

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: P320816

Luminaire Tested: **GAN-SA2D-830-U-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2D-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11086 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

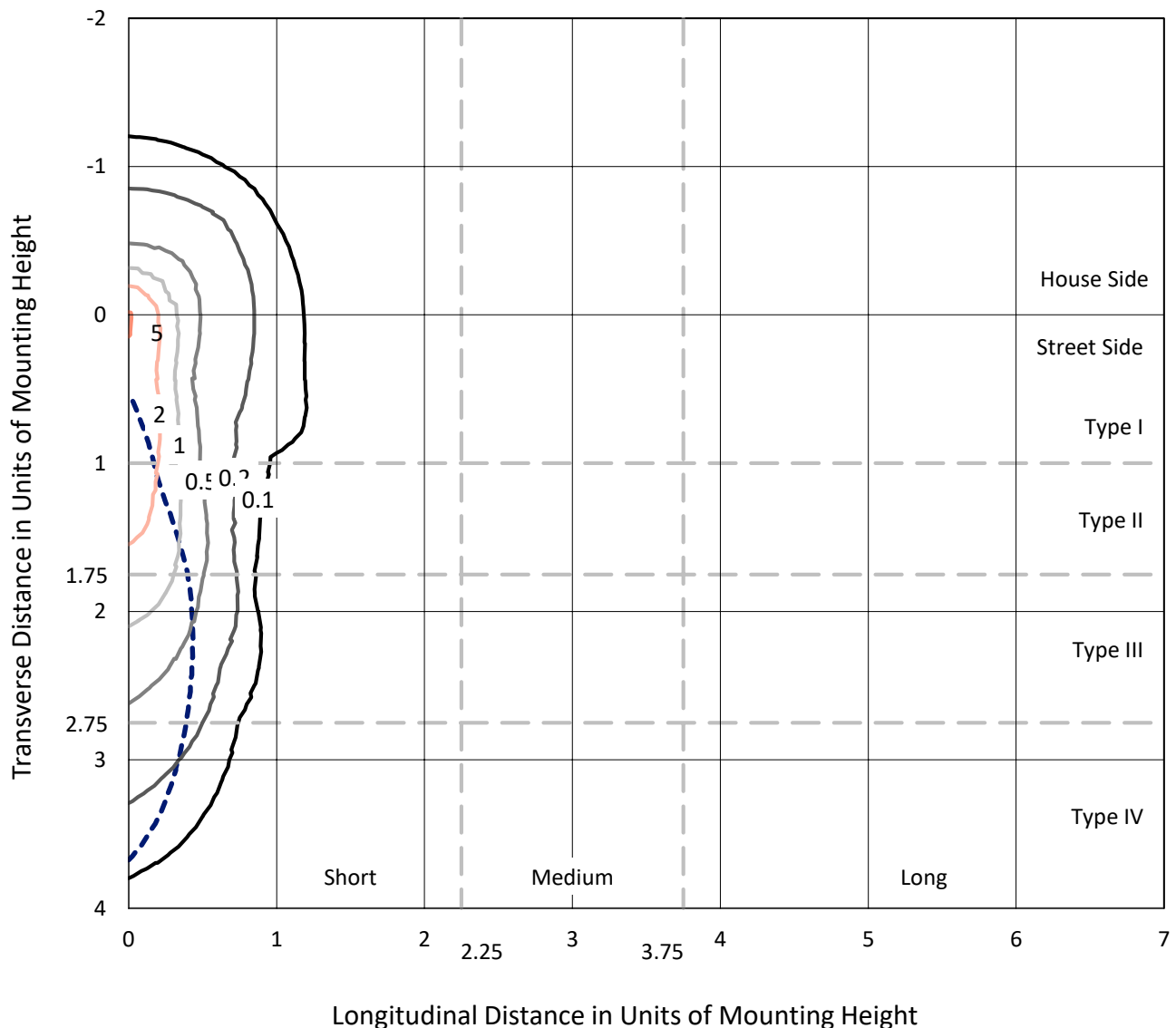
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

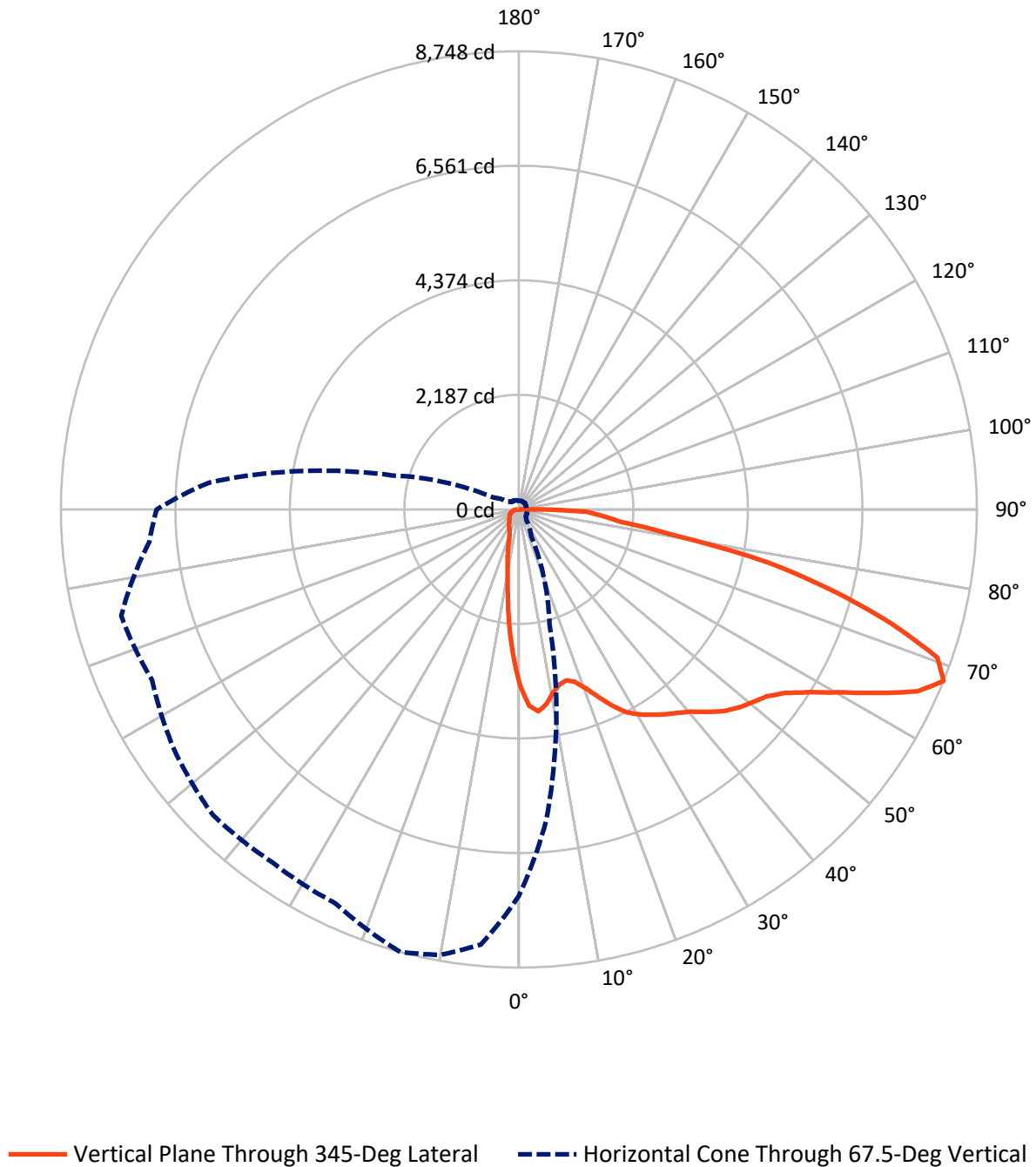
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P320816
CATALOG NUMBER: GAN-SA2D-830-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.5	0.0	1916.5
	% Fixture	17.3	0.0	17.3
Street Side	Lumens	9169.5	0.0	9169.5
	% Fixture	82.7	0.0	82.7
Total	Lumens	11086.0	0.0	11086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.7	2.4
10°-20°	541.5	4.9
20°-30°	770.1	6.9
30°-40°	1109.7	10.0
40°-50°	1563.9	14.1
50°-60°	2174.2	19.6
60°-70°	2629.2	23.7
70°-80°	1616.1	14.6
80°-90°	420.5	3.8
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°	11086.0	100.0
0°-180°	11086.0	100.0

Coefficient of Utilization



REPORT NUMBER: P320816

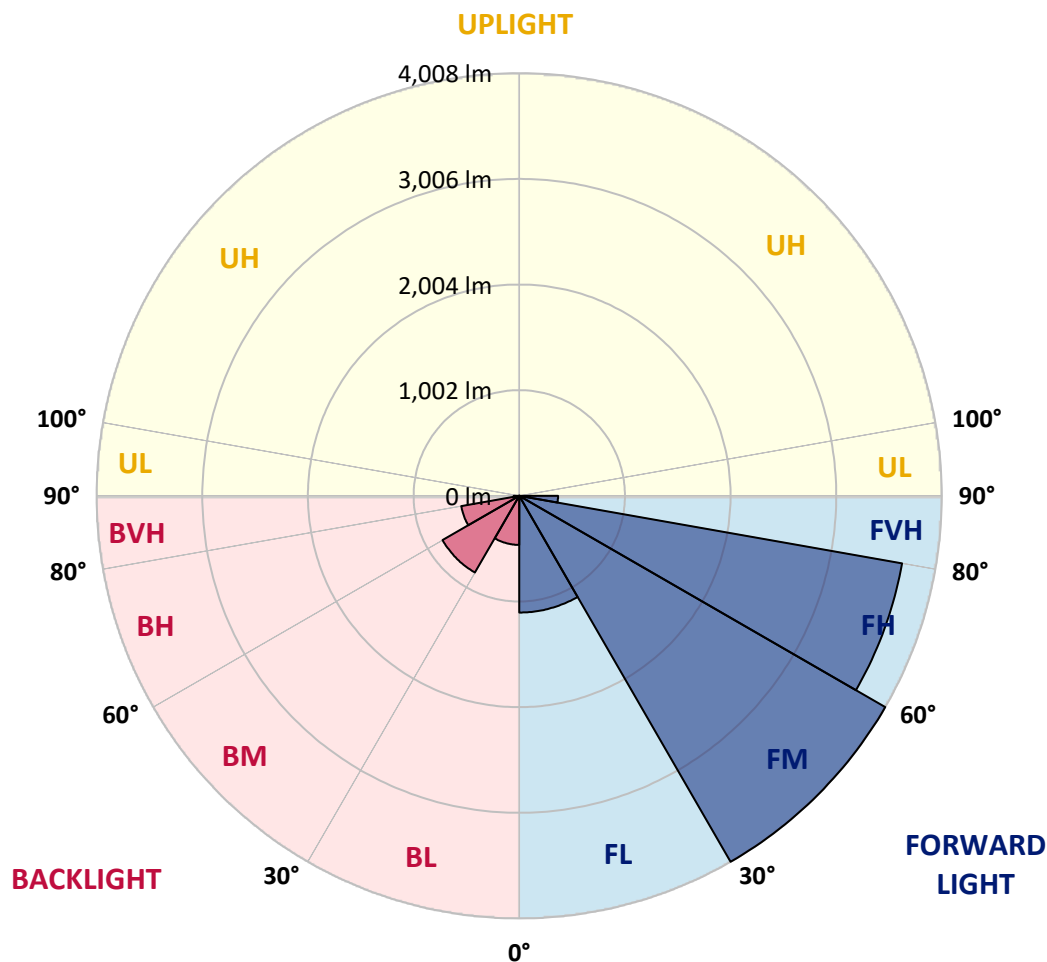
CATALOG NUMBER: GAN-SA2D-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1107.0	10.0			
FM	(30°-60°)	4007.9	36.2			
FH	(60°-80°)	3686.8	33.3			G2/5000
FVH	(80°-90°)	367.8	3.3			G3/500
BL	(0°-30°)	465.3	4.2	B1/500		
BM	(30°-60°)	840.0	7.6	B1/1000		
BH	(60°-80°)	558.5	5.0	B2/1000		G2/1000
BVH	(80°-90°)	52.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium





REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4
2.5°	3618.1	3586.2	3537.9	3489.6	3453.7	3417.3	3376.1	3334.9	3287.9	3240.5	3212.5
5°	3558.3	3469.6	3354.4	3239.1	3162.9	3086.7	3000.2	2913.8	2828.3	2742.7	2696.6
7.5°	3288.8	3155.8	3006.0	2856.2	2745.4	2634.1	2514.5	2394.3	2288.0	2181.1	2115.1
10°	3023.7	2864.2	2692.2	2519.8	2377.9	2236.1	2116.0	1995.4	1915.2	1835.0	1774.3
12.5°	2833.6	2656.7	2467.5	2277.8	2135.9	1994.1	1917.9	1841.6	1775.1	1708.7	1638.6
15°	2758.2	2558.3	2364.6	2170.5	2041.5	1912.5	1827.9	1742.8	1653.7	1564.2	1478.2
17.5°	2824.7	2590.7	2380.2	2169.6	2000.7	1831.9	1713.5	1594.7	1477.3	1359.8	1260.1
20°	3032.1	2733.4	2458.2	2182.5	1957.8	1733.0	1574.4	1415.2	1264.5	1113.8	1000.8
22.5°	3323.4	2928.0	2568.5	2209.1	1918.8	1628.0	1429.0	1229.5	1051.3	873.2	762.4
25°	3677.1	3186.0	2727.6	2268.9	1902.8	1536.2	1291.6	1046.9	859.0	670.6	591.7
27.5°	4049.8	3493.6	2925.3	2356.7	1905.5	1454.2	1175.9	897.1	727.8	558.5	504.4
30°	4360.5	3845.0	3155.8	2466.1	1915.6	1365.2	1066.9	768.6	628.9	489.3	454.3
32.5°	4644.6	4090.1	3329.6	2568.5	1927.2	1285.4	982.6	679.5	565.6	451.2	422.4
35°	4938.0	4307.8	3451.0	2593.8	1907.2	1220.2	925.0	629.8	524.8	419.3	394.9
37.5°	5261.2	4543.1	3568.0	2592.5	1873.5	1154.6	880.3	605.5	498.2	390.5	372.8
40°	5621.5	4803.3	3694.8	2586.3	1843.0	1099.2	847.0	594.4	483.6	372.3	357.2
42.5°	5973.9	5051.5	3812.7	2573.8	1818.1	1062.0	814.2	566.5	470.3	373.6	352.4
45°	6238.5	5268.3	3915.1	2561.4	1799.5	1037.6	788.5	539.4	457.9	376.3	349.3
47.5°	6439.3	5485.9	4028.5	2570.7	1797.7	1024.8	770.3	515.9	434.4	352.4	341.3
50°	6694.6	5747.4	4193.9	2640.3	1822.1	1003.9	749.1	493.8	411.8	329.8	344.8
52.5°	7012.4	6120.6	4450.0	2779.1	1873.1	967.1	715.4	463.6	384.3	304.5	328.0
55°	7479.1	6598.8	4777.6	2955.9	1934.7	913.1	664.4	415.3	347.9	280.1	301.0
57.5°	7897.9	7082.0	5091.8	3101.3	1973.3	844.8	600.1	355.5	307.2	258.8	270.8
60°	8084.5	7331.1	5239.0	3146.5	1950.2	753.9	527.9	301.4	271.3	241.1	238.9
62.5°	8011.9	7172.8	5094.1	3015.3	1837.6	660.0	464.1	268.2	245.6	222.5	217.6
65°	7799.1	6675.5	4688.1	2700.6	1647.5	594.4	423.7	253.1	227.8	202.6	197.2
67.5°	7379.8	5967.7	4112.7	2257.8	1405.9	554.0	400.7	247.3	216.7	185.7	179.5
70°	6627.2	5115.8	3450.1	1784.0	1156.8	529.2	385.6	242.0	204.8	167.1	161.3
72.5°	5443.3	4101.7	2755.1	1408.1	967.1	526.1	383.8	241.6	195.0	148.5	143.2
75°	3897.3	3115.5	2103.1	1090.4	792.1	493.8	364.3	234.9	181.7	128.1	123.2
77.5°	2622.6	2156.3	1461.8	766.8	587.7	408.7	306.3	203.9	155.6	107.3	102.4
80°	1684.3	1492.4	979.5	466.7	381.2	295.6	219.0	142.3	113.5	84.2	80.2
82.5°	1235.7	1110.7	680.8	250.9	211.9	172.4	133.9	95.3	77.6	59.8	58.1
85°	785.4	866.1	501.3	136.5	111.7	86.9	71.8	56.7	44.8	32.8	32.8
87.5°	152.5	211.0	138.7	66.0	48.3	30.6	26.2	21.3	12.0	2.2	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4
2.5°	3184.2	3153.6	3123.0	3088.4	3053.4	3021.1	2988.3	2952.4	2959.0	2931.5	2904.1
5°	2650.5	2601.8	2552.6	2510.0	2467.5	2430.7	2393.5	2360.2	2389.0	2369.5	2350.0
7.5°	2048.6	1988.3	1927.6	1876.6	1825.7	1786.2	1746.3	1718.9	1747.2	1743.7	1740.1
10°	1713.5	1655.0	1596.1	1539.8	1483.5	1435.6	1387.3	1346.5	1339.4	1319.1	1298.2
12.5°	1568.2	1487.9	1407.3	1348.3	1289.4	1232.2	1175.0	1127.1	1105.4	1071.7	1037.6
15°	1392.2	1297.3	1202.5	1135.6	1068.2	1012.8	956.9	915.7	902.0	875.8	849.7
17.5°	1160.4	1056.7	952.9	885.1	816.9	772.6	727.8	700.3	700.3	692.8	685.2
20°	887.8	795.2	702.5	650.7	598.8	575.3	551.4	539.9	543.4	543.8	543.8
22.5°	651.1	594.4	537.6	516.8	495.5	487.1	478.7	473.8	475.6	476.0	476.5
25°	512.8	491.1	468.9	458.3	447.2	441.9	436.6	434.8	438.8	439.2	439.2
27.5°	450.3	437.0	423.3	416.6	409.5	407.3	405.1	402.0	406.0	406.0	405.6
30°	418.9	404.7	390.5	382.1	373.6	374.5	375.0	374.1	376.7	378.5	379.8
32.5°	393.1	379.4	365.7	357.2	348.4	347.1	345.7	344.8	350.6	353.7	356.8
35°	370.1	355.0	340.0	332.0	324.0	320.9	317.8	315.6	320.9	324.9	328.9
37.5°	354.6	339.1	323.1	315.6	307.6	303.6	299.6	297.0	299.2	301.0	302.7
40°	342.2	326.2	309.8	301.0	292.1	288.1	284.1	281.9	283.2	283.7	284.1
42.5°	330.7	315.1	299.6	289.9	279.7	274.8	269.9	267.3	268.2	269.0	269.5
45°	322.2	306.7	290.8	279.2	267.3	262.0	256.6	253.5	254.0	254.0	254.0
47.5°	330.2	307.6	284.6	271.3	257.5	251.3	245.1	242.0	241.1	240.2	239.3
50°	359.5	320.9	281.9	265.1	247.8	241.1	234.0	230.5	228.3	227.4	226.5
52.5°	351.0	317.8	284.1	262.4	240.2	232.3	224.3	218.5	216.3	215.0	213.6
55°	321.3	300.5	279.2	253.1	226.9	219.8	212.3	208.3	204.3	203.4	202.6
57.5°	282.3	273.9	265.5	238.9	212.3	205.7	198.6	195.9	192.4	192.4	191.9
60°	236.2	248.7	261.1	230.5	199.5	191.9	184.4	182.2	180.8	180.4	180.0
62.5°	212.3	232.7	252.6	220.3	187.5	179.5	171.5	168.9	168.4	168.9	168.9
65°	191.9	198.1	204.3	189.3	174.2	166.2	157.8	155.1	156.0	157.3	158.7
67.5°	173.3	172.0	170.6	165.3	159.6	152.9	145.8	143.2	143.6	145.4	147.2
70°	155.6	153.8	151.6	147.6	143.6	137.8	132.1	130.3	129.9	132.1	133.9
72.5°	137.8	135.6	133.0	129.9	126.3	121.4	116.6	115.2	115.7	117.0	118.3
75°	118.3	116.6	114.4	111.7	108.6	104.2	99.7	98.8	99.7	101.1	102.4
77.5°	97.1	96.6	95.7	93.5	91.3	86.4	81.1	80.7	82.0	83.3	84.2
80°	75.8	76.2	76.7	74.9	73.1	67.8	62.1	61.6	62.9	64.3	65.6
82.5°	55.8	57.2	58.1	55.8	53.6	47.4	41.2	40.3	44.8	46.1	47.4
85°	32.4	34.1	35.9	34.1	32.4	26.2	19.9	19.5	23.5	25.7	27.9
87.5°	2.7	3.5	4.4	4.0	3.5	1.8	0.0	0.0	0.4	2.2	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4
2.5°	2886.8	2869.5	2864.2	2858.8	2839.3	2819.4	2839.8	2859.7	2868.2	2876.6	2854.9
5°	2347.4	2344.3	2344.3	2343.8	2326.1	2307.9	2321.6	2334.9	2305.2	2275.6	2272.4
7.5°	1759.2	1778.2	1793.8	1808.8	1803.1	1797.3	1810.2	1823.0	1785.3	1747.2	1728.6
10°	1302.7	1306.6	1323.5	1340.3	1344.3	1347.9	1363.8	1379.3	1350.1	1320.8	1308.0
12.5°	1016.3	995.1	997.3	999.0	1007.0	1014.6	1031.4	1047.8	1035.8	1023.4	1024.8
15°	823.1	796.0	785.0	773.4	782.3	791.2	803.1	814.7	815.1	815.1	826.6
17.5°	671.9	658.2	647.1	635.6	647.6	659.1	660.4	661.7	662.2	662.6	661.7
20°	550.5	557.1	553.6	550.1	554.5	558.5	562.0	565.1	561.1	556.7	545.6
22.5°	482.7	488.4	492.9	496.9	504.4	511.5	507.9	504.0	496.0	487.6	479.1
25°	443.2	447.2	451.7	456.1	462.3	468.1	461.8	455.6	449.9	444.1	438.4
27.5°	410.0	414.0	418.0	421.5	427.3	432.6	426.8	421.1	416.2	411.3	406.9
30°	383.0	385.6	388.7	391.8	397.1	402.0	397.1	391.8	388.3	384.3	381.2
32.5°	359.9	362.6	363.9	365.2	370.1	375.0	371.4	367.9	364.8	361.7	359.5
35°	334.6	340.0	340.8	341.7	346.6	351.5	349.3	346.6	343.1	339.5	335.5
37.5°	308.9	315.1	318.7	321.8	326.7	331.5	329.3	327.1	322.2	317.4	310.3
40°	287.2	289.9	296.5	302.7	310.7	318.2	313.8	308.9	301.4	293.9	290.3
42.5°	269.0	268.6	274.8	281.0	293.0	304.5	296.5	288.5	281.5	274.4	273.5
45°	253.1	251.8	254.9	258.0	270.8	283.2	275.2	266.8	262.8	258.8	258.8
47.5°	238.9	238.0	240.2	242.0	250.0	257.5	253.5	249.5	247.3	245.1	245.6
50°	226.0	225.2	227.4	229.2	232.3	234.9	235.8	236.2	234.9	233.6	234.5
52.5°	214.1	214.1	215.0	215.4	219.4	223.4	223.4	222.9	222.9	222.9	223.8
55°	203.9	204.8	204.8	204.8	211.0	216.7	215.0	213.2	213.6	213.6	214.5
57.5°	193.7	195.0	195.9	196.8	203.0	209.2	207.4	205.7	205.7	205.7	206.1
60°	182.2	183.9	185.7	187.5	193.7	199.9	198.1	195.9	196.4	196.8	197.2
62.5°	171.1	172.9	174.6	176.4	182.6	188.8	187.0	184.8	186.2	187.0	187.0
65°	160.4	161.8	163.6	165.3	171.1	176.8	175.1	173.3	175.1	176.4	177.3
67.5°	148.5	149.4	151.1	152.9	158.7	164.4	162.7	160.4	162.7	164.4	166.2
70°	134.7	135.6	137.8	139.6	145.4	151.1	148.9	146.7	148.9	151.1	152.9
72.5°	119.7	120.6	122.8	124.5	131.2	137.8	135.2	132.5	135.2	137.8	138.7
75°	103.3	104.2	106.8	109.0	115.7	122.3	120.1	117.5	119.7	121.9	122.3
77.5°	85.5	86.9	90.4	94.0	99.3	104.6	103.3	101.9	103.3	104.6	104.6
80°	66.9	68.3	72.7	76.7	79.8	82.9	83.3	83.8	84.2	84.7	84.2
82.5°	49.6	51.4	55.4	59.4	59.4	59.4	62.9	66.0	66.0	65.6	65.2
85°	30.6	32.8	36.3	39.9	37.7	35.5	41.2	46.5	46.5	46.1	45.2
87.5°	6.2	8.4	12.0	15.1	12.9	10.6	16.4	22.2	22.6	22.6	21.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4
2.5°	2832.7	2867.3	2901.4	2910.3	2923.6	2929.3	2934.6	2978.1	3021.1	3071.6	3122.1
5°	2268.9	2294.6	2320.3	2324.3	2338.0	2345.1	2352.2	2405.0	2457.3	2527.8	2598.2
7.5°	1710.0	1716.2	1722.4	1721.5	1733.0	1748.5	1763.6	1819.9	1875.8	1951.5	2026.9
10°	1295.1	1309.3	1323.0	1335.9	1361.2	1390.4	1419.2	1476.8	1534.5	1609.4	1683.8
12.5°	1026.1	1042.5	1058.4	1072.6	1101.9	1140.9	1179.4	1248.6	1317.7	1407.3	1496.4
15°	837.7	836.4	835.0	844.8	870.5	913.1	955.2	1028.3	1101.4	1199.8	1297.8
17.5°	660.9	654.2	647.6	655.1	679.0	714.0	748.6	810.7	872.3	967.6	1062.9
20°	534.5	530.1	525.7	532.8	547.8	562.5	577.1	621.9	666.2	743.7	820.9
22.5°	470.3	469.8	468.9	472.9	480.0	487.6	494.6	516.4	537.6	587.7	637.4
25°	432.6	432.2	431.7	433.5	439.2	445.0	450.8	465.0	479.1	503.1	527.0
27.5°	402.5	401.6	400.7	401.1	402.5	411.3	419.7	426.4	432.6	449.0	465.0
30°	378.1	377.6	377.2	377.2	375.9	379.0	382.1	392.3	402.0	418.9	435.7
32.5°	357.2	355.0	352.8	347.9	344.8	349.3	353.7	364.3	375.0	390.5	406.0
35°	331.1	325.3	319.1	316.5	316.9	321.3	325.8	336.4	346.6	363.5	379.8
37.5°	302.7	301.0	298.7	298.3	299.6	304.1	308.5	317.8	326.7	343.5	359.9
40°	286.8	285.9	285.0	284.1	285.0	289.4	293.9	302.7	311.1	327.5	343.5
42.5°	272.6	272.1	271.7	271.7	272.1	277.0	281.9	290.8	299.2	313.8	328.4
45°	258.8	259.3	259.3	260.2	261.5	266.4	270.8	280.6	290.3	304.5	318.7
47.5°	246.0	247.3	248.2	250.4	251.8	257.1	262.0	272.6	283.2	301.0	318.2
50°	234.9	236.2	237.1	238.9	242.4	248.7	254.9	267.7	280.1	309.8	339.1
52.5°	224.7	226.0	227.4	229.2	233.6	240.7	247.8	263.7	279.2	313.8	348.4
55°	215.4	216.7	217.6	220.3	224.7	230.9	236.7	256.2	275.7	301.0	326.2
57.5°	206.5	207.9	208.8	210.5	212.8	219.4	225.6	246.4	267.3	285.0	302.3
60°	197.2	198.1	198.6	198.6	200.3	207.9	215.4	242.0	268.2	265.1	261.5
62.5°	187.0	187.9	188.4	187.0	189.3	197.2	205.2	239.8	274.4	253.1	231.8
65°	177.7	177.3	176.8	175.5	178.2	186.2	193.7	211.0	228.3	219.8	211.4
67.5°	167.5	166.2	164.9	163.1	165.8	172.9	179.5	185.3	191.0	191.9	192.8
70°	154.7	152.9	151.1	150.7	152.0	157.8	163.6	167.5	171.1	172.9	174.2
72.5°	139.6	138.3	137.0	136.1	136.5	141.4	145.8	149.4	152.9	154.2	155.1
75°	122.8	122.8	122.3	119.7	119.7	123.7	127.2	130.3	133.4	135.2	137.0
77.5°	104.6	105.0	105.0	101.5	101.1	105.0	108.6	111.3	113.5	115.2	116.6
80°	83.8	82.9	82.0	79.8	78.9	83.8	88.2	90.4	92.2	92.6	92.6
82.5°	64.3	62.5	60.3	55.4	55.8	61.2	66.0	67.8	69.6	69.6	69.6
85°	43.9	40.3	36.3	32.4	32.8	38.6	43.9	45.7	47.4	48.3	48.8
87.5°	20.8	17.3	13.3	10.2	10.2	15.1	19.5	20.4	21.3	23.0	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4
2.5°	3160.7	3198.8	3238.3	3277.7	3322.9	3368.1	3420.9	3473.2	3517.9	3562.7	3599.9
5°	2658.9	2719.7	2791.0	2862.4	2953.3	3044.1	3155.4	3266.2	3365.0	3463.9	3578.7
7.5°	2106.2	2185.1	2278.2	2371.3	2488.7	2606.2	2750.3	2894.3	3033.9	3173.1	3349.5
10°	1766.7	1849.6	1941.4	2032.7	2152.3	2271.6	2424.0	2576.1	2733.0	2889.4	3088.9
12.5°	1588.5	1680.3	1761.0	1841.6	1938.7	2035.3	2182.9	2330.5	2514.9	2698.8	2890.8
15°	1398.4	1498.6	1595.2	1691.8	1797.7	1903.2	2046.8	2190.5	2392.1	2593.8	2814.5
17.5°	1168.4	1273.8	1391.7	1509.2	1647.5	1785.3	1969.3	2153.2	2392.1	2630.6	2890.8
20°	928.6	1036.3	1177.2	1318.2	1490.1	1661.7	1900.1	2138.6	2460.4	2781.7	3113.7
22.5°	732.7	827.5	981.3	1134.7	1333.2	1531.8	1837.6	2143.0	2563.7	2983.8	3431.9
25°	593.9	660.9	812.0	962.7	1191.9	1421.0	1799.5	2177.6	2713.9	3249.8	3805.6
27.5°	508.8	552.7	693.7	834.2	1084.6	1334.6	1784.0	2233.0	2904.5	3576.0	4212.0
30°	466.3	496.9	616.1	734.9	989.3	1243.7	1765.4	2287.1	3088.0	3888.5	4529.8
32.5°	430.8	455.2	557.1	658.6	906.9	1155.1	1729.5	2303.5	3216.1	4128.7	4798.9
35°	400.7	421.1	509.7	598.4	842.1	1085.9	1669.2	2252.5	3296.3	4340.1	5079.0
37.5°	376.3	392.3	474.3	556.3	786.3	1016.3	1600.5	2184.7	3367.7	4550.7	5394.1
40°	357.2	371.0	447.7	524.3	733.1	941.9	1541.6	2140.8	3466.1	4791.3	5727.0
42.5°	346.6	364.3	424.6	484.5	682.6	880.7	1494.1	2107.6	3557.4	5006.7	6018.2
45°	343.9	369.2	412.6	456.1	644.9	833.7	1452.0	2069.9	3616.3	5162.8	6237.6
47.5°	339.5	360.3	403.3	446.3	626.3	805.8	1429.4	2052.6	3675.3	5297.5	6419.8
50°	342.2	344.8	395.8	446.3	623.6	800.9	1455.1	2109.3	3802.9	5496.1	6628.1
52.5°	337.3	325.8	381.6	437.5	623.2	808.9	1529.1	2249.4	4040.1	5830.3	6853.7
55°	311.6	296.5	355.0	413.5	613.9	813.8	1617.4	2420.5	4358.3	6295.7	7259.3
57.5°	289.0	275.2	324.9	374.1	585.5	796.9	1708.2	2619.1	4694.7	6769.9	7716.2
60°	258.8	255.7	291.2	326.7	541.6	756.2	1783.1	2809.6	4920.8	7031.4	7892.2
62.5°	234.0	235.8	262.0	288.1	486.7	684.8	1807.9	2930.6	4914.6	6898.5	7714.9
65°	215.0	218.1	243.8	269.5	439.7	609.9	1726.4	2842.4	4665.9	6488.9	7364.3
67.5°	196.4	199.9	230.5	260.6	398.0	535.0	1522.5	2509.6	4218.7	5927.3	6918.4
70°	178.6	183.1	216.3	249.5	367.9	485.8	1259.7	2033.5	3658.9	5283.8	6402.0
72.5°	159.6	164.0	199.5	234.9	348.8	462.3	1027.0	1591.2	2969.2	4346.8	5476.1
75°	140.1	143.2	181.7	219.8	322.7	425.5	805.8	1185.6	2272.4	3359.3	4136.2
77.5°	120.6	124.5	156.9	188.8	273.9	358.6	607.2	855.9	1667.4	2478.6	2876.6
80°	96.2	99.7	122.8	145.4	211.4	277.0	417.5	558.0	1147.5	1737.0	1961.3
82.5°	73.6	77.6	93.1	108.1	150.7	193.2	253.1	312.9	762.4	1211.4	1230.0
85°	50.5	51.9	62.9	73.6	93.1	112.6	144.9	177.3	504.4	831.5	692.8
87.5°	25.3	25.3	32.8	40.3	50.1	59.8	76.7	93.1	161.3	229.6	132.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4
2.5°	3647.4	3679.7	3712.5	3737.3	3762.6	3798.9	3835.3	3841.9	3849.0	3834.8	3820.7
5°	3694.3	3792.3	3890.7	3981.6	4072.4	4126.9	4181.4	4192.5	4203.6	4169.5	4134.9
7.5°	3520.1	3690.8	3861.4	4017.9	4174.4	4269.2	4364.5	4385.8	4407.5	4351.7	4295.8
10°	3287.5	3497.1	3706.7	3912.9	4119.0	4256.8	4394.6	4422.1	4449.6	4380.0	4310.4
12.5°	3107.5	3331.3	3555.2	3772.3	3990.0	4132.7	4275.4	4309.5	4343.7	4293.1	4242.2
15°	3052.1	3262.6	3473.2	3662.4	3852.1	3968.7	4085.7	4099.5	4113.6	4105.7	4097.7
17.5°	3152.7	3342.9	3533.4	3636.3	3739.5	3786.1	3833.1	3848.1	3863.7	3883.6	3904.0
20°	3396.5	3530.3	3664.6	3660.2	3655.3	3632.7	3609.7	3605.7	3601.7	3658.9	3716.5
22.5°	3760.4	3813.6	3867.2	3742.6	3618.1	3542.3	3466.1	3451.0	3435.5	3496.2	3557.4
25°	4155.3	4145.5	4135.4	3898.2	3660.7	3516.2	3371.7	3354.8	3338.0	3389.8	3442.1
27.5°	4546.2	4482.4	4418.6	4096.3	3774.1	3564.5	3354.8	3338.0	3321.1	3367.2	3413.3
30°	4833.0	4730.6	4628.2	4263.4	3898.7	3649.6	3400.5	3373.0	3345.1	3401.8	3458.5
32.5°	5056.8	4919.4	4782.0	4399.1	4016.1	3746.6	3477.2	3434.2	3391.2	3467.0	3542.8
35°	5280.2	5087.0	4893.3	4520.1	4146.4	3861.4	3576.0	3523.2	3470.5	3574.7	3678.8
37.5°	5561.2	5283.8	5005.9	4656.2	4306.4	4033.4	3759.9	3705.9	3651.8	3784.3	3917.3
40°	5866.2	5496.1	5126.0	4805.1	4484.2	4271.4	4058.2	4006.8	3955.0	4116.3	4277.6
42.5°	6119.7	5693.8	5267.8	4984.6	4700.9	4551.1	4400.8	4400.4	4399.5	4563.1	4726.6
45°	6325.8	5858.6	5391.0	5159.7	4927.9	4849.8	4771.8	4834.3	4896.8	5044.4	5192.5
47.5°	6479.6	5996.9	5513.8	5360.0	5206.2	5217.7	5229.2	5356.5	5483.7	5578.5	5673.8
50°	6579.8	6122.4	5664.5	5617.1	5569.7	5672.9	5776.6	5922.5	6068.7	6133.4	6198.2
52.5°	6725.6	6292.6	5859.1	5912.3	5965.5	6176.4	6387.4	6535.0	6682.6	6706.5	6730.9
55°	7062.9	6605.5	6147.6	6249.6	6352.0	6661.3	6971.2	7086.4	7201.6	7210.5	7219.4
57.5°	7542.0	7043.8	6545.6	6655.6	6765.5	7122.7	7480.4	7604.5	7729.1	7711.8	7694.1
60°	7900.6	7460.0	7019.0	7129.8	7240.6	7589.0	7937.4	8080.1	8223.3	8185.2	8147.0
62.5°	7922.8	7687.4	7451.6	7551.8	7652.4	7993.7	8335.0	8481.7	8628.4	8561.9	8495.4
65°	7570.4	7675.9	7781.4	7814.6	7847.9	8166.1	8484.8	8596.9	8709.5	8675.8	8642.1
67.5°	7085.1	7473.8	7862.9	7796.0	7729.1	7878.4	8027.8	8143.5	8259.2	8240.1	8220.6
70°	6600.6	7119.6	7638.7	7309.8	6980.5	6918.8	6857.2	6981.8	7106.8	7029.7	6952.1
72.5°	5775.8	6328.9	6882.5	6276.6	5670.7	5460.2	5249.6	5407.9	5566.1	5443.3	5320.1
75°	4533.8	5145.0	5756.7	5033.8	4310.9	4029.9	3748.9	3884.9	4021.0	3936.8	3852.1
77.5°	3375.2	3977.6	4579.9	3845.0	3109.7	2901.0	2691.7	2732.1	2772.9	2758.7	2744.0
80°	2289.3	2709.0	3129.2	2639.9	2150.6	2166.5	2182.9	2163.9	2144.4	2172.7	2201.1
82.5°	1460.9	1784.9	2109.3	1849.6	1589.9	1738.8	1887.7	1814.6	1741.0	1768.1	1795.5
85°	833.7	1150.6	1468.0	1368.3	1268.1	1355.0	1442.3	1328.8	1215.3	1265.0	1315.1
87.5°	219.8	636.5	1053.6	956.5	859.4	746.8	634.3	484.0	333.8	487.6	641.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P320816

CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4	3377.4
2.5°	3813.1	3805.6	3778.6	3751.1	3710.3	3676.6	3618.1
5°	4087.0	4039.2	3956.7	3873.8	3781.7	3675.7	3558.3
7.5°	4184.1	4072.0	3913.7	3755.1	3612.3	3444.8	3288.8
10°	4142.9	3974.9	3769.2	3563.1	3389.8	3197.0	3023.7
12.5°	4064.0	3885.4	3658.9	3431.9	3234.7	3027.7	2833.6
15°	3955.4	3812.7	3600.4	3388.1	3189.5	2988.3	2758.2
17.5°	3836.6	3768.8	3615.4	3461.6	3289.7	3094.6	2824.7
20°	3740.9	3765.7	3704.5	3643.4	3505.5	3335.3	3032.1
22.5°	3676.2	3795.4	3842.4	3889.8	3806.9	3673.9	3323.4
25°	3639.8	3837.5	3994.8	4152.6	4115.9	4013.5	3677.1
27.5°	3655.8	3898.2	4142.4	4387.1	4421.2	4392.9	4049.8
30°	3703.6	3949.2	4246.6	4544.5	4680.5	4718.6	4360.5
32.5°	3783.4	4024.1	4348.1	4672.6	4878.2	4999.7	4644.6
35°	3904.0	4129.1	4466.9	4804.6	5070.6	5292.2	4938.0
37.5°	4111.0	4304.7	4616.3	4928.3	5273.1	5606.0	5261.2
40°	4414.1	4551.1	4814.4	5078.1	5512.0	5961.5	5621.5
42.5°	4796.7	4867.1	5075.9	5284.7	5761.6	6284.1	5973.9
45°	5211.1	5229.7	5360.9	5492.5	5959.3	6504.0	6238.5
47.5°	5610.0	5546.2	5598.5	5650.8	6110.8	6660.9	6439.3
50°	6020.4	5842.7	5815.2	5787.7	6262.4	6845.7	6694.6
52.5°	6437.9	6145.0	6036.4	5927.3	6443.3	7090.8	7012.4
55°	6846.6	6473.8	6327.6	6181.3	6719.8	7390.0	7479.1
57.5°	7271.7	6849.3	6713.6	6578.0	7126.3	7769.0	7897.9
60°	7729.1	7310.7	7202.1	7093.0	7631.6	8178.5	8084.5
62.5°	8163.0	7830.6	7773.4	7715.8	8142.6	8493.2	8011.9
65°	8452.9	8263.2	8316.4	8370.0	8529.1	8571.7	7799.1
67.5°	8259.2	8297.7	8522.5	8747.6	8638.1	8338.5	7379.8
70°	7183.0	7414.4	7946.7	8479.5	8236.6	7714.0	6627.2
72.5°	5579.8	5840.0	6630.3	7421.0	7197.2	6557.2	5443.3
75°	4145.5	4439.4	5311.7	6184.0	5873.3	4904.8	3897.3
77.5°	2940.8	3137.6	3998.8	4860.5	4353.9	3264.8	2622.6
80°	2140.8	2080.5	2560.6	3040.6	2956.4	2159.4	1684.3
82.5°	1648.4	1501.2	1727.3	1953.3	1940.9	1498.6	1235.7
85°	1256.1	1197.2	1397.1	1597.0	1425.9	1015.0	785.4
87.5°	732.2	823.5	1058.9	1294.7	971.6	308.0	152.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P320816
 CATALOG NUMBER: GAN-SA2D-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)