

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: P324067

Luminaire Tested: **GAN-SA3A-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324067
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-SA3A-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 615mA 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: 8821 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

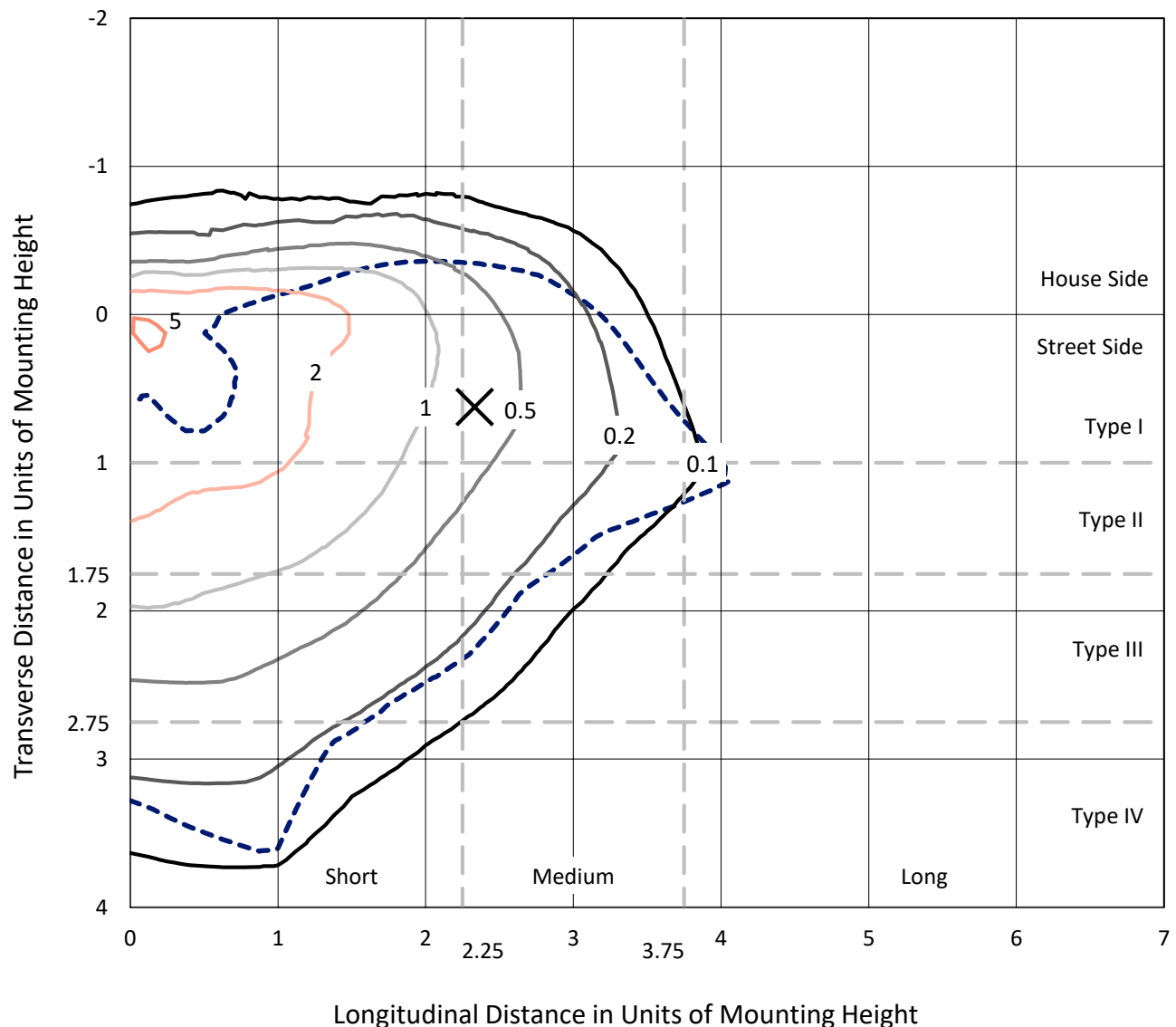
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324067
 CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

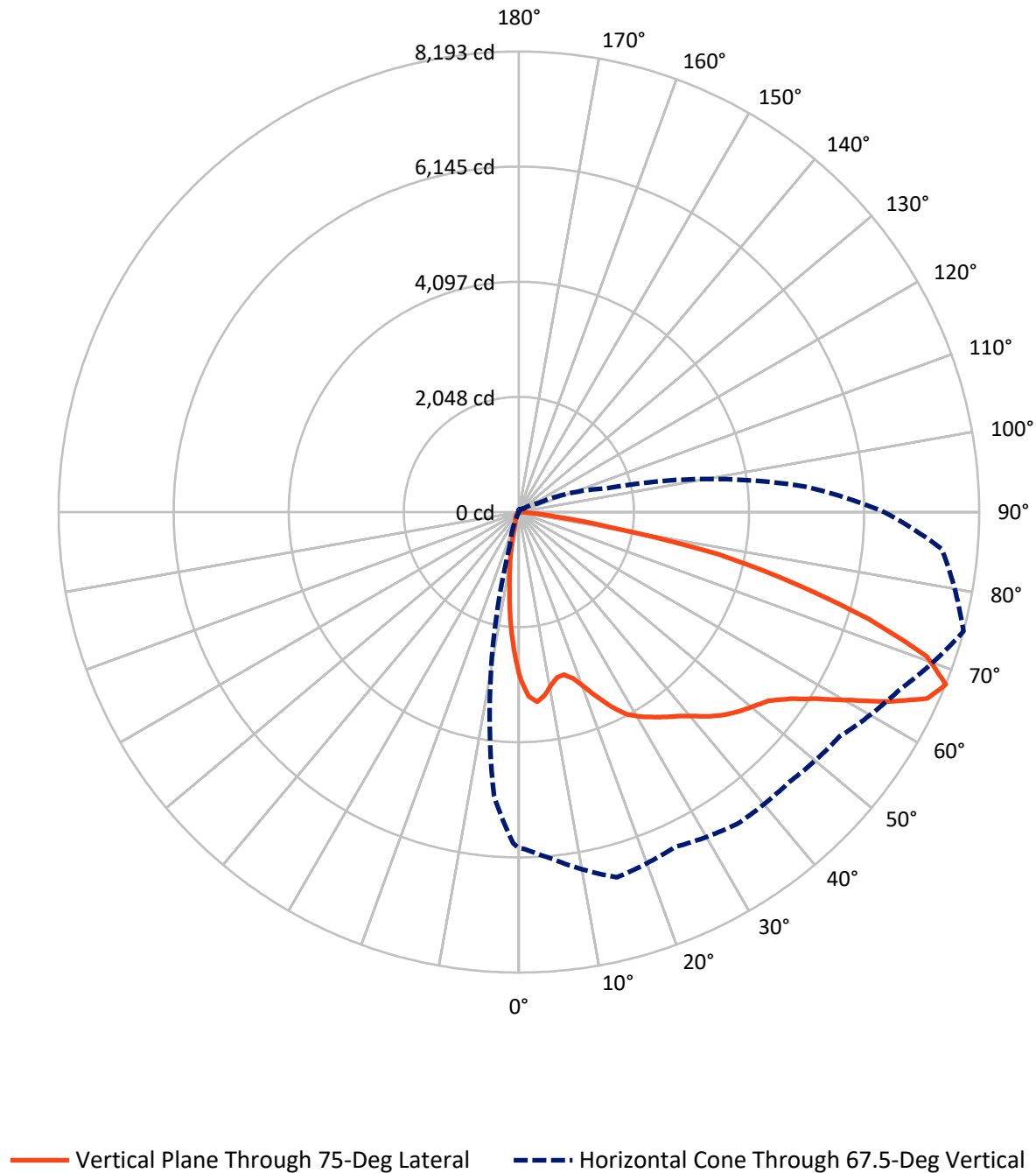
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P324067
CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324067

CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

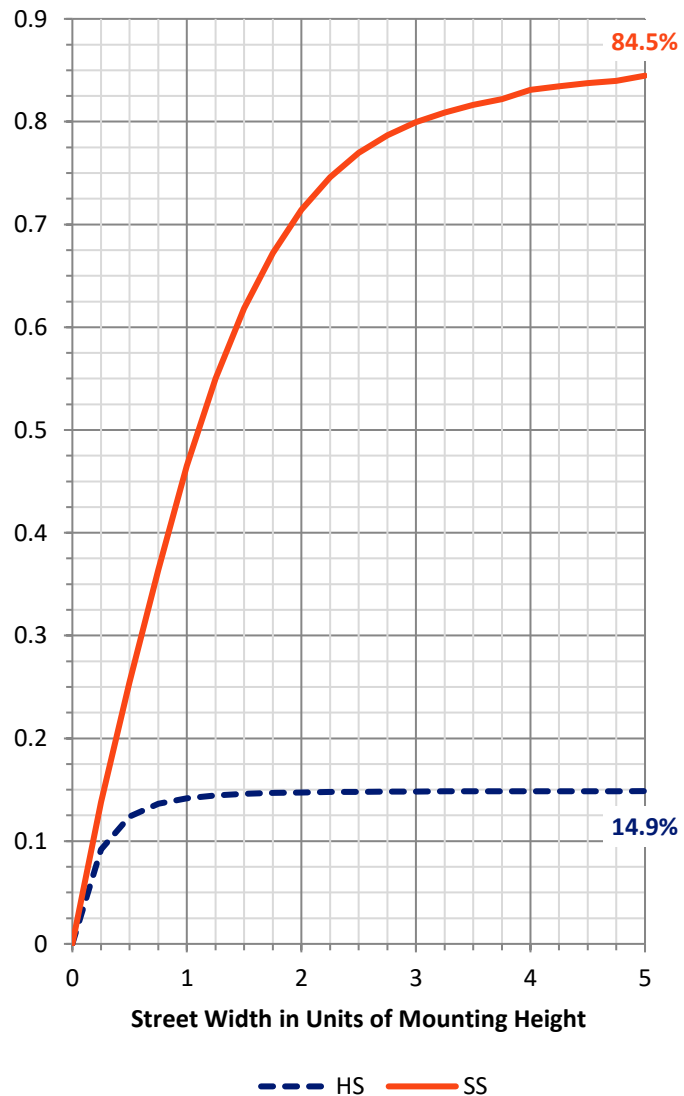
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1323.7	0.0	1323.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	7497.3	0.0	7497.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	8821.0	0.0	8821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	2.5
10°-20°	442.0	5.0
20°-30°	625.3	7.1
30°-40°	919.4	10.4
40°-50°	1321.4	15.0
50°-60°	1860.2	21.1
60°-70°	2172.6	24.6
70°-80°	1108.4	12.6
80°-90°	147.2	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°	8821.0	100.0
0°-180°	8821.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324067

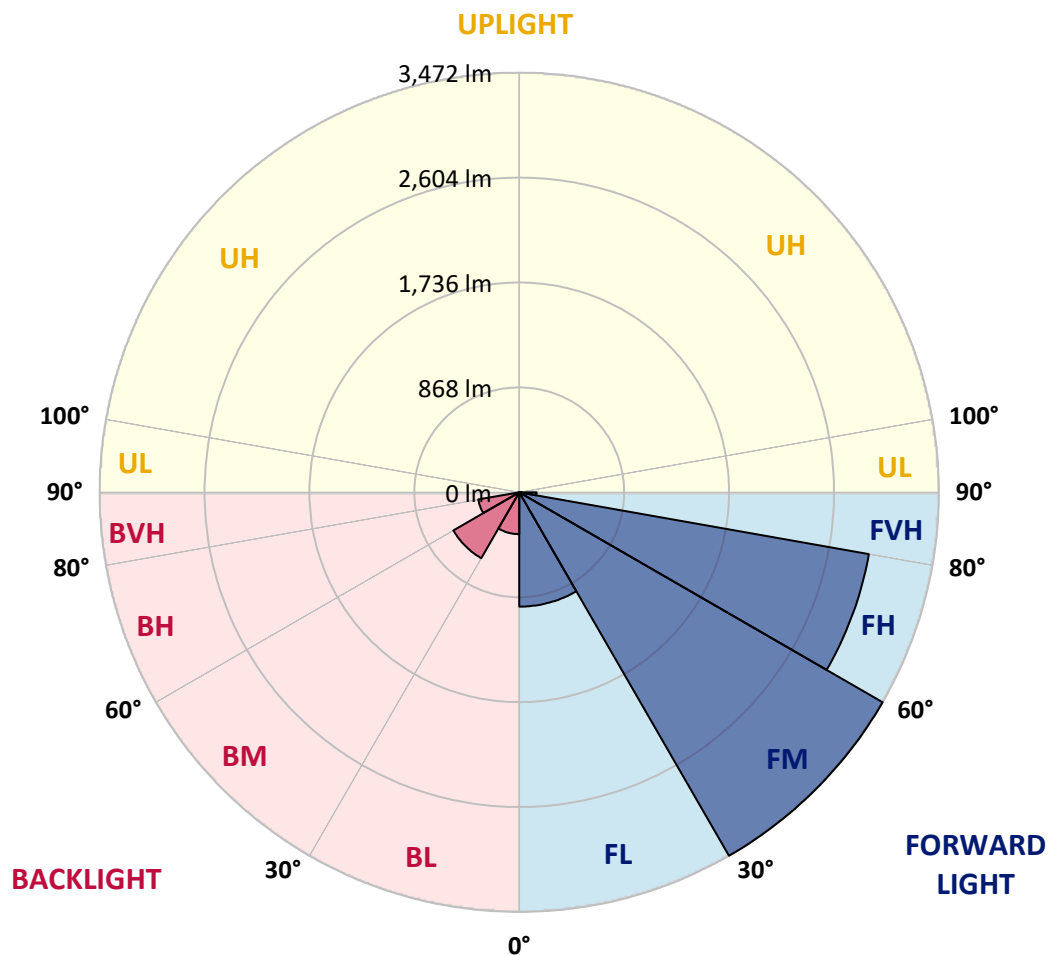
CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.6	10.7			
FM	(30°-60°)	3471.8	39.4			
FH	(60°-80°)	2937.1	33.3			G2/5000
FVH	(80°-90°)	142.8	1.6			G2/225
BL	(0°-30°)	346.2	3.9	B1/500		
BM	(30°-60°)	629.2	7.1	B1/1000		
BH	(60°-80°)	343.8	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: P324067

CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3
2.5°	3207.9	3212.9	3238.8	3299.0	3364.6	3369.6	3413.9	3368.4	3352.9	3279.4	3203.3
5°	3232.2	3251.4	3340.4	3517.1	3670.5	3719.8	3754.9	3665.5	3571.5	3391.8	3200.0
7.5°	3037.0	3069.2	3209.2	3541.0	3815.1	3936.3	3959.2	3819.3	3589.0	3293.2	3004.8
10°	2787.1	2823.9	2992.7	3400.6	3777.0	3984.7	4016.5	3833.0	3502.1	3133.5	2793.8
12.5°	2584.9	2627.9	2800.5	3242.6	3646.3	3876.1	3938.8	3786.7	3426.9	3020.3	2649.7
15°	2491.7	2541.0	2722.4	3140.6	3501.3	3682.2	3734.0	3668.4	3385.1	3002.3	2616.2
17.5°	2545.2	2598.7	2785.9	3149.4	3365.0	3442.3	3484.1	3510.9	3385.1	3110.6	2714.0
20°	2764.6	2822.2	3020.3	3238.4	3252.2	3223.4	3268.1	3362.1	3424.4	3316.1	2948.8
22.5°	3067.9	3135.6	3359.2	3390.9	3197.1	3088.0	3093.8	3241.4	3495.8	3576.9	3274.8
25°	3437.7	3520.5	3747.8	3618.3	3220.0	3007.3	3005.3	3141.9	3565.6	3838.1	3637.9
27.5°	3805.0	3896.1	4095.9	3895.7	3314.9	2992.7	2988.5	3111.8	3633.7	4070.4	4034.5
30°	4113.0	4201.6	4373.8	4096.7	3417.3	3027.0	3006.9	3144.0	3674.3	4221.2	4323.6
32.5°	4363.7	4434.8	4573.9	4235.0	3526.8	3093.4	3050.0	3230.1	3743.2	4348.7	4589.4
35°	4639.5	4714.3	4769.9	4366.7	3649.6	3189.1	3126.9	3366.7	3849.3	4478.2	4880.6
37.5°	4954.2	5028.5	5021.9	4487.0	3805.5	3347.5	3307.8	3583.2	4014.4	4606.5	5205.7
40°	5262.1	5338.2	5283.9	4618.6	3988.5	3608.7	3579.4	3908.3	4235.4	4770.7	5586.8
42.5°	5550.5	5632.8	5516.6	4743.1	4206.6	3937.9	3988.1	4327.0	4512.1	4973.0	5915.2
45°	5782.8	5866.8	5711.7	4864.3	4436.4	4337.4	4488.2	4790.8	4844.7	5143.9	6137.1
47.5°	5951.6	6031.0	5847.1	4985.5	4730.6	4825.9	5088.7	5277.2	5145.1	5292.2	6294.7
50°	6059.4	6121.3	5886.8	5137.2	5116.7	5395.8	5714.3	5806.2	5428.0	5425.9	6486.0
52.5°	6127.9	6155.9	5916.1	5295.6	5519.5	6016.4	6326.8	6355.7	5719.3	5573.0	6743.9
55°	6364.0	6386.6	6123.3	5487.4	5852.6	6560.0	6880.9	6854.2	6049.0	5860.9	7048.1
57.5°	6766.8	6790.7	6551.6	5763.1	6122.1	6896.0	7282.5	7330.5	6435.5	6265.4	7374.0
60°	6969.1	7013.4	6928.1	6112.5	6383.3	7110.7	7556.2	7709.5	6918.5	6798.6	7689.9
62.5°	6785.7	6850.0	6973.7	6499.8	6642.7	7229.0	7641.4	7845.3	7413.3	7420.0	7884.6
65°	6419.6	6471.0	6680.8	6712.1	6793.2	7214.4	7430.8	7655.6	7716.2	7990.8	7874.2
67.5°	5977.5	5996.7	6174.7	6728.8	6575.0	6774.8	6798.2	6964.5	7476.8	8193.0	7557.9
70°	5341.1	5351.6	5507.0	6169.3	5650.3	5694.2	5659.5	5693.4	6428.0	7700.4	6759.3
72.5°	4298.5	4324.9	4545.9	5123.4	4116.4	3989.7	4262.2	4247.1	4950.4	6505.7	5020.2
75°	3164.9	3210.4	3544.3	4126.8	2889.1	2613.3	2812.2	2865.3	3519.2	5032.3	3139.4
77.5°	2215.9	2249.8	2573.2	3033.7	2091.0	1868.7	1796.8	1859.9	2322.9	3640.4	1581.6
80°	1276.6	1289.1	1495.5	1751.7	1409.0	1612.1	1460.4	1503.9	1391.9	1619.6	680.3
82.5°	835.3	837.4	918.0	1042.6	877.5	1019.6	754.7	964.8	856.2	650.6	221.5
85°	451.3	453.8	532.4	740.0	496.8	280.8	165.1	338.9	529.4	149.2	60.6
87.5°	49.7	45.5	160.5	269.1	137.9	25.5	8.8	38.0	84.8	9.6	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: P324067

CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3
2.5°	3164.5	3129.8	3043.3	2951.8	2878.2	2809.3	2739.9	2655.1	2589.5	2576.1	2554.4
5°	3096.8	2986.9	2805.5	2623.3	2476.7	2291.6	2174.1	2082.6	1993.2	1987.8	1969.8
7.5°	2860.3	2715.7	2460.4	2208.4	2002.0	1825.6	1647.6	1528.5	1434.9	1401.9	1382.3
10°	2632.9	2470.4	2151.6	1864.1	1679.8	1523.9	1398.6	1274.1	1161.2	1083.5	1048.4
12.5°	2474.2	2294.5	1943.1	1695.3	1563.2	1415.3	1262.4	1106.9	977.0	883.4	826.1
15°	2412.7	2220.9	1873.3	1628.4	1465.4	1278.2	1082.7	905.1	760.9	676.1	624.7
17.5°	2485.9	2262.7	1867.8	1546.9	1319.2	1086.4	870.4	660.6	524.8	460.5	427.5
20°	2671.4	2395.6	1865.8	1447.1	1145.4	859.1	589.6	434.6	352.3	316.3	300.9
22.5°	2933.8	2565.3	1882.5	1348.4	964.4	613.8	407.0	319.2	277.0	257.8	249.0
25°	3271.4	2803.4	1929.7	1259.0	794.4	458.0	317.2	267.4	237.8	222.7	216.5
27.5°	3631.2	3077.5	2003.2	1181.3	656.0	365.2	271.6	229.0	207.7	197.2	191.4
30°	3927.9	3395.1	2077.6	1094.8	555.8	318.4	248.6	208.9	184.3	177.6	172.2
32.5°	4187.4	3635.4	2130.3	1016.7	490.2	282.9	224.8	186.8	170.1	157.1	151.3
35°	4456.1	3835.6	2128.6	961.9	445.0	256.1	204.8	167.1	147.1	132.0	127.4
37.5°	4746.9	4061.6	2092.2	915.1	425.4	234.8	193.5	156.7	136.6	121.6	115.7
40°	5087.5	4299.0	2055.0	871.2	420.0	217.7	185.5	148.3	127.0	112.4	106.6
42.5°	5419.2	4512.9	2022.4	838.6	396.6	217.3	178.4	142.1	119.5	105.3	98.6
45°	5684.6	4712.2	2016.2	819.0	371.9	224.8	174.7	137.9	113.7	99.5	93.2
47.5°	5905.2	4928.7	2056.3	805.2	348.5	205.2	183.9	135.0	108.2	94.4	87.3
50°	6167.6	5194.4	2150.7	782.7	323.8	184.7	210.6	135.8	103.6	89.4	81.9
52.5°	6533.7	5562.2	2289.5	744.6	290.0	165.9	207.3	136.6	98.6	84.0	76.5
55°	6944.0	6021.4	2438.6	681.5	242.8	141.2	177.6	130.8	89.0	78.1	71.0
57.5°	7375.3	6438.0	2527.2	606.3	193.1	122.0	142.1	119.1	78.6	70.2	65.6
60°	7442.9	6596.4	2486.7	514.0	153.4	106.1	105.3	121.2	70.2	61.8	58.5
62.5°	7274.5	6397.5	2290.7	431.7	128.3	93.2	86.5	105.7	63.5	55.2	51.8
65°	6950.7	5859.7	1973.1	389.0	119.1	79.8	71.9	74.4	55.6	48.1	45.1
67.5°	6500.3	5141.8	1620.0	364.8	117.8	68.5	61.4	56.4	48.1	41.8	39.3
70°	5579.3	4283.5	1292.4	351.4	114.5	57.7	51.8	46.0	40.1	35.5	33.4
72.5°	4106.3	3035.3	1005.4	336.8	115.3	46.0	45.1	38.0	32.2	27.6	26.7
75°	2372.6	1734.1	659.4	272.9	109.9	35.5	37.6	26.7	22.6	19.2	19.2
77.5°	1264.4	1057.6	251.1	113.7	40.1	22.6	21.3	15.9	14.2	11.7	11.3
80°	551.2	465.5	75.6	31.8	22.1	12.1	7.9	7.1	6.3	5.0	4.6
82.5°	195.1	168.4	24.7	15.5	9.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	44.3	31.8	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: P324067

CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3
2.5°	2510.1	2500.9	2446.6	2448.7	2458.3	2472.1	2439.5	2454.5	2495.1	2533.9	2548.5
5°	1941.0	1943.1	1910.0	1930.5	1948.9	1961.4	1908.8	1909.6	1941.8	1985.7	2008.7
7.5°	1367.7	1364.3	1366.0	1414.9	1449.6	1424.5	1444.1	1376.0	1380.2	1411.5	1388.1
10°	1016.7	970.7	944.8	981.6	1019.6	1005.8	971.9	949.8	965.3	999.9	997.4
12.5°	799.0	732.9	694.1	667.7	699.1	673.2	672.3	653.1	632.2	636.0	691.6
15°	600.9	552.8	506.9	464.7	463.8	455.1	410.3	360.2	356.0	358.5	387.4
17.5°	413.3	397.0	378.2	341.8	332.2	295.4	252.0	231.9	221.9	226.5	236.1
20°	290.4	284.1	286.2	266.6	252.8	217.7	192.2	184.3	182.6	187.2	191.8
22.5°	240.7	229.4	228.2	219.4	205.6	180.1	166.3	161.7	159.6	163.8	167.1
25°	210.6	199.3	194.7	189.3	174.7	157.1	148.8	144.6	142.5	145.0	147.1
27.5°	185.5	175.1	170.9	167.1	152.9	140.4	133.7	130.0	128.3	129.1	131.2
30°	166.7	157.5	152.1	147.5	135.4	126.6	120.8	117.0	115.3	115.3	117.4
32.5°	147.1	142.1	137.1	131.2	119.9	114.1	108.2	104.0	102.4	102.8	104.5
35°	122.4	120.8	122.0	116.6	107.0	102.0	96.1	91.5	90.3	90.7	92.3
37.5°	108.6	101.1	105.7	102.8	97.4	90.7	83.2	79.0	76.9	78.1	79.0
40°	99.9	90.7	87.3	90.3	89.4	78.6	71.9	67.7	66.0	66.4	67.3
42.5°	92.3	81.5	74.0	73.5	78.6	68.5	61.4	57.7	55.6	55.6	56.4
45°	85.2	73.5	64.4	57.2	66.0	58.1	51.4	48.1	45.5	45.5	46.0
47.5°	79.8	66.9	56.0	46.8	49.7	47.6	42.2	38.9	36.4	36.4	36.8
50°	74.8	60.2	48.5	39.3	37.2	39.3	34.3	30.5	28.8	28.4	29.3
52.5°	69.4	53.5	41.4	33.4	29.3	29.7	26.7	24.2	22.1	22.1	23.0
55°	63.9	48.1	35.9	28.4	24.2	22.1	21.3	19.6	18.0	18.0	18.8
57.5°	58.5	42.2	30.5	23.4	19.2	17.6	17.6	16.3	15.0	15.0	15.9
60°	53.5	36.4	25.1	19.2	15.0	14.6	15.0	13.8	13.0	13.0	13.8
62.5°	47.6	30.9	20.5	15.9	12.1	11.7	13.0	12.1	11.3	11.3	12.1
65°	40.5	26.3	16.3	12.1	9.2	9.2	10.9	10.0	9.2	9.2	10.0
67.5°	34.3	22.1	12.5	8.8	6.7	7.1	9.2	8.4	7.9	7.9	8.8
70°	28.4	17.1	8.8	5.4	3.8	5.4	7.1	7.1	7.1	7.1	7.9
72.5°	21.3	11.7	5.0	2.1	1.7	3.8	5.9	6.7	6.3	6.3	7.5
75°	13.8	6.7	1.7	0.0	0.0	2.1	4.6	5.4	5.4	5.0	6.3
77.5°	7.9	2.1	0.0	0.0	0.0	0.0	2.9	2.5	2.1	1.7	2.9
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: P324067

CATALOG NUMBER: GAN-SA3A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3	2959.3
2.5°	2607.5	2656.8	2726.1	2799.7	2912.9	3002.8	3090.9	3166.6	3195.8	3207.9
5°	2063.8	2136.1	2237.6	2368.0	2572.4	2756.2	2942.6	3130.2	3211.7	3232.2
7.5°	1480.9	1573.2	1702.4	1865.8	2105.2	2343.4	2603.7	2879.1	3005.3	3037.0
10°	1096.1	1208.9	1356.8	1529.0	1757.5	2002.4	2286.1	2600.8	2744.9	2787.1
12.5°	777.6	930.2	1128.2	1337.6	1535.6	1754.2	2041.3	2388.1	2539.3	2584.9
15°	456.7	604.2	838.6	1119.0	1372.7	1594.1	1885.8	2279.0	2445.7	2491.7
17.5°	262.0	335.5	512.7	825.3	1169.6	1476.3	1836.9	2306.2	2502.6	2545.2
20°	200.2	223.6	295.4	531.5	932.2	1360.6	1836.9	2460.0	2701.9	2764.6
22.5°	175.1	192.2	221.5	317.2	686.1	1236.5	1858.2	2682.3	2998.6	3067.9
25°	155.4	170.9	196.0	238.6	468.0	1088.9	1908.8	2955.1	3347.9	3437.7
27.5°	139.1	153.8	176.3	208.9	320.1	910.9	1976.9	3275.2	3733.2	3805.0
30°	124.5	138.3	158.8	181.8	247.0	709.1	2035.0	3576.9	4035.7	4113.0
32.5°	110.7	123.3	141.7	158.8	202.2	524.4	2041.3	3815.9	4286.8	4363.7
35°	97.8	109.1	125.8	139.1	167.6	414.1	1943.9	4023.2	4538.0	4639.5
37.5°	85.2	96.1	110.7	120.8	147.5	337.6	1795.1	4254.2	4860.1	4954.2
40°	73.5	83.2	98.2	104.9	139.6	259.5	1633.4	4496.6	5176.0	5262.1
42.5°	62.7	71.9	86.5	99.5	122.4	193.9	1458.8	4723.9	5460.2	5550.5
45°	52.2	61.8	76.5	105.3	101.5	145.0	1272.0	4874.8	5684.6	5782.8
47.5°	42.2	53.1	73.1	100.3	81.1	106.6	1124.0	5017.7	5854.7	5951.6
50°	33.8	44.7	82.3	89.4	66.4	81.5	1062.2	5145.5	5966.2	6059.4
52.5°	27.6	37.6	77.7	68.5	55.6	67.3	1095.6	5352.8	6069.4	6127.9
55°	23.0	29.7	46.8	47.6	47.2	57.2	1137.0	5650.3	6336.5	6364.0
57.5°	20.1	23.8	32.6	36.8	39.7	51.0	1137.8	6077.4	6749.7	6766.8
60°	17.1	20.9	27.2	29.7	34.3	45.5	1096.5	6226.6	6912.3	6969.1
62.5°	15.0	18.4	22.6	24.7	28.8	41.0	999.5	6010.5	6689.1	6785.7
65°	13.4	16.7	18.8	20.9	25.5	36.8	839.9	5578.5	6318.9	6419.6
67.5°	11.7	14.6	16.7	18.8	23.0	32.6	618.4	5076.6	5893.9	5977.5
70°	10.4	13.0	15.0	16.7	20.1	27.6	375.2	4307.7	5306.4	5341.1
72.5°	10.0	11.7	13.8	15.0	17.6	24.2	190.1	3165.7	4242.1	4298.5
75°	8.8	10.4	12.5	13.4	15.5	20.9	77.3	2079.3	3074.2	3164.9
77.5°	7.1	9.6	11.3	12.1	13.4	17.1	39.3	1328.8	2157.4	2215.9
80°	2.5	7.1	9.6	10.0	11.3	12.5	25.9	727.5	1251.5	1276.6
82.5°	0.0	4.6	7.5	7.1	7.9	9.6	16.7	346.0	826.1	835.3
85°	0.0	2.1	5.9	4.6	3.3	6.7	5.9	75.6	433.3	451.3
87.5°	0.0	0.0	0.4	2.1	1.7	2.5	0.8	0.4	39.3	49.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)