

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: P324104

Luminaire Tested: **GAN-SA0D-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324104
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47614 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

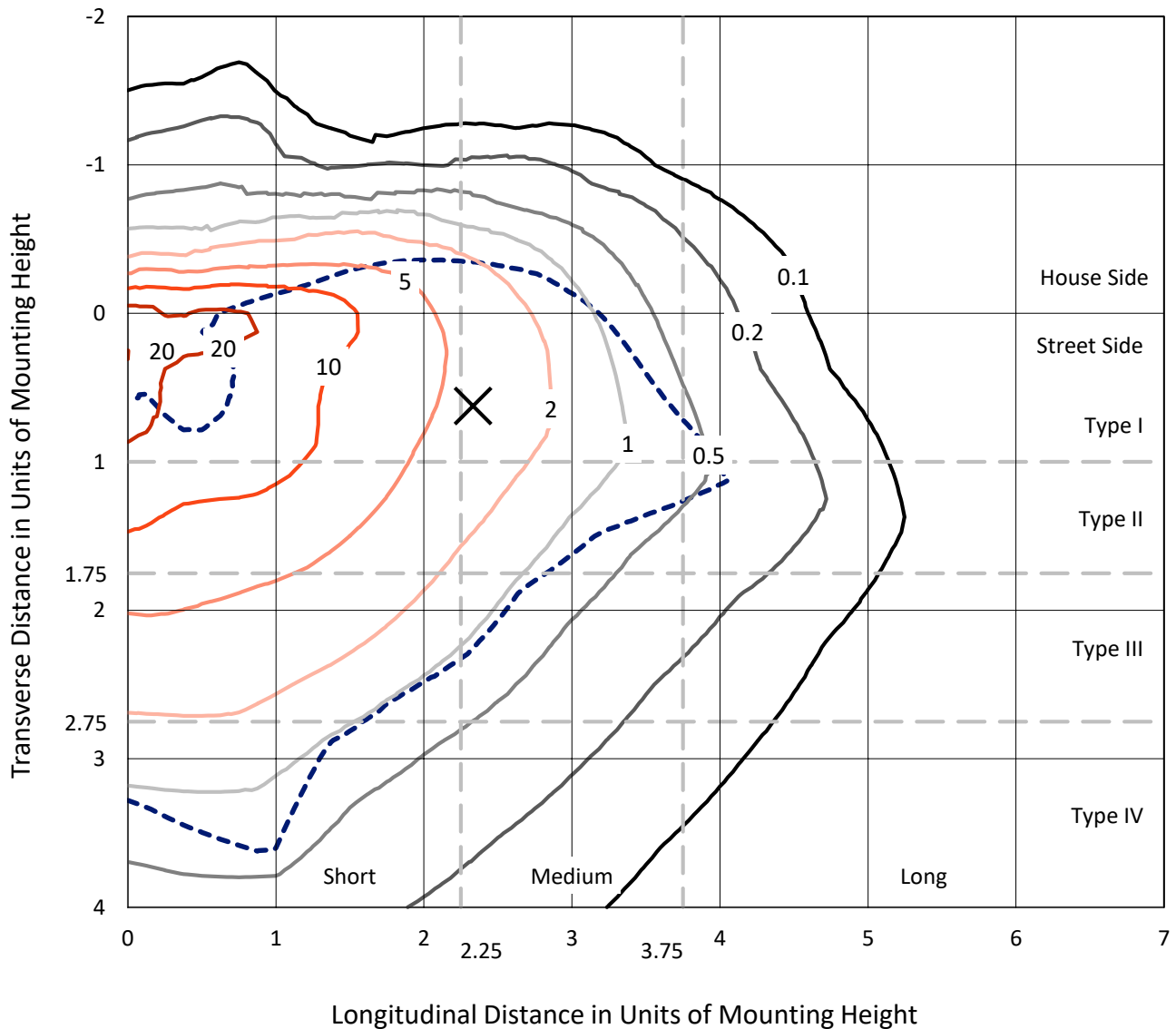
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324104
 CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

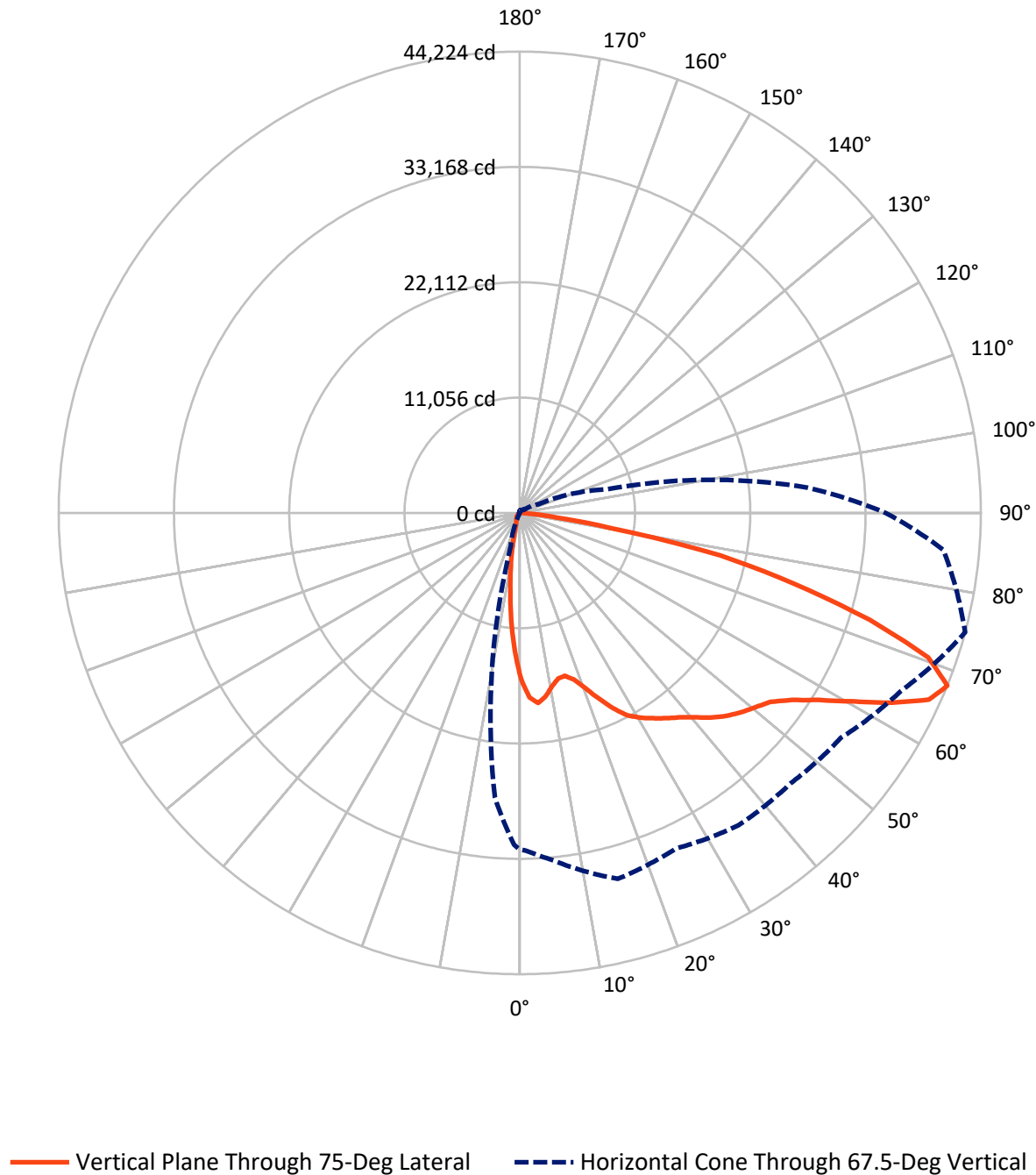
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 33.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P324104
CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324104

CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

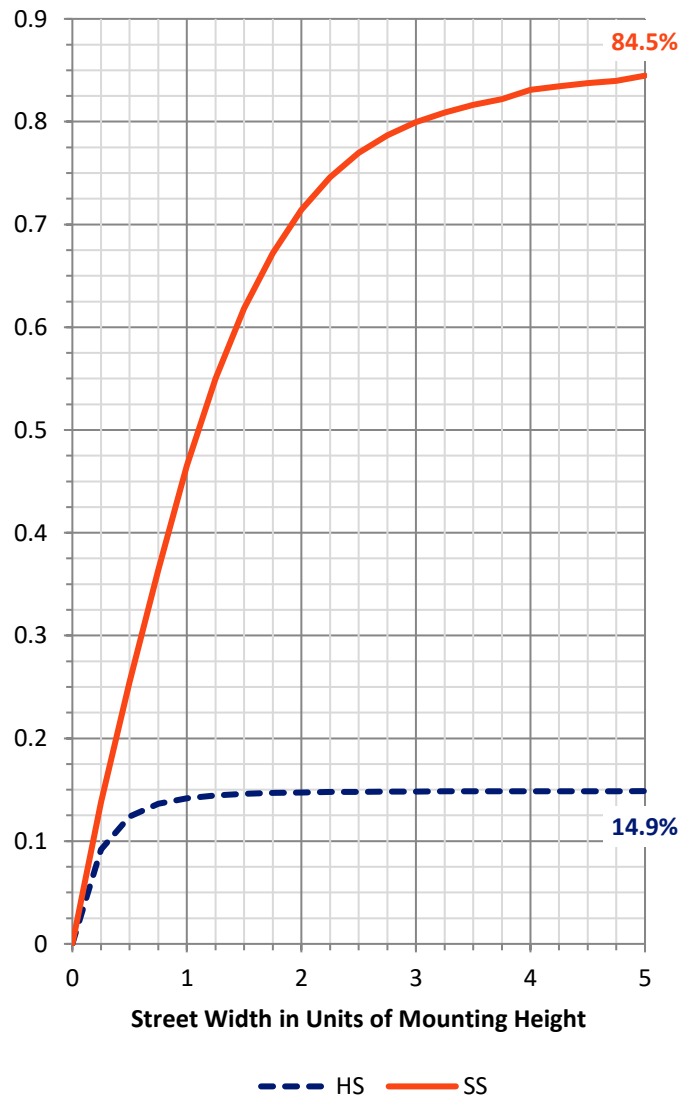
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7145.0	0.0	7145.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	40469.0	0.0	40469.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	47614.0	0.0	47614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1211.7	2.5
10°-20°	2385.8	5.0
20°-30°	3375.2	7.1
30°-40°	4962.6	10.4
40°-50°	7132.8	15.0
50°-60°	10041.1	21.1
60°-70°	11727.2	24.6
70°-80°	5982.8	12.6
80°-90°	794.8	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°	47614.0	100.0
0°-180°	47614.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324104

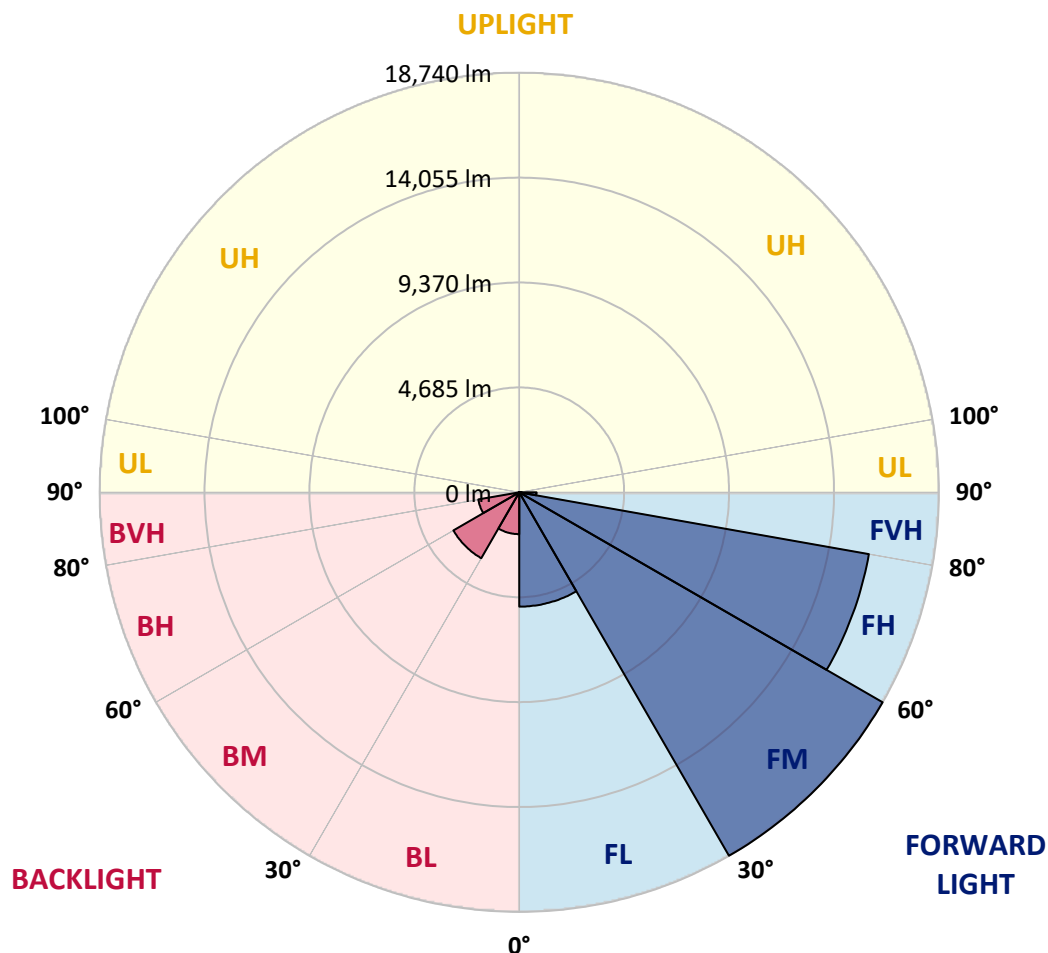
CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5104.2	10.7			
FM	(30°-60°)	18740.0	39.4			
FH	(60°-80°)	15854.1	33.3			G5
FVH	(80°-90°)	770.7	1.6			G5
BL	(0°-30°)	1868.5	3.9	B3/2500		
BM	(30°-60°)	3396.5	7.1	B3/5000		
BH	(60°-80°)	1855.9	3.9	B3/2500		G3/2500
BVH	(80°-90°)	24.1	0.1			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 III Medium



REPORT NUMBER: P324104

CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7
2.5°	17315.7	17342.8	17482.6	17807.4	18161.5	18188.6	18427.7	18181.8	18098.4	17701.4	17290.9
5°	17446.5	17550.3	18030.7	18984.8	19812.6	20078.8	20268.2	19785.5	19278.0	18308.2	17272.9
7.5°	16393.2	16566.9	17322.5	19113.4	20593.0	21247.1	21371.2	20615.6	19372.8	17775.9	16219.5
10°	15044.4	15242.9	16154.1	18355.5	20387.8	21508.8	21680.2	20690.0	18903.6	16914.2	15080.5
12.5°	13952.7	14185.0	15116.6	17502.9	19681.8	20922.3	21260.7	20439.6	18497.6	16303.0	14302.3
15°	13449.7	13715.9	14694.8	16952.6	18899.1	19875.8	20155.4	19801.3	18272.1	16206.0	14121.9
17.5°	13738.4	14027.2	15037.6	17000.0	18163.8	18581.1	18806.6	18951.0	18272.1	16790.2	14649.7
20°	14922.6	15233.9	16303.0	17480.4	17554.8	17399.2	17640.5	18148.0	18484.1	17899.9	15917.3
22.5°	16560.1	16925.5	18132.2	18303.6	17257.1	16668.4	16700.0	17496.2	18869.8	19307.4	17676.6
25°	18556.3	19002.9	20229.9	19530.7	17381.1	16233.1	16221.8	16959.4	19246.5	20717.1	19636.7
27.5°	20538.9	21030.6	22108.7	21028.3	17893.1	16154.1	16131.6	16797.0	19614.1	21971.1	21777.2
30°	22201.2	22679.4	23608.7	22113.2	18445.7	16339.1	16230.8	16970.6	19832.9	22785.4	23338.0
32.5°	23554.5	23938.0	24689.1	22859.8	19036.7	16697.7	16463.1	17435.3	20205.1	23473.3	24772.5
35°	25043.2	25446.9	25746.9	23570.3	19699.8	17214.2	16878.2	18172.8	20778.0	24172.5	26344.6
37.5°	26741.6	27143.1	27107.0	24219.9	20541.1	18069.1	17854.8	19341.2	21668.9	24865.0	28099.4
40°	28403.9	28814.4	28521.2	24930.4	21529.1	19478.8	19320.9	21096.0	22862.1	25751.4	30156.5
42.5°	29960.2	30404.6	29777.5	25602.6	22706.4	21256.1	21526.8	23356.0	24355.2	26843.1	31929.3
45°	31214.3	31667.7	30830.9	26256.7	23947.0	23412.4	24226.7	25859.7	26150.6	27765.6	33127.0
47.5°	32125.6	32554.1	31561.7	26910.8	25534.9	26049.1	27467.9	28485.1	27772.4	28566.3	33977.3
50°	32707.5	33041.3	31775.9	27729.5	27619.0	29125.7	30844.4	31340.6	29299.4	29288.1	35010.4
52.5°	33077.4	33228.5	31933.8	28584.4	29793.3	32475.2	34151.0	34306.7	30871.5	30082.0	36402.0
55°	34351.8	34473.6	33052.6	29619.7	31591.0	35409.6	37141.9	36997.5	32651.1	31636.1	38044.1
57.5°	36526.1	36654.7	35364.5	31108.3	33045.8	37223.1	39309.4	39568.8	34737.5	33819.5	39803.4
60°	37617.8	37856.9	37396.7	32993.9	34455.5	38382.4	40786.8	41614.6	37344.9	36697.5	41508.6
62.5°	36627.6	36974.9	37642.6	35084.8	35856.2	39020.7	41246.9	42347.6	40015.4	40051.5	42559.6
65°	34651.7	34929.2	36061.5	36230.6	36668.2	38941.8	40110.1	41323.6	41650.7	43132.6	42503.3
67.5°	32265.4	32369.1	33330.0	36320.8	35490.8	36569.0	36695.3	37593.0	40358.2	44224.2	40795.8
70°	28830.2	28886.6	29725.7	33300.7	30499.3	30736.1	30548.9	30731.6	34696.9	41565.0	36485.5
72.5°	23202.7	23344.8	24537.9	27655.1	22219.3	21535.8	23006.4	22925.2	26721.3	35116.4	27098.0
75°	17083.4	17329.3	19131.4	22275.6	15594.8	14106.1	15179.7	15466.2	18996.1	27163.4	16945.8
77.5°	11961.1	12143.8	13889.6	16375.2	11286.7	10086.7	9698.8	10039.4	12538.5	19650.2	8537.2
80°	6890.7	6958.3	8072.6	9455.2	7605.7	8701.8	7883.1	8117.7	7513.2	8742.4	3672.0
82.5°	4508.8	4520.1	4955.4	5627.6	4736.6	5503.5	4073.5	5208.0	4621.6	3511.9	1195.4
85°	2436.0	2449.5	2873.5	3994.5	2681.8	1515.7	890.9	1829.2	2857.8	805.2	327.1
87.5°	268.4	245.9	866.1	1452.6	744.3	137.6	47.4	205.3	457.9	51.9	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

REPORT NUMBER: P324104

CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7
2.5°	17081.1	16893.9	16427.0	15933.1	15536.1	15163.9	14789.5	14331.7	13977.5	13905.4	13788.1
5°	16715.8	16122.5	15143.6	14160.2	13368.5	12369.3	11735.5	11241.6	10758.9	10729.6	10632.6
7.5°	15439.1	14658.7	13280.6	11920.5	10806.3	9854.4	8893.6	8250.7	7745.5	7567.3	7461.3
10°	14212.1	13334.7	11613.7	10061.9	9067.2	8225.9	7549.3	6877.1	6268.1	5848.6	5659.1
12.5°	13355.0	12385.1	10488.2	9150.7	8437.9	7639.5	6814.0	5974.9	5273.4	4768.2	4459.2
15°	13023.4	11988.2	10111.6	8789.8	7910.2	6899.7	5844.1	4885.5	4107.3	3649.5	3372.0
17.5°	13418.2	12213.7	10082.2	8350.0	7120.7	5864.4	4698.3	3566.0	2832.9	2485.6	2307.4
20°	14419.6	12931.0	10071.0	7810.9	6182.4	4637.4	3182.6	2345.8	1901.4	1707.4	1624.0
22.5°	15836.1	13846.7	10161.2	7278.6	5205.8	3313.4	2196.9	1723.2	1495.4	1391.7	1344.3
25°	17658.6	15132.4	10416.1	6795.9	4287.8	2472.1	1711.9	1443.5	1283.4	1202.2	1168.4
27.5°	19600.6	16612.0	10813.0	6376.4	3541.2	1971.3	1466.1	1236.0	1121.0	1064.6	1033.0
30°	21202.0	18326.2	11214.5	5909.5	2999.9	1718.7	1342.0	1127.8	994.7	958.6	929.3
32.5°	22602.7	19623.1	11498.7	5487.7	2645.7	1527.0	1213.5	1008.2	918.0	848.1	816.5
35°	24053.0	20703.5	11489.7	5192.2	2402.1	1382.6	1105.2	902.2	793.9	712.7	687.9
37.5°	25622.9	21923.8	11293.5	4939.6	2296.1	1267.6	1044.3	845.8	737.6	656.4	624.8
40°	27461.1	23204.9	11092.7	4702.8	2266.8	1175.1	1001.5	800.7	685.7	606.7	575.2
42.5°	29252.0	24359.8	10916.8	4526.9	2140.5	1172.9	963.1	766.9	645.1	568.4	532.3
45°	30684.3	25435.6	10882.9	4420.8	2007.4	1213.5	942.8	744.3	613.5	536.8	503.0
47.5°	31875.2	26604.0	11099.5	4346.4	1881.1	1107.5	992.4	728.5	584.2	509.8	471.4
50°	33291.7	28038.5	11609.2	4224.6	1748.0	996.9	1136.8	733.0	559.4	482.7	442.1
52.5°	35267.5	30023.4	12358.1	4019.4	1565.3	895.4	1118.7	737.6	532.3	453.4	412.8
55°	37482.4	32502.2	13163.3	3678.8	1310.5	762.4	958.6	706.0	480.4	421.8	383.4
57.5°	39810.2	34751.0	13641.5	3272.8	1042.1	658.6	766.9	642.8	424.0	378.9	354.1
60°	40175.5	35605.8	13422.7	2774.3	827.8	572.9	568.4	654.1	378.9	333.8	315.8
62.5°	39266.6	34532.2	12364.8	2330.0	692.4	503.0	466.9	570.6	342.8	297.7	279.7
65°	37518.5	31629.3	10650.6	2099.9	642.8	430.8	388.0	401.5	300.0	259.4	243.6
67.5°	35087.1	27754.3	8744.7	1969.1	636.1	369.9	331.6	304.5	259.4	225.6	212.0
70°	30115.9	23121.5	6976.4	1896.9	618.0	311.3	279.7	248.1	216.5	191.7	180.4
72.5°	22165.1	16384.2	5426.8	1818.0	622.5	248.1	243.6	205.3	173.7	148.9	144.4
75°	12806.9	9360.5	3559.2	1472.9	593.2	191.7	203.0	144.4	121.8	103.8	103.8
77.5°	6825.2	5708.8	1355.6	613.5	216.5	121.8	115.0	85.7	76.7	63.2	60.9
80°	2975.0	2512.7	408.3	171.4	119.5	65.4	42.9	38.3	33.8	27.1	24.8
82.5°	1053.3	909.0	133.1	83.5	51.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	239.1	171.4	0.0	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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

REPORT NUMBER: P324104

CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7
2.5°	13549.0	13499.4	13206.1	13217.4	13269.3	13343.7	13167.8	13249.0	13467.8	13677.6	13756.5
5°	10476.9	10488.2	10310.0	10420.6	10519.8	10587.5	10303.3	10307.8	10481.5	10718.3	10842.3
7.5°	7382.4	7364.3	7373.3	7637.2	7824.4	7689.1	7795.1	7427.5	7450.0	7619.2	7492.9
10°	5487.7	5239.6	5099.8	5298.2	5503.5	5429.1	5246.4	5126.8	5210.3	5397.5	5384.0
12.5°	4312.6	3956.2	3746.4	3604.3	3773.5	3633.7	3629.2	3525.4	3412.6	3432.9	3732.9
15°	3243.5	2984.1	2736.0	2508.2	2503.6	2456.3	2214.9	1944.3	1921.7	1935.2	2090.9
17.5°	2230.7	2142.8	2041.3	1845.0	1793.1	1594.7	1360.1	1251.8	1197.7	1222.5	1274.4
20°	1567.6	1533.8	1545.0	1439.0	1364.6	1175.1	1037.5	994.7	985.7	1010.5	1035.3
22.5°	1299.2	1238.3	1231.5	1184.2	1109.7	972.1	897.7	872.9	861.6	884.2	902.2
25°	1136.8	1075.9	1051.1	1021.8	942.8	848.1	803.0	780.4	769.1	782.7	793.9
27.5°	1001.5	945.1	922.5	902.2	825.5	757.9	721.8	701.5	692.4	697.0	708.2
30°	900.0	850.3	821.0	796.2	730.8	683.4	651.8	631.5	622.5	622.5	633.8
32.5°	793.9	766.9	739.8	708.2	647.3	615.8	584.2	561.6	552.6	554.9	563.9
35°	660.9	651.8	658.6	629.3	577.4	550.3	518.8	494.0	487.2	489.5	498.5
37.5°	586.4	545.8	570.6	554.9	525.5	489.5	448.9	426.3	415.0	421.8	426.3
40°	539.1	489.5	471.4	487.2	482.7	424.0	388.0	365.4	356.4	358.6	363.1
42.5°	498.5	439.8	399.2	397.0	424.0	369.9	331.6	311.3	300.0	300.0	304.5
45°	460.1	397.0	347.4	309.0	356.4	313.5	277.4	259.4	245.9	245.9	248.1
47.5°	430.8	360.9	302.2	252.6	268.4	257.1	227.8	209.8	196.2	196.2	198.5
50°	403.7	324.8	261.6	212.0	200.7	212.0	185.0	164.7	155.6	153.4	157.9
52.5°	374.4	288.7	223.3	180.4	157.9	160.1	144.4	130.8	119.5	119.5	124.1
55°	345.1	259.4	194.0	153.4	130.8	119.5	115.0	106.0	97.0	97.0	101.5
57.5°	315.8	227.8	164.7	126.3	103.8	94.7	94.7	88.0	81.2	81.2	85.7
60°	288.7	196.2	135.3	103.8	81.2	78.9	81.2	74.4	69.9	69.9	74.4
62.5°	257.1	166.9	110.5	85.7	65.4	63.2	69.9	65.4	60.9	60.9	65.4
65°	218.8	142.1	88.0	65.4	49.6	49.6	58.6	54.1	49.6	49.6	54.1
67.5°	185.0	119.5	67.7	47.4	36.1	38.3	49.6	45.1	42.9	42.9	47.4
70°	153.4	92.5	47.4	29.3	20.3	29.3	38.3	38.3	38.3	38.3	42.9
72.5°	115.0	63.2	27.1	11.3	9.0	20.3	31.6	36.1	33.8	33.8	40.6
75°	74.4	36.1	9.0	0.0	0.0	11.3	24.8	29.3	29.3	27.1	33.8
77.5°	42.9	11.3	0.0	0.0	0.0	0.0	15.8	13.5	11.3	9.0	15.8
80°	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



REPORT NUMBER: P324104

CATALOG NUMBER: GAN-SA0D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7	15973.7
2.5°	14074.5	14340.7	14715.1	15112.1	15723.3	16208.3	16684.2	17092.4	17250.3	17315.7
5°	11140.1	11530.3	12078.4	12782.1	13885.1	14877.5	15883.5	16896.2	17336.0	17446.5
7.5°	7993.6	8492.1	9189.0	10071.0	11363.4	12649.0	14054.2	15540.6	16221.8	16393.2
10°	5916.3	6525.3	7323.7	8253.0	9486.8	10808.5	12340.0	14038.4	14816.6	15044.4
12.5°	4197.5	5020.8	6089.9	7220.0	8289.1	9468.7	11018.3	12890.4	13706.9	13952.7
15°	2465.3	3261.5	4526.9	6040.3	7409.4	8604.9	10179.2	12301.7	13201.6	13449.7
17.5°	1414.2	1811.2	2767.5	4454.7	6313.2	7968.8	9915.3	12448.3	13508.4	13738.4
20°	1080.4	1206.7	1594.7	2869.0	5032.1	7344.0	9915.3	13278.3	14584.3	14922.6
22.5°	945.1	1037.5	1195.4	1711.9	3703.6	6674.1	10030.4	14478.3	16185.7	16560.1
25°	839.1	922.5	1057.8	1287.9	2526.2	5877.9	10303.3	15951.1	18071.3	18556.3
27.5°	751.1	830.0	951.8	1127.8	1727.7	4917.1	10670.9	17678.9	20150.9	20538.9
30°	672.1	746.6	857.1	981.2	1333.0	3827.6	10984.4	19307.4	21783.9	22201.2
32.5°	597.7	665.4	764.6	857.1	1091.7	2830.7	11018.3	20597.5	23139.5	23554.5
35°	527.8	588.7	678.9	751.1	904.5	2235.2	10492.7	21716.3	24495.1	25043.2
37.5°	460.1	518.8	597.7	651.8	796.2	1822.5	9689.8	22963.6	26234.1	26741.6
40°	397.0	448.9	530.1	566.1	753.3	1400.7	8816.9	24271.8	27939.3	28403.9
42.5°	338.3	388.0	466.9	536.8	660.9	1046.6	7874.1	25498.8	29473.0	29960.2
45°	281.9	333.8	412.8	568.4	548.1	782.7	6865.8	26313.0	30684.3	31214.3
47.5°	227.8	286.5	394.7	541.3	437.6	575.2	6067.4	27084.4	31602.3	32125.6
50°	182.7	241.3	444.3	482.7	358.6	439.8	5733.6	27774.6	32204.5	32707.5
52.5°	148.9	203.0	419.5	369.9	300.0	363.1	5914.0	28893.4	32761.6	33077.4
55°	124.1	160.1	252.6	257.1	254.9	309.0	6137.3	30499.3	34202.9	34351.8
57.5°	108.3	128.6	175.9	198.5	214.3	275.2	6141.8	32804.5	36433.6	36526.1
60°	92.5	112.8	146.6	160.1	185.0	245.9	5918.5	33609.7	37311.0	37617.8
62.5°	81.2	99.2	121.8	133.1	155.6	221.0	5395.2	32443.6	36106.6	36627.6
65°	72.2	90.2	101.5	112.8	137.6	198.5	4533.6	30111.4	34108.2	34651.7
67.5°	63.2	78.9	90.2	101.5	124.1	175.9	3338.2	27402.5	31814.3	32265.4
70°	56.4	69.9	81.2	90.2	108.3	148.9	2025.5	23252.3	28643.0	28830.2
72.5°	54.1	63.2	74.4	81.2	94.7	130.8	1026.3	17087.9	22898.2	23202.7
75°	47.4	56.4	67.7	72.2	83.5	112.8	417.3	11223.5	16594.0	17083.4
77.5°	38.3	51.9	60.9	65.4	72.2	92.5	212.0	7172.6	11645.3	11961.1
80°	13.5	38.3	51.9	54.1	60.9	67.7	139.8	3926.9	6755.3	6890.7
82.5°	0.0	24.8	40.6	38.3	42.9	51.9	90.2	1867.6	4459.2	4508.8
85°	0.0	11.3	31.6	24.8	18.0	36.1	31.6	408.3	2339.0	2436.0
87.5°	0.0	0.0	2.3	11.3	9.0	13.5	4.5	2.3	212.0	268.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)