

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: P322480

Luminaire Tested: **GAN-SA6B-727-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322480
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-SA6B-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA 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: 20298 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

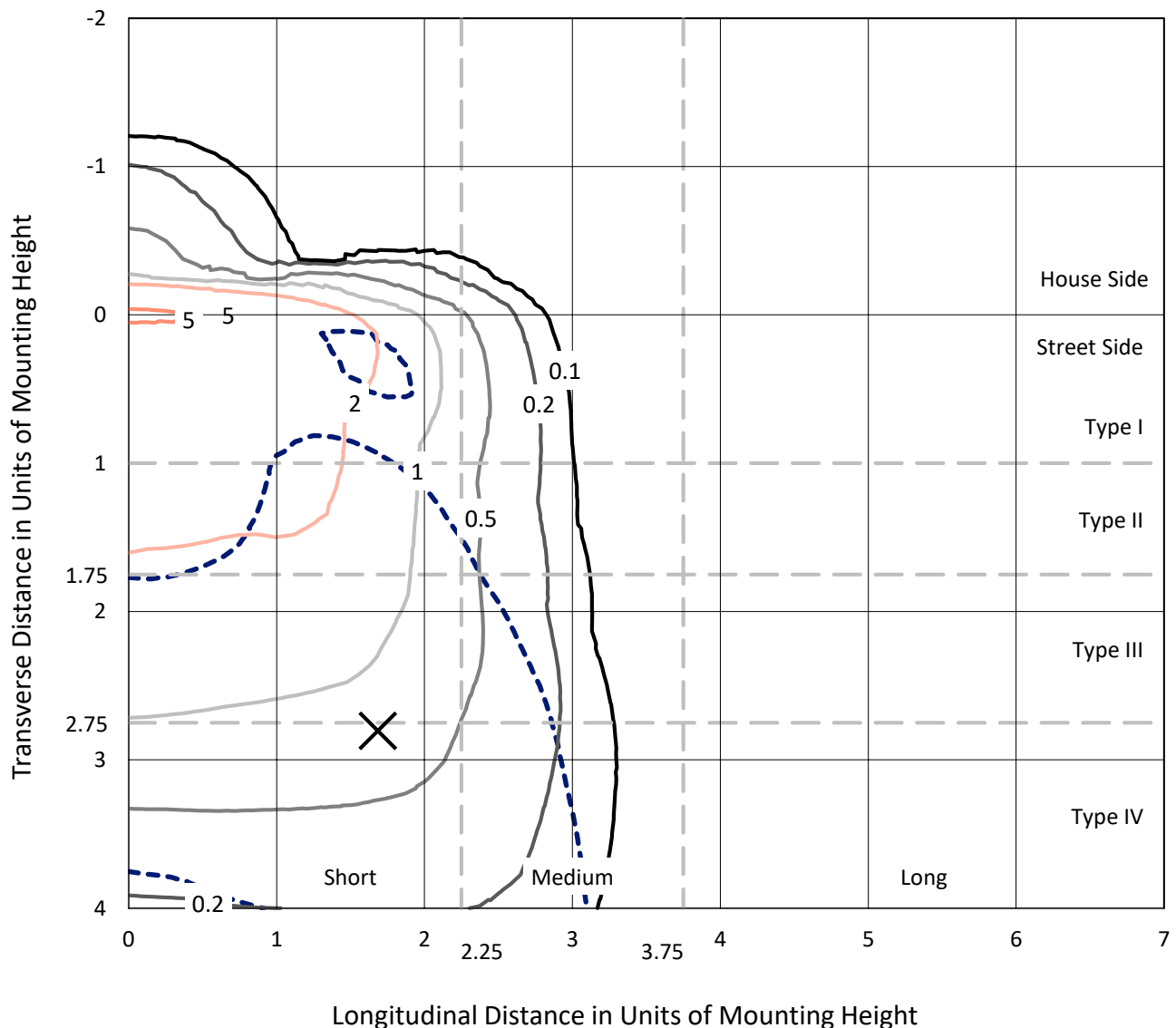
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322480
 CATALOG NUMBER: GAN-SA6B-727-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

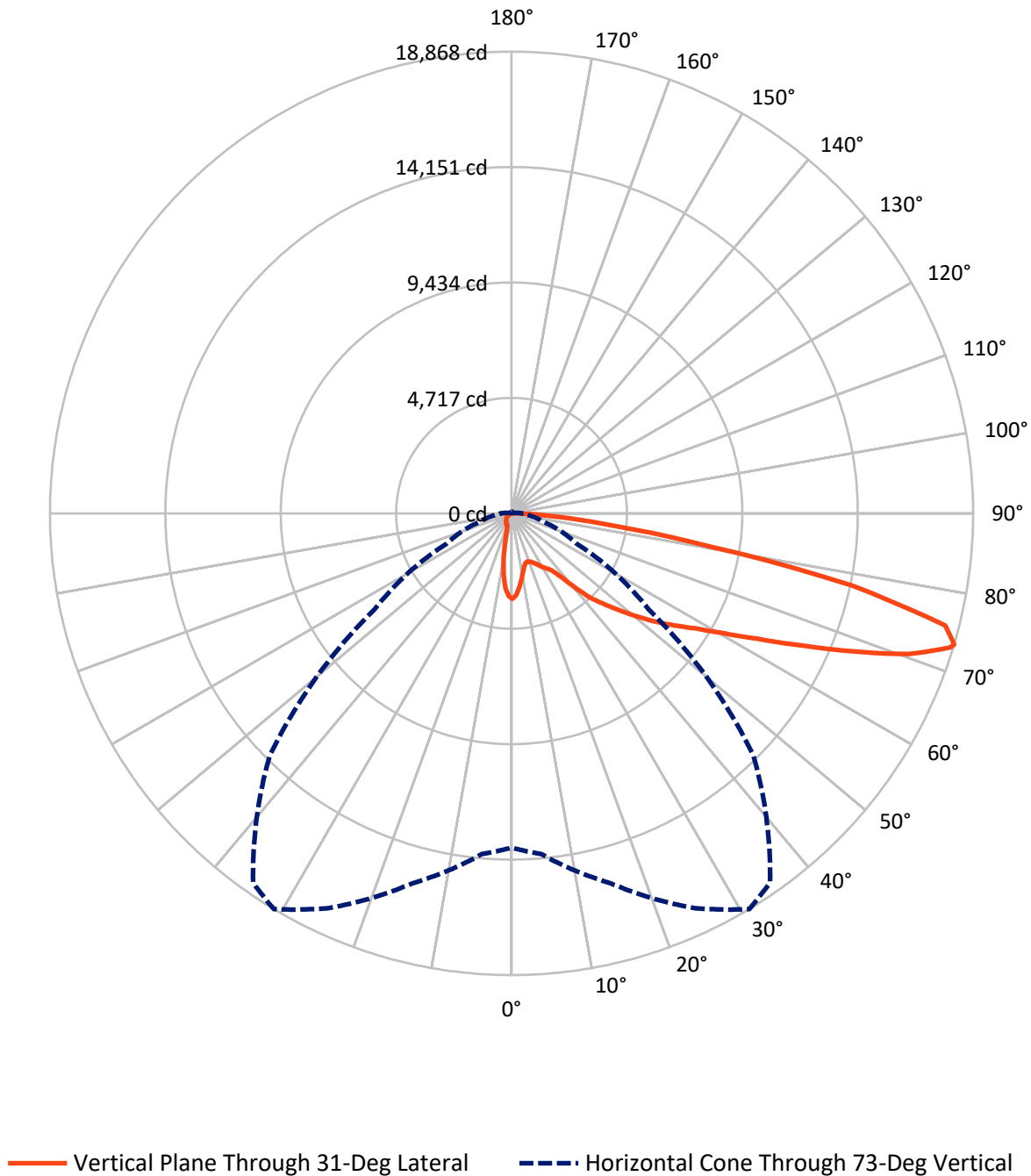
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P322480
CATALOG NUMBER: GAN-SA6B-727-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P322480

CATALOG NUMBER: GAN-SA6B-727-U-T4FT-HSS

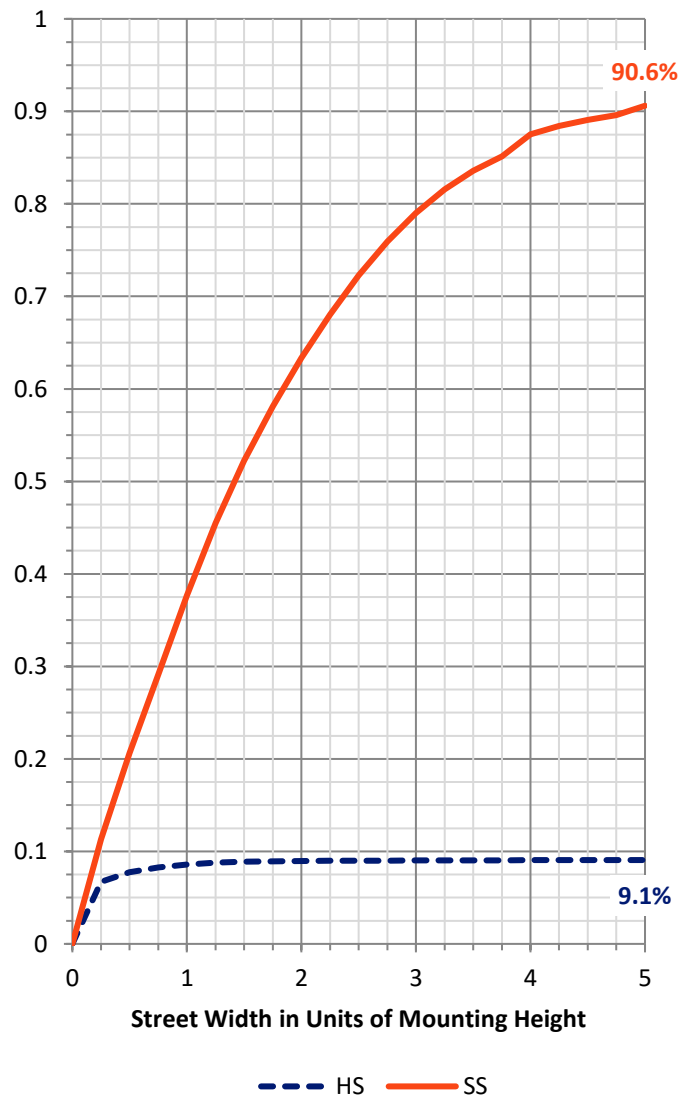
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.2	0.0	1850.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	18447.8	0.0	18447.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	20298.0	0.0	20298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.6	1.4
10°-20°	628.7	3.1
20°-30°	942.0	4.6
30°-40°	1498.7	7.4
40°-50°	2676.3	13.2
50°-60°	4152.9	20.5
60°-70°	5520.7	27.2
70°-80°	4152.7	20.5
80°-90°	436.4	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°	20298.0	100.0
0°-180°	20298.0	100.0

Coefficient of Utilization



REPORT NUMBER: P322480

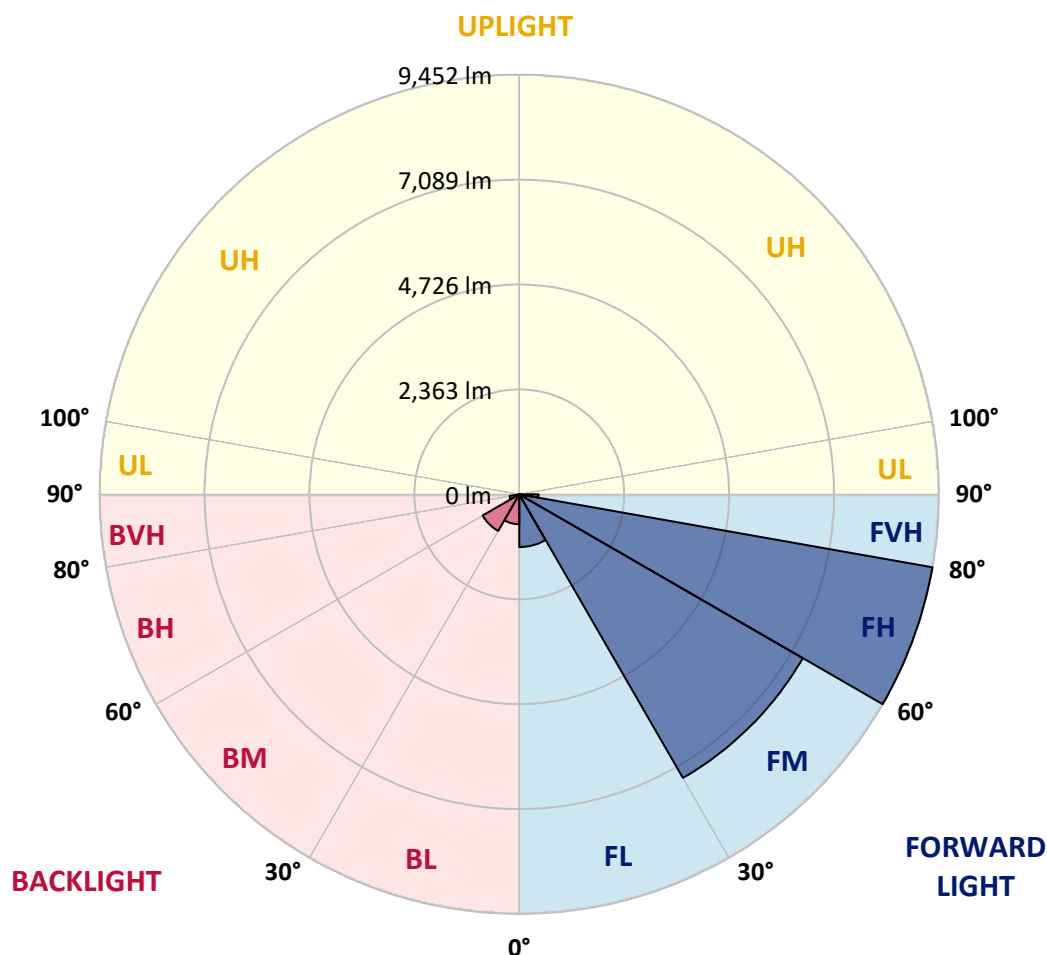
CATALOG NUMBER: GAN-SA6B-727-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1187.5	5.9			
FM	(30°-60°)	7375.6	36.3			
FH	(60°-80°)	9452.0	46.6			G4/12000
FVH	(80°-90°)	432.7	2.1			G3/500
BL	(0°-30°)	672.8	3.3	B2/1000		
BM	(30°-60°)	952.4	4.7	B1/1000		
BH	(60°-80°)	221.4	1.1	B1/500		G1/500
BVH	(80°-90°)	3.7	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-G4

Type IV Short





REPORT NUMBER: P322480

CATALOG NUMBER: GAN-SA6B-727-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3
2.5°	3309.6	3323.5	3338.4	3341.3	3366.2	3367.2	3402.9	3429.7	3456.6	3482.4	3491.3
5°	2969.9	2992.7	3019.5	3046.3	3099.0	3119.8	3207.2	3296.6	3382.1	3463.5	3503.2
7.5°	2607.3	2633.1	2670.9	2737.4	2796.0	2836.8	2974.8	3133.7	3292.7	3442.6	3529.1
10°	2276.6	2300.4	2340.1	2410.6	2501.0	2556.7	2742.4	2962.9	3196.3	3423.8	3567.8
12.5°	2066.0	2078.9	2100.8	2176.2	2257.7	2320.3	2538.8	2811.9	3116.9	3422.8	3630.4
15°	2027.2	2031.2	2013.3	2047.1	2110.7	2171.3	2392.8	2689.8	3056.3	3438.7	3711.8
17.5°	2088.8	2086.8	2027.2	2023.3	2073.9	2123.6	2321.3	2605.3	3013.6	3475.4	3817.1
20°	2182.2	2175.2	2071.9	2053.1	2106.7	2153.4	2316.3	2573.5	2997.7	3537.0	3945.2
22.5°	2306.4	2294.4	2132.5	2112.7	2170.3	2218.9	2377.9	2604.3	3011.6	3619.5	4094.2
25°	2460.3	2442.4	2236.8	2215.0	2273.6	2322.2	2488.1	2692.7	3053.3	3719.8	4282.9
27.5°	2634.1	2608.3	2403.7	2347.1	2413.6	2464.3	2635.1	2827.8	3118.8	3826.0	4514.4
30°	2798.0	2764.3	2579.5	2486.1	2567.6	2624.2	2794.0	2988.7	3224.1	3989.9	4831.2
32.5°	2962.9	2925.2	2736.4	2625.2	2698.7	2760.3	2957.9	3210.2	3421.8	4240.2	5252.4
35°	3342.3	3302.6	3071.2	2887.4	2886.4	2921.2	3187.4	3513.2	3683.0	4588.9	5755.0
37.5°	3981.0	3958.2	3737.6	3389.0	3295.6	3256.9	3500.3	3874.7	4058.5	5068.6	6322.1
40°	4680.3	4660.4	4413.1	4097.2	3955.2	3859.8	3949.2	4378.3	4588.9	5654.6	6901.2
42.5°	5469.9	5375.5	4934.5	4840.2	4713.0	4640.5	4560.1	4999.1	5240.5	6292.3	7475.3
45°	6187.0	6028.1	5456.0	5313.0	5284.2	5302.0	5346.7	5833.4	5973.5	7050.2	8047.4
47.5°	6614.1	6489.0	6050.0	5912.9	5904.9	6023.1	6360.9	6776.0	6703.5	7710.7	8551.0
50°	7020.4	6907.2	6542.6	6576.4	6613.1	6774.1	7512.0	7745.5	7370.0	8309.6	9012.9
52.5°	7349.2	7176.3	6985.6	7175.3	7356.1	7615.3	8700.0	8615.6	7842.8	8786.4	9408.2
55°	7538.9	7460.4	7552.8	7743.5	8083.2	8504.3	9821.4	9339.7	8188.5	9221.5	9671.4
57.5°	8234.1	8080.2	8263.9	8428.8	8871.8	9460.8	10781.9	9879.0	8437.8	9490.6	9732.0
60°	9075.4	8951.3	9059.6	9333.7	9931.6	10623.9	11679.8	10319.0	8567.9	9663.5	9575.1
62.5°	10414.4	10250.5	10182.9	10489.8	11282.5	12038.3	12361.2	10623.9	8539.1	9587.0	9036.7
65°	12208.2	12038.3	11736.4	12014.5	13022.7	13556.1	13123.0	10688.5	8340.4	8968.2	7675.9
67.5°	14045.7	13922.6	13664.3	14133.1	15043.0	15214.8	13928.5	10531.6	7700.8	7271.7	5423.2
70°	15259.5	15206.9	15374.7	16411.7	17223.2	17173.5	14667.5	9688.3	6002.3	4471.7	2682.8
72.5°	14384.4	14636.7	15876.3	17756.6	18747.8	18342.6	14288.1	7439.5	3430.7	1720.3	775.7
73°	13659.4	13982.2	15650.8	17807.2	18868.0	18424.0	13969.2	6828.7	2924.2	1357.8	588.0
75°	9502.5	9898.9	12957.1	16584.5	18305.8	17553.9	11644.0	4179.7	1354.8	601.9	237.4
77.5°	4613.7	4906.7	7134.6	11982.7	14236.4	13715.0	7248.8	1557.4	611.8	376.4	109.3
80°	1722.3	1915.0	3097.0	6098.6	8227.2	8442.7	3188.4	589.0	407.2	302.9	55.6
82.5°	450.9	502.6	1142.3	2719.6	4216.4	4413.1	1005.2	297.0	298.0	249.3	33.8
85°	144.0	164.9	356.6	1220.7	1986.5	1744.2	262.2	144.0	216.5	185.7	18.9
87.5°	17.9	22.8	113.2	287.1	438.0	243.3	40.7	42.7	92.4	103.3	10.9
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: P322480

CATALOG NUMBER: GAN-SA6B-727-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3	3492.3
2.5°	3500.3	3495.3	3496.3	3470.5	3453.6	3419.8	3385.0	3369.1	3352.3	3345.3	3352.3
5°	3518.1	3509.2	3483.4	3403.9	3319.5	3210.2	3107.9	3030.4	2933.1	2906.3	2934.1
7.5°	3545.9	3528.1	3452.6	3290.7	3103.0	2894.4	2660.0	2489.1	2349.1	2258.7	2291.5
10°	3586.7	3552.9	3400.9	3125.8	2790.1	2420.6	2087.8	1828.6	1644.8	1569.4	1566.4
12.5°	3655.2	3591.6	3337.4	2911.3	2407.7	1915.0	1479.0	1197.9	1048.9	952.5	950.6
15°	3730.7	3637.3	3256.9	2654.0	1962.7	1371.7	952.5	739.0	642.6	611.8	607.9
17.5°	3823.1	3690.0	3152.6	2337.1	1496.8	908.8	621.8	560.2	556.2	553.2	553.2
20°	3939.3	3752.5	3018.5	1974.6	1061.8	606.9	528.4	532.4	534.4	530.4	531.4
22.5°	4074.4	3816.1	2858.6	1585.2	718.1	507.6	505.6	510.5	512.5	510.5	511.5
25°	4231.3	3889.6	2663.9	1177.0	518.5	481.7	486.7	493.7	498.6	498.6	498.6
27.5°	4426.0	3979.0	2429.5	821.4	448.0	454.9	468.8	481.7	488.7	490.7	490.7
30°	4679.3	4090.3	2148.4	563.2	407.2	419.2	445.0	469.8	482.7	484.7	485.7
32.5°	4999.1	4215.4	1822.6	416.2	372.5	381.4	409.2	450.9	475.8	479.7	479.7
35°	5365.6	4360.4	1472.0	362.5	347.6	350.6	372.5	420.2	463.9	474.8	475.8
37.5°	5766.9	4503.5	1119.4	338.7	326.8	326.8	342.7	383.4	435.0	468.8	472.8
40°	6141.3	4589.9	784.7	319.8	307.9	307.9	321.8	351.6	400.3	450.9	461.9
42.5°	6487.0	4619.7	546.3	302.0	290.0	293.0	304.9	328.8	365.5	416.2	426.1
45°	6842.6	4614.7	398.3	281.1	272.2	281.1	290.0	307.9	334.7	363.5	365.5
47.5°	7110.8	4573.0	315.9	261.2	255.3	267.2	275.1	287.1	302.0	300.0	300.0
50°	7362.1	4471.7	254.3	234.4	238.4	252.3	256.3	260.2	261.2	242.4	240.4
52.5°	7552.8	4313.7	203.6	205.6	221.5	235.4	231.4	225.5	215.5	192.7	188.7
55°	7616.3	4009.8	159.9	169.8	196.7	214.5	199.6	186.7	167.9	149.0	145.0
57.5°	7501.1	3617.5	130.1	132.1	165.9	180.8	163.9	149.0	128.1	112.2	109.3
60°	7256.8	3181.4	107.3	99.3	128.1	141.0	130.1	115.2	96.3	84.4	83.4
62.5°	6772.1	2716.6	88.4	77.5	97.3	108.3	101.3	90.4	74.5	66.5	65.6
65°	5753.0	2173.3	71.5	62.6	75.5	84.4	78.5	70.5	58.6	52.6	51.6
67.5°	4015.8	1469.0	58.6	51.6	59.6	66.5	61.6	57.6	46.7	45.7	46.7
70°	1936.9	708.2	48.7	41.7	46.7	51.6	49.7	46.7	44.7	51.6	59.6
72.5°	555.2	237.4	38.7	34.8	37.7	40.7	42.7	41.7	48.7	62.6	72.5
73°	427.1	191.7	36.8	32.8	35.8	39.7	41.7	40.7	49.7	63.6	72.5
75°	182.8	92.4	27.8	26.8	29.8	34.8	36.8	36.8	49.7	64.6	69.5
77.5°	82.4	49.7	17.9	20.9	25.8	27.8	30.8	30.8	39.7	49.7	49.7
80°	46.7	26.8	13.9	15.9	18.9	18.9	18.9	16.9	17.9	19.9	21.9
82.5°	29.8	17.9	10.9	12.9	11.9	9.9	7.9	7.9	7.0	7.9	9.9
85°	16.9	9.9	9.9	7.9	5.0	4.0	5.0	4.0	1.0	0.0	1.0
87.5°	9.9	6.0	3.0	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)