

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: P319920

Luminaire Tested: **GAN-SA6B-727-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27160 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 249
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

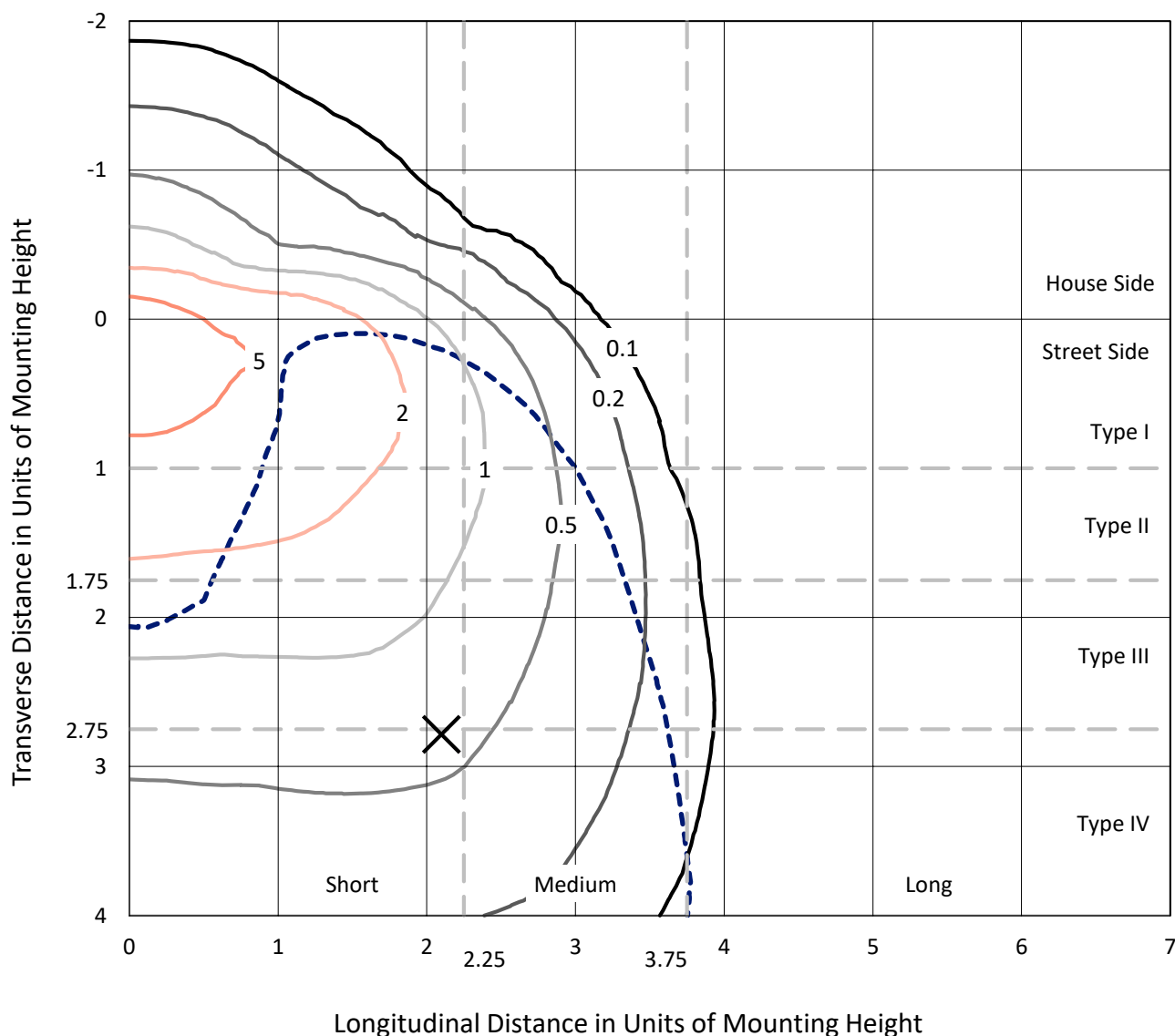


REPORT NUMBER: P319920
 CATALOG NUMBER: GAN-SA6B-727-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

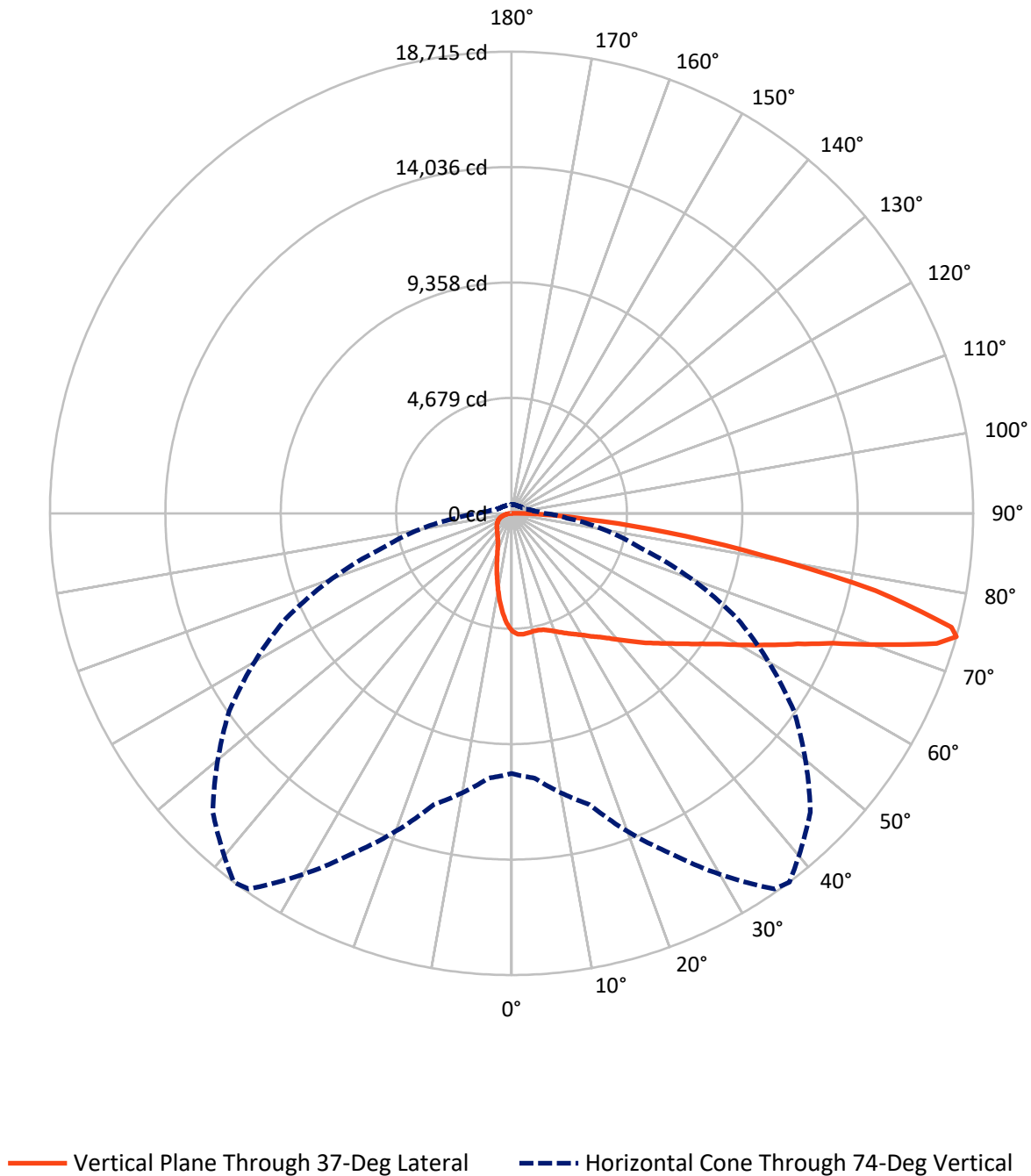
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P319920
CATALOG NUMBER: GAN-SA6B-727-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P319920

CATALOG NUMBER: GAN-SA6B-727-U-SL4

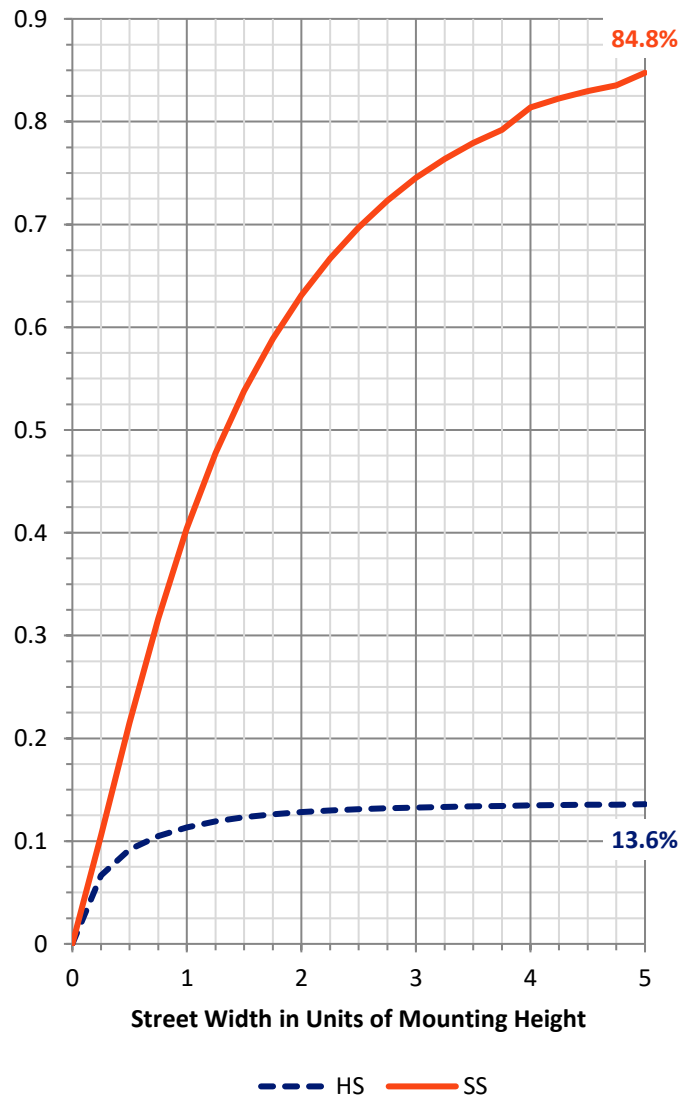
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3737.0	0.0	3737.0
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	23423.0	0.0	23423.0
	% Fixture	86.2	0.0	86.2
Total	Lumens	27160.0	0.0	27160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.4	1.6
10°-20°	1080.2	4.0
20°-30°	1664.4	6.1
30°-40°	2420.2	8.9
40°-50°	3562.2	13.1
50°-60°	5002.5	18.4
60°-70°	6331.6	23.3
70°-80°	5575.2	20.5
80°-90°	1102.3	4.1
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°	27160.0	100.0
0°-180°	27160.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319920

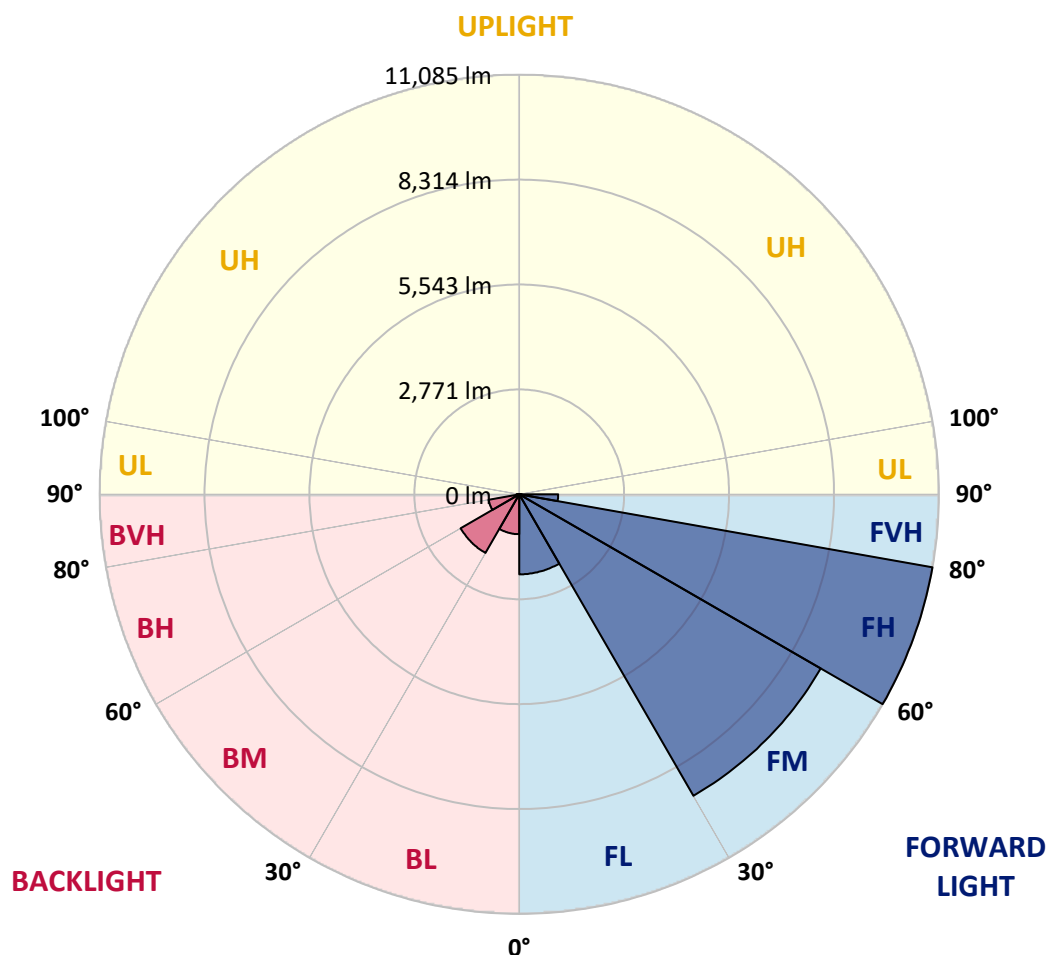
CATALOG NUMBER: GAN-SA6B-727-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2113.4	7.8			
FM	(30°-60°)	9196.6	33.9			
FH	(60°-80°)	11085.3	40.8			G4/12000
FVH	(80°-90°)	1027.7	3.8			G5
BL	(0°-30°)	1052.6	3.9	B3/2500		
BM	(30°-60°)	1788.3	6.6	B2/2500		
BH	(60°-80°)	821.4	3.0	B2/1000		G2/1000
BVH	(80°-90°)	74.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





REPORT NUMBER: P319920

CATALOG NUMBER: GAN-SA6B-727-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5
2.5°	4949.1	4950.0	4949.1	4941.4	4923.3	4907.9	4895.5	4877.3	4837.1	4806.5	4760.6
5°	4996.0	4990.2	4986.4	4972.0	4943.3	4926.1	4902.2	4867.8	4801.8	4740.5	4665.9
7.5°	4974.0	4967.3	4958.7	4941.4	4908.9	4894.6	4861.1	4816.1	4736.7	4656.3	4549.2
10°	4906.0	4904.1	4900.3	4896.5	4868.7	4857.2	4826.6	4778.8	4700.3	4602.8	4477.4
12.5°	4830.5	4835.2	4850.5	4870.6	4858.2	4852.5	4833.3	4800.8	4720.4	4615.2	4464.0
15°	4782.6	4796.0	4837.1	4889.8	4900.3	4898.4	4893.6	4872.5	4787.4	4670.7	4494.6
17.5°	4766.4	4788.4	4866.8	4953.9	4984.5	4991.2	4993.1	4956.7	4862.0	4738.6	4526.2
20°	4796.0	4823.8	4938.6	5058.2	5106.9	5110.8	5102.2	5039.0	4932.8	4797.0	4543.4
22.5°	4885.9	4910.8	5054.3	5189.2	5244.7	5250.5	5224.6	5128.9	5007.4	4865.9	4567.4
25°	5059.1	5089.7	5233.2	5368.1	5396.8	5397.8	5360.5	5241.8	5105.0	4962.5	4619.0
27.5°	5284.9	5315.5	5444.7	5576.7	5561.4	5552.8	5502.1	5383.4	5232.3	5095.5	4710.9
30°	5536.5	5570.0	5692.5	5786.2	5749.9	5732.6	5691.5	5538.4	5409.3	5277.2	4851.5
32.5°	5796.7	5827.3	5934.5	5998.6	5952.7	5945.0	5882.8	5743.2	5639.8	5554.7	5079.2
35°	6063.7	6085.7	6190.9	6227.3	6166.0	6164.1	6146.9	6018.7	5953.6	5993.8	5410.2
37.5°	6336.3	6342.1	6432.0	6433.9	6415.7	6423.4	6441.6	6361.2	6379.4	6504.7	5840.7
40°	6579.3	6594.6	6659.7	6679.8	6711.4	6738.1	6829.0	6776.4	6917.0	7139.0	6376.5
42.5°	6759.2	6788.8	6893.1	6944.8	7047.2	7089.3	7217.5	7266.2	7549.4	7882.4	7013.7
45°	6911.3	6957.2	7124.7	7230.8	7404.0	7477.7	7661.4	7825.0	8264.1	8688.9	7684.3
47.5°	7075.9	7134.2	7343.7	7546.6	7781.9	7865.2	8199.0	8444.0	9026.6	9500.2	8316.7
50°	7317.9	7362.9	7567.6	7886.2	8179.9	8287.1	8749.2	9100.3	9801.5	10273.2	8864.9
52.5°	7655.6	7638.4	7811.6	8258.4	8652.5	8784.6	9336.6	9798.7	10587.0	10972.6	9328.0
55°	7995.3	7966.6	8088.1	8647.7	9203.6	9342.3	9983.3	10499.9	11334.2	11602.1	9682.9
57.5°	8373.2	8318.6	8421.0	9086.9	9831.2	9996.7	10707.6	11245.2	12069.0	12111.1	9908.7
60°	8762.5	8688.9	8803.7	9631.2	10628.1	10823.3	11555.2	11972.3	12761.6	12518.6	9981.4
62.5°	9103.1	9051.5	9228.5	10238.8	11526.5	11740.8	12387.5	12745.4	13444.7	12687.9	9719.3
65°	9400.7	9409.3	9715.4	10921.9	12528.2	12756.8	13342.3	13698.2	13982.4	12587.5	9106.0
67.5°	9755.6	9804.4	10326.8	11821.2	13789.1	14039.8	14731.5	14737.2	14282.8	11998.2	7898.6
70°	10273.2	10373.7	11167.7	13068.7	15582.0	15926.4	16460.3	15347.6	13860.9	10400.4	6214.8
72.5°	10732.4	10919.9	12062.3	14496.1	17767.1	18028.3	17471.5	14995.5	12097.7	7794.4	3871.8
74°	10545.9	10778.3	12224.9	15199.3	18589.9	18715.3	17130.0	13968.0	10086.6	5397.8	2250.2
75°	10144.0	10396.6	11987.6	15192.6	18485.6	18415.8	16305.3	12794.1	8307.2	3681.4	1497.3
77.5°	8186.6	8453.5	10101.0	13020.9	15157.2	15091.2	12525.3	8582.7	3638.4	1207.4	760.6
80°	4759.7	4963.4	6270.3	8268.9	10220.6	10340.2	8237.3	4246.9	1431.2	678.3	515.7
82.5°	2114.3	2255.0	3029.0	4221.0	6167.9	6322.0	4313.8	2225.3	884.0	412.3	310.0
85°	1387.2	1491.5	1838.8	2010.1	2937.1	3042.4	2111.5	1732.6	583.6	226.7	227.7
87.5°	997.9	1098.3	1366.2	1193.0	1348.0	1276.3	1149.0	1603.5	234.4	129.2	76.5
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: P319920

CATALOG NUMBER: GAN-SA6B-727-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5	4785.5
2.5°	4740.5	4725.2	4690.8	4625.7	4589.4	4558.7	4508.0	4478.4	4465.0	4464.0	4469.8
5°	4622.8	4587.4	4498.5	4389.4	4302.3	4222.9	4124.4	4065.1	4023.0	3998.1	4004.8
7.5°	4486.0	4430.5	4290.9	4116.7	3977.1	3823.0	3670.9	3580.0	3509.2	3456.6	3466.2
10°	4392.3	4315.7	4112.0	3861.3	3628.8	3404.9	3195.4	3070.1	2970.6	2894.1	2899.8
12.5°	4360.7	4257.4	3975.1	3640.3	3314.1	3007.9	2734.3	2542.0	2439.6	2352.6	2359.3
15°	4365.5	4226.8	3860.3	3441.3	3030.9	2645.3	2313.3	2088.5	1949.8	1889.5	1890.5
17.5°	4369.3	4191.4	3739.8	3228.0	2750.6	2306.6	1946.0	1718.3	1587.2	1531.7	1532.7
20°	4356.9	4134.0	3590.6	2983.0	2457.8	1995.7	1646.5	1453.2	1353.8	1310.7	1310.7
22.5°	4340.6	4066.0	3422.2	2737.2	2168.9	1725.9	1432.2	1284.9	1227.5	1198.8	1197.8
25°	4348.3	4015.3	3250.0	2484.6	1902.9	1510.7	1289.7	1192.1	1153.8	1135.6	1134.7
27.5°	4389.4	3991.4	3091.1	2233.0	1670.4	1349.0	1194.0	1125.1	1100.2	1088.7	1088.7
30°	4464.0	3991.4	2925.6	2018.7	1477.2	1229.4	1120.3	1073.4	1056.2	1048.6	1048.6
32.5°	4594.1	4013.4	2765.9	1806.3	1323.1	1135.6	1059.1	1027.5	1014.1	1010.3	1010.3
35°	4818.0	4088.0	2609.9	1605.4	1198.8	1059.1	1000.7	982.5	973.0	972.0	974.9
37.5°	5132.8	4240.2	2463.5	1457.1	1110.7	996.9	951.9	937.6	931.8	936.6	940.5
40°	5528.9	4446.8	2330.6	1323.1	1043.8	947.1	907.0	897.4	894.5	901.2	907.0
42.5°	6007.2	4726.2	2221.5	1226.5	992.1	905.1	868.7	857.2	854.3	862.0	869.7
45°	6524.8	5026.6	2145.0	1154.8	951.9	873.5	835.2	822.8	817.0	820.9	829.5
47.5°	6995.5	5310.7	2114.3	1104.0	913.7	846.7	805.6	790.2	780.7	778.8	785.5
50°	7392.5	5522.2	2128.7	1073.4	883.0	817.0	776.9	759.6	745.3	736.7	741.5
52.5°	7681.5	5655.1	2142.1	1060.0	859.1	784.5	745.3	729.0	709.9	695.5	695.5
55°	7891.0	5685.8	2112.4	1049.5	841.0	749.1	709.9	694.6	675.4	659.2	657.3
57.5°	7973.3	5599.7	2002.4	1034.2	828.5	715.6	672.6	661.1	644.8	625.7	624.7
60°	7862.3	5333.7	1790.0	1001.7	812.3	687.9	635.3	627.6	620.0	601.8	600.8
62.5°	7416.5	4750.1	1515.4	935.7	779.7	658.2	600.8	604.6	605.6	593.2	591.2
65°	6608.0	3948.4	1247.6	849.6	730.9	622.8	565.4	583.6	594.1	592.2	589.3
67.5°	5433.2	3073.0	1057.2	758.7	666.8	574.0	527.1	548.2	556.8	563.5	561.6
70°	4032.6	2167.0	874.4	663.0	589.3	516.6	477.4	487.9	482.2	489.8	492.7
72.5°	2248.3	1300.2	712.8	567.3	509.0	449.7	421.9	420.0	407.6	407.6	407.6
74°	1349.0	953.8	626.6	508.0	460.2	405.6	381.7	373.1	361.6	362.6	361.6
75°	1084.9	819.9	575.0	468.8	425.7	379.8	355.9	344.4	335.8	335.8	334.9
77.5°	685.0	622.8	463.0	373.1	340.6	312.8	296.6	281.3	281.3	280.3	279.4
80°	517.6	495.6	360.7	282.2	261.2	240.1	229.6	222.9	222.9	225.8	224.8
82.5°	354.9	373.1	253.5	197.1	186.6	171.3	169.3	170.3	167.4	163.6	162.6
85°	259.3	280.3	171.3	124.4	113.8	104.3	111.9	115.8	111.0	102.4	98.5
87.5°	99.5	183.7	91.8	51.7	47.8	41.1	47.8	49.7	53.6	42.1	43.1
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)