

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: P324075

Luminaire Tested: **GAN-SA1B-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324075
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-SA1B-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3710 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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



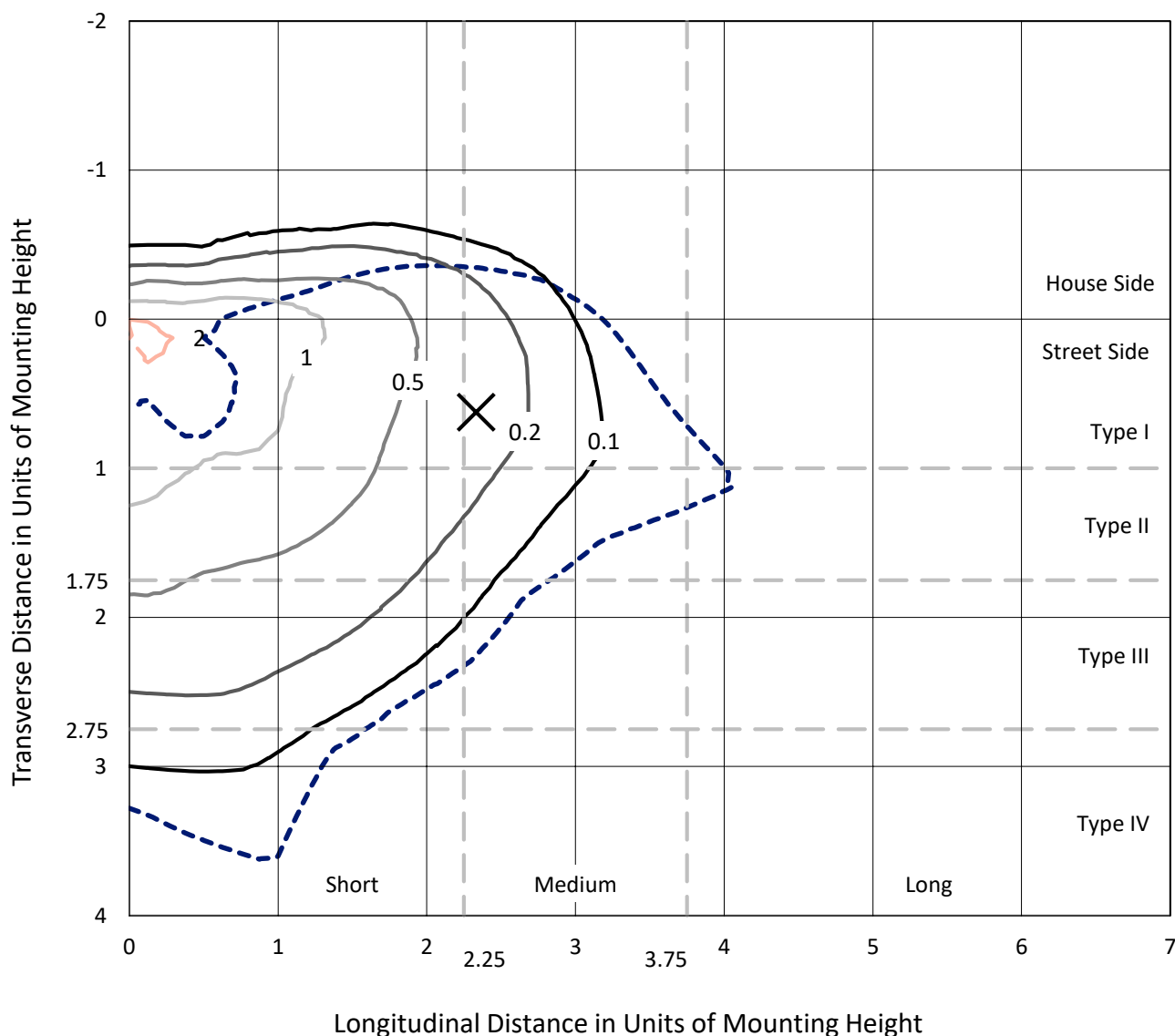
REPORT NUMBER: P324075

CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

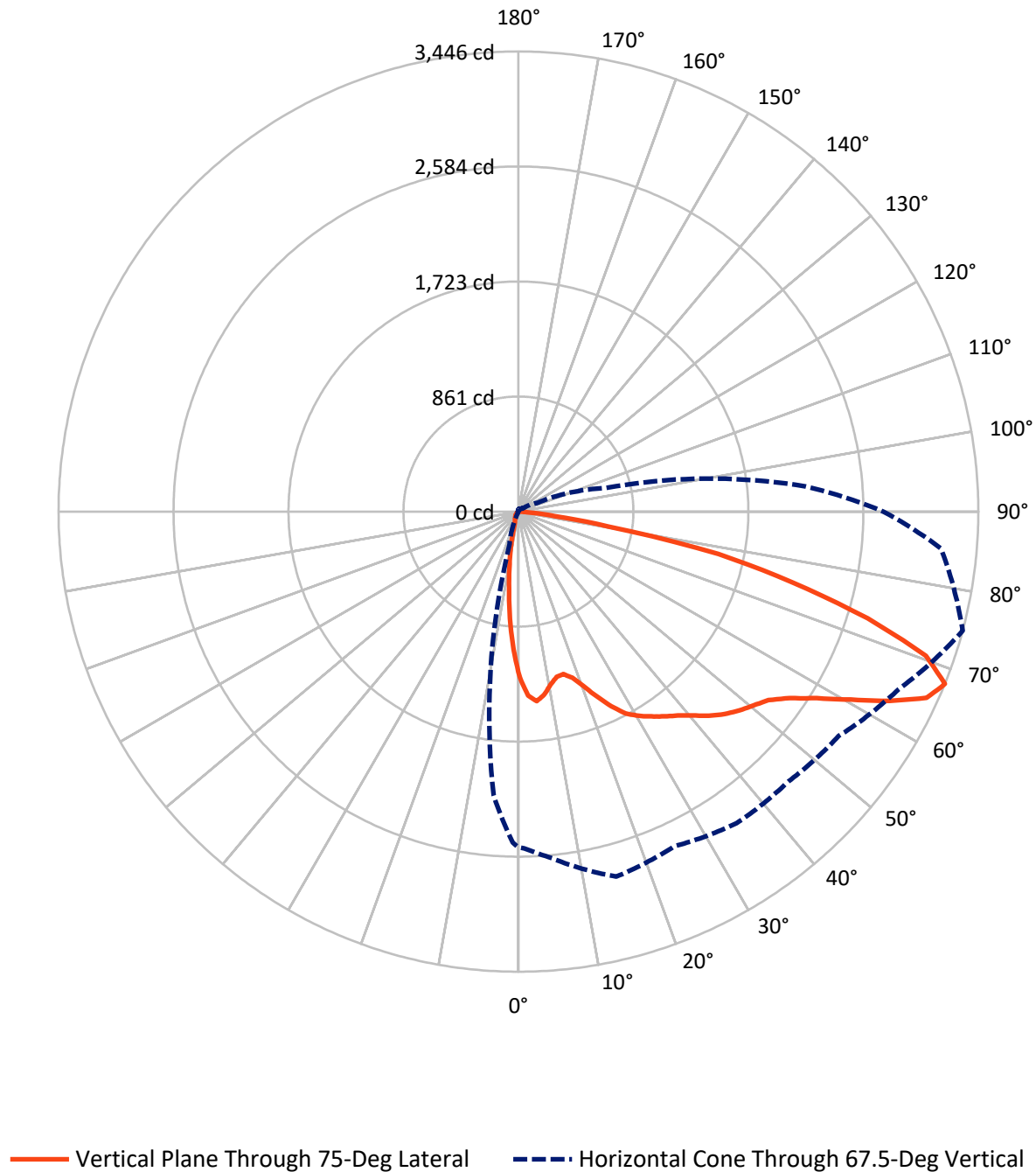
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P324075
CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324075

CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

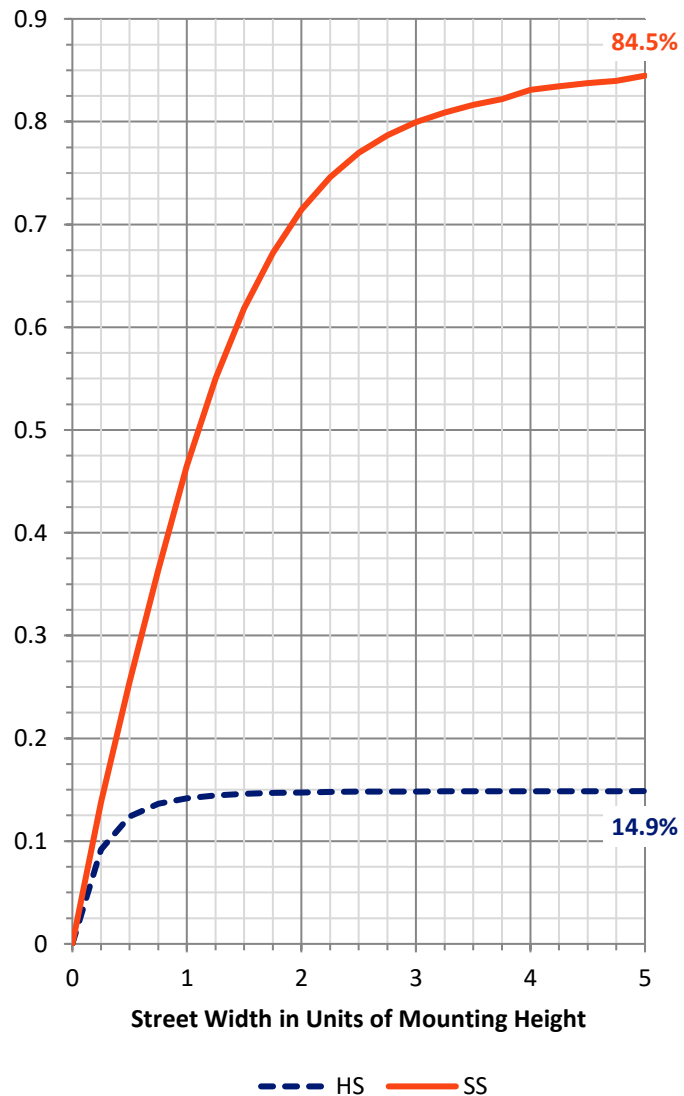
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.7	0.0	556.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	3153.3	0.0	3153.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	3710.0	0.0	3710.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	2.5
10°-20°	185.9	5.0
20°-30°	263.0	7.1
30°-40°	386.7	10.4
40°-50°	555.8	15.0
50°-60°	782.4	21.1
60°-70°	913.8	24.6
70°-80°	466.2	12.6
80°-90°	61.9	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°	3710.0	100.0
0°-180°	3710.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324075

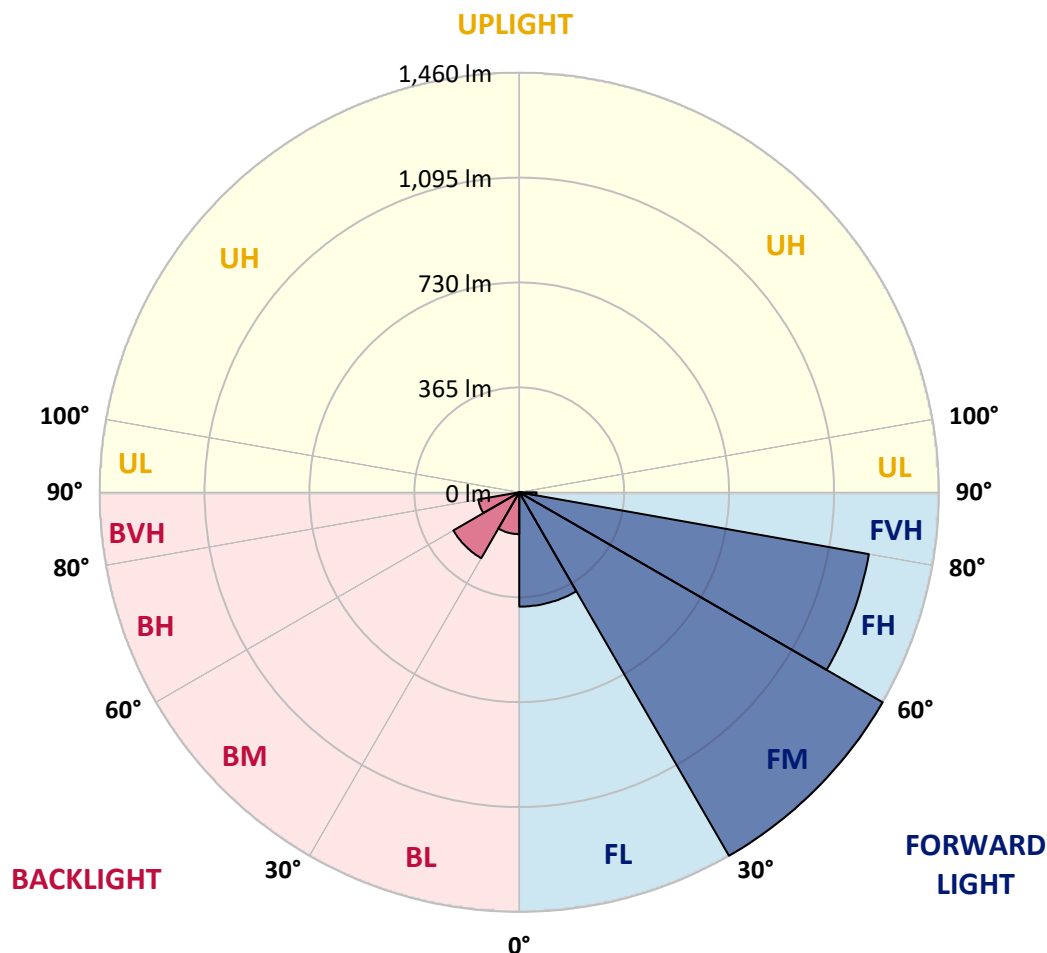
CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	397.7	10.7			
FM	(30°-60°)	1460.2	39.4			
FH	(60°-80°)	1235.3	33.3			G1/1800
FVH	(80°-90°)	60.0	1.6			G1/100
BL	(0°-30°)	145.6	3.9	B1/500		
BM	(30°-60°)	264.7	7.1	B1/1000		
BH	(60°-80°)	144.6	3.9	B1/500		G1/500
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



REPORT NUMBER: P324075

CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6
2.5°	1349.2	1351.3	1362.2	1387.5	1415.1	1417.2	1435.9	1416.7	1410.2	1379.3	1347.3
5°	1359.4	1367.5	1404.9	1479.3	1543.8	1564.5	1579.3	1541.7	1502.1	1426.5	1345.9
7.5°	1277.3	1290.9	1349.7	1489.3	1604.6	1655.5	1665.2	1606.3	1509.5	1385.1	1263.8
10°	1172.2	1187.7	1258.7	1430.2	1588.6	1675.9	1689.3	1612.1	1472.9	1317.9	1175.0
12.5°	1087.2	1105.3	1177.9	1363.8	1533.6	1630.2	1656.6	1592.6	1441.3	1270.3	1114.4
15°	1048.0	1068.7	1145.0	1320.9	1472.6	1548.7	1570.5	1542.9	1423.7	1262.7	1100.4
17.5°	1070.5	1093.0	1171.7	1324.6	1415.3	1447.8	1465.4	1476.6	1423.7	1308.3	1141.5
20°	1162.7	1187.0	1270.3	1362.0	1367.8	1355.7	1374.5	1414.1	1440.2	1394.7	1240.2
22.5°	1290.3	1318.8	1412.8	1426.2	1344.6	1298.8	1301.2	1363.3	1470.3	1504.4	1377.3
25°	1445.9	1480.7	1576.3	1521.8	1354.3	1264.9	1264.0	1321.4	1499.7	1614.2	1530.1
27.5°	1600.4	1638.7	1722.7	1638.5	1394.2	1258.7	1256.9	1308.8	1528.3	1712.0	1696.8
30°	1729.9	1767.1	1839.5	1723.0	1437.3	1273.1	1264.7	1322.3	1545.3	1775.4	1818.5
32.5°	1835.3	1865.2	1923.7	1781.2	1483.3	1301.1	1282.8	1358.5	1574.3	1829.0	1930.2
35°	1951.3	1982.8	2006.2	1836.6	1535.0	1341.3	1315.1	1416.0	1619.0	1883.5	2052.7
37.5°	2083.7	2114.9	2112.1	1887.2	1600.5	1407.9	1391.2	1507.0	1688.4	1937.4	2189.5
40°	2213.2	2245.2	2222.3	1942.5	1677.5	1517.8	1505.5	1643.8	1781.4	2006.5	2349.7
42.5°	2334.4	2369.1	2320.2	1994.9	1769.2	1656.2	1677.3	1819.9	1897.7	2091.6	2487.9
45°	2432.2	2467.5	2402.3	2045.9	1865.9	1824.3	1887.7	2014.9	2037.6	2163.4	2581.2
47.5°	2503.2	2536.6	2459.2	2096.8	1989.6	2029.7	2140.2	2219.5	2164.0	2225.8	2647.5
50°	2548.5	2574.5	2475.9	2160.6	2152.0	2269.4	2403.3	2442.0	2283.0	2282.1	2727.9
52.5°	2577.3	2589.1	2488.2	2227.2	2321.4	2530.4	2661.0	2673.1	2405.5	2343.9	2836.4
55°	2676.6	2686.1	2575.4	2307.9	2461.5	2759.1	2894.0	2882.8	2544.1	2465.0	2964.3
57.5°	2846.0	2856.1	2755.5	2423.9	2574.9	2900.4	3062.9	3083.1	2706.7	2635.2	3101.4
60°	2931.1	2949.7	2913.9	2570.8	2684.7	2990.7	3178.0	3242.5	2909.8	2859.4	3234.3
62.5°	2854.0	2881.0	2933.0	2733.7	2793.9	3040.4	3213.9	3299.7	3117.9	3120.7	3316.2
65°	2700.0	2721.6	2809.8	2823.0	2857.1	3034.3	3125.3	3219.9	3245.3	3360.8	3311.8
67.5°	2514.1	2522.1	2597.0	2830.1	2765.4	2849.4	2859.2	2929.2	3144.6	3445.9	3178.7
70°	2246.4	2250.8	2316.2	2594.7	2376.5	2394.9	2380.3	2394.6	2703.5	3238.7	2842.9
72.5°	1807.9	1819.0	1912.0	2154.8	1731.3	1678.0	1792.6	1786.3	2082.1	2736.2	2111.4
75°	1331.1	1350.3	1490.7	1735.7	1215.1	1099.1	1182.8	1205.1	1480.1	2116.5	1320.4
77.5°	932.0	946.2	1082.3	1275.9	879.4	785.9	755.7	782.3	977.0	1531.1	665.2
80°	536.9	542.2	629.0	736.7	592.6	678.0	614.2	632.5	585.4	681.2	286.1
82.5°	351.3	352.2	386.1	438.5	369.1	428.8	317.4	405.8	360.1	273.6	93.1
85°	189.8	190.9	223.9	311.2	209.0	118.1	69.4	142.5	222.7	62.7	25.5
87.5°	20.9	19.2	67.5	113.2	58.0	10.7	3.7	16.0	35.7	4.0	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: P324075

CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6
2.5°	1330.9	1316.3	1280.0	1241.5	1210.5	1181.5	1152.4	1116.7	1089.1	1083.5	1074.3
5°	1302.5	1256.2	1180.0	1103.3	1041.7	963.8	914.4	875.9	838.3	836.0	828.5
7.5°	1203.0	1142.2	1034.8	928.8	842.0	767.8	693.0	642.9	603.5	589.6	581.4
10°	1107.4	1039.0	904.9	784.0	706.5	640.9	588.2	535.9	488.4	455.7	440.9
12.5°	1040.6	965.0	817.2	713.0	657.5	595.3	530.9	465.6	410.9	371.5	347.5
15°	1014.8	934.1	787.9	684.9	616.3	537.6	455.4	380.7	320.0	284.4	262.7
17.5°	1045.5	951.7	785.6	650.6	554.8	456.9	366.1	277.9	220.7	193.7	179.8
20°	1123.6	1007.6	784.7	608.6	481.7	361.3	248.0	182.8	148.2	133.0	126.5
22.5°	1233.9	1078.9	791.7	567.1	405.6	258.2	171.2	134.3	116.5	108.4	104.7
25°	1375.9	1179.1	811.6	529.5	334.1	192.6	133.4	112.5	100.0	93.7	91.0
27.5°	1527.2	1294.4	842.5	496.8	275.9	153.6	114.2	96.3	87.3	83.0	80.5
30°	1652.0	1427.9	873.8	460.5	233.7	133.9	104.6	87.9	77.5	74.7	72.4
32.5°	1761.2	1529.0	896.0	427.6	206.2	119.0	94.6	78.6	71.5	66.1	63.6
35°	1874.2	1613.2	895.3	404.6	187.2	107.7	86.1	70.3	61.9	55.5	53.6
37.5°	1996.5	1708.3	880.0	384.9	178.9	98.8	81.4	65.9	57.5	51.1	48.7
40°	2139.7	1808.1	864.3	366.4	176.6	91.6	78.0	62.4	53.4	47.3	44.8
42.5°	2279.3	1898.1	850.6	352.7	166.8	91.4	75.0	59.8	50.3	44.3	41.5
45°	2390.9	1981.9	848.0	344.5	156.4	94.6	73.5	58.0	47.8	41.8	39.2
47.5°	2483.7	2072.9	864.9	338.7	146.6	86.3	77.3	56.8	45.5	39.7	36.7
50°	2594.0	2184.7	904.6	329.2	136.2	77.7	88.6	57.1	43.6	37.6	34.4
52.5°	2748.0	2339.4	962.9	313.2	122.0	69.8	87.2	57.5	41.5	35.3	32.2
55°	2920.6	2532.5	1025.7	286.6	102.1	59.4	74.7	55.0	37.4	32.9	29.9
57.5°	3101.9	2707.7	1062.9	255.0	81.2	51.3	59.8	50.1	33.0	29.5	27.6
60°	3130.4	2774.3	1045.9	216.2	64.5	44.6	44.3	51.0	29.5	26.0	24.6
62.5°	3059.6	2690.7	963.4	181.5	54.0	39.2	36.4	44.5	26.7	23.2	21.8
65°	2923.4	2464.5	829.9	163.6	50.1	33.6	30.2	31.3	23.4	20.2	19.0
67.5°	2733.9	2162.6	681.4	153.4	49.6	28.8	25.8	23.7	20.2	17.6	16.5
70°	2346.6	1801.6	543.6	147.8	48.2	24.3	21.8	19.3	16.9	14.9	14.1
72.5°	1727.1	1276.6	422.8	141.7	48.5	19.3	19.0	16.0	13.5	11.6	11.2
75°	997.9	729.4	277.3	114.8	46.2	14.9	15.8	11.2	9.5	8.1	8.1
77.5°	531.8	444.8	105.6	47.8	16.9	9.5	9.0	6.7	6.0	4.9	4.7
80°	231.8	195.8	31.8	13.4	9.3	5.1	3.3	3.0	2.6	2.1	1.9
82.5°	82.1	70.8	10.4	6.5	4.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.6	13.4	0.0	1.6	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: P324075

CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6
2.5°	1055.7	1051.8	1029.0	1029.9	1033.9	1039.7	1026.0	1032.3	1049.4	1065.7	1071.9
5°	816.3	817.2	803.3	812.0	819.7	825.0	802.8	803.2	816.7	835.2	844.8
7.5°	575.2	573.8	574.5	595.1	609.7	599.1	607.4	578.7	580.5	593.7	583.8
10°	427.6	408.3	397.4	412.8	428.8	423.0	408.8	399.5	406.0	420.6	419.5
12.5°	336.0	308.3	291.9	280.8	294.0	283.1	282.8	274.7	265.9	267.5	290.9
15°	252.7	232.5	213.2	195.4	195.1	191.4	172.6	151.5	149.7	150.8	162.9
17.5°	173.8	167.0	159.1	143.8	139.7	124.3	106.0	97.5	93.3	95.3	99.3
20°	122.1	119.5	120.4	112.1	106.3	91.6	80.8	77.5	76.8	78.7	80.7
22.5°	101.2	96.5	96.0	92.3	86.5	75.7	69.9	68.0	67.1	68.9	70.3
25°	88.6	83.8	81.9	79.6	73.5	66.1	62.6	60.8	59.9	61.0	61.9
27.5°	78.0	73.6	71.9	70.3	64.3	59.1	56.2	54.7	54.0	54.3	55.2
30°	70.1	66.3	64.0	62.0	56.9	53.3	50.8	49.2	48.5	48.5	49.4
32.5°	61.9	59.8	57.6	55.2	50.4	48.0	45.5	43.8	43.1	43.2	43.9
35°	51.5	50.8	51.3	49.0	45.0	42.9	40.4	38.5	38.0	38.1	38.8
37.5°	45.7	42.5	44.5	43.2	40.9	38.1	35.0	33.2	32.3	32.9	33.2
40°	42.0	38.1	36.7	38.0	37.6	33.0	30.2	28.5	27.8	27.9	28.3
42.5°	38.8	34.3	31.1	30.9	33.0	28.8	25.8	24.3	23.4	23.4	23.7
45°	35.9	30.9	27.1	24.1	27.8	24.4	21.6	20.2	19.2	19.2	19.3
47.5°	33.6	28.1	23.6	19.7	20.9	20.0	17.8	16.3	15.3	15.3	15.5
50°	31.5	25.3	20.4	16.5	15.6	16.5	14.4	12.8	12.1	12.0	12.3
52.5°	29.2	22.5	17.4	14.1	12.3	12.5	11.2	10.2	9.3	9.3	9.7
55°	26.9	20.2	15.1	12.0	10.2	9.3	9.0	8.3	7.6	7.6	7.9
57.5°	24.6	17.8	12.8	9.8	8.1	7.4	7.4	6.9	6.3	6.3	6.7
60°	22.5	15.3	10.5	8.1	6.3	6.2	6.3	5.8	5.4	5.4	5.8
62.5°	20.0	13.0	8.6	6.7	5.1	4.9	5.4	5.1	4.7	4.7	5.1
65°	17.0	11.1	6.9	5.1	3.9	3.9	4.6	4.2	3.9	3.9	4.2
67.5°	14.4	9.3	5.3	3.7	2.8	3.0	3.9	3.5	3.3	3.3	3.7
70°	12.0	7.2	3.7	2.3	1.6	2.3	3.0	3.0	3.0	3.0	3.3
72.5°	9.0	4.9	2.1	0.9	0.7	1.6	2.5	2.8	2.6	2.6	3.2
75°	5.8	2.8	0.7	0.0	0.0	0.9	1.9	2.3	2.3	2.1	2.6
77.5°	3.3	0.9	0.0	0.0	0.0	0.0	1.2	1.1	0.9	0.7	1.2
80°	0.9	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: P324075

CATALOG NUMBER: GAN-SA1B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6	1244.6
2.5°	1096.7	1117.4	1146.6	1177.5	1225.1	1262.9	1300.0	1331.8	1344.1	1349.2
5°	868.0	898.4	941.1	996.0	1081.9	1159.2	1237.6	1316.5	1350.8	1359.4
7.5°	622.8	661.7	716.0	784.7	885.4	985.6	1095.1	1210.9	1264.0	1277.3
10°	461.0	508.4	570.7	643.1	739.2	842.2	961.5	1093.9	1154.5	1172.2
12.5°	327.1	391.2	474.5	562.6	645.9	737.8	858.5	1004.4	1068.0	1087.2
15°	192.1	254.1	352.7	470.7	577.3	670.5	793.1	958.5	1028.6	1048.0
17.5°	110.2	141.1	215.6	347.1	491.9	620.9	772.6	969.9	1052.5	1070.5
20°	84.2	94.0	124.3	223.6	392.1	572.2	772.6	1034.6	1136.4	1162.7
22.5°	73.6	80.8	93.1	133.4	288.6	520.0	781.5	1128.1	1261.2	1290.3
25°	65.4	71.9	82.4	100.4	196.8	458.0	802.8	1242.9	1408.1	1445.9
27.5°	58.5	64.7	74.2	87.9	134.6	383.1	831.5	1377.5	1570.1	1600.4
30°	52.4	58.2	66.8	76.5	103.9	298.2	855.9	1504.4	1697.4	1729.9
32.5°	46.6	51.8	59.6	66.8	85.1	220.6	858.5	1604.9	1803.0	1835.3
35°	41.1	45.9	52.9	58.5	70.5	174.2	817.6	1692.1	1908.6	1951.3
37.5°	35.9	40.4	46.6	50.8	62.0	142.0	755.0	1789.3	2044.1	2083.7
40°	30.9	35.0	41.3	44.1	58.7	109.1	687.0	1891.2	2177.0	2213.2
42.5°	26.4	30.2	36.4	41.8	51.5	81.5	613.5	1986.8	2296.5	2334.4
45°	22.0	26.0	32.2	44.3	42.7	61.0	535.0	2050.3	2390.9	2432.2
47.5°	17.8	22.3	30.8	42.2	34.1	44.8	472.8	2110.4	2462.4	2503.2
50°	14.2	18.8	34.6	37.6	27.9	34.3	446.7	2164.2	2509.3	2548.5
52.5°	11.6	15.8	32.7	28.8	23.4	28.3	460.8	2251.3	2552.7	2577.3
55°	9.7	12.5	19.7	20.0	19.9	24.1	478.2	2376.5	2665.0	2676.6
57.5°	8.4	10.0	13.7	15.5	16.7	21.4	478.6	2556.1	2838.8	2846.0
60°	7.2	8.8	11.4	12.5	14.4	19.2	461.2	2618.8	2907.2	2931.1
62.5°	6.3	7.7	9.5	10.4	12.1	17.2	420.4	2527.9	2813.4	2854.0
65°	5.6	7.0	7.9	8.8	10.7	15.5	353.3	2346.2	2657.6	2700.0
67.5°	4.9	6.2	7.0	7.9	9.7	13.7	260.1	2135.2	2478.9	2514.1
70°	4.4	5.4	6.3	7.0	8.4	11.6	157.8	1811.8	2231.8	2246.4
72.5°	4.2	4.9	5.8	6.3	7.4	10.2	80.0	1331.5	1784.2	1807.9
75°	3.7	4.4	5.3	5.6	6.5	8.8	32.5	874.5	1293.0	1331.1
77.5°	3.0	4.0	4.7	5.1	5.6	7.2	16.5	558.9	907.4	932.0
80°	1.1	3.0	4.0	4.2	4.7	5.3	10.9	306.0	526.4	536.9
82.5°	0.0	1.9	3.2	3.0	3.3	4.0	7.0	145.5	347.5	351.3
85°	0.0	0.9	2.5	1.9	1.4	2.8	2.5	31.8	182.2	189.8
87.5°	0.0	0.0	0.2	0.9	0.7	1.1	0.4	0.2	16.5	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)