

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: P324597

Luminaire Tested: **GAN-SA3B-827-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-827-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9507 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

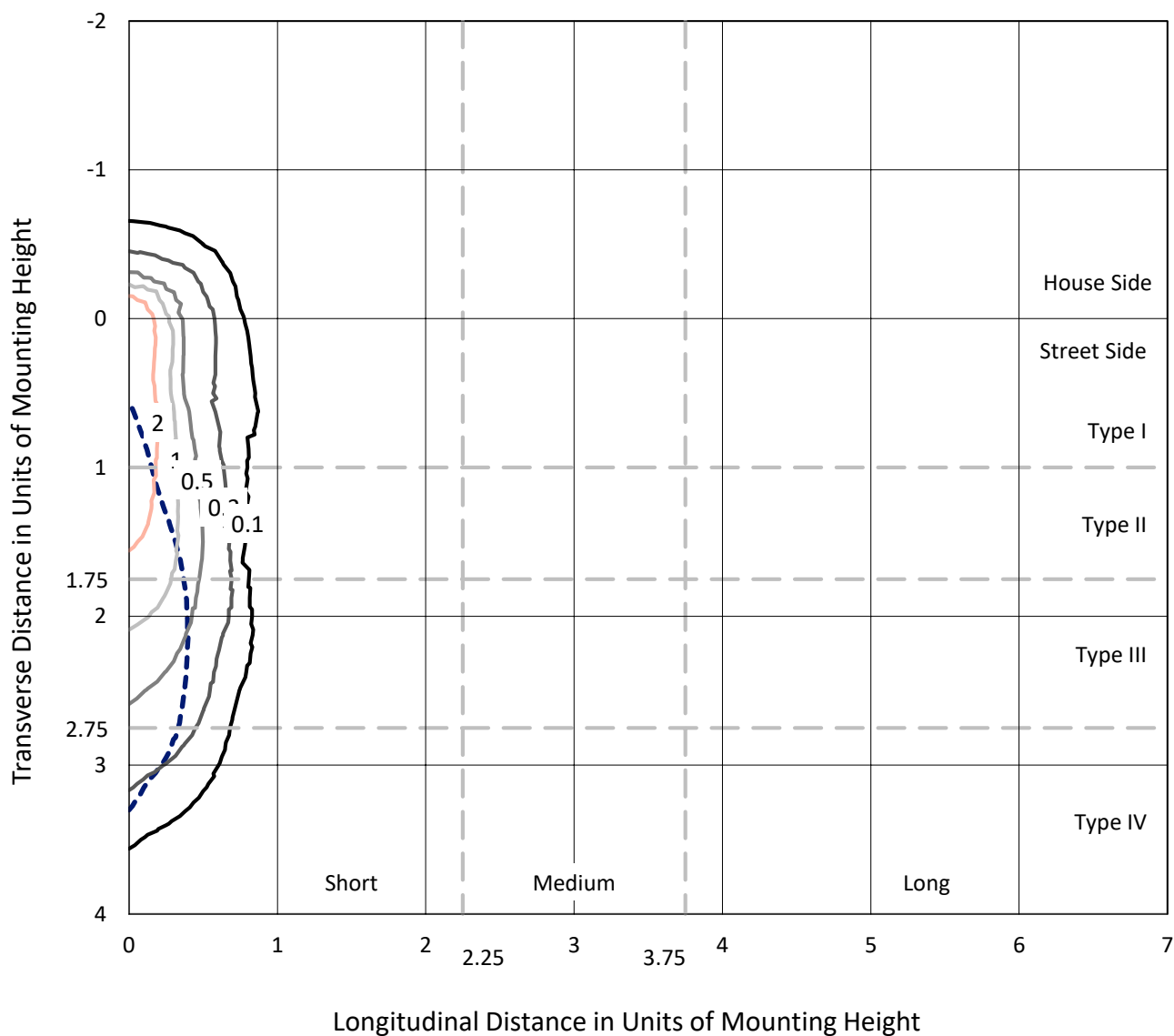
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324597
 CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

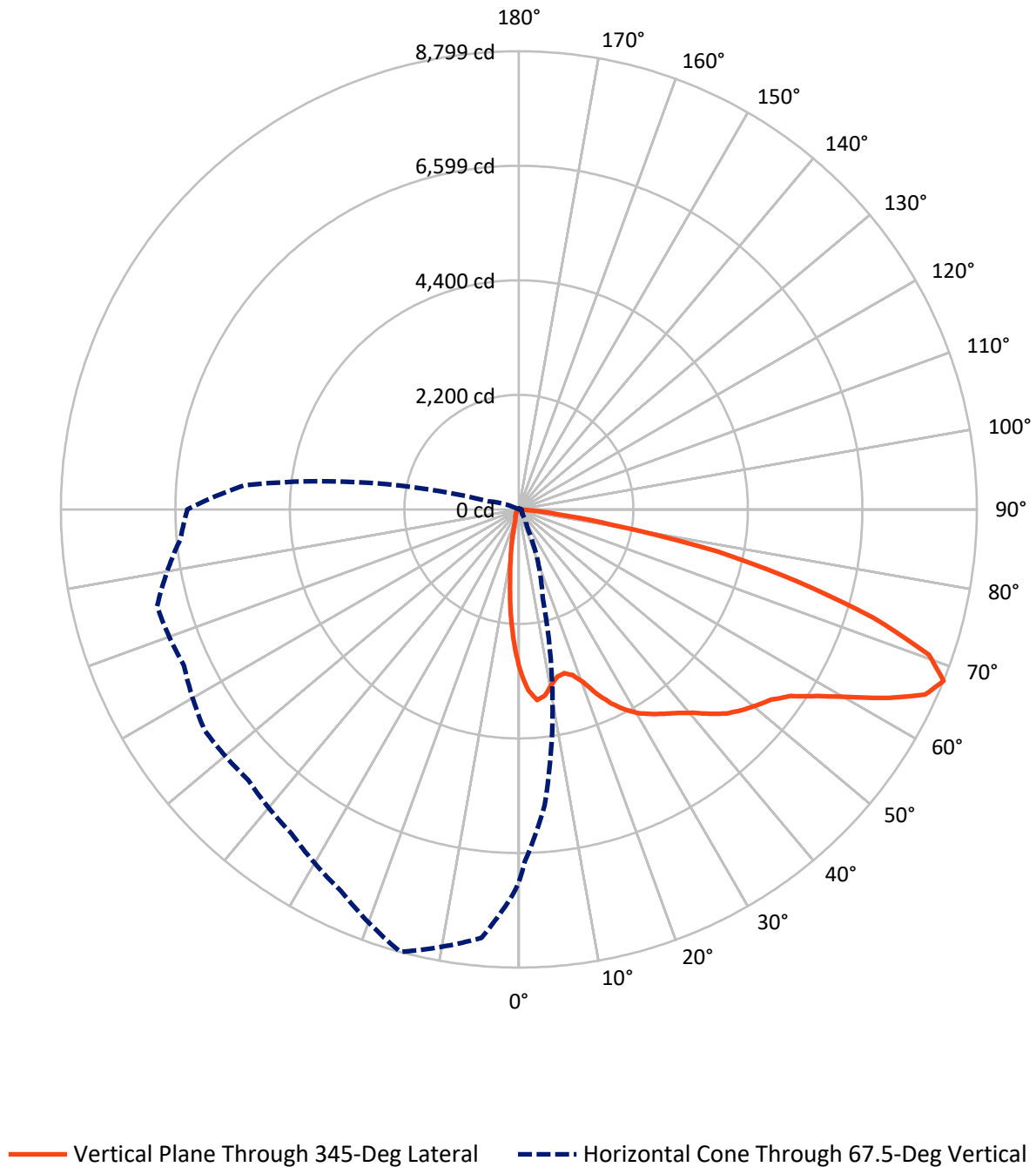
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P324597
CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324597

CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

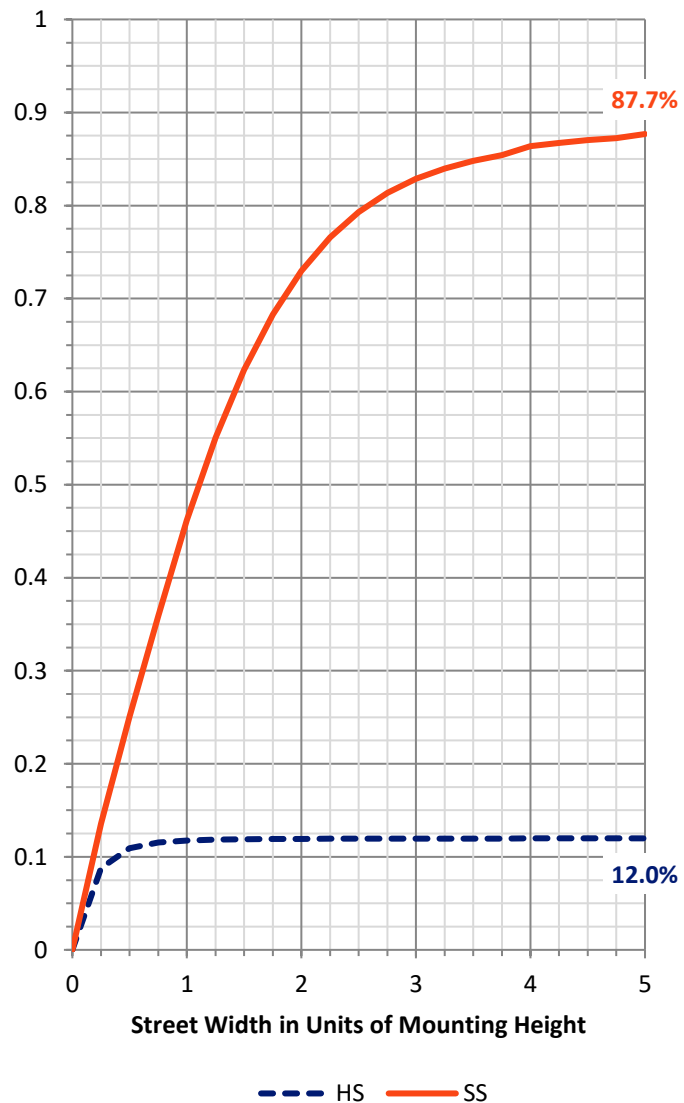
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1150.7	0.0	1150.7
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	8356.3	0.0	8356.3
	% Fixture	87.9	0.0	87.9
Total	Lumens	9507.0	0.0	9507.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.7	2.5
10°-20°	473.1	5.0
20°-30°	671.8	7.1
30°-40°	992.3	10.4
40°-50°	1431.1	15.1
50°-60°	2009.0	21.1
60°-70°	2341.9	24.6
70°-80°	1197.2	12.6
80°-90°	152.9	1.6
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°	9507.0	100.0
0°-180°	9507.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324597

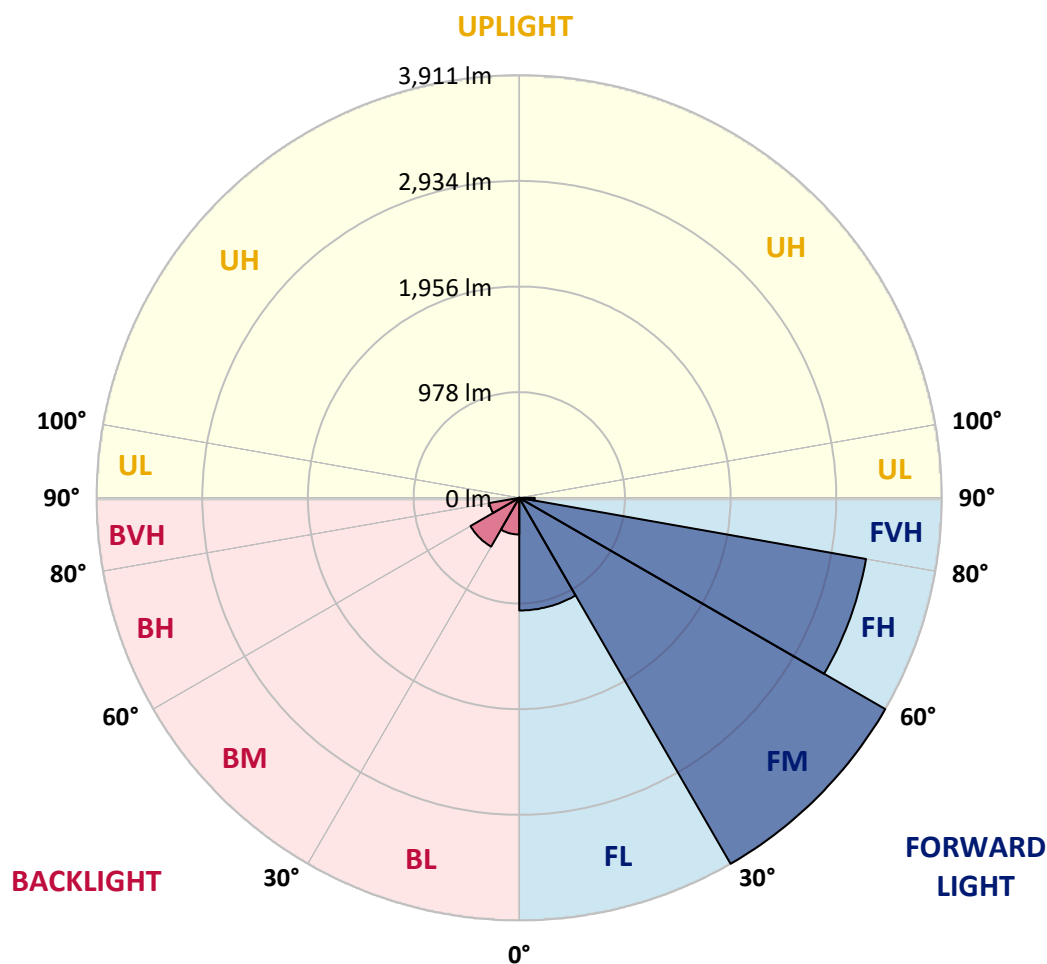
CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1042.7	11.0			
FM	(30°-60°)	3911.3	41.1			
FH	(60°-80°)	3258.7	34.3			G2/5000
FVH	(80°-90°)	143.6	1.5			G2/225
BL	(0°-30°)	339.9	3.6	B1/500		
BM	(30°-60°)	521.1	5.5	B1/1000		
BH	(60°-80°)	280.5	3.0	B1/500		G1/500
BVH	(80°-90°)	9.3	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 IV Medium





REPORT NUMBER: P324597

CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9
2.5°	3391.0	3364.9	3336.0	3241.9	3154.5	3054.6	2973.0	2916.3	2845.1	2752.8	2729.4
5°	3366.7	3338.7	3248.2	3038.8	2855.5	2677.1	2505.1	2404.2	2279.0	2152.0	2120.4
7.5°	3122.1	3092.8	2962.2	2675.3	2428.5	2170.9	1947.5	1809.2	1667.8	1551.6	1489.9
10°	2867.6	2835.7	2688.8	2340.7	2036.7	1803.8	1639.9	1507.9	1374.1	1249.8	1150.7
12.5°	2692.4	2650.6	2491.1	2096.6	1831.7	1673.7	1520.5	1362.4	1181.4	1048.1	939.1
15°	2619.0	2571.3	2402.8	2002.4	1759.2	1573.7	1374.1	1180.0	967.9	815.2	715.2
17.5°	2675.8	2613.6	2433.0	1996.1	1668.2	1415.6	1163.4	935.5	705.3	550.8	479.7
20°	2868.5	2787.0	2557.8	1994.3	1557.9	1227.8	908.0	650.4	464.8	373.8	336.4
22.5°	3172.1	3064.5	2737.0	2008.7	1444.0	1030.5	655.8	441.8	349.1	301.8	279.7
25°	3538.7	3414.0	2995.1	2059.6	1344.0	838.6	476.5	349.1	294.6	259.9	241.4
27.5°	3887.3	3786.0	3321.2	2133.1	1266.5	683.7	386.9	295.9	251.8	228.8	213.9
30°	4235.5	4108.0	3655.8	2220.4	1173.3	578.8	340.0	269.8	225.6	201.3	191.9
32.5°	4488.6	4382.8	3918.0	2283.5	1073.7	510.3	304.0	246.8	210.8	186.0	172.0
35°	4786.3	4666.5	4142.7	2297.4	1009.8	467.1	273.4	222.0	182.9	160.8	145.9
37.5°	5107.9	4958.8	4402.1	2266.8	959.8	445.9	250.4	210.8	170.7	148.2	132.4
40°	5463.7	5295.2	4651.2	2222.7	910.7	438.7	232.9	202.2	161.2	138.3	122.1
42.5°	5838.4	5639.8	4866.9	2176.3	879.6	413.9	231.1	193.7	154.0	129.3	113.0
45°	6153.2	5951.9	5088.5	2161.0	857.5	386.9	238.7	187.8	149.1	122.1	106.3
47.5°	6404.1	6213.6	5315.5	2195.2	844.9	362.1	217.5	195.5	146.4	115.8	100.4
50°	6703.6	6487.9	5635.3	2297.4	826.5	337.3	196.8	223.8	146.4	111.7	95.5
52.5°	7079.2	6865.8	5992.0	2456.0	789.5	303.1	177.0	224.3	147.7	106.3	89.2
55°	7551.7	7396.8	6501.4	2629.8	730.5	252.7	153.1	192.8	142.3	96.4	83.3
57.5°	8004.8	7878.2	6965.7	2748.7	651.7	197.3	133.3	155.4	130.2	84.7	74.3
59°	8128.7	7990.4	7136.0	2754.1	592.7	172.0	123.4	128.4	127.5	79.3	68.9
60°	8128.7	7981.8	7185.1	2725.3	549.9	158.1	117.1	114.4	132.9	75.7	65.8
62.5°	7981.4	7775.1	7025.6	2530.3	448.6	134.7	102.2	94.6	119.4	68.0	58.1
65°	7675.1	7374.7	6482.5	2177.6	399.9	123.4	88.3	77.5	82.9	59.9	50.9
67.5°	7164.4	6757.2	5699.2	1759.2	380.6	120.3	76.1	65.8	62.6	51.3	44.6
70°	6264.9	5813.2	4748.5	1383.2	363.9	118.9	64.0	55.4	50.4	43.2	37.8
72.5°	4559.8	4088.6	3371.2	1081.4	354.0	121.6	51.3	46.4	41.4	33.8	29.3
75°	2608.2	2299.7	1894.8	714.3	301.8	116.2	39.6	38.7	29.7	24.3	20.3
77.5°	1347.6	1306.6	1135.4	274.3	144.6	50.9	26.1	22.5	17.6	14.9	12.2
80°	581.5	575.1	497.7	79.3	38.3	28.4	14.9	9.5	8.1	6.3	5.0
82.5°	200.9	200.9	177.0	26.6	17.1	14.0	1.8	0.0	0.0	0.0	0.0
85°	40.5	45.5	32.0	0.0	5.9	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: P324597

CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9
2.5°	2701.0	2646.5	2642.9	2608.7	2565.9	2546.5	2535.3	2555.1	2579.4	2582.1	2618.6
5°	2096.6	2039.4	2063.2	2002.4	2014.6	2002.4	1982.6	1986.2	1997.0	1963.3	2005.1
7.5°	1472.3	1429.1	1456.6	1440.4	1462.0	1470.5	1458.4	1440.4	1387.2	1380.9	1417.4
10°	1109.8	1060.7	1031.4	1000.8	1007.5	1021.5	1017.0	1003.9	970.1	971.9	1007.1
12.5°	891.8	836.8	778.7	703.5	685.0	695.4	685.0	677.4	645.0	647.7	678.7
15°	676.5	631.4	570.6	510.3	477.4	480.6	451.7	431.5	411.2	386.9	405.8
17.5°	456.7	429.2	411.2	393.2	354.0	345.0	308.5	269.3	254.0	242.8	250.9
20°	323.4	308.5	301.3	300.4	277.9	266.6	231.1	206.7	199.1	196.8	201.8
22.5°	270.2	259.4	249.1	243.2	232.0	218.9	191.9	179.7	174.3	171.6	175.2
25°	235.1	227.0	216.2	206.3	201.8	187.8	168.4	159.4	155.8	153.1	154.9
27.5°	209.0	201.8	189.2	182.9	179.3	167.1	150.4	143.2	140.1	139.2	138.7
30°	188.3	181.5	169.8	162.6	156.3	145.5	135.6	128.4	125.2	124.3	123.4
32.5°	167.5	162.1	154.5	147.3	140.5	130.6	122.1	116.2	111.2	110.3	109.9
35°	141.4	136.0	132.0	131.5	125.2	115.8	109.4	101.8	97.7	96.4	96.8
37.5°	125.7	118.5	109.4	112.6	110.8	104.0	95.5	87.8	83.8	82.9	82.9
40°	115.8	108.1	97.7	92.3	97.7	96.4	82.9	75.2	71.2	70.7	69.8
42.5°	106.3	98.6	86.9	77.9	80.6	84.7	71.6	64.4	60.4	59.5	58.1
45°	99.5	91.4	78.4	68.0	62.6	71.2	61.3	52.2	50.0	48.2	47.3
47.5°	93.2	85.6	70.7	59.0	50.0	51.3	49.1	42.8	40.1	38.3	37.8
50°	87.8	79.7	64.0	50.4	41.4	37.8	39.6	33.8	31.5	29.7	28.8
52.5°	81.5	73.9	56.7	43.7	34.7	29.7	30.2	26.6	24.3	23.0	22.5
55°	76.6	68.9	50.9	38.3	30.6	24.3	21.6	20.7	19.4	18.5	18.0
57.5°	69.8	62.6	45.0	32.4	26.1	19.8	16.7	16.7	16.2	15.3	14.9
59°	65.8	59.5	41.4	29.3	23.9	17.1	14.9	15.3	14.9	14.0	13.5
60°	62.6	56.7	38.7	27.0	22.5	15.8	13.5	14.4	14.0	13.1	12.6
62.5°	55.4	51.3	33.3	22.5	19.8	12.6	11.3	12.2	12.2	11.7	11.3
65°	48.6	44.1	28.4	18.9	18.5	10.8	9.0	10.8	11.3	10.4	9.5
67.5°	42.3	37.8	24.8	15.3	17.1	8.6	6.8	9.0	12.2	9.5	8.6
70°	36.0	31.5	19.4	12.2	18.0	5.9	5.4	8.1	14.4	10.4	8.1
72.5°	27.9	24.3	13.5	9.0	19.4	4.1	4.1	6.8	16.2	11.3	7.7
75°	19.4	15.8	8.1	5.4	15.8	2.7	2.7	6.3	15.3	10.4	7.2
77.5°	11.3	8.6	2.7	0.5	8.1	0.0	0.5	4.5	10.8	6.3	3.2
80°	4.1	1.8	0.0	0.0	5.0	0.0	0.0	0.0	0.9	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: P324597

CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9
2.5°	2628.0	2688.8	2743.3	2825.8	2923.5	3036.1	3132.9	3237.0	3334.7	3375.2	3403.2
5°	2013.7	2088.9	2176.7	2297.9	2459.1	2657.8	2843.8	3054.1	3280.2	3393.2	3499.5
7.5°	1423.7	1500.3	1609.2	1738.1	1933.1	2169.5	2412.7	2703.2	3009.5	3188.3	3364.4
10°	1023.7	1117.9	1219.7	1395.8	1593.9	1818.2	2068.6	2392.9	2734.3	2932.5	3144.6
12.5°	696.8	803.9	958.0	1155.3	1388.1	1607.9	1825.4	2134.9	2531.2	2727.6	2955.0
15°	418.0	477.4	640.5	868.8	1154.4	1428.2	1666.4	1976.8	2399.2	2639.7	2876.2
17.5°	257.6	285.1	373.8	561.2	861.1	1207.5	1534.0	1923.2	2418.1	2710.9	2964.0
20°	205.4	216.2	244.6	331.5	570.6	964.3	1385.0	1912.4	2572.6	2932.9	3204.5
22.5°	178.4	188.7	207.6	241.0	359.0	722.0	1243.5	1922.3	2794.2	3265.8	3582.9
25°	157.2	166.2	184.2	211.7	263.0	508.5	1092.2	1966.4	3082.9	3678.8	4015.7
27.5°	140.5	148.2	164.8	190.1	225.6	354.9	920.6	2020.0	3425.2	4101.3	4433.6
30°	125.2	132.0	146.8	170.2	195.9	272.9	732.3	2056.5	3768.0	4433.6	4732.3
32.5°	112.1	117.1	130.6	150.4	170.2	217.5	556.7	2050.6	4022.4	4710.2	4947.1
35°	98.6	103.6	115.3	132.4	148.2	179.7	437.8	1941.2	4244.0	4997.1	5193.0
37.5°	83.8	90.1	101.3	116.7	127.5	158.1	354.0	1809.2	4468.8	5325.0	5467.3
40°	71.2	77.5	87.4	104.0	110.8	150.0	272.0	1648.4	4721.4	5691.6	5768.2
42.5°	59.0	64.9	75.2	89.6	104.5	129.3	201.3	1464.7	4964.2	6005.1	6042.4
45°	47.7	53.6	64.4	78.8	111.7	107.2	155.8	1267.9	5160.1	6265.8	6278.0
47.5°	37.8	43.2	54.5	74.3	104.0	85.6	111.2	1113.4	5324.5	6469.4	6437.4
50°	29.3	33.8	45.5	85.1	91.0	70.7	84.2	1062.0	5471.8	6595.5	6512.7
52.5°	23.0	27.0	37.4	79.7	70.7	58.6	70.7	1110.2	5673.6	6700.0	6555.0
55°	18.5	22.5	29.3	45.5	48.2	49.5	60.4	1155.3	6021.7	6945.0	6805.0
57.5°	15.3	19.4	23.9	32.0	36.5	41.9	53.6	1160.2	6432.0	7352.2	7219.8
59°	14.0	17.6	21.6	28.4	32.0	38.3	50.4	1133.2	6576.6	7500.4	7434.2
60°	13.1	16.7	20.3	26.1	29.7	36.0	48.6	1107.5	6582.9	7495.0	7525.6
62.5°	11.3	14.9	18.0	22.1	25.2	30.6	43.7	1012.5	6316.3	7249.5	7470.6
65°	9.9	13.1	16.2	18.9	21.6	27.5	39.6	839.1	5860.9	6853.6	7094.6
67.5°	9.0	11.3	14.9	16.7	19.4	24.3	35.1	598.1	5292.1	6369.4	6525.7
70°	8.1	10.8	13.5	15.3	17.6	21.2	30.2	343.6	4468.8	5660.5	5771.8
72.5°	7.7	10.4	12.2	14.4	15.8	18.9	27.5	161.7	3272.1	4534.5	4825.0
75°	6.8	9.5	11.3	13.5	14.9	17.1	23.4	77.5	2176.3	3281.5	3611.7
77.5°	4.1	7.7	10.4	12.2	13.1	14.9	19.4	44.6	1389.0	2271.3	2675.3
80°	0.0	2.7	7.7	10.4	11.3	12.6	14.9	35.1	743.1	1297.6	1557.5
82.5°	0.0	0.0	5.4	8.1	7.7	8.6	11.3	22.1	335.1	848.1	955.7
85°	0.0	0.0	1.8	6.3	5.4	4.1	7.7	7.7	73.4	429.2	535.5
87.5°	0.0	0.0	0.0	0.5	2.7	1.8	3.2	0.9	0.5	32.0	129.7
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: P324597

CATALOG NUMBER: GAN-SA3B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9	3096.9
2.5°	3500.9	3534.2	3590.5	3617.1	3604.0	3548.6	3482.4	3414.9	3375.2	3391.0
5°	3716.2	3887.8	3986.9	4019.7	3964.8	3840.5	3677.9	3463.5	3387.4	3366.7
7.5°	3716.2	4039.1	4243.6	4279.6	4157.1	3913.4	3608.5	3273.9	3162.6	3122.1
10°	3585.6	4025.1	4310.2	4367.4	4196.3	3831.9	3423.4	3041.5	2909.5	2867.6
12.5°	3438.3	3911.6	4212.1	4290.9	4150.4	3750.9	3295.1	2884.3	2728.9	2692.4
15°	3347.8	3772.0	4020.6	4077.8	4018.4	3703.6	3264.4	2837.0	2654.2	2619.0
17.5°	3380.2	3663.9	3753.6	3786.9	3827.0	3686.9	3347.8	2940.6	2709.1	2675.8
20°	3502.2	3550.0	3503.6	3545.5	3653.6	3703.1	3546.4	3191.0	2913.1	2868.5
22.5°	3709.4	3491.0	3360.8	3377.5	3509.0	3756.7	3849.9	3548.6	3228.0	3172.1
25°	3950.8	3538.7	3281.5	3266.7	3401.8	3827.4	4127.4	3937.8	3600.4	3538.7
27.5°	4254.4	3645.9	3265.3	3250.5	3364.4	3893.6	4358.0	4322.4	3992.7	3887.3
30°	4488.6	3751.3	3313.5	3279.3	3401.8	3939.6	4543.1	4648.9	4305.3	4235.5
32.5°	4656.6	3875.6	3391.9	3342.4	3507.2	4018.8	4685.9	4948.0	4594.4	4488.6
35°	4784.5	4010.7	3518.5	3436.9	3652.2	4139.1	4819.6	5266.4	4902.1	4786.3
37.5°	4904.3	4200.3	3716.2	3618.9	3879.7	4332.8	4961.1	5627.6	5246.2	5107.9
40°	5071.4	4415.2	4021.1	3934.6	4262.0	4596.7	5137.6	6004.2	5637.5	5463.7
42.5°	5238.5	4645.8	4333.2	4356.6	4739.0	4917.4	5365.5	6402.3	6024.0	5838.4
45°	5391.2	4883.6	4777.7	4885.8	5181.7	5269.1	5592.1	6632.5	6332.5	6153.2
47.5°	5527.2	5180.8	5219.6	5507.4	5685.3	5587.5	5761.4	6831.1	6562.2	6404.1
50°	5685.3	5565.5	5801.9	6209.1	6264.9	5875.8	5915.4	7066.2	6830.6	6703.6
52.5°	5858.2	5970.8	6446.9	6805.9	6787.8	6188.8	6070.4	7329.7	7198.6	7079.2
55°	6054.6	6298.3	7014.8	7364.3	7349.0	6538.3	6327.1	7655.3	7659.8	7551.7
57.5°	6346.0	6580.2	7400.4	7816.1	7841.8	6941.9	6762.2	8020.1	8076.9	8004.8
59°	6555.0	6763.1	7553.1	8004.8	8109.3	7254.0	7080.1	8231.8	8194.4	8128.7
60°	6709.9	6879.3	7628.7	8103.4	8264.7	7465.7	7314.8	8356.1	8208.4	8128.7
62.5°	7093.2	7132.4	7765.2	8215.1	8443.5	7935.9	7975.1	8567.8	8111.5	7981.4
65°	7272.0	7292.3	7763.4	8015.2	8270.5	8302.1	8574.1	8574.1	7875.1	7675.1
67.5°	7197.2	7099.5	7378.3	7352.2	7607.1	8084.5	8799.3	8259.7	7422.9	7164.4
70°	6589.2	6213.1	6089.3	6100.5	6295.6	7032.0	8353.4	7334.6	6567.1	6264.9
72.5°	5482.6	4580.5	4274.7	4623.7	4674.6	5404.2	7118.9	5523.6	4843.1	4559.8
75°	4409.8	3228.9	2731.6	3100.0	3186.5	3954.9	5506.9	3440.1	2828.9	2608.2
77.5°	3168.0	2317.7	1960.1	1934.4	2046.1	2508.2	3907.6	1731.3	1444.0	1347.6
80°	1799.8	1525.5	1642.6	1549.8	1606.1	1568.3	1856.5	759.4	622.0	581.5
82.5°	1086.3	901.7	976.4	813.0	1028.7	895.8	715.2	243.2	211.2	200.9
85°	706.7	492.7	256.7	172.0	354.5	572.4	159.9	66.2	50.9	40.5
87.5°	243.7	125.7	12.6	5.4	37.8	106.7	5.9	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

(END OF REPORT)