

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: P323434

Luminaire Tested: **GAN-SA0A-727-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0A-727-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32955 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

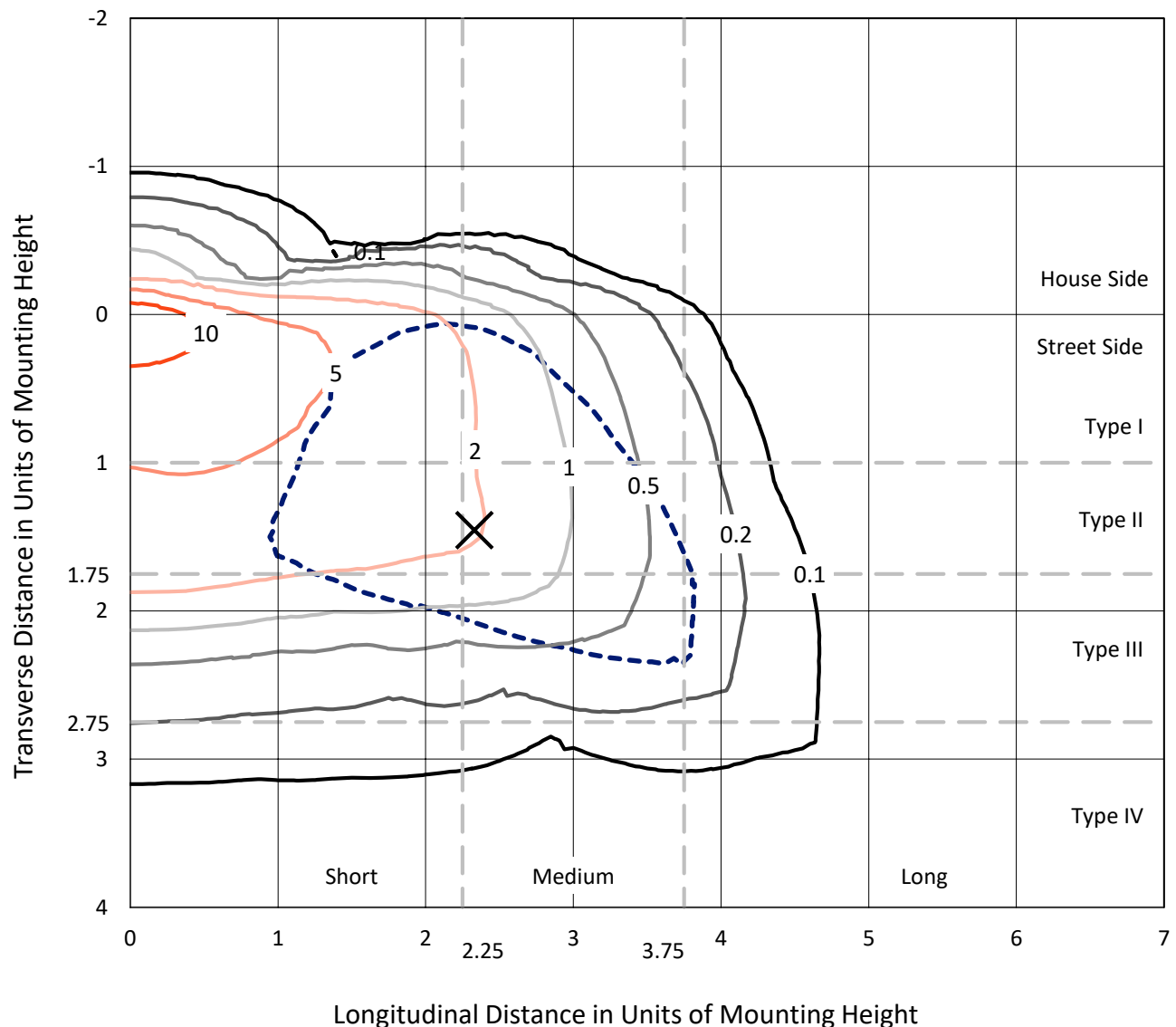
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323434
 CATALOG NUMBER: GAN-SA0A-727-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

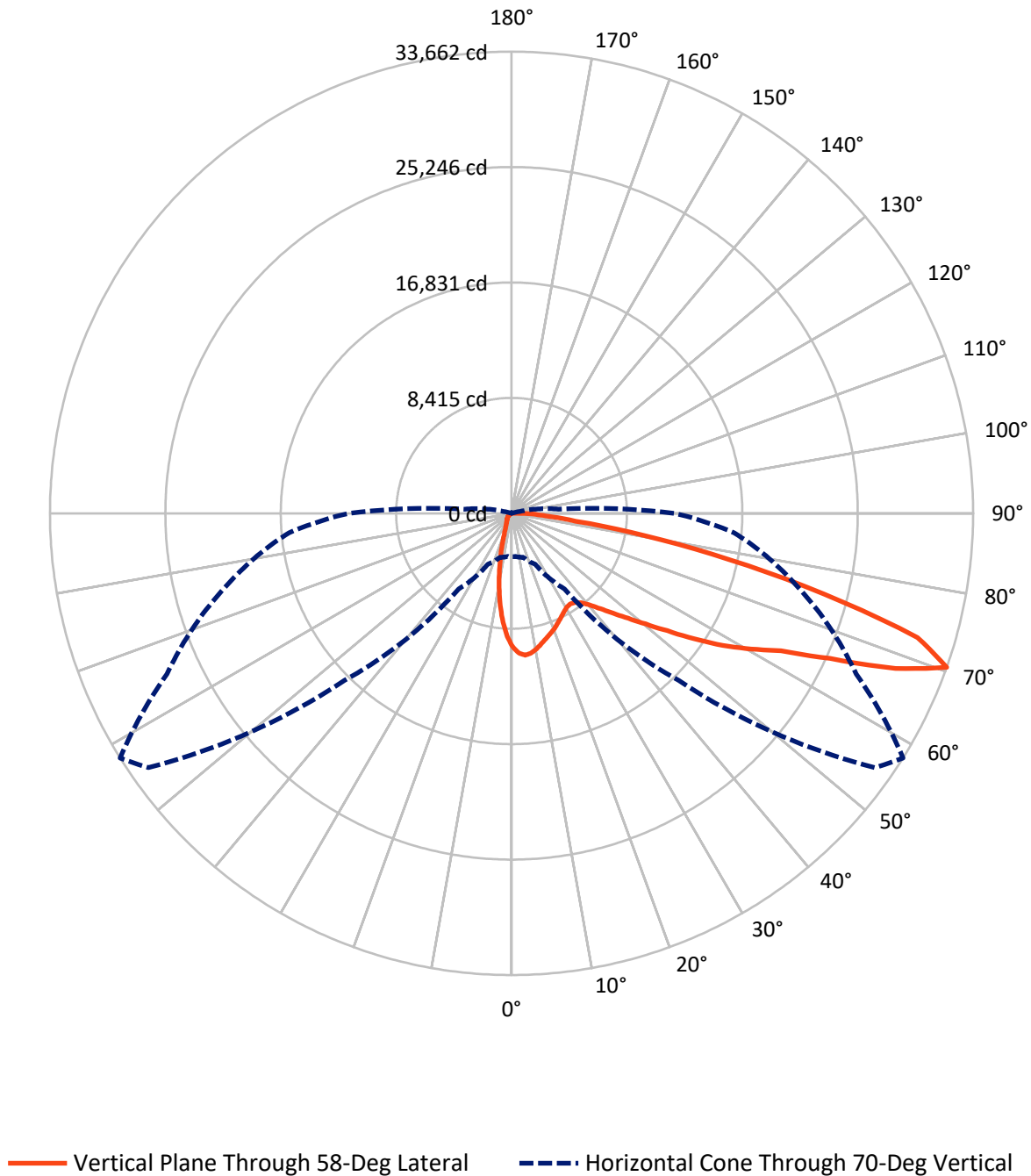
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P323434
CATALOG NUMBER: GAN-SA0A-727-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P323434

CATALOG NUMBER: GAN-SA0A-727-U-SL3-HSS

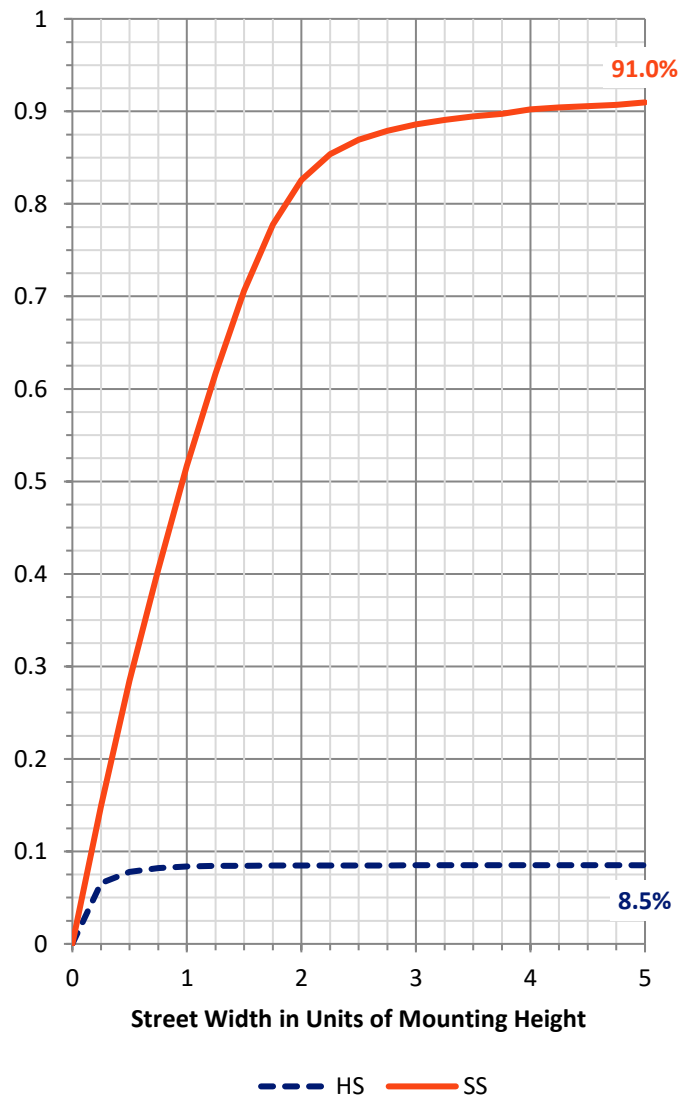
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2820.2	0.0	2820.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	30134.8	0.0	30134.8
	% Fixture	91.4	0.0	91.4
Total	Lumens	32955.0	0.0	32955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.1	2.4
10°-20°	1670.7	5.1
20°-30°	2196.4	6.7
30°-40°	2908.9	8.8
40°-50°	4348.0	13.2
50°-60°	6965.3	21.1
60°-70°	8779.6	26.6
70°-80°	4735.7	14.4
80°-90°	554.3	1.7
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°	32955.0	100.0
0°-180°	32955.0	100.0

Coefficient of Utilization



REPORT NUMBER: P323434

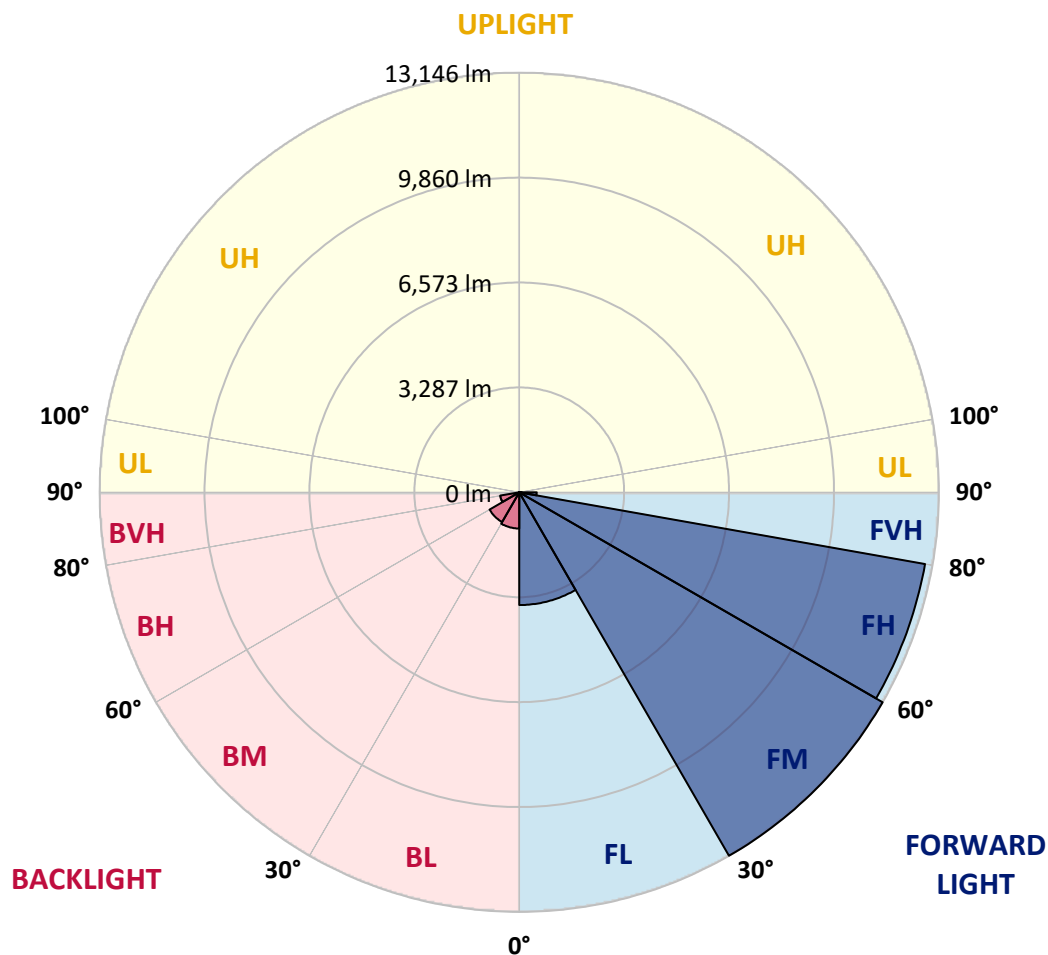
CATALOG NUMBER: GAN-SA0A-727-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3530.2	10.7			
FM	(30°-60°)	13146.3	39.9			
FH	(60°-80°)	12908.8	39.2			G5
FVH	(80°-90°)	549.5	1.7			G4/750
BL	(0°-30°)	1133.1	3.4	B3/2500		
BM	(30°-60°)	1075.9	3.3	B2/2500		
BH	(60°-80°)	606.5	1.8	B2/1000		G2/1000
BVH	(80°-90°)	4.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



REPORT NUMBER: P323434

CATALOG NUMBER: GAN-SA0A-727-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8
2.5°	10541.9	10515.8	10506.2	10489.8	10426.8	10365.1	10243.1	10208.9	10132.1	9949.9	9756.7
5°	10550.1	10548.7	10577.5	10570.6	10548.7	10519.9	10432.2	10387.0	10256.8	9996.5	9642.9
7.5°	10041.7	10067.7	10132.1	10184.2	10244.5	10322.6	10333.6	10289.7	10182.8	9901.9	9433.3
10°	9359.3	9400.4	9490.8	9593.6	9751.2	9907.4	10047.2	10041.7	10004.7	9727.9	9181.1
12.5°	8675.5	8723.5	8827.6	8979.7	9203.1	9457.9	9707.3	9741.6	9803.3	9571.7	8948.2
15°	8076.7	8117.8	8220.5	8406.9	8683.7	9026.3	9392.2	9455.2	9614.2	9449.7	8753.6
17.5°	7568.3	7594.3	7669.7	7876.6	8197.3	8612.5	9088.0	9211.3	9448.4	9353.8	8585.1
20°	7213.4	7217.5	7266.8	7412.1	7732.7	8197.3	8772.8	8949.6	9273.0	9271.6	8411.0
22.5°	7038.0	7024.3	7033.9	7117.4	7353.1	7801.2	8457.6	8667.3	9115.4	9201.7	8234.3
25°	7005.1	6994.1	6966.7	6977.7	7120.2	7454.5	8139.7	8382.2	8977.0	9159.2	8080.8
27.5°	7107.8	7118.8	7072.2	7022.9	7033.9	7229.8	7857.4	8138.3	8864.6	9159.2	7972.5
30°	7314.8	7320.2	7286.0	7221.6	7135.3	7166.8	7661.5	7942.4	8808.4	9222.3	7904.0
32.5°	7543.6	7573.8	7569.6	7517.6	7394.2	7266.8	7614.9	7871.1	8804.3	9362.0	7897.2
35°	7827.3	7861.5	7919.1	7908.1	7779.3	7569.6	7773.8	7975.3	8885.2	9592.2	7971.1
37.5°	8128.7	8180.8	8304.1	8363.1	8279.5	8042.4	8130.1	8274.0	9101.7	9965.0	8158.9
40°	8420.6	8479.5	8704.3	8935.9	8872.8	8628.9	8670.0	8785.1	9486.7	10500.8	8515.2
42.5°	8707.0	8794.7	9125.0	9505.9	9581.3	9386.7	9408.6	9500.4	10058.1	11238.0	9097.6
45°	9049.6	9148.3	9637.5	10107.5	10308.9	10224.0	10317.1	10377.4	10805.0	12212.3	9882.7
47.5°	9552.5	9666.2	10266.4	10802.2	11155.8	11210.6	11398.3	11438.1	11749.1	13346.9	10906.4
50°	10533.6	10565.2	11107.8	11594.3	12104.0	12432.9	12646.7	12676.8	12892.0	14587.1	12184.9
52.5°	11768.3	11788.9	12095.8	12421.9	13001.6	13673.0	14173.2	14215.7	14260.9	15795.7	13446.9
55°	12994.7	12992.0	13194.8	13386.7	14049.9	15025.6	16110.8	16136.9	15812.1	16942.6	14411.7
57.5°	13760.8	13834.7	14143.1	14389.7	15316.1	16567.2	18073.1	18169.1	17441.4	17792.2	15365.4
60°	13516.8	13552.5	14236.3	15148.9	16893.3	18758.3	20058.7	20083.4	18666.5	18640.5	16571.3
62.5°	11516.2	11535.4	12609.7	14491.1	17692.2	21600.3	22454.1	22052.6	20075.2	19817.6	18014.2
65°	7893.0	8017.7	8915.3	11240.7	16224.6	23383.1	26162.1	25497.5	22222.5	21514.0	19318.8
67.5°	4648.1	4622.1	5066.1	6779.0	11916.3	22199.2	30852.7	30192.3	25150.8	22650.0	18936.4
70°	3175.0	3157.2	3327.1	4104.1	6726.9	17220.8	32328.6	33661.9	27736.6	21885.4	16297.2
72.5°	2266.5	2276.1	2526.9	3188.7	4223.3	10033.5	27801.0	30956.9	26926.8	19079.0	12387.7
75°	1538.9	1564.9	1923.9	2615.9	3702.6	5104.4	19728.5	23532.5	21926.5	13866.3	7120.2
77.5°	827.7	856.4	1279.9	2107.6	3347.7	3546.4	12690.5	16195.8	13773.1	6233.6	2063.7
80°	345.3	361.8	598.8	1532.0	2892.7	3114.7	7466.9	9821.1	5869.1	1229.2	460.4
82.5°	149.4	157.6	249.4	914.0	2162.4	2629.6	3953.4	4724.9	1778.7	270.0	231.6
85°	28.8	30.1	102.8	483.7	1379.9	1484.1	2562.5	2511.8	798.9	116.5	168.5
87.5°	0.0	0.0	24.7	152.1	405.6	808.5	1563.5	1544.4	271.3	56.2	63.0
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: P323434

CATALOG NUMBER: GAN-SA0A-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8	9734.8
2.5°	9658.0	9563.5	9364.8	9119.5	8931.7	8724.8	8560.4	8352.1	8261.7	8265.8	8216.4
5°	9441.5	9246.9	8807.0	8252.1	7824.5	7383.3	7003.7	6625.5	6402.1	6329.5	6261.0
7.5°	9131.8	8823.5	8121.9	7266.8	6543.3	5836.2	5220.9	4679.6	4337.1	4169.9	4108.2
10°	8782.4	8349.4	7334.0	6207.5	5174.3	4217.8	3420.3	2726.9	2450.1	2262.4	2214.4
12.5°	8475.4	7888.9	6563.8	5120.9	3894.4	2740.6	1980.1	1548.5	1360.7	1286.7	1274.4
15°	8186.3	7458.7	5822.5	4137.0	2696.8	1686.9	1259.3	1112.7	1068.8	1056.5	1056.5
17.5°	7913.6	7048.9	5097.6	3168.2	1784.2	1182.6	1042.8	1009.9	996.2	994.9	996.2
20°	7628.6	6639.2	4385.0	2321.3	1245.6	1001.7	963.3	945.5	941.4	941.4	941.4
22.5°	7355.9	6229.5	3691.6	1658.1	999.0	914.0	894.8	882.5	878.4	877.0	874.3
25°	7094.1	5840.3	3014.7	1171.6	877.0	837.3	820.8	804.4	792.0	785.2	781.1
27.5°	6879.0	5493.6	2384.4	940.0	792.0	757.8	737.2	712.6	682.4	668.7	663.2
30°	6707.7	5177.1	1837.6	793.4	712.6	678.3	646.8	604.3	560.5	537.2	535.8
32.5°	6573.4	4866.0	1395.0	701.6	641.3	598.8	553.6	500.2	449.5	423.4	422.1
35°	6507.6	4591.9	1066.1	634.5	578.3	524.8	468.6	409.7	360.4	335.7	333.0
37.5°	6551.5	4360.4	831.8	578.3	524.8	463.2	397.4	335.7	291.9	270.0	268.6
40°	6711.8	4212.4	675.6	530.3	479.6	404.2	333.0	275.4	238.4	220.6	219.3
42.5°	7053.0	4157.5	576.9	490.6	435.8	349.4	276.8	227.5	193.2	180.9	178.1
45°	7623.1	4238.4	509.8	452.2	390.5	297.4	228.8	186.4	156.2	146.6	145.3
47.5°	8382.2	4450.8	461.8	415.2	349.4	250.8	190.5	150.7	127.4	117.8	116.5
50°	9360.7	4787.9	422.1	378.2	311.1	212.4	157.6	119.2	98.7	91.8	91.8
52.5°	10425.4	5189.4	386.4	344.0	272.7	176.8	127.4	91.8	78.1	69.9	69.9
55°	11305.1	5540.2	348.1	317.9	226.1	146.6	97.3	69.9	57.6	53.4	53.4
57.5°	12183.5	5914.3	304.2	272.7	180.9	119.2	74.0	52.1	42.5	39.7	39.7
60°	13322.2	6372.0	261.7	222.0	142.5	90.4	54.8	37.0	31.5	30.1	30.1
62.5°	14574.7	6640.6	223.4	178.1	111.0	67.1	39.7	24.7	23.3	23.3	21.9
65°	15340.7	6261.0	187.7	142.5	86.3	50.7	26.0	17.8	20.6	19.2	16.4
67.5°	14363.7	4901.6	153.5	111.0	67.1	38.4	16.4	12.3	21.9	17.8	13.7
70°	11893.0	3431.3	119.2	78.1	53.4	32.9	11.0	8.2	23.3	17.8	11.0
72.5°	8900.2	2296.7	94.6	52.1	39.7	28.8	9.6	4.1	20.6	15.1	9.6
75°	4863.3	925.0	75.4	32.9	24.7	20.6	6.9	2.7	13.7	11.0	6.9
77.5°	1279.9	243.9	54.8	21.9	13.7	8.2	4.1	1.4	6.9	5.5	2.7
80°	326.1	94.6	35.6	15.1	9.6	4.1	0.0	0.0	1.4	0.0	0.0
82.5°	174.0	39.7	21.9	11.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	131.6	26.0	12.3	6.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	50.7	8.2	4.1	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)