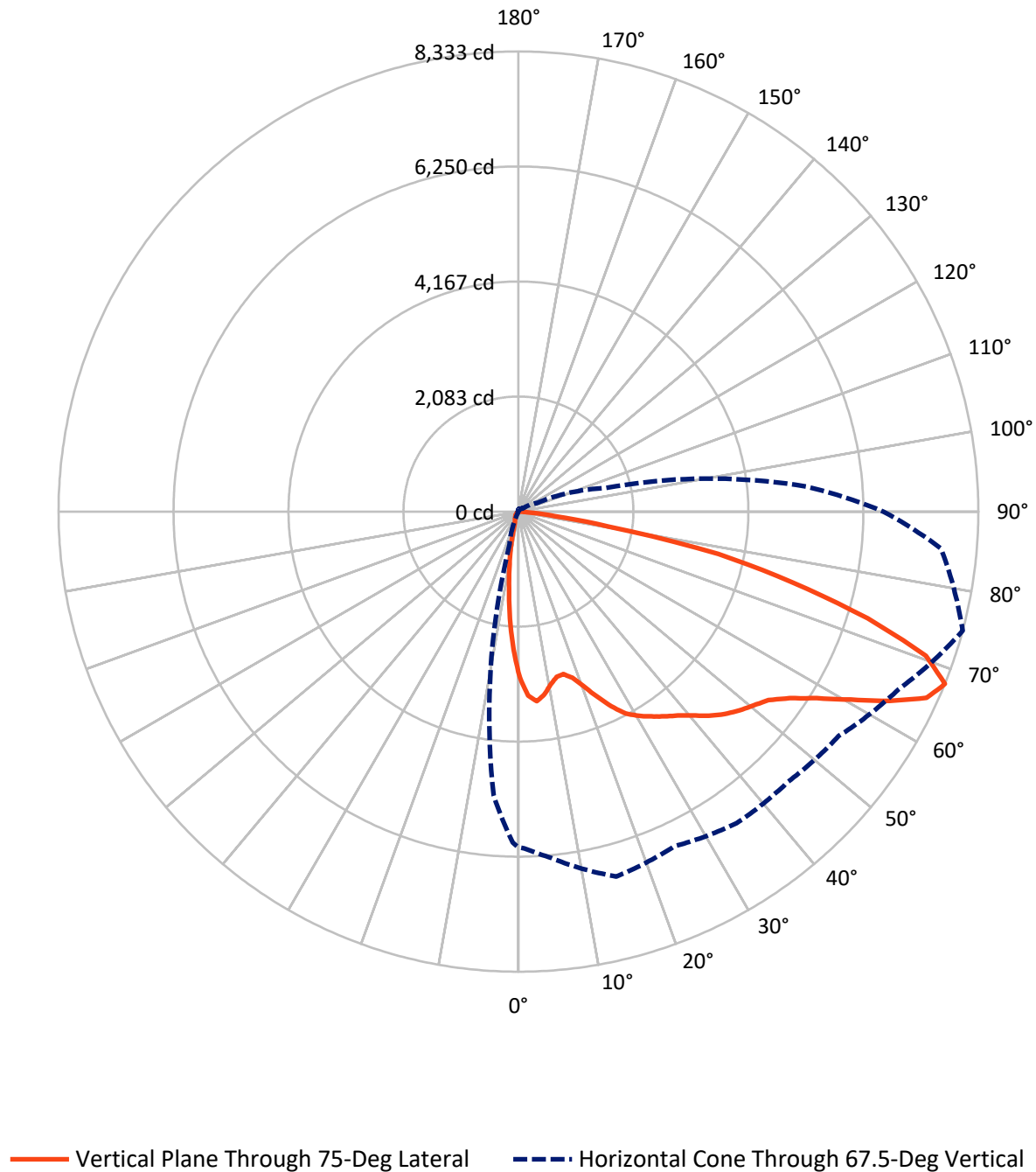
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P324086
CATALOG NUMBER: GAN-SA2C-727-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324086

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

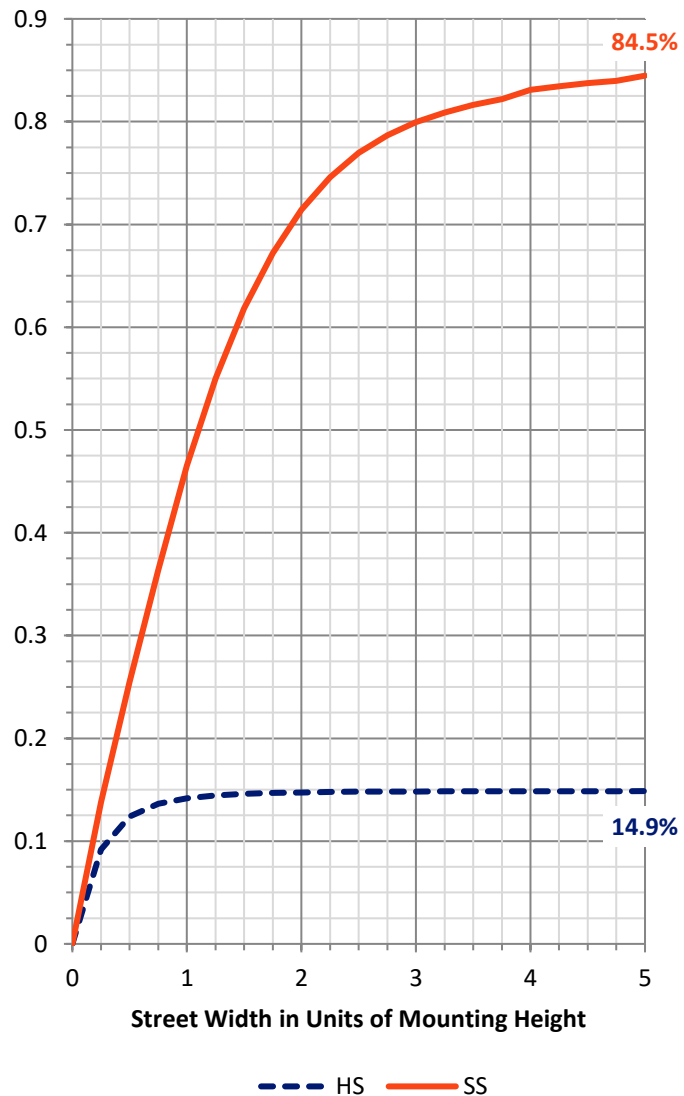
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1346.4	0.0	1346.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	7625.7	0.0	7625.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	8972.0	0.0	8972.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	2.5
10°-20°	449.6	5.0
20°-30°	636.0	7.1
30°-40°	935.1	10.4
40°-50°	1344.1	15.0
50°-60°	1892.1	21.1
60°-70°	2209.8	24.6
70°-80°	1127.4	12.6
80°-90°	149.8	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°	8972.0	100.0
0°-180°	8972.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324086

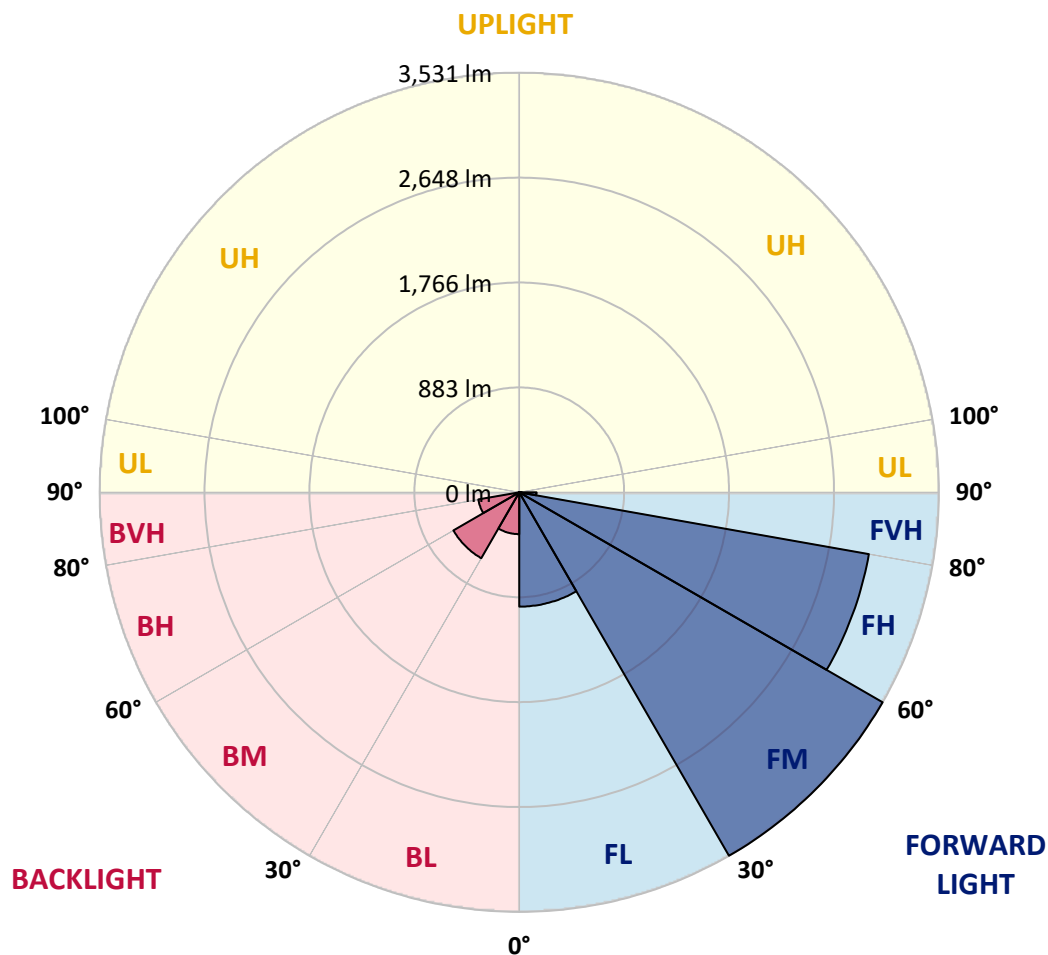
CATALOG NUMBER: GAN-SA2C-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	961.8	10.7			
FM	(30°-60°)	3531.2	39.4			
FH	(60°-80°)	2987.4	33.3			G2/5000
FVH	(80°-90°)	145.2	1.6			G2/225
BL	(0°-30°)	352.1	3.9	B1/500		
BM	(30°-60°)	640.0	7.1	B1/1000		
BH	(60°-80°)	349.7	3.9	B1/500		G1/500
BVH	(80°-90°)	4.5	0.1			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: P324086

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

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0
2.5°	3262.8	3267.9	3294.3	3355.5	3422.2	3427.3	3472.4	3426.0	3410.3	3335.5	3258.2
5°	3287.5	3307.0	3397.6	3577.3	3733.3	3783.5	3819.2	3728.2	3632.6	3449.8	3254.8
7.5°	3089.0	3121.7	3264.1	3601.6	3880.4	4003.6	4027.0	3884.6	3650.4	3349.5	3056.3
10°	2834.8	2872.2	3044.0	3458.8	3841.7	4052.9	4085.2	3898.7	3562.0	3187.2	2841.6
12.5°	2629.1	2672.9	2848.4	3298.1	3708.7	3942.4	4006.2	3851.5	3485.5	3072.0	2695.0
15°	2534.4	2584.5	2769.0	3194.4	3561.2	3745.2	3797.9	3731.2	3443.0	3053.7	2661.0
17.5°	2588.8	2643.2	2833.6	3203.3	3422.6	3501.3	3543.8	3571.0	3443.0	3163.8	2760.5
20°	2811.9	2870.5	3072.0	3293.9	3307.9	3278.6	3324.0	3419.7	3483.0	3372.9	2999.3
22.5°	3120.5	3189.3	3416.7	3449.0	3251.8	3140.9	3146.8	3296.8	3555.7	3638.1	3330.8
25°	3496.6	3580.7	3812.0	3680.2	3275.2	3058.8	3056.7	3195.7	3626.6	3903.8	3700.2
27.5°	3870.2	3962.8	4166.0	3962.4	3371.6	3044.0	3039.7	3165.1	3695.9	4140.1	4103.5
30°	4183.4	4273.5	4448.6	4166.8	3475.8	3078.8	3058.4	3197.8	3737.2	4293.5	4397.6
32.5°	4438.4	4510.7	4652.2	4307.5	3587.1	3146.4	3102.2	3285.4	3807.3	4423.1	4667.9
35°	4718.9	4795.0	4851.5	4441.4	3712.1	3243.7	3180.4	3424.3	3915.2	4554.9	4964.2
37.5°	5039.0	5114.6	5107.8	4563.8	3870.6	3404.8	3364.4	3644.5	4083.1	4685.4	5294.8
40°	5352.2	5429.6	5374.3	4697.7	4056.8	3670.4	3640.7	3975.2	4307.9	4852.4	5682.4
42.5°	5645.5	5729.2	5611.0	4824.3	4278.6	4005.3	4056.3	4401.0	4589.3	5058.1	6016.5
45°	5881.8	5967.2	5809.5	4947.6	4512.4	4411.7	4565.1	4872.8	4927.6	5231.9	6242.2
47.5°	6053.5	6134.2	5947.2	5070.8	4811.6	4908.5	5175.8	5367.5	5233.2	5382.8	6402.4
50°	6163.1	6226.0	5987.6	5225.1	5204.3	5488.2	5812.1	5905.6	5520.9	5518.8	6597.1
52.5°	6232.8	6261.3	6017.4	5386.2	5614.0	6119.4	6435.1	6464.5	5817.2	5668.4	6859.3
55°	6473.0	6495.9	6228.2	5581.3	5952.8	6672.3	6998.7	6971.5	6152.5	5961.3	7168.7
57.5°	6882.7	6906.9	6663.8	5861.8	6226.9	7014.0	7407.2	7456.0	6545.6	6372.7	7500.2
60°	7088.4	7133.4	7046.7	6217.1	6492.5	7232.5	7685.5	7841.5	7037.0	6915.0	7821.5
62.5°	6901.8	6967.3	7093.1	6611.1	6756.5	7352.8	7772.2	7979.6	7540.2	7547.0	8019.6
65°	6529.5	6581.8	6795.1	6827.0	6909.5	7337.9	7558.0	7786.7	7848.3	8127.6	8009.0
67.5°	6079.8	6099.4	6280.4	6844.0	6687.6	6890.8	6914.6	7083.7	7604.8	8333.3	7687.2
70°	5432.5	5443.2	5601.3	6274.9	5747.0	5791.7	5756.4	5790.8	6538.0	7832.2	6875.0
72.5°	4372.1	4398.9	4623.7	5211.1	4186.8	4058.0	4335.1	4319.8	5035.1	6617.1	5106.1
75°	3219.1	3265.4	3605.0	4197.4	2938.6	2658.0	2860.3	2914.3	3579.5	5118.4	3193.1
77.5°	2253.9	2288.3	2617.2	3085.6	2126.8	1900.7	1827.6	1891.7	2362.7	3702.7	1608.7
80°	1298.4	1311.2	1521.1	1781.7	1433.1	1639.7	1485.4	1529.6	1415.7	1647.4	691.9
82.5°	849.6	851.7	933.8	1060.4	892.5	1037.0	767.6	981.4	870.9	661.7	225.3
85°	459.0	461.6	541.5	752.7	505.3	285.6	167.9	344.7	538.5	151.7	61.6
87.5°	50.6	46.3	163.2	273.7	140.3	25.9	8.9	38.7	86.3	9.8	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

REPORT NUMBER: P324086

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0
2.5°	3218.6	3183.4	3095.4	3002.3	2927.5	2857.4	2786.8	2700.5	2633.8	2620.2	2598.1
5°	3149.8	3038.0	2853.5	2668.2	2519.1	2330.8	2211.4	2118.3	2027.3	2021.8	2003.5
7.5°	2909.2	2762.2	2502.5	2246.2	2036.2	1856.9	1675.8	1554.7	1459.5	1425.9	1405.9
10°	2678.0	2512.7	2188.4	1896.0	1708.6	1550.0	1422.5	1295.9	1181.1	1102.1	1066.4
12.5°	2516.5	2333.8	1976.3	1724.3	1590.0	1439.5	1284.0	1125.9	993.7	898.5	840.3
15°	2454.0	2259.0	1905.3	1656.3	1490.5	1300.1	1101.2	920.6	774.0	687.7	635.4
17.5°	2528.4	2301.5	1899.8	1573.4	1341.8	1105.0	885.3	671.9	533.8	468.4	434.8
20°	2717.1	2436.6	1897.7	1471.8	1165.0	873.8	599.7	442.0	358.3	321.7	306.0
22.5°	2984.0	2609.2	1914.7	1371.5	980.9	624.3	414.0	324.7	281.8	262.2	253.3
25°	3327.4	2851.4	1962.7	1280.6	808.0	465.8	322.6	272.0	241.8	226.5	220.2
27.5°	3693.4	3130.2	2037.5	1201.5	667.3	371.5	276.3	232.9	211.2	200.6	194.7
30°	3995.1	3453.2	2113.2	1113.5	565.3	323.9	252.9	212.5	187.4	180.6	175.1
32.5°	4259.1	3697.6	2166.7	1034.1	498.5	287.7	228.7	190.0	173.0	159.8	153.9
35°	4532.4	3901.2	2165.0	978.4	452.6	260.5	208.3	170.0	149.6	134.3	129.6
37.5°	4828.2	4131.1	2128.0	930.8	432.7	238.9	196.8	159.4	139.0	123.7	117.7
40°	5174.6	4372.5	2090.2	886.2	427.1	221.4	188.7	150.9	129.2	114.3	108.4
42.5°	5512.0	4590.2	2057.1	853.0	403.3	221.0	181.5	144.5	121.6	107.1	100.3
45°	5781.9	4792.9	2050.7	833.0	378.3	228.7	177.7	140.3	115.6	101.2	94.8
47.5°	6006.3	5013.0	2091.5	819.0	354.5	208.7	187.0	137.3	110.1	96.1	88.8
50°	6273.2	5283.4	2187.5	796.1	329.4	187.9	214.2	138.1	105.4	91.0	83.3
52.5°	6645.5	5657.4	2328.7	757.4	295.0	168.7	210.8	139.0	100.3	85.4	77.8
55°	7062.9	6124.5	2480.4	693.2	246.9	143.7	180.6	133.0	90.5	79.5	72.3
57.5°	7501.5	6548.2	2570.5	616.7	196.4	124.1	144.5	121.1	79.9	71.4	66.7
60°	7570.4	6709.3	2529.3	522.8	156.0	108.0	107.1	123.3	71.4	62.9	59.5
62.5°	7399.1	6507.0	2329.9	439.0	130.5	94.8	88.0	107.5	64.6	56.1	52.7
65°	7069.7	5960.0	2006.9	395.7	121.1	81.2	73.1	75.7	56.5	48.9	45.9
67.5°	6611.5	5229.8	1647.8	371.0	119.9	69.7	62.5	57.4	48.9	42.5	40.0
70°	5674.8	4356.8	1314.6	357.4	116.5	58.7	52.7	46.8	40.8	36.1	34.0
72.5°	4176.6	3087.3	1022.6	342.6	117.3	46.8	45.9	38.7	32.7	28.1	27.2
75°	2413.2	1763.8	670.7	277.5	111.8	36.1	38.3	27.2	23.0	19.6	19.6
77.5°	1286.1	1075.7	255.4	115.6	40.8	23.0	21.7	16.2	14.5	11.9	11.5
80°	560.6	473.5	76.9	32.3	22.5	12.3	8.1	7.2	6.4	5.1	4.7
82.5°	198.5	171.3	25.1	15.7	9.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	45.1	32.3	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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

REPORT NUMBER: P324086

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

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0
2.5°	2553.1	2543.7	2488.5	2490.6	2500.4	2514.4	2481.2	2496.5	2537.8	2577.3	2592.2
5°	1974.2	1976.3	1942.7	1963.6	1982.3	1995.0	1941.5	1942.3	1975.0	2019.7	2043.0
7.5°	1391.1	1387.7	1389.4	1439.1	1474.4	1448.9	1468.9	1399.6	1403.8	1435.7	1411.9
10°	1034.1	987.3	961.0	998.4	1037.0	1023.0	988.6	966.1	981.8	1017.1	1014.5
12.5°	812.6	745.5	705.9	679.2	711.0	684.7	683.8	664.3	643.0	646.9	703.4
15°	611.2	562.3	515.5	472.6	471.8	462.8	417.4	366.4	362.1	364.7	394.0
17.5°	420.3	403.8	384.6	347.7	337.9	300.5	256.3	235.9	225.7	230.4	240.1
20°	295.4	289.0	291.1	271.2	257.1	221.4	195.5	187.4	185.7	190.4	195.1
22.5°	244.8	233.3	232.1	223.1	209.1	183.2	169.2	164.5	162.4	166.6	170.0
25°	214.2	202.7	198.1	192.5	177.7	159.8	151.3	147.1	144.9	147.5	149.6
27.5°	188.7	178.1	173.8	170.0	155.6	142.8	136.0	132.2	130.5	131.3	133.5
30°	169.6	160.2	154.7	150.0	137.7	128.8	122.8	119.0	117.3	117.3	119.4
32.5°	149.6	144.5	139.4	133.5	122.0	116.0	110.1	105.8	104.1	104.6	106.3
35°	124.5	122.8	124.1	118.6	108.8	103.7	97.8	93.1	91.8	92.2	93.9
37.5°	110.5	102.9	107.5	104.6	99.0	92.2	84.6	80.3	78.2	79.5	80.3
40°	101.6	92.2	88.8	91.8	91.0	79.9	73.1	68.9	67.2	67.6	68.4
42.5°	93.9	82.9	75.2	74.8	79.9	69.7	62.5	58.7	56.5	56.5	57.4
45°	86.7	74.8	65.5	58.2	67.2	59.1	52.3	48.9	46.3	46.3	46.8
47.5°	81.2	68.0	57.0	47.6	50.6	48.5	42.9	39.5	37.0	37.0	37.4
50°	76.1	61.2	49.3	40.0	37.8	40.0	34.9	31.0	29.3	28.9	29.8
52.5°	70.6	54.4	42.1	34.0	29.8	30.2	27.2	24.7	22.5	22.5	23.4
55°	65.0	48.9	36.6	28.9	24.7	22.5	21.7	20.0	18.3	18.3	19.1
57.5°	59.5	42.9	31.0	23.8	19.6	17.9	17.9	16.6	15.3	15.3	16.2
60°	54.4	37.0	25.5	19.6	15.3	14.9	15.3	14.0	13.2	13.2	14.0
62.5°	48.5	31.5	20.8	16.2	12.3	11.9	13.2	12.3	11.5	11.5	12.3
65°	41.2	26.8	16.6	12.3	9.4	9.4	11.1	10.2	9.4	9.4	10.2
67.5°	34.9	22.5	12.8	8.9	6.8	7.2	9.4	8.5	8.1	8.1	8.9
70°	28.9	17.4	8.9	5.5	3.8	5.5	7.2	7.2	7.2	7.2	8.1
72.5°	21.7	11.9	5.1	2.1	1.7	3.8	6.0	6.8	6.4	6.4	7.7
75°	14.0	6.8	1.7	0.0	0.0	2.1	4.7	5.5	5.5	5.1	6.4
77.5°	8.1	2.1	0.0	0.0	0.0	0.0	3.0	2.6	2.1	1.7	3.0
80°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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

REPORT NUMBER: P324086

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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0
2.5°	2652.1	2702.2	2772.8	2847.6	2962.8	3054.2	3143.8	3220.8	3250.5	3262.8
5°	2099.1	2172.7	2276.0	2408.6	2616.4	2803.4	2993.0	3183.8	3266.7	3287.5
7.5°	1506.3	1600.2	1731.5	1897.7	2141.2	2383.5	2648.3	2928.3	3056.7	3089.0
10°	1114.8	1229.6	1380.0	1555.1	1787.6	2036.7	2325.3	2645.3	2791.9	2834.8
12.5°	791.0	946.1	1147.5	1360.5	1561.9	1784.2	2076.2	2429.0	2582.8	2629.1
15°	464.5	614.6	853.0	1138.2	1396.2	1621.4	1918.1	2318.0	2487.6	2534.4
17.5°	266.5	341.3	521.5	839.4	1189.6	1501.6	1868.4	2345.7	2545.4	2588.8
20°	203.6	227.4	300.5	540.6	948.2	1383.8	1868.4	2502.1	2748.1	2811.9
22.5°	178.1	195.5	225.3	322.6	697.9	1257.6	1890.0	2728.2	3049.9	3120.5
25°	158.1	173.8	199.3	242.7	476.0	1107.6	1941.5	3005.7	3405.2	3496.6
27.5°	141.5	156.4	179.4	212.5	325.6	926.5	2010.7	3331.3	3797.1	3870.2
30°	126.7	140.7	161.5	184.9	251.2	721.2	2069.8	3638.1	4104.8	4183.4
32.5°	112.6	125.4	144.1	161.5	205.7	533.4	2076.2	3881.2	4360.2	4438.4
35°	99.5	110.9	127.9	141.5	170.4	421.2	1977.2	4092.0	4615.7	4718.9
37.5°	86.7	97.8	112.6	122.8	150.0	343.4	1825.9	4327.1	4943.3	5039.0
40°	74.8	84.6	99.9	106.7	142.0	263.9	1661.4	4573.6	5264.7	5352.2
42.5°	63.8	73.1	88.0	101.2	124.5	197.2	1483.7	4804.8	5553.7	5645.5
45°	53.1	62.9	77.8	107.1	103.3	147.5	1293.7	4958.2	5781.9	5881.8
47.5°	42.9	54.0	74.4	102.0	82.5	108.4	1143.3	5103.6	5954.9	6053.5
50°	34.4	45.5	83.7	91.0	67.6	82.9	1080.4	5233.6	6068.4	6163.1
52.5°	28.1	38.3	79.1	69.7	56.5	68.4	1114.4	5444.4	6173.3	6232.8
55°	23.4	30.2	47.6	48.5	48.0	58.2	1156.5	5747.0	6444.9	6473.0
57.5°	20.4	24.2	33.2	37.4	40.4	51.9	1157.3	6181.4	6865.3	6882.7
60°	17.4	21.3	27.6	30.2	34.9	46.3	1115.2	6333.1	7030.6	7088.4
62.5°	15.3	18.7	23.0	25.1	29.3	41.7	1016.6	6113.4	6803.6	6901.8
65°	13.6	17.0	19.1	21.3	25.9	37.4	854.3	5673.9	6427.1	6529.5
67.5°	11.9	14.9	17.0	19.1	23.4	33.2	629.0	5163.5	5994.8	6079.8
70°	10.6	13.2	15.3	17.0	20.4	28.1	381.7	4381.5	5397.3	5432.5
72.5°	10.2	11.9	14.0	15.3	17.9	24.7	193.4	3219.9	4314.7	4372.1
75°	8.9	10.6	12.8	13.6	15.7	21.3	78.6	2114.9	3126.8	3219.1
77.5°	7.2	9.8	11.5	12.3	13.6	17.4	40.0	1351.5	2194.3	2253.9
80°	2.6	7.2	9.8	10.2	11.5	12.8	26.4	740.0	1272.9	1298.4
82.5°	0.0	4.7	7.7	7.2	8.1	9.8	17.0	351.9	840.3	849.6
85°	0.0	2.1	6.0	4.7	3.4	6.8	6.0	76.9	440.7	459.0
87.5°	0.0	0.0	0.4	2.1	1.7	2.6	0.9	0.4	40.0	50.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)