

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: P322500

Luminaire Tested: **GAN-SA6D-727-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27561 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

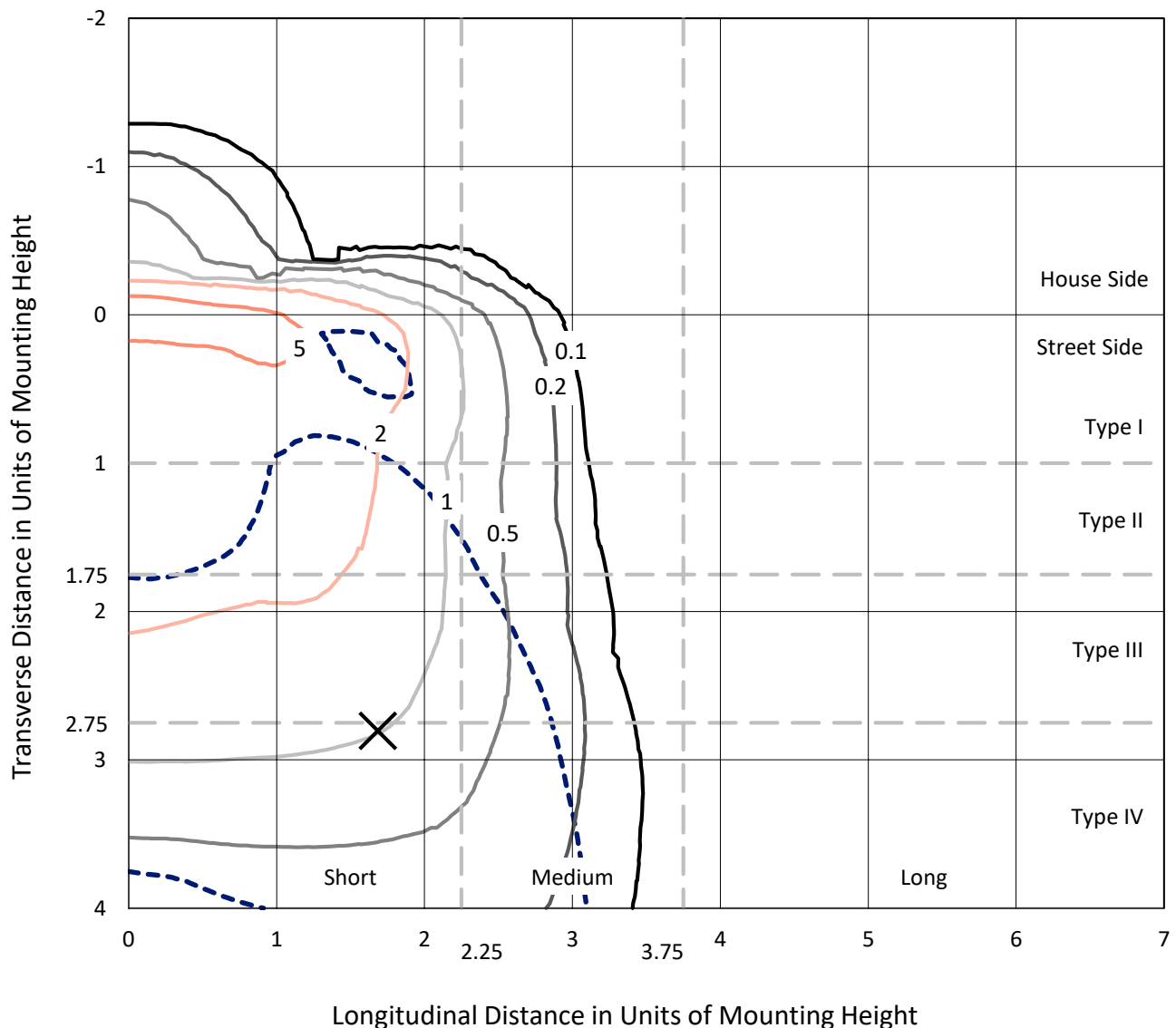
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322500
 CATALOG NUMBER: GAN-SA6D-727-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

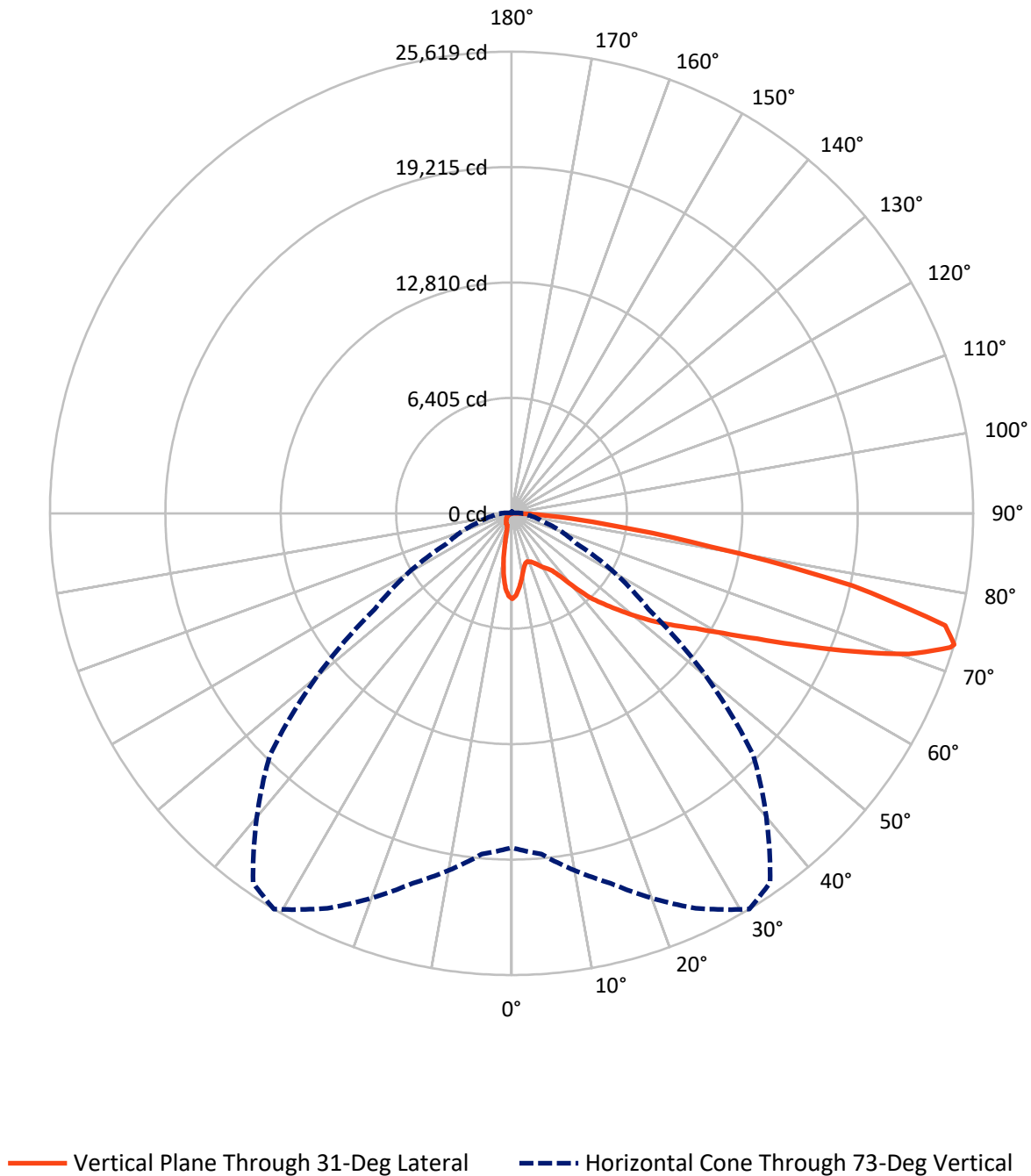
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P322500
CATALOG NUMBER: GAN-SA6D-727-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P322500

CATALOG NUMBER: GAN-SA6D-727-U-T4FT-HSS

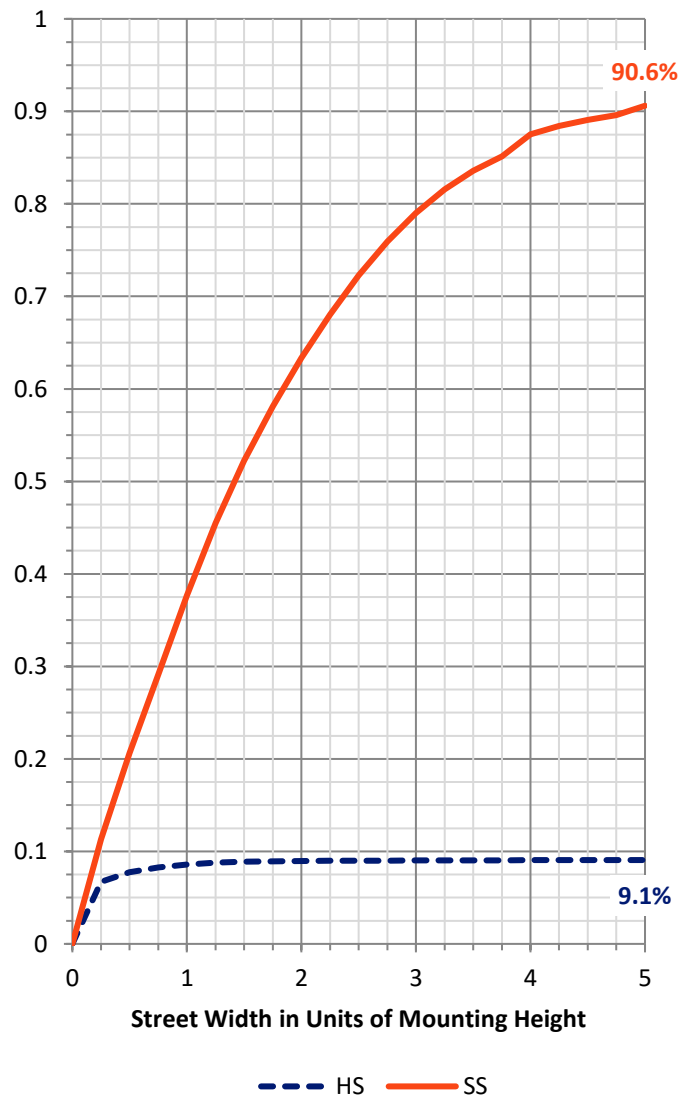
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2512.3	0.0	2512.3
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	25048.7	0.0	25048.7
	% Fixture	90.9	0.0	90.9
Total	Lumens	27561.0	0.0	27561.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.2	1.4
10°-20°	853.7	3.1
20°-30°	1279.1	4.6
30°-40°	2035.0	7.4
40°-50°	3634.0	13.2
50°-60°	5638.9	20.5
60°-70°	7496.1	27.2
70°-80°	5638.6	20.5
80°-90°	592.5	2.1
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°	27561.0	100.0
0°-180°	27561.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322500

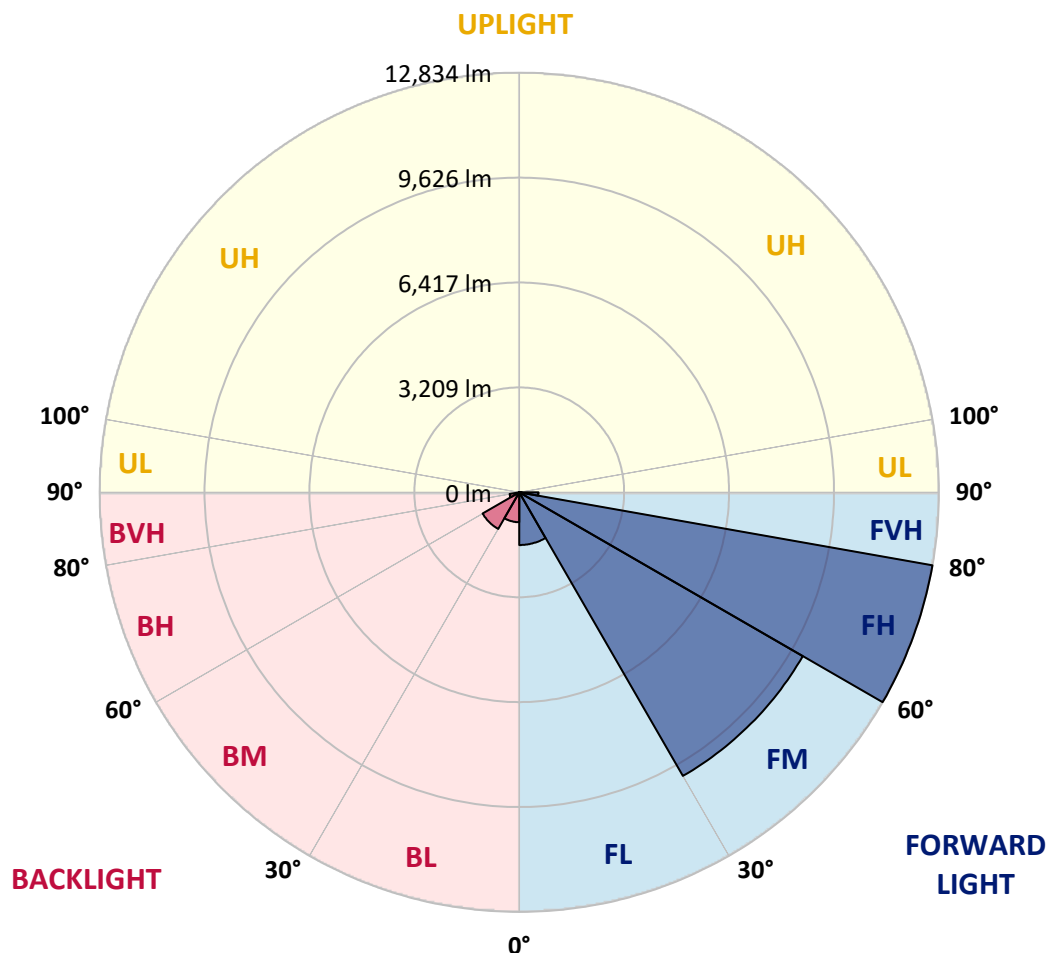
CATALOG NUMBER: GAN-SA6D-727-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1612.4	5.9			
FM	(30°-60°)	10014.7	36.3			
FH	(60°-80°)	12834.1	46.6			G5
FVH	(80°-90°)	587.5	2.1			G4/750
BL	(0°-30°)	913.6	3.3	B2/1000		
BM	(30°-60°)	1293.2	4.7	B2/2500		
BH	(60°-80°)	300.6	1.1	B1/500		G1/500
BVH	(80°-90°)	5.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short





REPORT NUMBER: P322500

CATALOG NUMBER: GAN-SA6D-727-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9
2.5°	4493.8	4512.7	4532.9	4536.9	4570.6	4572.0	4620.5	4657.0	4693.4	4728.4	4740.6
5°	4032.5	4063.5	4100.0	4136.4	4207.9	4236.2	4354.9	4476.2	4592.2	4702.8	4756.8
7.5°	3540.3	3575.3	3626.6	3716.9	3796.5	3851.8	4039.3	4255.1	4470.8	4674.5	4791.8
10°	3091.2	3123.5	3177.5	3273.2	3396.0	3471.5	3723.7	4023.1	4340.0	4648.9	4844.4
12.5°	2805.2	2822.8	2852.4	2954.9	3065.5	3150.5	3447.2	3818.1	4232.1	4647.5	4929.4
15°	2752.6	2758.0	2733.8	2779.6	2865.9	2948.2	3248.9	3652.2	4149.9	4669.1	5040.0
17.5°	2836.3	2833.6	2752.6	2747.2	2816.0	2883.5	3151.8	3537.6	4091.9	4719.0	5182.9
20°	2963.0	2953.6	2813.3	2787.7	2860.5	2923.9	3145.1	3494.4	4070.3	4802.6	5356.9
22.5°	3131.6	3115.4	2895.6	2868.6	2946.8	3012.9	3228.7	3536.2	4089.2	4914.6	5559.2
25°	3340.7	3316.4	3037.2	3007.5	3087.1	3153.2	3378.4	3656.2	4145.8	5050.8	5815.5
27.5°	3576.7	3541.6	3263.8	3186.9	3277.3	3346.1	3578.0	3839.7	4234.8	5195.1	6129.7
30°	3799.2	3753.4	3502.5	3375.7	3486.3	3563.2	3793.8	4058.2	4377.8	5417.6	6559.9
32.5°	4023.1	3971.8	3715.6	3564.5	3664.3	3748.0	4016.3	4358.9	4646.2	5757.5	7131.8
35°	4538.3	4484.3	4170.1	3920.6	3919.2	3966.4	4327.9	4770.2	5000.9	6230.9	7814.2
37.5°	5405.5	5374.5	5075.0	4601.7	4474.9	4422.3	4752.7	5261.2	5510.7	6882.3	8584.3
40°	6354.9	6328.0	5992.1	5563.3	5370.4	5240.9	5362.3	5944.9	6230.9	7678.0	9370.6
42.5°	7427.1	7299.0	6700.2	6572.1	6399.4	6301.0	6191.7	6787.9	7115.6	8543.8	10150.1
45°	8400.9	8185.1	7408.2	7214.0	7174.9	7199.2	7259.9	7920.7	8110.9	9572.9	10926.9
47.5°	8980.8	8810.9	8214.8	8028.6	8017.8	8178.3	8636.9	9200.6	9102.2	10469.7	11610.7
50°	9532.4	9378.7	8883.7	8929.5	8979.5	9197.9	10200.0	10516.9	10007.1	11283.0	12237.8
52.5°	9978.8	9744.1	9485.2	9742.8	9988.3	10340.3	11813.0	11698.4	10649.1	11930.3	12774.6
55°	10236.4	10129.9	10255.3	10514.2	10975.5	11547.3	13335.7	12681.6	11118.4	12521.1	13132.0
57.5°	11180.5	10971.4	11220.9	11444.8	12046.3	12846.1	14639.8	13413.9	11457.0	12886.5	13214.3
60°	12322.8	12154.2	12301.2	12673.5	13485.4	14425.4	15859.0	14011.3	11633.6	13121.2	13001.2
62.5°	14140.8	13918.3	13826.6	14243.3	15319.6	16345.9	16784.2	14425.4	11594.5	13017.4	12270.2
65°	16576.5	16345.9	15935.9	16313.5	17682.4	18406.7	17818.6	14513.0	11324.8	12177.1	10422.5
67.5°	19071.6	18904.3	18553.7	19190.2	20425.6	20658.9	18912.4	14300.0	10456.2	9873.6	7363.7
70°	20719.6	20648.1	20876.1	22284.1	23386.0	23318.5	19915.8	13154.9	8150.0	6071.7	3642.8
72.5°	19531.5	19874.0	21557.2	24110.2	25456.2	24905.9	19400.6	10101.5	4658.3	2335.9	1053.3
73°	18546.9	18985.2	21251.0	24179.0	25619.4	25016.5	18967.7	9272.1	3970.5	1843.6	798.4
75°	12902.7	13440.9	17593.4	22518.8	24856.0	23835.1	15810.5	5675.2	1839.6	817.3	322.3
77.5°	6264.6	6662.4	9687.5	16270.4	19330.5	18622.4	9842.6	2114.7	830.8	511.1	148.4
80°	2338.6	2600.2	4205.2	8280.8	11171.0	11463.7	4329.2	799.8	553.0	411.3	75.5
82.5°	612.3	682.4	1551.0	3692.7	5725.1	5992.1	1364.9	403.3	404.6	338.5	45.9
85°	195.6	223.9	484.2	1657.5	2697.3	2368.3	356.0	195.6	294.0	252.2	25.6
87.5°	24.3	31.0	153.7	389.8	594.8	330.4	55.3	58.0	125.4	140.3	14.8
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: P322500

CATALOG NUMBER: GAN-SA6D-727-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9	4741.9
2.5°	4752.7	4746.0	4747.3	4712.3	4689.3	4643.5	4596.3	4574.7	4551.8	4542.3	4551.8
5°	4777.0	4764.9	4729.8	4621.9	4507.3	4358.9	4220.0	4114.8	3982.6	3946.2	3984.0
7.5°	4814.8	4790.5	4688.0	4468.1	4213.2	3930.0	3611.7	3379.8	3189.6	3066.9	3111.4
10°	4870.1	4824.2	4617.8	4244.3	3788.4	3286.7	2834.9	2482.9	2233.4	2130.9	2126.9
12.5°	4963.1	4876.8	4531.5	3953.0	3269.2	2600.2	2008.2	1626.5	1424.2	1293.4	1290.7
15°	5065.6	4938.8	4422.3	3603.6	2665.0	1862.5	1293.4	1003.4	872.6	830.8	825.4
17.5°	5191.0	5010.3	4280.7	3173.4	2032.4	1234.0	844.3	760.7	755.3	751.2	751.2
20°	5348.8	5095.3	4098.6	2681.2	1441.7	824.0	717.5	722.9	725.6	720.2	721.5
22.5°	5532.2	5181.6	3881.5	2152.5	975.1	689.2	686.5	693.2	695.9	693.2	694.6
25°	5745.3	5281.4	3617.1	1598.2	704.0	654.1	660.8	670.3	677.0	677.0	677.0
27.5°	6009.7	5402.8	3298.8	1115.4	608.3	617.7	636.6	654.1	663.5	666.2	666.2
30°	6353.6	5553.8	2917.2	764.7	553.0	569.1	604.2	637.9	655.5	658.2	659.5
32.5°	6787.9	5723.8	2474.8	565.1	505.8	517.9	555.7	612.3	646.0	651.4	651.4
35°	7285.5	5920.7	1998.7	492.3	472.0	476.1	505.8	570.5	629.8	644.7	646.0
37.5°	7830.4	6114.9	1520.0	459.9	443.7	443.7	465.3	520.6	590.7	636.6	642.0
40°	8338.8	6232.2	1065.4	434.3	418.1	418.1	437.0	477.4	543.5	612.3	627.1
42.5°	8808.2	6272.7	741.8	410.0	393.8	397.9	414.0	446.4	496.3	565.1	578.6
45°	9291.0	6265.9	540.8	381.7	369.5	381.7	393.8	418.1	454.5	493.6	496.3
47.5°	9655.1	6209.3	428.9	354.7	346.6	362.8	373.6	389.8	410.0	407.3	407.3
50°	9996.3	6071.7	345.3	318.3	323.7	342.6	348.0	353.4	354.7	329.1	326.4
52.5°	10255.3	5857.3	276.5	279.2	300.8	319.6	314.2	306.1	292.7	261.6	256.2
55°	10341.6	5444.6	217.1	230.6	267.0	291.3	271.1	253.6	227.9	202.3	196.9
57.5°	10185.2	4911.9	176.7	179.4	225.2	245.5	222.5	202.3	174.0	152.4	148.4
60°	9853.4	4319.8	145.7	134.9	174.0	191.5	176.7	156.4	130.8	114.6	113.3
62.5°	9195.2	3688.6	120.0	105.2	132.2	147.0	137.6	122.7	101.2	90.4	89.0
65°	7811.5	2950.9	97.1	85.0	102.5	114.6	106.5	95.8	79.6	71.5	70.1
67.5°	5452.7	1994.7	79.6	70.1	80.9	90.4	83.6	78.2	63.4	62.0	63.4
70°	2629.9	961.6	66.1	56.6	63.4	70.1	67.4	63.4	60.7	70.1	80.9
72.5°	753.9	322.3	52.6	47.2	51.2	55.3	58.0	56.6	66.1	85.0	98.5
73°	579.9	260.3	49.9	44.5	48.6	53.9	56.6	55.3	67.4	86.3	98.5
75°	248.2	125.4	37.8	36.4	40.5	47.2	49.9	49.9	67.4	87.7	94.4
77.5°	111.9	67.4	24.3	28.3	35.1	37.8	41.8	41.8	53.9	67.4	67.4
80°	63.4	36.4	18.9	21.6	25.6	25.6	25.6	22.9	24.3	27.0	29.7
82.5°	40.5	24.3	14.8	17.5	16.2	13.5	10.8	10.8	9.4	10.8	13.5
85°	22.9	13.5	13.5	10.8	6.7	5.4	6.7	5.4	1.3	0.0	1.3
87.5°	13.5	8.1	4.0	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

(END OF REPORT)