

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: P319597

Luminaire Tested: **GAN-SA3B-727-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-727-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14590 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

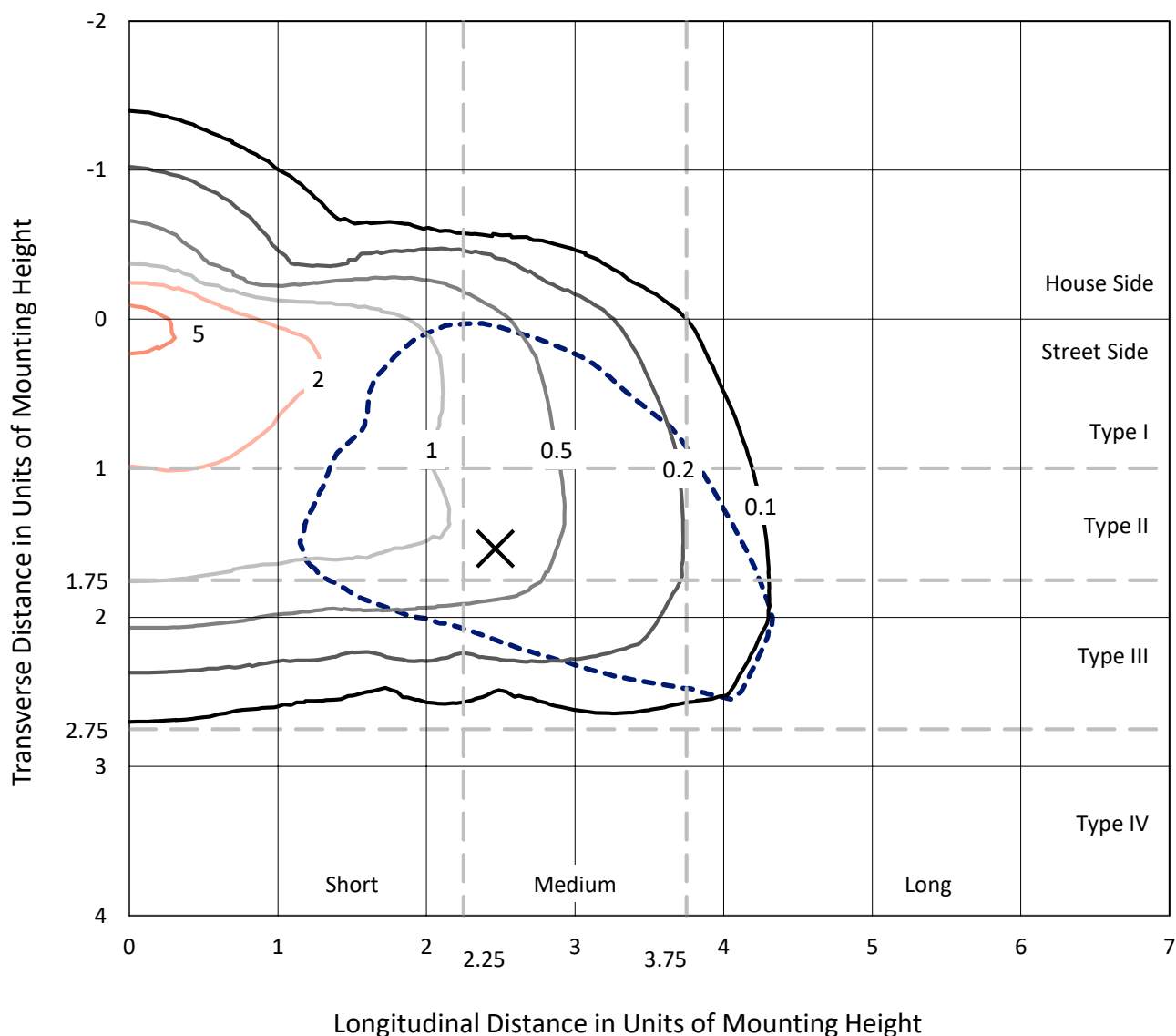
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319597
 CATALOG NUMBER: GAN-SA3B-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

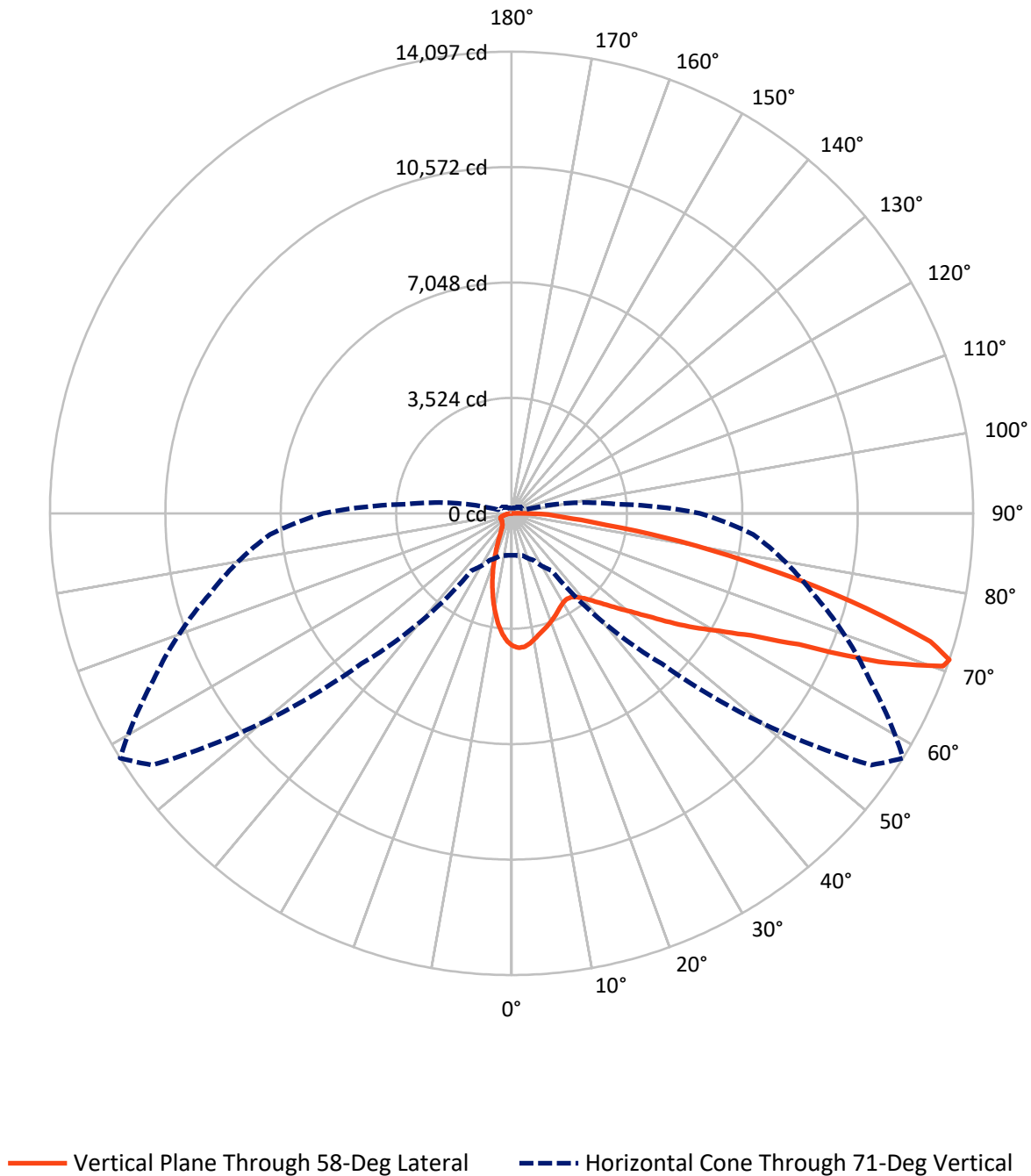
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P319597
CATALOG NUMBER: GAN-SA3B-727-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P319597

CATALOG NUMBER: GAN-SA3B-727-U-SL3

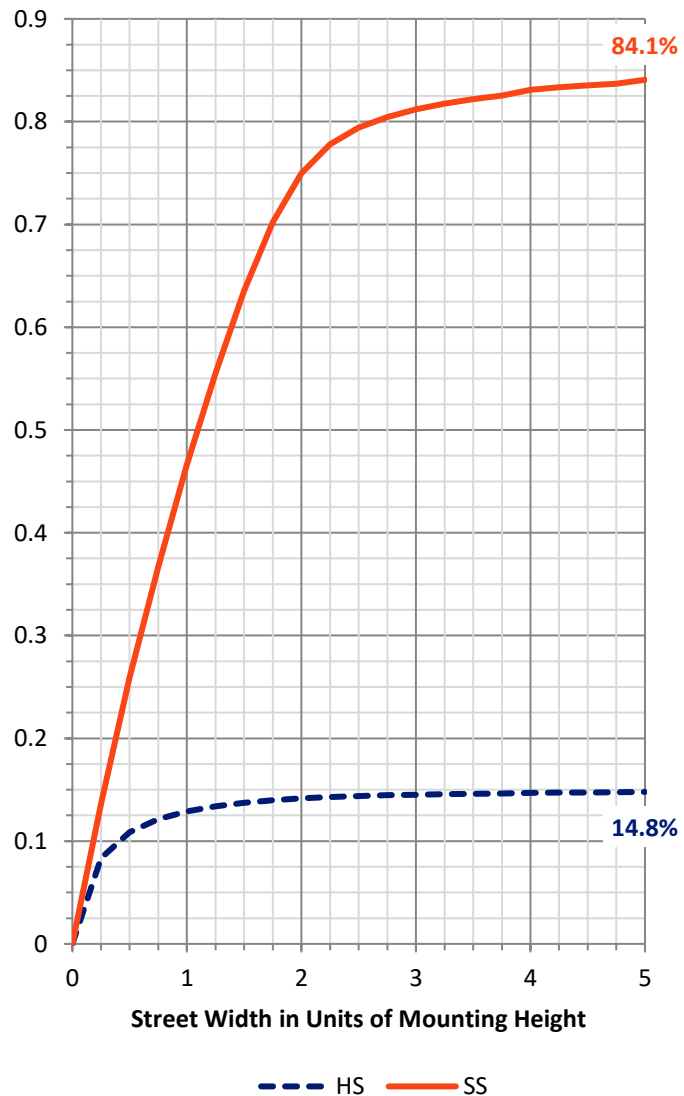
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2181.3	0.0	2181.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	12408.7	0.0	12408.7
	% Fixture	85.0	0.0	85.0
Total	Lumens	14590.0	0.0	14590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.7	2.4
10°-20°	775.5	5.3
20°-30°	985.5	6.8
30°-40°	1255.4	8.6
40°-50°	1780.2	12.2
50°-60°	2754.9	18.9
60°-70°	3750.4	25.7
70°-80°	2502.0	17.1
80°-90°	437.4	3.0
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°	14590.0	100.0
0°-180°	14590.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319597

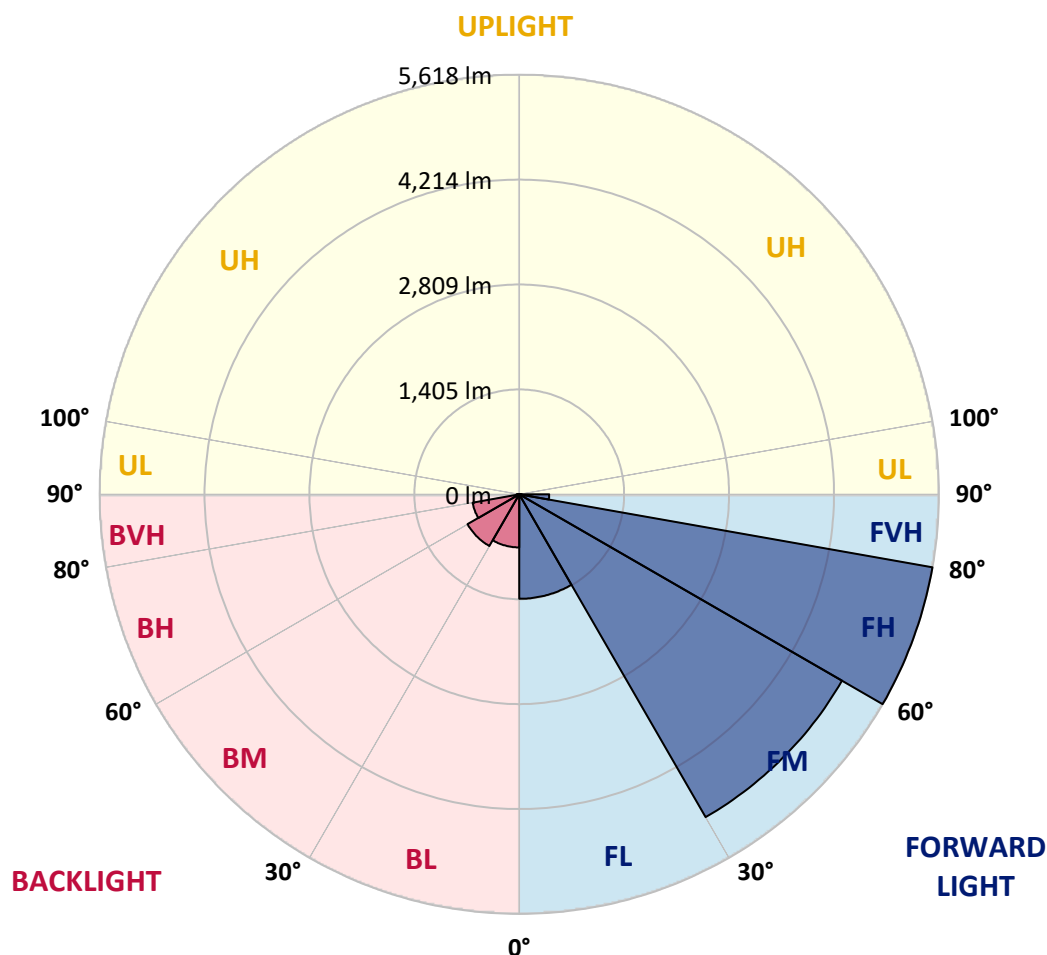
CATALOG NUMBER: GAN-SA3B-727-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1398.7	9.6			
FM	(30°-60°)	4990.5	34.2			
FH	(60°-80°)	5618.4	38.5			G3/7500
FVH	(80°-90°)	401.1	2.7			G3/500
BL	(0°-30°)	711.0	4.9	B2/1000		
BM	(30°-60°)	799.9	5.5	B1/1000		
BH	(60°-80°)	634.0	4.3	B2/1000		G2/1000
BVH	(80°-90°)	36.3	0.2			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 III Medium





REPORT NUMBER: P319597

CATALOG NUMBER: GAN-SA3B-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4
2.5°	4149.6	4144.0	4146.1	4142.0	4132.4	4122.7	4108.5	4111.0	4091.2	4061.7	4025.1
5°	4071.4	4069.3	4084.6	4093.2	4100.3	4094.8	4090.7	4095.8	4066.8	4026.1	3962.6
7.5°	3907.2	3884.9	3904.2	3933.1	3960.6	3981.4	4008.9	4012.4	3994.1	3951.4	3868.1
10°	3673.9	3652.6	3681.1	3726.3	3781.2	3831.0	3886.4	3896.5	3900.1	3861.5	3760.3
12.5°	3432.0	3415.8	3444.2	3507.8	3598.7	3675.5	3763.9	3779.1	3810.7	3784.7	3660.7
15°	3215.5	3209.4	3244.0	3306.5	3411.2	3528.6	3656.2	3684.1	3737.5	3728.8	3583.0
17.5°	3028.5	3027.0	3053.4	3119.0	3234.8	3383.2	3548.9	3596.2	3675.5	3685.6	3518.9
20°	2889.2	2886.2	2904.5	2952.8	3072.2	3240.4	3433.0	3498.1	3612.4	3648.0	3452.9
22.5°	2814.5	2814.0	2814.5	2837.4	2935.0	3091.5	3320.2	3399.5	3551.0	3618.0	3379.7
25°	2801.8	2800.3	2789.1	2786.6	2842.0	2967.0	3208.4	3295.8	3492.5	3597.2	3310.1
27.5°	2834.9	2836.9	2822.2	2798.3	2809.5	2885.2	3111.3	3204.9	3445.8	3593.1	3261.8
30°	2903.5	2902.5	2889.8	2864.9	2843.0	2854.7	3042.2	3135.7	3414.2	3610.9	3228.7
32.5°	2979.2	2984.8	2982.3	2968.5	2936.0	2889.2	3021.4	3112.9	3405.1	3653.6	3214.5
35°	3070.2	3076.3	3094.6	3105.2	3067.1	2991.9	3066.1	3145.4	3431.5	3733.9	3237.4
37.5°	3156.6	3172.3	3223.7	3268.9	3236.4	3152.5	3185.0	3241.4	3513.3	3860.5	3298.9
40°	3256.2	3269.9	3353.8	3449.8	3444.7	3357.8	3376.6	3414.2	3657.7	4041.9	3410.2
42.5°	3354.3	3381.7	3503.2	3639.4	3678.5	3601.8	3631.8	3651.6	3861.0	4282.3	3604.3
45°	3484.9	3514.4	3683.1	3847.2	3938.7	3895.5	3943.3	3950.9	4116.6	4609.6	3886.4
47.5°	3682.6	3716.1	3912.8	4085.1	4224.9	4229.4	4308.2	4305.2	4435.8	4984.1	4241.6
50°	3990.6	4038.8	4200.0	4361.1	4530.8	4625.3	4730.5	4715.8	4818.5	5383.1	4650.7
52.5°	4394.1	4416.5	4535.9	4654.8	4865.7	5077.7	5228.6	5215.4	5252.5	5793.2	5115.3
55°	4812.4	4829.1	4878.4	4943.5	5227.1	5572.7	5891.8	5871.0	5777.0	6219.1	5574.2
57.5°	5188.4	5222.5	5256.5	5283.5	5591.0	6090.0	6570.3	6571.8	6346.2	6678.6	6048.4
60°	5246.9	5276.9	5502.0	5714.5	6213.5	6780.2	7296.6	7281.3	6935.2	7177.1	6576.9
62.5°	4638.0	4705.6	5081.7	5646.9	6813.2	8042.6	8223.0	8204.2	7639.6	7791.6	7192.4
65°	3323.8	3400.5	3854.4	4703.6	6522.5	9433.6	9895.1	9642.0	8600.1	8547.3	7913.0
67.5°	1917.5	1935.8	2132.5	2814.5	4966.4	9506.3	12445.9	12091.6	10091.8	9404.7	8265.7
70°	1417.9	1417.4	1464.2	1732.0	2687.5	7758.5	13659.0	13976.6	11662.2	9686.7	7767.2
71°	1282.2	1283.8	1336.1	1576.5	2128.4	6494.1	13401.3	14096.6	12075.9	9547.5	7406.3
72.5°	1096.7	1101.8	1174.5	1413.9	1790.5	4478.5	12291.4	13376.9	12272.1	9203.9	6841.7
75°	832.0	843.7	944.3	1191.8	1636.5	2271.2	9021.0	10681.8	10901.9	8121.4	5083.8
77.5°	593.6	606.8	720.7	1002.2	1555.7	1711.7	6041.2	7791.6	8022.8	5204.7	2293.1
80°	375.1	390.8	476.7	797.4	1461.6	1625.3	3796.4	5237.2	4374.8	1665.4	583.4
82.5°	220.1	232.3	295.8	520.9	1193.8	1565.3	2233.6	2903.0	1702.5	503.1	265.3
85°	127.6	133.2	184.5	331.9	867.0	1477.4	1641.1	1622.8	739.0	246.0	125.5
87.5°	59.5	66.1	109.3	173.3	481.3	1070.8	1297.0	1120.6	459.4	115.4	59.0
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: P319597

CATALOG NUMBER: GAN-SA3B-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4	4042.4
2.5°	4007.3	3998.7	3962.6	3930.6	3897.1	3853.3	3805.1	3799.0	3769.5	3775.1	3764.9
5°	3928.1	3906.2	3819.3	3740.5	3647.5	3564.2	3473.7	3432.0	3372.1	3368.0	3352.7
7.5°	3814.7	3774.1	3639.4	3490.0	3340.5	3198.2	3057.5	2965.0	2870.4	2830.3	2826.7
10°	3687.2	3618.0	3419.8	3198.8	2983.3	2775.4	2574.1	2425.2	2291.1	2227.5	2225.0
12.5°	3566.2	3464.0	3192.1	2891.3	2596.5	2327.2	2051.2	1855.5	1687.3	1630.9	1607.0
15°	3463.5	3319.7	2970.6	2585.8	2228.0	1854.0	1539.9	1334.1	1178.6	1124.7	1114.5
17.5°	3363.9	3178.9	2743.4	2277.3	1844.8	1433.7	1119.1	966.1	883.3	861.4	860.9
20°	3264.8	3034.1	2506.0	1961.7	1474.4	1072.4	860.4	791.8	763.9	761.3	757.3
22.5°	3152.5	2880.6	2256.5	1645.1	1150.6	843.1	731.3	703.9	700.3	709.5	709.5
25°	3047.3	2728.1	2003.4	1335.1	895.0	703.4	653.1	647.5	657.1	673.4	674.9
27.5°	2949.2	2581.3	1756.4	1059.6	717.1	619.5	598.7	605.3	622.6	641.4	641.9
30°	2868.4	2442.5	1516.5	835.0	605.8	557.0	553.5	566.7	585.5	600.2	603.8
32.5°	2805.9	2324.1	1284.8	671.4	533.1	510.3	513.3	524.5	536.2	544.3	549.9
35°	2776.9	2222.5	1070.8	566.2	486.9	474.2	478.2	484.3	489.4	495.5	500.1
37.5°	2782.0	2143.7	879.7	500.6	455.9	449.3	449.3	449.3	449.3	452.3	452.8
40°	2829.3	2098.5	724.2	458.9	435.0	427.9	422.3	417.3	413.2	415.2	414.2
42.5°	2950.2	2094.4	610.4	432.5	418.3	406.6	395.4	388.3	383.2	385.2	386.2
45°	3155.6	2145.2	533.6	413.7	402.5	384.7	370.5	362.9	359.3	365.9	366.9
47.5°	3421.4	2256.0	486.9	400.0	387.8	364.4	349.1	342.0	343.1	352.7	355.2
50°	3763.9	2435.9	464.5	391.3	377.6	347.1	331.4	325.3	328.3	342.0	345.1
52.5°	4140.0	2695.1	467.1	388.8	371.0	334.4	317.6	310.5	315.6	328.3	330.9
55°	4574.0	3006.6	509.2	392.3	361.3	326.3	306.5	294.3	298.3	310.0	312.0
57.5°	5056.3	3363.4	594.1	391.3	349.1	318.7	294.8	276.5	279.5	286.6	288.7
60°	5558.4	3794.4	725.7	394.4	343.6	309.5	279.0	256.1	255.1	261.2	262.2
62.5°	6161.2	4293.0	876.2	396.4	347.1	297.8	258.2	235.8	232.8	234.3	235.3
65°	6782.2	4653.8	819.8	388.3	358.3	288.2	239.9	216.0	210.4	209.4	209.9
67.5°	6801.5	4267.0	574.8	372.0	362.9	283.1	226.2	199.2	190.1	186.5	186.0
70°	6099.7	3466.6	447.7	354.7	344.6	274.9	213.5	185.5	171.8	166.2	165.7
71°	5757.1	3191.1	424.4	346.1	330.9	266.8	207.9	179.4	165.2	159.1	158.1
72.5°	5220.0	2860.8	395.9	332.4	304.4	246.0	197.2	170.8	156.0	148.9	147.4
75°	3746.1	1870.8	340.0	296.3	252.1	196.2	172.8	153.5	140.8	132.1	131.1
77.5°	1443.4	744.5	257.2	246.5	193.1	153.5	142.3	132.6	123.5	114.9	114.4
80°	446.2	332.9	187.5	185.5	139.8	114.4	110.8	108.3	104.7	95.5	93.5
82.5°	238.4	191.1	129.1	119.9	91.5	76.2	80.3	81.3	81.8	72.2	71.2
85°	113.8	101.1	72.7	68.1	53.4	42.7	49.3	53.4	53.9	44.2	41.2
87.5°	54.4	52.9	34.1	25.9	19.8	14.2	17.3	21.3	23.4	16.8	14.7
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)