

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: P324163

Luminaire Tested: **GAN-SA9B-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324163
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-SA9B-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 800mA 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: 37876 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

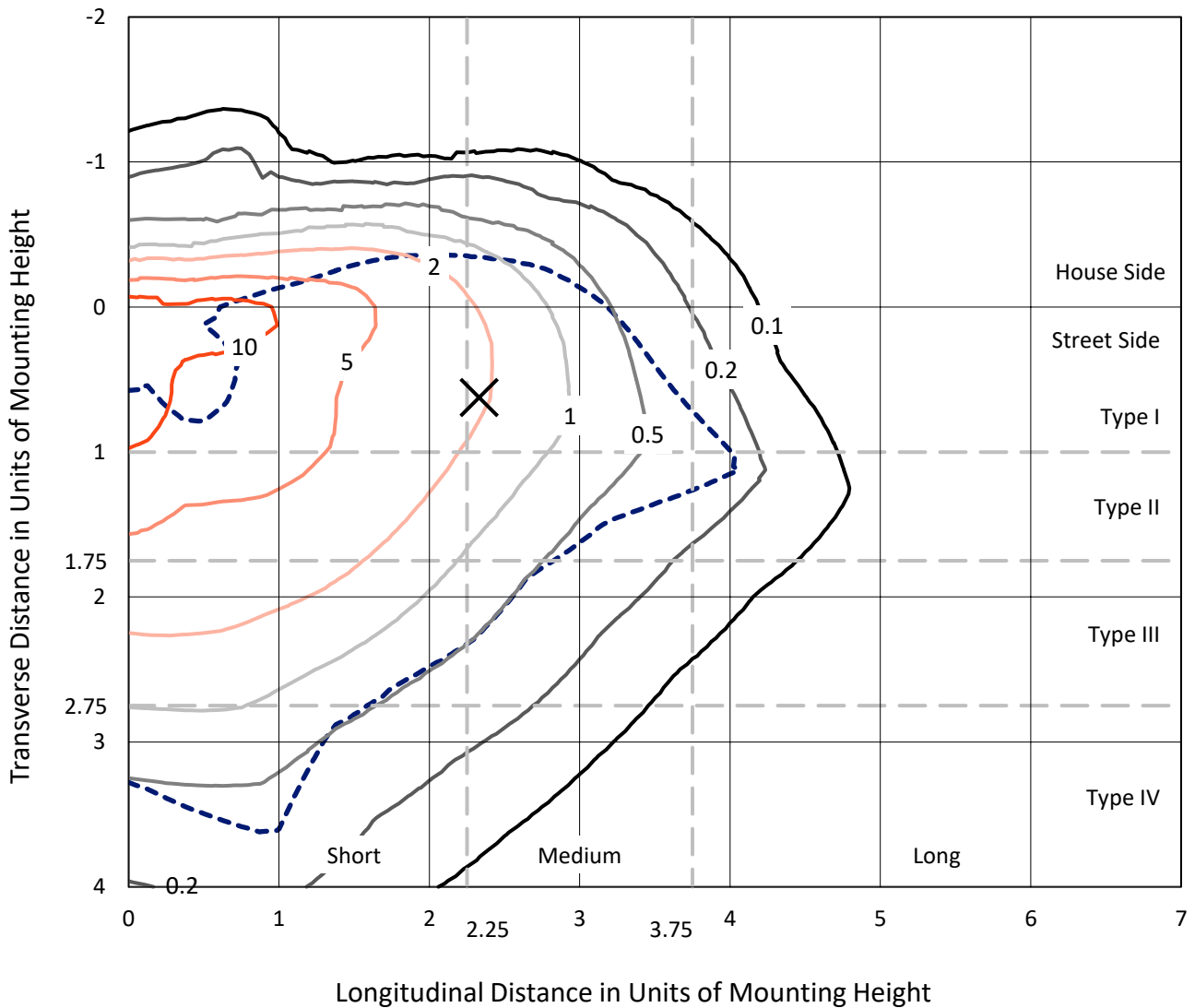
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324163
 CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

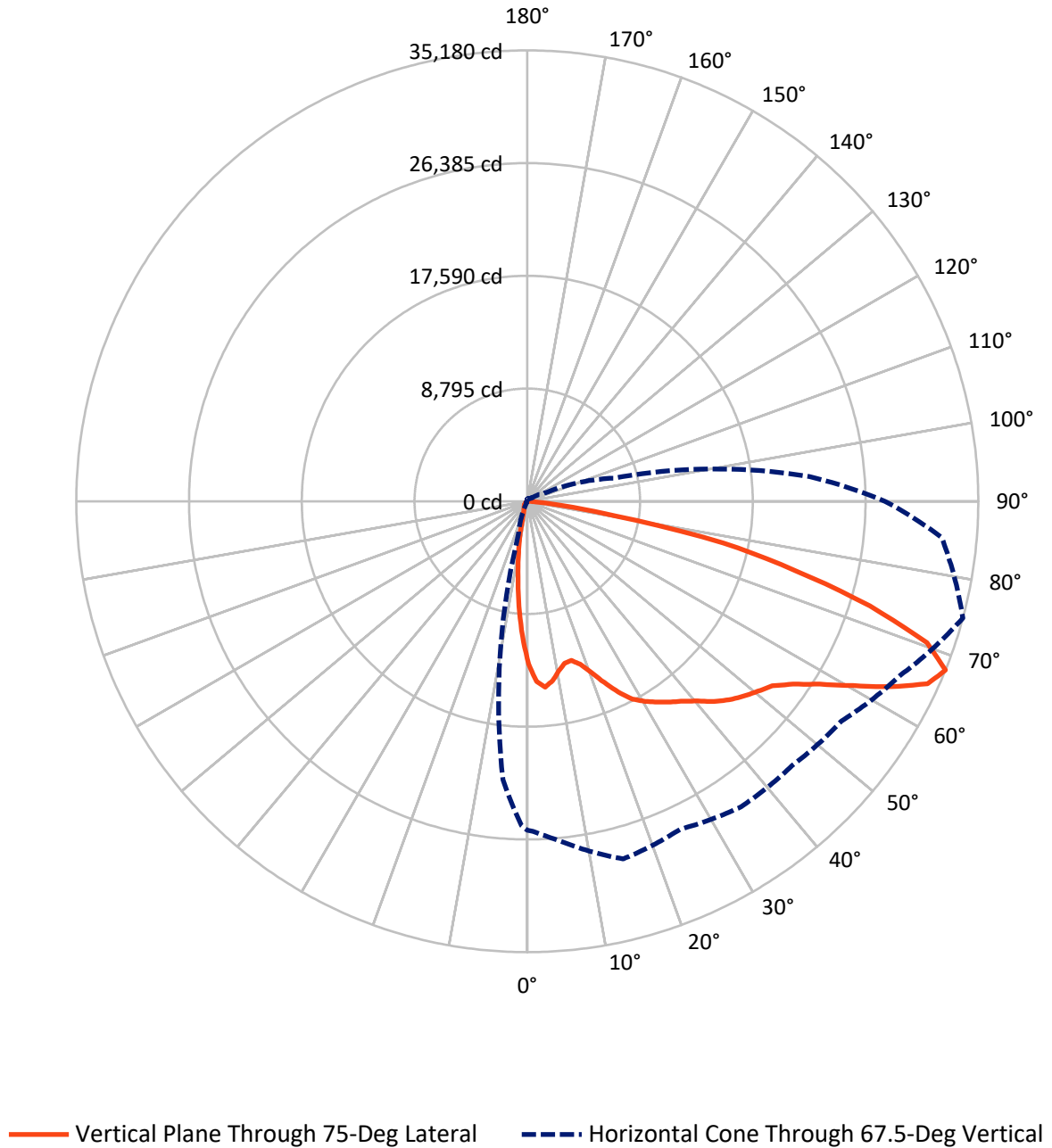
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 18.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P324163
CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324163
 CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

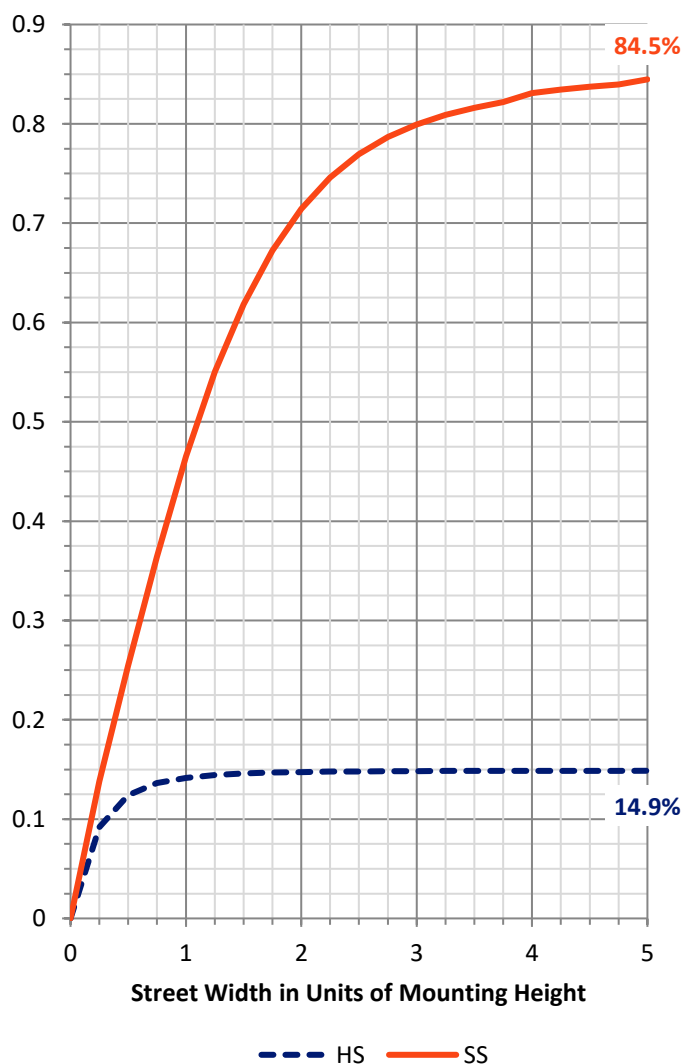
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5683.7	0.0	5683.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	32192.3	0.0	32192.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	37876.0	0.0	37876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	963.9	2.5
10°-20°	1897.9	5.0
20°-30°	2684.9	7.1
30°-40°	3947.6	10.4
40°-50°	5674.0	15.0
50°-60°	7987.5	21.1
60°-70°	9328.7	24.6
70°-80°	4759.2	12.6
80°-90°	632.2	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°	37876.0	100.0
0°-180°	37876.0	100.0

Coefficient of Utilization

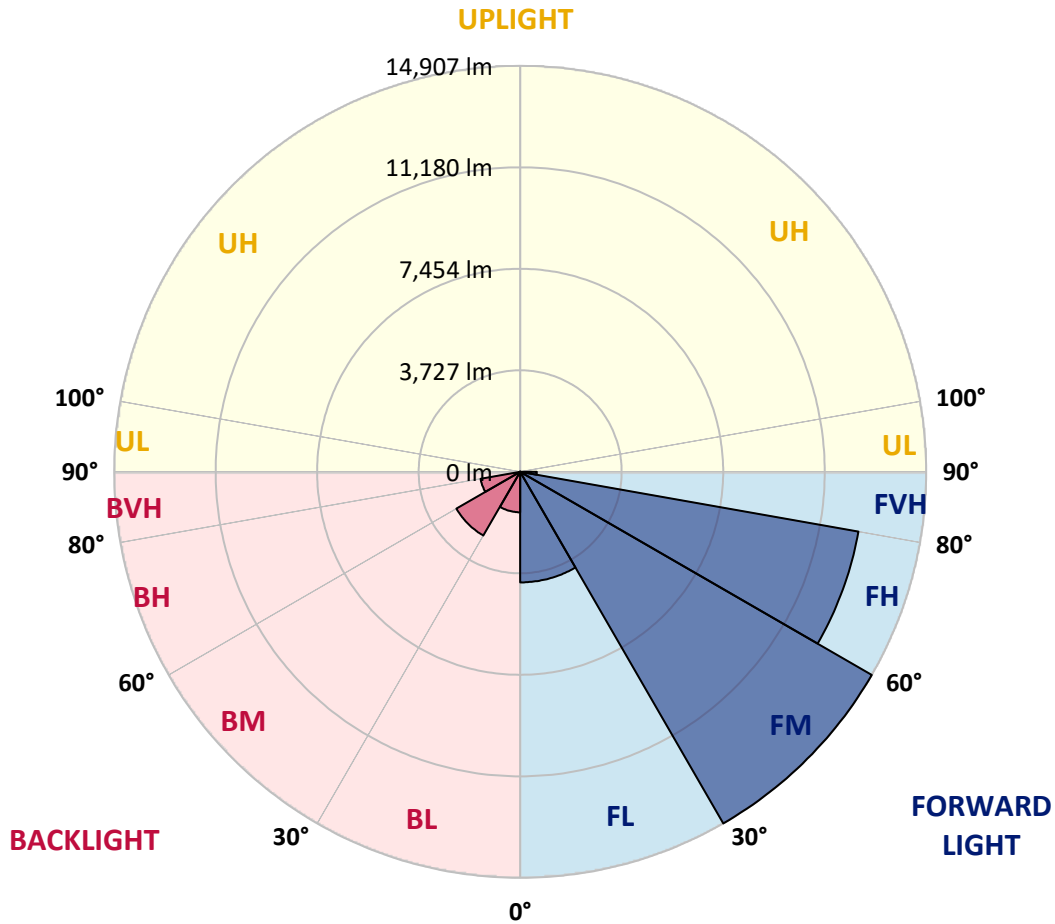


REPORT NUMBER: P324163
 CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4060.3	10.7			
FM (30°-60°)	14907.3	39.4			
FH (60°-80°)	12611.6	33.3			G5
FVH (80°-90°)	613.1	1.6			G4/750
BL (0°-30°)	1486.4	3.9	B3/2500		
BM (30°-60°)	2701.8	7.1	B3/5000		
BH (60°-80°)	1476.3	3.9	B3/2500		G3/2500
BVH (80°-90°)	19.2	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: P324163

CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8
2.5°	13774.3	13795.8	13907.1	14165.5	14447.2	14468.7	14658.9	14463.3	14396.9	14081.1	13754.6
5°	13878.4	13960.9	14343.1	15102.0	15760.5	15972.3	16123.0	15739.0	15335.3	14563.8	13740.2
7.5°	13040.5	13178.6	13779.7	15204.3	16381.3	16901.7	17000.3	16399.3	15410.7	14140.3	12902.3
10°	11967.5	12125.4	12850.3	14601.5	16218.1	17109.8	17246.2	16458.5	15037.5	13454.9	11996.2
12.5°	11099.1	11283.9	12024.9	13923.2	15656.5	16643.3	16912.4	16259.3	14714.5	12968.7	11377.2
15°	10699.0	10910.7	11689.4	13485.4	15033.9	15810.8	16033.3	15751.6	14535.1	12891.6	11233.7
17.5°	10928.7	11158.3	11962.1	13523.1	14448.9	14780.9	14960.3	15075.1	14535.1	13356.3	11653.5
20°	11870.6	12118.2	12968.7	13905.3	13964.5	13840.7	14032.7	14436.4	14703.7	14239.0	12661.9
22.5°	13173.3	13463.9	14423.8	14560.2	13727.7	13259.4	13284.5	13917.9	15010.5	15358.6	14061.4
25°	14761.1	15116.4	16092.5	15536.3	13826.4	12913.1	12904.1	13490.8	15310.2	16480.0	15620.6
27.5°	16338.3	16729.4	17587.1	16727.6	14233.6	12850.3	12832.3	13361.6	15602.6	17477.6	17323.3
30°	17660.6	18041.0	18780.2	17590.6	14673.2	12997.4	12911.3	13499.8	15776.7	18125.3	18564.9
32.5°	18737.2	19042.2	19639.7	18184.5	15143.3	13282.7	13096.1	13869.4	16072.7	18672.6	19706.0
35°	19921.4	20242.5	20481.2	18749.7	15670.8	13693.6	13426.2	14456.1	16528.5	19228.8	20956.6
37.5°	21272.4	21591.8	21563.1	19266.5	16340.1	14373.6	14203.1	15385.5	17237.2	19779.6	22352.5
40°	22594.8	22921.3	22688.1	19831.6	17125.9	15495.0	15369.4	16781.5	18186.3	20484.7	23988.9
42.5°	23832.8	24186.2	23687.4	20366.3	18062.5	16908.8	17124.1	18579.3	19374.1	21353.2	25399.1
45°	24830.4	25191.0	24525.4	20886.7	19049.4	18624.1	19271.8	20570.9	20802.3	22087.0	26351.9
47.5°	25555.2	25896.1	25106.7	21407.0	20312.5	20721.6	21850.2	22659.4	22092.4	22723.9	27028.3
50°	26018.2	26283.7	25277.1	22058.3	21970.4	23168.9	24536.1	24930.9	23307.1	23298.1	27850.1
52.5°	26312.4	26432.6	25402.7	22738.3	23700.0	25833.4	27166.5	27290.3	24557.7	23929.7	28957.1
55°	27326.2	27423.0	26292.7	23561.9	25130.0	28167.6	29545.6	29430.8	25973.3	25165.9	30263.3
57.5°	29055.8	29158.1	28131.8	24746.0	26287.3	29610.2	31269.9	31476.2	27633.0	26902.7	31662.8
60°	29924.2	30114.4	29748.4	26246.0	27408.7	30532.4	32445.1	33103.6	29707.1	29192.2	33019.2
62.5°	29136.5	29412.8	29943.9	27909.3	28522.9	31040.2	32811.1	33686.7	31831.5	31860.2	33855.4
65°	27564.8	27785.5	28686.2	28820.7	29168.8	30977.4	31906.8	32872.1	33132.3	34311.1	33810.5
67.5°	25666.5	25749.0	26513.4	28892.5	28232.2	29089.9	29190.4	29904.5	32104.2	35179.5	32452.3
70°	22933.9	22978.7	23646.2	26490.0	24261.6	24450.0	24301.1	24446.4	27600.7	33064.1	29023.5
72.5°	18457.3	18570.3	19519.4	21999.1	17675.0	17131.3	18301.2	18236.6	21256.3	27934.4	21555.9
75°	13589.5	13785.1	15218.7	17719.8	12405.3	11221.1	12075.2	12303.0	15111.0	21607.9	13480.1
77.5°	9514.8	9660.1	11048.9	13026.1	8978.3	8023.8	7715.2	7986.1	9974.1	15631.3	6791.2
80°	5481.4	5535.2	6421.6	7521.4	6050.1	6922.1	6270.8	6457.4	5976.6	6954.4	2921.0
82.5°	3586.7	3595.6	3941.9	4476.6	3767.9	4377.9	3240.4	4142.9	3676.4	2793.6	950.9
85°	1937.8	1948.5	2285.9	3177.6	2133.3	1205.7	708.7	1455.1	2273.3	640.5	260.2
87.5°	213.5	195.6	689.0	1155.5	592.1	109.4	37.7	163.3	364.2	41.3	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: P324163

CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8
2.5°	13587.7	13438.8	13067.4	12674.5	12358.7	12062.6	11764.8	11400.5	11118.9	11061.4	10968.1
5°	13297.1	12825.2	12046.5	11264.2	10634.4	9839.6	9335.4	8942.5	8558.5	8535.2	8458.0
7.5°	12281.5	11660.7	10564.4	9482.5	8596.2	7839.0	7074.7	6563.3	6161.4	6019.6	5935.3
10°	11305.5	10607.5	9238.5	8004.1	7212.8	6543.6	6005.3	5470.6	4986.2	4652.4	4501.7
12.5°	10623.6	9852.1	8343.2	7279.2	6712.2	6077.1	5420.4	4752.9	4194.9	3793.0	3547.2
15°	10359.9	9536.3	8043.5	6992.1	6292.4	5488.6	4648.9	3886.3	3267.3	2903.1	2682.4
17.5°	10673.9	9715.8	8020.2	6642.2	5664.4	4665.0	3737.4	2836.7	2253.6	1977.2	1835.5
20°	11470.5	10286.3	8011.2	6213.4	4918.0	3688.9	2531.7	1866.0	1512.5	1358.2	1291.8
22.5°	12597.3	11014.8	8083.0	5790.0	4141.1	2635.7	1747.6	1370.8	1189.6	1107.0	1069.4
25°	14047.0	12037.5	8285.8	5406.0	3410.8	1966.5	1361.8	1148.3	1020.9	956.3	929.4
27.5°	15591.9	13214.5	8601.5	5072.3	2816.9	1568.2	1166.3	983.2	891.7	846.9	821.8
30°	16865.8	14578.1	8920.9	4700.9	2386.3	1367.2	1067.6	897.1	791.3	762.5	739.2
32.5°	17980.0	15609.8	9147.0	4365.4	2104.6	1214.7	965.3	802.0	730.3	674.6	649.5
35°	19133.7	16469.3	9139.8	4130.3	1910.9	1099.9	879.2	717.7	631.6	567.0	547.2
37.5°	20382.5	17439.9	8983.7	3929.4	1826.5	1008.4	830.7	672.8	586.7	522.1	497.0
40°	21844.8	18459.1	8824.0	3741.0	1803.2	934.8	796.6	637.0	545.4	482.6	457.5
42.5°	23269.4	19377.7	8684.1	3601.0	1702.7	933.0	766.1	610.0	513.2	452.1	423.4
45°	24408.7	20233.6	8657.2	3516.7	1596.9	965.3	750.0	592.1	488.0	427.0	400.1
47.5°	25356.1	21163.0	8829.4	3457.5	1496.4	881.0	789.5	579.5	464.7	405.5	375.0
50°	26482.9	22304.1	9234.9	3360.6	1390.5	793.1	904.3	583.1	445.0	384.0	351.7
52.5°	28054.6	23883.0	9830.6	3197.3	1245.2	712.3	889.9	586.7	423.4	360.6	328.3
55°	29816.5	25854.9	10471.1	2926.4	1042.4	606.5	762.5	561.6	382.2	335.5	305.0
57.5°	31668.2	27643.7	10851.5	2603.4	828.9	523.9	610.0	511.4	337.3	301.4	281.7
60°	31958.9	28323.7	10677.5	2206.9	658.5	455.7	452.1	520.3	301.4	265.5	251.2
62.5°	31235.8	27469.7	9836.0	1853.4	550.8	400.1	371.4	453.9	272.7	236.8	222.5
65°	29845.3	25160.5	8472.4	1670.4	511.4	342.7	308.6	319.4	238.6	206.3	193.8
67.5°	27911.1	22078.0	6956.2	1566.4	506.0	294.3	263.8	242.2	206.3	179.4	168.7
70°	23956.6	18392.7	5549.6	1508.9	491.6	247.6	222.5	197.4	172.2	152.5	143.5
72.5°	17631.9	13033.3	4316.9	1446.2	495.2	197.4	193.8	163.3	138.2	118.4	114.8
75°	10187.6	7446.1	2831.3	1171.6	471.9	152.5	161.5	114.8	96.9	82.5	82.5
77.5°	5429.3	4541.2	1078.3	488.0	172.2	96.9	91.5	68.2	61.0	50.2	48.4
80°	2366.6	1998.8	324.8	136.4	95.1	52.0	34.1	30.5	26.9	21.5	19.7
82.5°	837.9	723.1	105.9	66.4	41.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	190.2	136.4	0.0	16.1	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: P324163
 CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8
2.5°	10778.0	10738.5	10505.2	10514.2	10555.5	10614.7	10474.7	10539.3	10713.4	10880.2	10943.0
5°	8334.2	8343.2	8201.4	8289.4	8368.3	8422.1	8196.1	8199.6	8337.8	8526.2	8624.9
7.5°	5872.5	5858.2	5865.3	6075.3	6224.2	6116.5	6200.9	5908.4	5926.3	6060.9	5960.4
10°	4365.4	4168.0	4056.8	4214.7	4377.9	4318.7	4173.4	4078.3	4144.7	4293.6	4282.8
12.5°	3430.6	3147.1	2980.2	2867.2	3001.7	2890.5	2886.9	2804.4	2714.7	2730.8	2969.5
15°	2580.1	2373.8	2176.4	1995.2	1991.6	1953.9	1761.9	1546.6	1528.7	1539.5	1663.3
17.5°	1774.5	1704.5	1623.8	1467.7	1426.4	1268.5	1081.9	995.8	952.7	972.5	1013.7
20°	1247.0	1220.1	1229.0	1144.7	1085.5	934.8	825.3	791.3	784.1	803.8	823.6
22.5°	1033.5	985.0	979.7	942.0	882.8	773.3	714.1	694.4	685.4	703.3	717.7
25°	904.3	855.8	836.1	812.8	750.0	674.6	638.7	620.8	611.8	622.6	631.6
27.5°	796.6	751.8	733.8	717.7	656.7	602.9	574.2	558.0	550.8	554.4	563.4
30°	715.9	676.4	653.1	633.4	581.3	543.7	518.5	502.4	495.2	495.2	504.2
32.5°	631.6	610.0	588.5	563.4	514.9	489.8	464.7	446.8	439.6	441.4	448.6
35°	525.7	518.5	523.9	500.6	459.3	437.8	412.7	392.9	387.6	389.3	396.5
37.5°	466.5	434.2	453.9	441.4	418.1	389.3	357.1	339.1	330.1	335.5	339.1
40°	428.8	389.3	375.0	387.6	384.0	337.3	308.6	290.7	283.5	285.3	288.9
42.5°	396.5	349.9	317.6	315.8	337.3	294.3	263.8	247.6	238.6	238.6	242.2
45°	366.0	315.8	276.3	245.8	283.5	249.4	220.7	206.3	195.6	195.6	197.4
47.5°	342.7	287.1	240.4	201.0	213.5	204.5	181.2	166.9	156.1	156.1	157.9
50°	321.2	258.4	208.1	168.7	159.7	168.7	147.1	131.0	123.8	122.0	125.6
52.5°	297.8	229.7	177.6	143.5	125.6	127.4	114.8	104.1	95.1	95.1	98.7
55°	274.5	206.3	154.3	122.0	104.1	95.1	91.5	84.3	77.2	77.2	80.7
57.5°	251.2	181.2	131.0	100.5	82.5	75.4	75.4	70.0	64.6	64.6	68.2
60°	229.7	156.1	107.7	82.5	64.6	62.8	64.6	59.2	55.6	55.6	59.2
62.5°	204.5	132.8	87.9	68.2	52.0	50.2	55.6	52.0	48.4	48.4	52.0
65°	174.0	113.0	70.0	52.0	39.5	39.5	46.7	43.1	39.5	39.5	43.1
67.5°	147.1	95.1	53.8	37.7	28.7	30.5	39.5	35.9	34.1	34.1	37.7
70°	122.0	73.6	37.7	23.3	16.1	23.3	30.5	30.5	30.5	30.5	34.1
72.5°	91.5	50.2	21.5	9.0	7.2	16.1	25.1	28.7	26.9	26.9	32.3
75°	59.2	28.7	7.2	0.0	0.0	9.0	19.7	23.3	23.3	21.5	26.9
77.5°	34.1	9.0	0.0	0.0	0.0	0.0	12.6	10.8	9.0	7.2	12.6
80°	9.0	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: P324163
 CATALOG NUMBER: GAN-SA9B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8	12706.8
2.5°	11196.0	11407.7	11705.6	12021.4	12507.6	12893.4	13271.9	13596.7	13722.3	13774.3
5°	8861.7	9172.1	9608.1	10167.9	11045.3	11834.8	12635.0	13440.6	13790.5	13878.4
7.5°	6358.8	6755.3	7309.7	8011.2	9039.3	10062.1	11179.9	12362.3	12904.1	13040.5
10°	4706.3	5190.7	5825.9	6565.1	7546.5	8598.0	9816.2	11167.3	11786.3	11967.5
12.5°	3339.1	3994.0	4844.4	5743.3	6593.8	7532.2	8764.8	10254.0	10903.5	11099.1
15°	1961.1	2594.5	3601.0	4805.0	5894.1	6845.0	8097.4	9785.7	10501.6	10699.0
17.5°	1125.0	1440.8	2201.5	3543.6	5022.1	6339.0	7887.4	9902.4	10745.7	10928.7
20°	859.4	959.9	1268.5	2282.3	4002.9	5842.0	7887.4	10562.6	11601.5	11870.6
22.5°	751.8	825.3	950.9	1361.8	2946.1	5309.1	7978.9	11517.2	12875.4	13173.3
25°	667.5	733.8	841.5	1024.5	2009.5	4675.8	8196.1	12688.8	14375.4	14761.1
27.5°	597.5	660.3	757.2	897.1	1374.4	3911.4	8488.5	14063.2	16029.7	16338.3
30°	534.7	593.9	681.8	780.5	1060.4	3044.8	8737.9	15358.6	17328.7	17660.6
32.5°	475.5	529.3	608.2	681.8	868.4	2251.8	8764.8	16384.9	18407.0	18737.2
35°	419.9	468.3	540.1	597.5	719.5	1778.1	8346.8	17274.9	19485.4	19921.4
37.5°	366.0	412.7	475.5	518.5	633.4	1449.7	7708.0	18267.1	20868.7	21272.4
40°	315.8	357.1	421.6	450.4	599.3	1114.2	7013.7	19307.7	22225.2	22594.8
42.5°	269.1	308.6	371.4	427.0	525.7	832.5	6263.7	20283.8	23445.2	23832.8
45°	224.3	265.5	328.3	452.1	436.0	622.6	5461.6	20931.5	24408.7	24830.4
47.5°	181.2	227.9	314.0	430.6	348.1	457.5	4826.5	21545.1	25139.0	25555.2
50°	145.3	192.0	353.5	384.0	285.3	349.9	4560.9	22094.2	25618.0	26018.2
52.5°	118.4	161.5	333.7	294.3	238.6	288.9	4704.5	22984.1	26061.2	26312.4
55°	98.7	127.4	201.0	204.5	202.7	245.8	4882.1	24261.6	27207.7	27326.2
57.5°	86.1	102.3	140.0	157.9	170.5	218.9	4885.7	26095.3	28982.2	29055.8
60°	73.6	89.7	116.6	127.4	147.1	195.6	4708.1	26735.8	29680.2	29924.2
62.5°	64.6	78.9	96.9	105.9	123.8	175.8	4291.8	25808.2	28722.1	29136.5
65°	57.4	71.8	80.7	89.7	109.4	157.9	3606.4	23953.0	27132.4	27564.8
67.5°	50.2	62.8	71.8	80.7	98.7	140.0	2655.5	21798.1	25307.6	25666.5
70°	44.9	55.6	64.6	71.8	86.1	118.4	1611.2	18496.7	22785.0	22933.9
72.5°	43.1	50.2	59.2	64.6	75.4	104.1	816.4	13593.1	18215.0	18457.3
75°	37.7	44.9	53.8	57.4	66.4	89.7	331.9	8928.1	13200.2	13589.5
77.5°	30.5	41.3	48.4	52.0	57.4	73.6	168.7	5705.7	9263.6	9514.8
80°	10.8	30.5	41.3	43.1	48.4	53.8	111.2	3123.8	5373.7	5481.4
82.5°	0.0	19.7	32.3	30.5	34.1	41.3	71.8	1485.6	3547.2	3586.7
85°	0.0	9.0	25.1	19.7	14.4	28.7	25.1	324.8	1860.6	1937.8
87.5°	0.0	0.0	1.8	9.0	7.2	10.8	3.6	1.8	168.7	213.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)