

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: P324089

Luminaire Tested: **GAN-SA5C-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324089
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-SA5C-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 1050mA 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: 21918 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 279
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

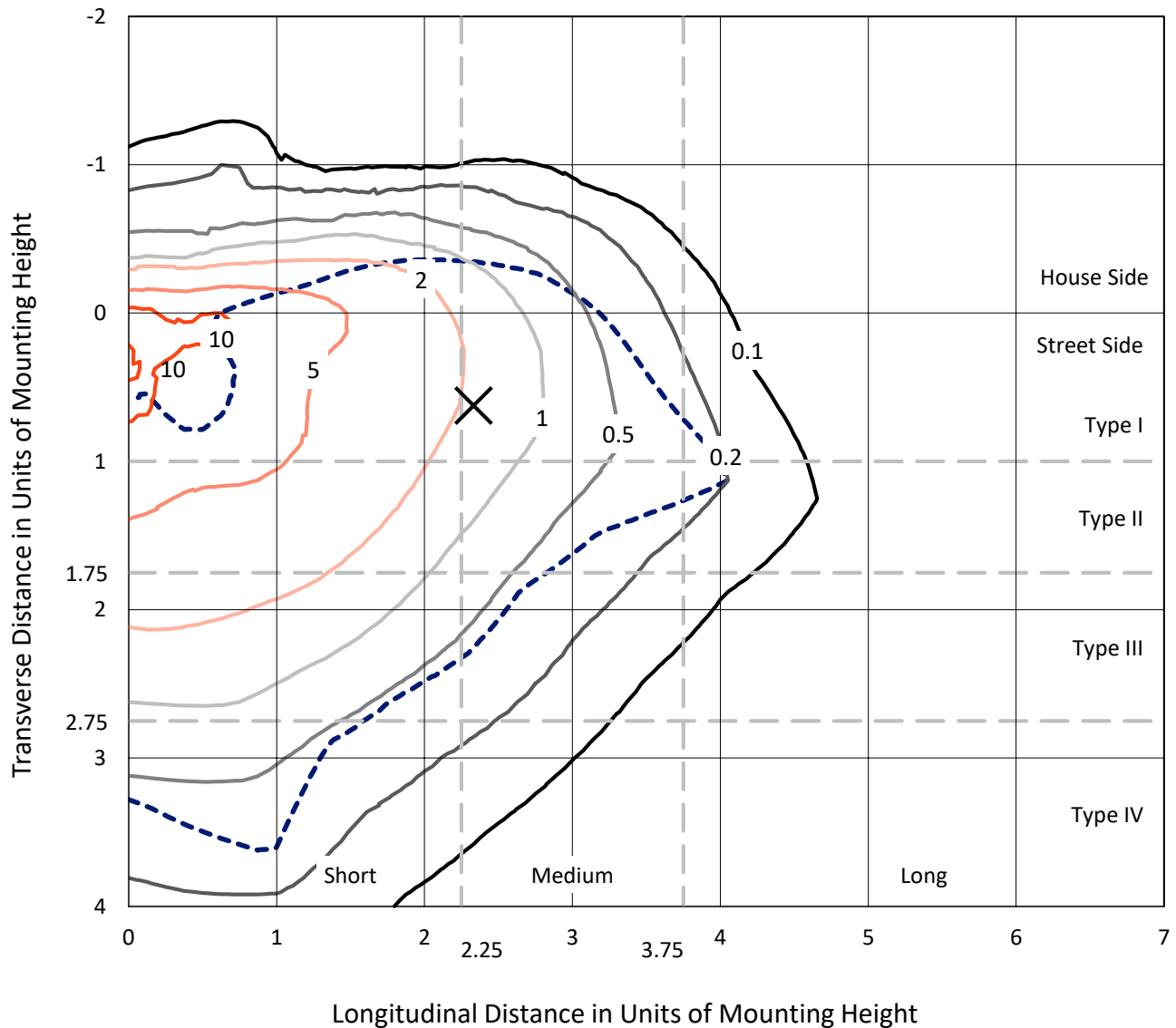


REPORT NUMBER: P324089

CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

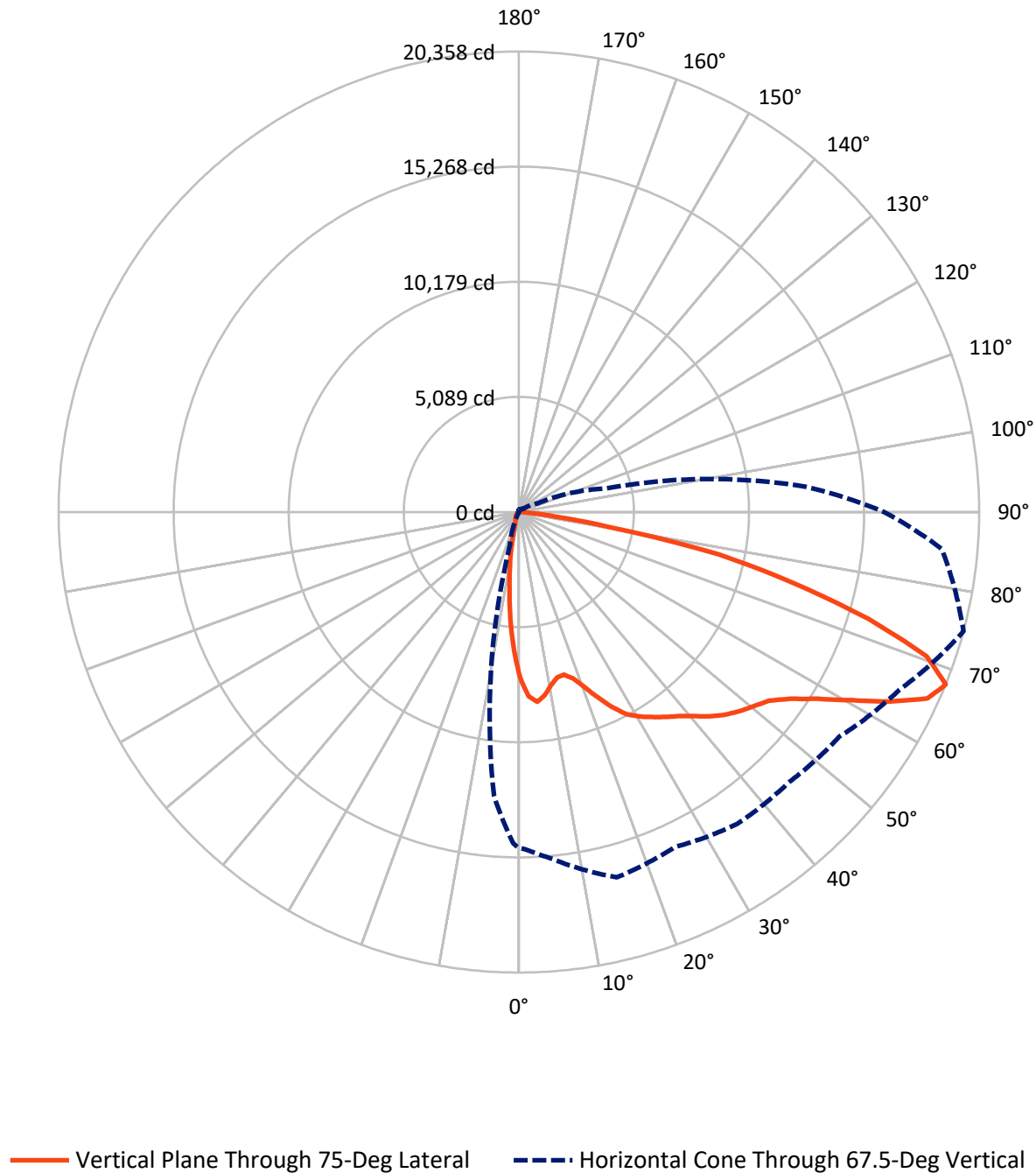
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc
Type III - Medium - N/A

REPORT NUMBER: P324089
CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324089

CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

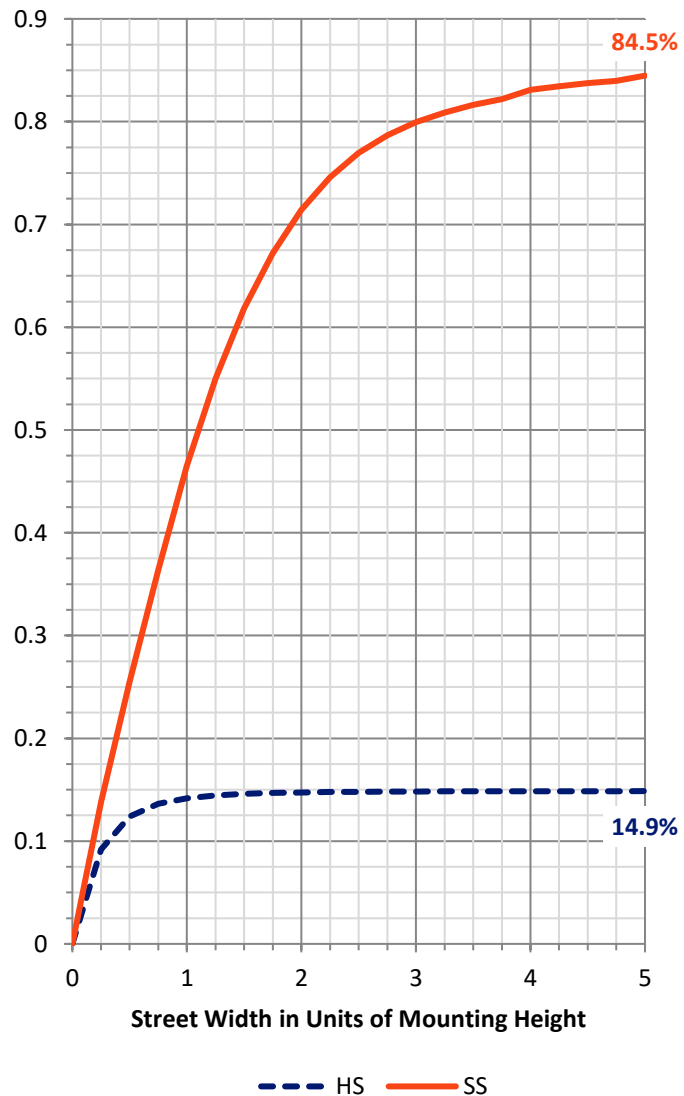
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3289.0	0.0	3289.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	18629.0	0.0	18629.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	21918.0	0.0	21918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.8	2.5
10°-20°	1098.3	5.0
20°-30°	1553.7	7.1
30°-40°	2284.4	10.4
40°-50°	3283.4	15.0
50°-60°	4622.2	21.1
60°-70°	5398.3	24.6
70°-80°	2754.1	12.6
80°-90°	365.9	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°	21918.0	100.0
0°-180°	21918.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324089

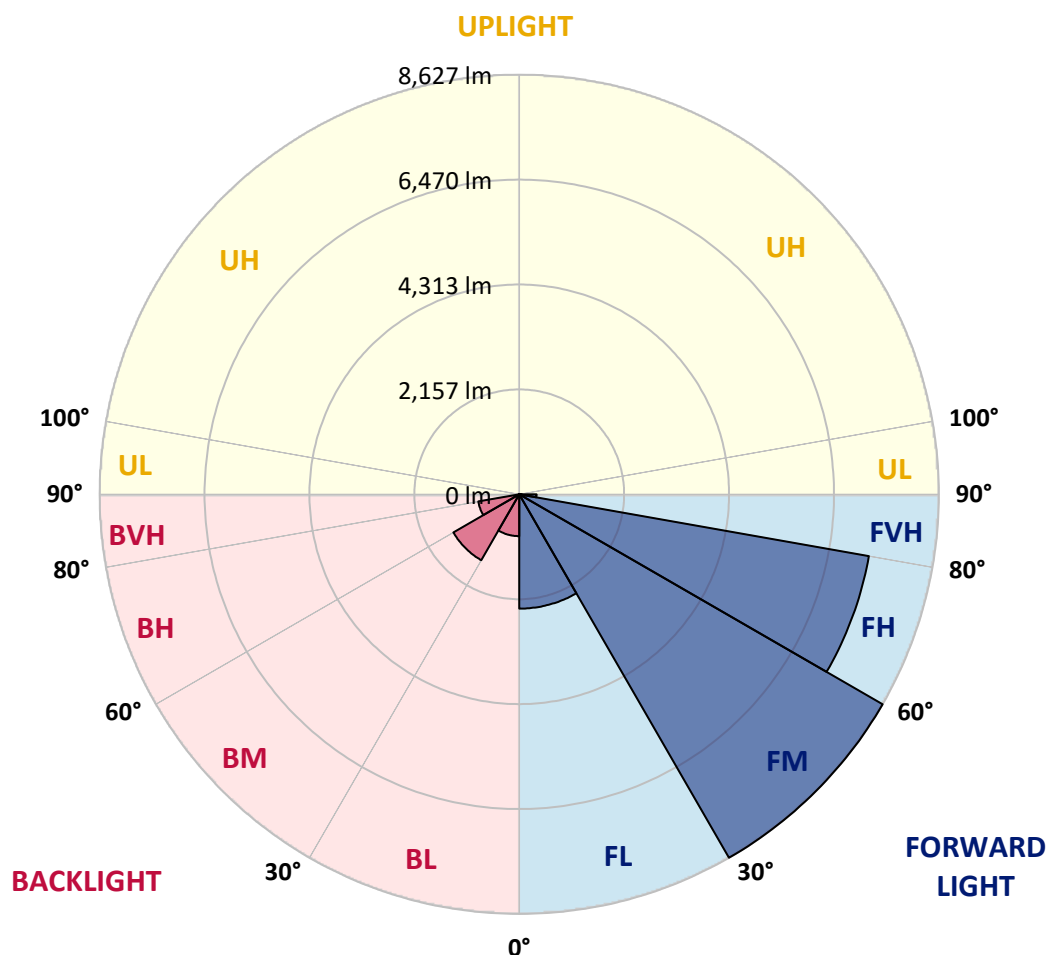
CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2349.6	10.7			
FM	(30°-60°)	8626.5	39.4			
FH	(60°-80°)	7298.1	33.3			G3/7500
FVH	(80°-90°)	354.8	1.6			G3/500
BL	(0°-30°)	860.1	3.9	B2/1000		
BM	(30°-60°)	1563.5	7.1	B2/2500		
BH	(60°-80°)	854.3	3.9	B2/1000		G2/1000
BVH	(80°-90°)	11.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





REPORT NUMBER: P324089

CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1
2.5°	7970.9	7983.4	8047.7	8197.2	8360.2	8372.7	8482.8	8369.6	8331.2	8148.4	7959.5
5°	8031.1	8078.9	8300.0	8739.2	9120.3	9242.8	9330.0	9107.8	8874.2	8427.7	7951.2
7.5°	7546.2	7626.2	7974.0	8798.4	9479.5	9780.6	9837.7	9489.9	8917.8	8182.7	7466.3
10°	6925.3	7016.7	7436.2	8449.5	9385.0	9901.1	9980.0	9524.2	8701.8	7786.1	6942.0
12.5°	6422.8	6529.8	6958.6	8057.1	9060.0	9631.1	9786.8	9408.9	8515.0	7504.7	6583.7
15°	6191.3	6313.8	6764.4	7803.7	8699.8	9149.3	9278.1	9115.1	8411.1	7460.1	6500.7
17.5°	6324.2	6457.1	6922.2	7825.5	8361.3	8553.4	8657.2	8723.6	8411.1	7729.0	6743.6
20°	6869.3	7012.6	7504.7	8046.7	8080.9	8009.3	8120.4	8354.0	8508.7	8239.8	7327.2
22.5°	7623.1	7791.3	8346.8	8425.7	7943.9	7672.9	7687.4	8054.0	8686.3	8887.7	8137.0
25°	8541.9	8747.5	9312.4	8990.5	8001.0	7472.5	7467.3	7806.8	8859.7	9536.6	9039.3
27.5°	9454.6	9680.9	10177.2	9679.9	8236.7	7436.2	7425.8	7732.1	9028.9	10113.9	10024.6
30°	10219.8	10439.9	10867.7	10179.3	8491.1	7521.3	7471.5	7812.0	9129.6	10488.7	10743.1
32.5°	10842.8	11019.3	11365.0	10523.0	8763.1	7686.4	7578.4	8025.9	9300.9	10805.4	11403.5
35°	11528.0	11713.9	11852.0	10850.0	9068.4	7924.2	7769.5	8365.4	9564.7	11127.3	12127.1
37.5°	12309.9	12494.7	12478.1	11149.1	9455.6	8317.7	8219.0	8903.3	9974.8	11446.0	12934.9
40°	13075.1	13264.1	13129.1	11476.1	9910.4	8966.6	8893.9	9711.1	10524.0	11854.1	13881.8
42.5°	13791.5	13996.0	13707.4	11785.5	10452.4	9784.8	9909.4	10751.4	11211.4	12356.6	14697.9
45°	14368.8	14577.5	14192.3	12086.6	11023.4	10777.4	11152.2	11903.9	12037.8	12781.3	15249.2
47.5°	14788.3	14985.5	14528.7	12387.7	11754.4	11991.1	12644.2	13112.5	12784.4	13149.8	15640.7
50°	15056.1	15209.8	14627.3	12764.6	12713.8	13407.3	14198.5	14426.9	13487.3	13482.1	16116.2
52.5°	15226.4	15296.0	14700.0	13158.1	13714.7	14949.2	15720.6	15792.3	14211.0	13847.6	16756.8
55°	15813.0	15869.1	15215.0	13634.7	14542.2	16300.0	17097.4	17030.9	15030.2	14562.9	17512.7
57.5°	16813.9	16873.1	16279.2	14320.0	15211.9	17134.8	18095.2	18214.6	15990.6	15568.0	18322.6
60°	17316.5	17426.5	17214.7	15188.0	15860.8	17668.4	18775.3	19156.3	17190.8	16892.9	19107.5
62.5°	16860.7	17020.6	17327.9	16150.5	16505.6	17962.3	18987.1	19493.7	18420.2	18436.8	19591.3
65°	15951.1	16078.8	16600.1	16677.9	16879.4	17925.9	18463.8	19022.4	19172.9	19855.1	19565.4
67.5°	14852.6	14900.4	15342.7	16719.5	16337.4	16833.7	16891.8	17305.0	18578.0	20357.6	18779.4
70°	13271.3	13297.3	13683.5	15329.2	14039.7	14148.7	14062.5	14146.6	15971.9	19133.5	16795.3
72.5°	10680.8	10746.2	11295.5	12730.4	10228.1	9913.5	10590.5	10553.1	12300.5	16165.0	12473.9
75°	7863.9	7977.1	8806.7	10254.1	7178.7	6493.4	6987.6	7119.5	8744.4	12504.0	7800.6
77.5°	5506.0	5590.1	6393.7	7537.9	5195.6	4643.2	4464.6	4621.4	5771.8	9045.5	3929.9
80°	3172.0	3203.1	3716.0	4352.5	3501.1	4005.7	3628.8	3736.8	3458.5	4024.4	1690.3
82.5°	2075.5	2080.7	2281.1	2590.5	2180.4	2533.4	1875.1	2397.4	2127.4	1616.6	550.3
85°	1121.3	1127.6	1322.8	1838.8	1234.5	697.7	410.1	842.0	1315.5	370.7	150.6
87.5°	123.6	113.2	398.7	668.7	342.6	63.3	21.8	94.5	210.8	23.9	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: P324089

CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1
2.5°	7862.9	7776.7	7561.8	7334.4	7151.7	6980.4	6808.0	6597.2	6434.2	6401.0	6347.0
5°	7694.7	7421.6	6971.0	6518.3	6153.9	5693.9	5402.2	5174.8	4952.6	4939.1	4894.5
7.5°	7107.0	6747.8	6113.4	5487.3	4974.4	4536.3	4093.9	3798.0	3565.5	3483.4	3434.6
10°	6542.2	6138.3	5346.1	4631.8	4173.9	3786.6	3475.1	3165.7	2885.4	2692.3	2605.0
12.5°	6147.7	5701.2	4828.0	4212.3	3884.2	3516.7	3136.7	2750.4	2427.5	2194.9	2052.7
15°	5995.0	5518.5	4654.6	4046.2	3641.3	3176.1	2690.2	2248.9	1890.7	1679.9	1552.2
17.5°	6176.7	5622.3	4641.1	3843.7	3277.9	2699.5	2162.7	1641.5	1304.1	1144.2	1062.2
20°	6637.7	5952.5	4635.9	3595.6	2845.9	2134.7	1465.0	1079.8	875.3	786.0	747.6
22.5°	7289.8	6374.0	4677.5	3350.5	2396.4	1525.2	1011.3	793.2	688.4	640.6	618.8
25°	8128.7	6965.8	4794.8	3128.3	1973.8	1138.0	788.1	664.5	590.8	553.4	537.8
27.5°	9022.7	7646.9	4977.5	2935.2	1630.1	907.5	674.9	569.0	516.0	490.1	475.5
30°	9759.9	8436.0	5162.3	2720.3	1380.9	791.2	617.8	519.1	457.9	441.3	427.8
32.5°	10404.6	9033.1	5293.2	2526.1	1217.9	702.9	558.6	464.1	422.6	390.4	375.9
35°	11072.2	9530.4	5289.0	2390.1	1105.8	636.5	508.8	415.3	365.5	328.1	316.7
37.5°	11794.9	10092.1	5198.7	2273.8	1057.0	583.5	480.7	389.4	339.5	302.1	287.6
40°	12641.1	10681.8	5106.3	2164.8	1043.5	540.9	461.0	368.6	315.6	279.3	264.8
42.5°	13465.5	11213.4	5025.3	2083.8	985.3	539.9	443.3	353.0	296.9	261.6	245.0
45°	14124.8	11708.7	5009.7	2035.0	924.1	558.6	434.0	342.6	282.4	247.1	231.5
47.5°	14673.0	12246.5	5109.4	2000.8	865.9	509.8	456.8	335.4	268.9	234.7	217.0
50°	15325.0	12906.9	5344.0	1944.7	804.7	458.9	523.3	337.4	257.5	222.2	203.5
52.5°	16234.6	13820.6	5688.7	1850.2	720.6	412.2	515.0	339.5	245.0	208.7	190.0
55°	17254.2	14961.6	6059.4	1693.4	603.2	350.9	441.3	325.0	221.2	194.2	176.5
57.5°	18325.7	15996.8	6279.5	1506.5	479.7	303.2	353.0	295.9	195.2	174.4	163.0
60°	18493.9	16390.3	6178.8	1277.1	381.0	263.7	261.6	301.1	174.4	153.7	145.4
62.5°	18075.5	15896.1	5691.9	1072.5	318.8	231.5	214.9	262.7	157.8	137.1	128.7
65°	17270.8	14559.8	4902.8	966.6	295.9	198.3	178.6	184.8	138.1	119.4	112.1
67.5°	16151.5	12776.1	4025.4	906.4	292.8	170.3	152.6	140.2	119.4	103.8	97.6
70°	13863.1	10643.4	3211.4	873.2	284.5	143.3	128.7	114.2	99.7	88.3	83.1
72.5°	10203.2	7542.1	2498.1	836.9	286.6	114.2	112.1	94.5	79.9	68.5	66.5
75°	5895.4	4308.9	1638.4	678.0	273.1	88.3	93.4	66.5	56.1	47.8	47.8
77.5°	3141.8	2627.9	624.0	282.4	99.7	56.1	53.0	39.5	35.3	29.1	28.0
80°	1369.5	1156.6	187.9	78.9	55.0	30.1	19.7	17.7	15.6	12.5	11.4
82.5°	484.9	418.4	61.3	38.4	23.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	110.1	78.9	0.0	9.3	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: P324089

CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1
2.5°	6237.0	6214.1	6079.1	6084.3	6108.2	6142.5	6061.5	6098.9	6199.6	6296.1	6332.5
5°	4822.8	4828.0	4746.0	4796.9	4842.5	4873.7	4742.9	4744.9	4824.9	4933.9	4991.0
7.5°	3398.3	3390.0	3394.1	3515.6	3601.8	3539.5	3588.3	3419.1	3429.4	3507.3	3449.2
10°	2526.1	2411.9	2347.6	2438.9	2533.4	2499.1	2415.0	2360.0	2398.4	2484.6	2478.4
12.5°	1985.2	1821.1	1724.6	1659.2	1737.0	1672.7	1670.6	1622.8	1570.9	1580.3	1718.4
15°	1493.0	1373.6	1259.4	1154.6	1152.5	1130.7	1019.6	895.0	884.6	890.8	962.5
17.5°	1026.9	986.4	939.6	849.3	825.4	734.1	626.1	576.2	551.3	562.7	586.6
20°	721.6	706.0	711.2	662.4	628.2	540.9	477.6	457.9	453.7	465.2	476.6
22.5°	598.1	570.0	566.9	545.1	510.8	447.5	413.2	401.8	396.6	407.0	415.3
25°	523.3	495.3	483.8	470.3	434.0	390.4	369.6	359.2	354.1	360.3	365.5
27.5°	461.0	435.0	424.7	415.3	380.0	348.9	332.3	322.9	318.8	320.8	326.0
30°	414.3	391.4	377.9	366.5	336.4	314.6	300.1	290.7	286.6	286.6	291.8
32.5°	365.5	353.0	340.6	326.0	298.0	283.5	268.9	258.5	254.4	255.4	259.6
35°	304.2	300.1	303.2	289.7	265.8	253.3	238.8	227.4	224.3	225.3	229.5
37.5°	270.0	251.3	262.7	255.4	241.9	225.3	206.6	196.2	191.0	194.2	196.2
40°	248.1	225.3	217.0	224.3	222.2	195.2	178.6	168.2	164.0	165.1	167.2
42.5°	229.5	202.5	183.8	182.7	195.2	170.3	152.6	143.3	138.1	138.1	140.2
45°	211.8	182.7	159.9	142.2	164.0	144.3	127.7	119.4	113.2	113.2	114.2
47.5°	198.3	166.1	139.1	116.3	123.6	118.4	104.9	96.6	90.3	90.3	91.4
50°	185.9	149.5	120.4	97.6	92.4	97.6	85.1	75.8	71.6	70.6	72.7
52.5°	172.4	132.9	102.8	83.1	72.7	73.7	66.5	60.2	55.0	55.0	57.1
55°	158.9	119.4	89.3	70.6	60.2	55.0	53.0	48.8	44.6	44.6	46.7
57.5°	145.4	104.9	75.8	58.1	47.8	43.6	43.6	40.5	37.4	37.4	39.5
60°	132.9	90.3	62.3	47.8	37.4	36.3	37.4	34.3	32.2	32.2	34.3
62.5°	118.4	76.8	50.9	39.5	30.1	29.1	32.2	30.1	28.0	28.0	30.1
65°	100.7	65.4	40.5	30.1	22.8	22.8	27.0	24.9	22.8	22.8	24.9
67.5°	85.1	55.0	31.1	21.8	16.6	17.7	22.8	20.8	19.7	19.7	21.8
70°	70.6	42.6	21.8	13.5	9.3	13.5	17.7	17.7	17.7	17.7	19.7
72.5°	53.0	29.1	12.5	5.2	4.2	9.3	14.5	16.6	15.6	15.6	18.7
75°	34.3	16.6	4.2	0.0	0.0	5.2	11.4	13.5	13.5	12.5	15.6
77.5°	19.7	5.2	0.0	0.0	0.0	0.0	7.3	6.2	5.2	4.2	7.3
80°	5.2	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: P324089

CATALOG NUMBER: GAN-SA5C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1	7353.1
2.5°	6478.9	6601.4	6773.8	6956.5	7237.9	7461.1	7680.2	7868.1	7940.8	7970.9
5°	5128.1	5307.7	5560.0	5883.9	6391.7	6848.5	7311.6	7777.8	7980.2	8031.1
7.5°	3679.7	3909.1	4230.0	4635.9	5230.9	5822.7	6469.5	7153.8	7467.3	7546.2
10°	2723.4	3003.8	3371.3	3799.1	4367.0	4975.4	5680.4	6462.3	6820.5	6925.3
12.5°	1932.2	2311.2	2803.4	3323.5	3815.7	4358.7	5072.0	5933.8	6309.6	6422.8
15°	1134.8	1501.4	2083.8	2780.5	3410.8	3961.0	4685.8	5662.8	6077.1	6191.3
17.5°	651.0	833.7	1274.0	2050.6	2906.2	3668.3	4564.3	5730.3	6218.3	6324.2
20°	497.3	555.5	734.1	1320.7	2316.4	3380.6	4564.3	6112.4	6713.5	6869.3
22.5°	435.0	477.6	550.3	788.1	1704.9	3072.3	4617.2	6664.7	7450.7	7623.1
25°	386.2	424.7	487.0	592.9	1162.9	2705.8	4742.9	7342.7	8318.7	8541.9
27.5°	345.7	382.1	438.2	519.1	795.3	2263.5	4912.1	8138.1	9276.0	9454.6
30°	309.4	343.7	394.5	451.7	613.6	1762.0	5056.4	8887.7	10027.7	10219.8
32.5°	275.1	306.3	352.0	394.5	502.5	1303.0	5072.0	9481.6	10651.7	10842.8
35°	243.0	271.0	312.5	345.7	416.4	1028.9	4830.1	9996.6	11275.7	11528.0
37.5°	211.8	238.8	275.1	300.1	366.5	838.9	4460.5	10570.8	12076.3	12309.9
40°	182.7	206.6	244.0	260.6	346.8	644.8	4058.6	11173.0	12861.2	13075.1
42.5°	155.7	178.6	214.9	247.1	304.2	481.8	3624.6	11737.8	13567.2	13791.5
45°	129.8	153.7	190.0	261.6	252.3	360.3	3160.5	12112.6	14124.8	14368.8
47.5°	104.9	131.9	181.7	249.2	201.4	264.8	2793.0	12467.7	14547.4	14788.3
50°	84.1	111.1	204.5	222.2	165.1	202.5	2639.3	12785.4	14824.6	15056.1
52.5°	68.5	93.4	193.1	170.3	138.1	167.2	2722.4	13300.4	15081.0	15226.4
55°	57.1	73.7	116.3	118.4	117.3	142.2	2825.2	14039.7	15744.5	15813.0
57.5°	49.8	59.2	81.0	91.4	98.6	126.7	2827.2	15100.8	16771.4	16813.9
60°	42.6	51.9	67.5	73.7	85.1	113.2	2724.5	15471.4	17175.3	17316.5
62.5°	37.4	45.7	56.1	61.3	71.6	101.8	2483.6	14934.7	16620.8	16860.7
65°	33.2	41.5	46.7	51.9	63.3	91.4	2086.9	13861.1	15700.9	15951.1
67.5°	29.1	36.3	41.5	46.7	57.1	81.0	1536.7	12614.1	14645.0	14852.6
70°	26.0	32.2	37.4	41.5	49.8	68.5	932.4	10703.7	13185.1	13271.3
72.5°	24.9	29.1	34.3	37.4	43.6	60.2	472.4	7866.0	10540.6	10680.8
75°	21.8	26.0	31.1	33.2	38.4	51.9	192.1	5166.5	7638.6	7863.9
77.5°	17.7	23.9	28.0	30.1	33.2	42.6	97.6	3301.7	5360.7	5506.0
80°	6.2	17.7	23.9	24.9	28.0	31.1	64.4	1807.6	3109.7	3172.0
82.5°	0.0	11.4	18.7	17.7	19.7	23.9	41.5	859.7	2052.7	2075.5
85°	0.0	5.2	14.5	11.4	8.3	16.6	14.5	187.9	1076.7	1121.3
87.5°	0.0	0.0	1.0	5.2	4.2	6.2	2.1	1.0	97.6	123.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)