

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: P324603

Luminaire Tested: **GAN-SA9B-827-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-827-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27840 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G4

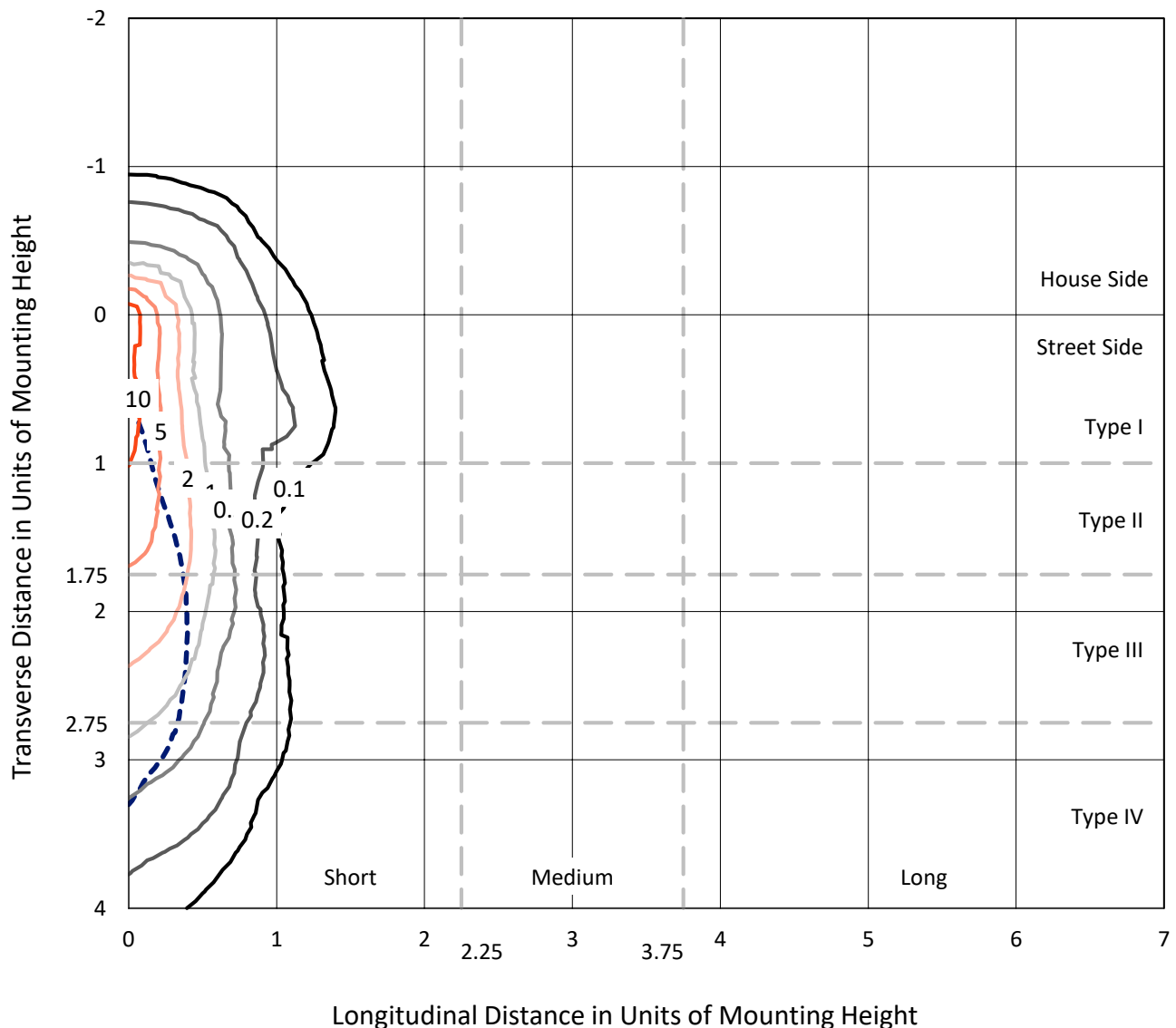
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324603
 CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

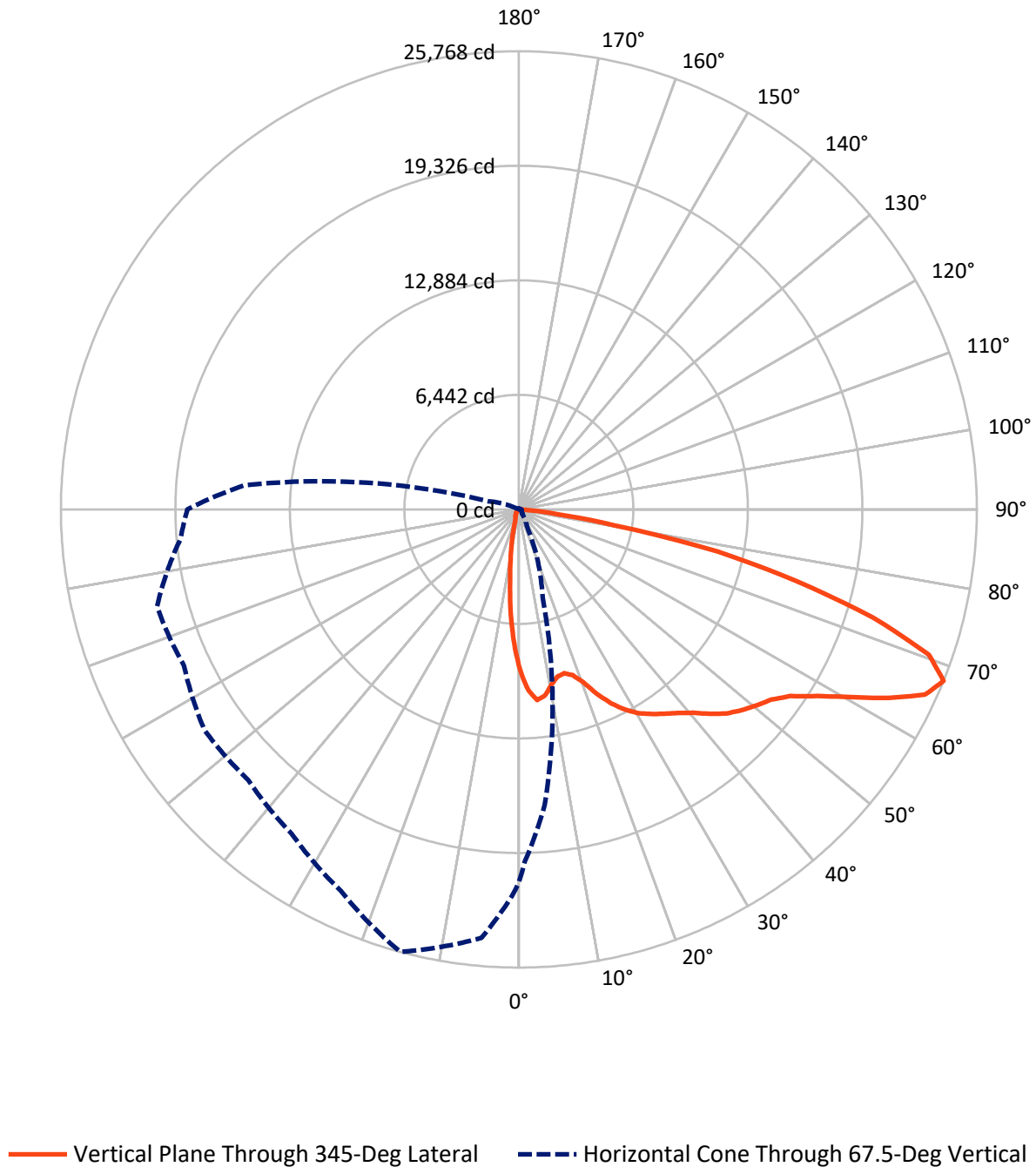
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P324603
CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324603

CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

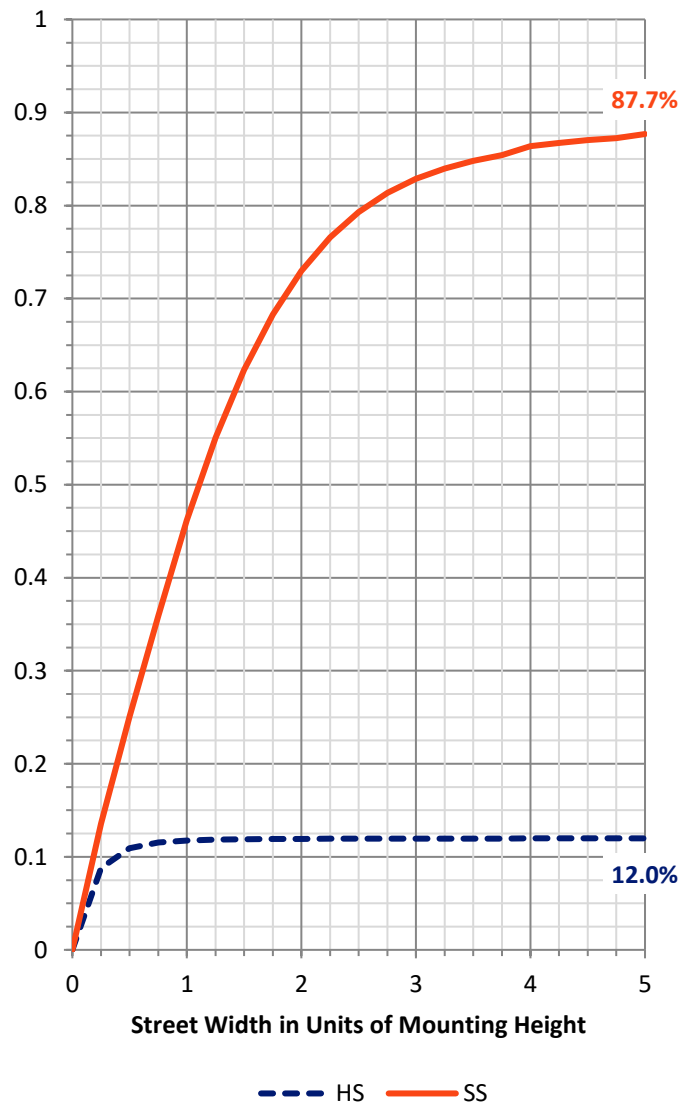
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3369.6	0.0	3369.6
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	24470.4	0.0	24470.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	27840.0	0.0	27840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.0	2.5
10°-20°	1385.4	5.0
20°-30°	1967.3	7.1
30°-40°	2905.8	10.4
40°-50°	4190.8	15.1
50°-60°	5883.0	21.1
60°-70°	6857.9	24.6
70°-80°	3505.9	12.6
80°-90°	447.7	1.6
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°	27840.0	100.0
0°-180°	27840.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324603

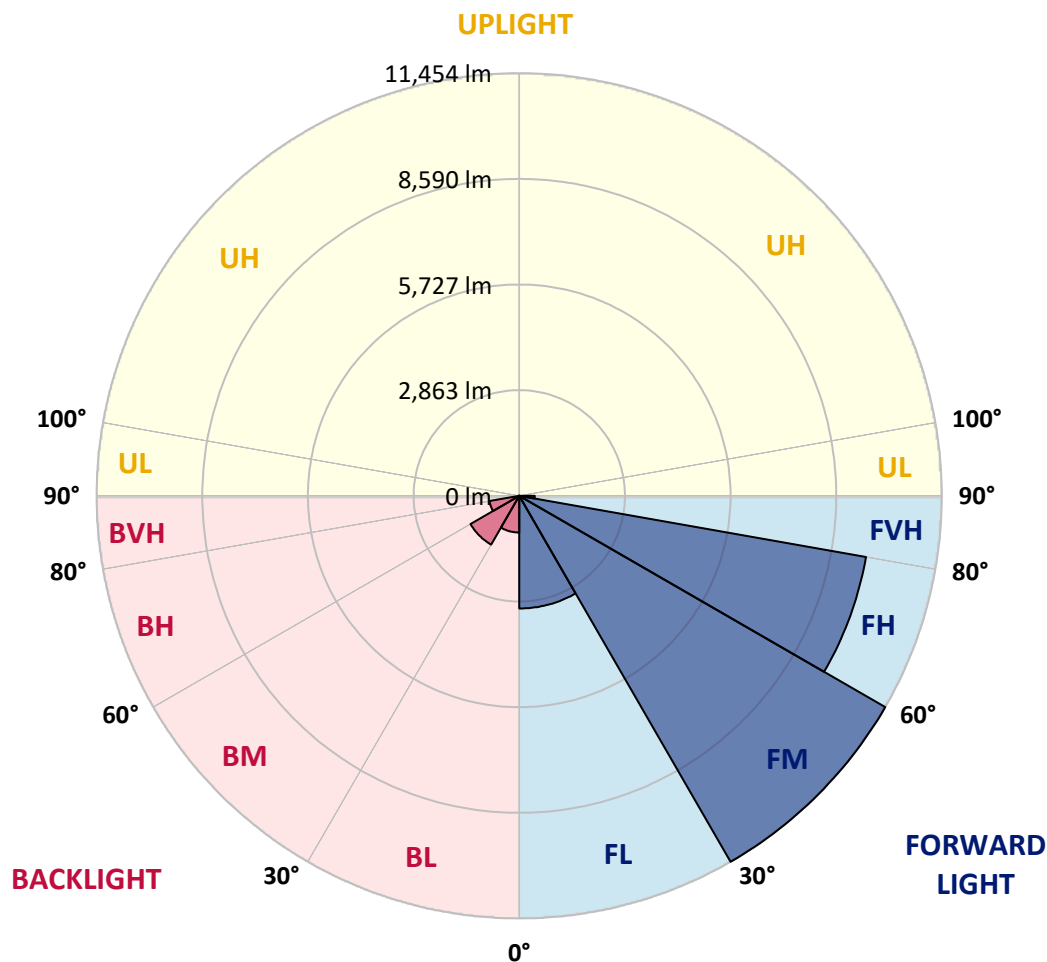
CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3053.5	11.0			
FM	(30°-60°)	11453.8	41.1			
FH	(60°-80°)	9542.6	34.3			G4/12000
FVH	(80°-90°)	420.5	1.5			G3/500
BL	(0°-30°)	995.2	3.6	B2/1000		
BM	(30°-60°)	1525.8	5.5	B2/2500		
BH	(60°-80°)	821.3	2.9	B2/1000		G2/1000
BVH	(80°-90°)	27.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Medium





REPORT NUMBER: P324603

CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8
2.5°	9930.1	9853.6	9769.2	9493.5	9237.6	8944.9	8706.1	8539.9	8331.6	8061.2	7992.6
5°	9858.9	9777.1	9512.0	8898.7	8361.9	7839.6	7335.8	7040.3	6673.7	6301.8	6209.4
7.5°	9142.7	9057.0	8674.5	7834.3	7111.6	6357.1	5703.0	5298.1	4883.9	4543.6	4363.0
10°	8397.5	8303.9	7873.9	6854.4	5964.1	5282.2	4802.2	4415.7	4024.0	3660.0	3369.8
12.5°	7884.4	7761.8	7294.9	6139.5	5364.0	4901.1	4452.6	3989.7	3459.5	3069.1	2749.9
15°	7669.5	7529.7	7036.4	5863.9	5151.7	4608.3	4024.0	3455.5	2834.3	2387.2	2094.4
17.5°	7835.6	7653.6	7124.8	5845.4	4885.2	4145.3	3406.7	2739.4	2065.4	1613.0	1404.6
20°	8400.1	8161.4	7490.1	5840.1	4562.1	3595.3	2658.9	1904.5	1361.1	1094.7	985.2
22.5°	9289.1	8973.9	8015.0	5882.3	4228.4	3017.7	1920.3	1293.9	1022.2	883.7	819.0
25°	10362.7	9997.3	8770.8	6031.4	3935.6	2455.8	1395.4	1022.2	862.6	761.0	706.9
27.5°	11383.5	11086.8	9725.6	6246.4	3708.8	2002.1	1132.9	866.5	737.3	670.0	626.5
30°	12403.0	12029.8	10705.6	6502.2	3435.8	1694.8	995.8	790.0	660.8	589.6	561.9
32.5°	13144.3	12834.3	11473.2	6686.9	3144.3	1494.3	890.3	722.8	617.3	544.7	503.8
35°	14016.1	13665.2	12131.3	6727.8	2957.0	1367.7	800.6	650.2	535.5	470.9	427.3
37.5°	14957.8	14521.2	12891.0	6638.1	2810.6	1305.7	733.3	617.3	499.9	433.9	387.8
40°	15999.7	15506.4	13620.4	6508.8	2666.8	1284.6	681.9	592.2	472.2	404.9	357.4
42.5°	17097.0	16515.4	14252.1	6373.0	2575.8	1212.1	676.6	567.1	451.1	378.5	331.0
45°	18019.0	17429.4	14901.1	6328.1	2511.2	1132.9	699.0	550.0	436.6	357.4	311.3
47.5°	18753.6	18195.7	15565.8	6428.4	2474.3	1060.4	637.0	572.4	428.6	339.0	294.1
50°	19630.7	18998.9	16502.2	6727.8	2420.2	987.9	576.4	655.5	428.6	327.1	279.6
52.5°	20730.6	20105.5	17546.8	7192.0	2312.1	887.6	518.3	656.8	432.6	311.3	261.1
55°	22114.2	21660.5	19038.5	7701.1	2139.3	739.9	448.4	564.5	416.8	282.2	244.0
57.5°	23441.0	23070.4	20398.3	8049.3	1908.5	577.7	390.4	455.0	381.2	248.0	217.6
59°	23803.7	23398.8	20896.8	8065.1	1735.7	503.8	361.4	375.9	373.3	232.1	201.8
60°	23803.7	23373.7	21040.6	7980.7	1610.4	462.9	342.9	335.0	389.1	221.6	192.6
62.5°	23372.4	22768.4	20573.7	7409.6	1313.6	394.4	299.4	277.0	349.5	199.2	170.1
65°	22475.6	21595.8	18983.1	6376.9	1171.2	361.4	258.5	226.9	242.7	175.4	149.0
67.5°	20979.9	19787.6	16689.5	5151.7	1114.5	352.1	222.9	192.6	183.3	150.4	130.6
70°	18346.0	17023.2	13905.3	4050.4	1065.7	348.2	187.3	162.2	147.7	126.6	110.8
72.5°	13352.6	11973.1	9872.0	3166.7	1036.7	356.1	150.4	135.8	121.3	98.9	85.7
75°	7637.8	6734.4	5548.7	2091.8	883.7	340.3	116.1	113.4	87.0	71.2	59.4
77.5°	3946.2	3826.2	3325.0	803.2	423.4	149.0	76.5	65.9	51.4	43.5	35.6
80°	1702.7	1684.2	1457.4	232.1	112.1	83.1	43.5	27.7	23.7	18.5	14.5
82.5°	588.2	588.2	518.3	77.8	50.1	40.9	5.3	0.0	0.0	0.0	0.0
85°	118.7	133.2	93.6	0.0	17.1	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: P324603

CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8
2.5°	7909.5	7749.9	7739.4	7639.1	7513.8	7457.1	7424.1	7482.2	7553.4	7561.3	7668.1
5°	6139.5	5972.0	6041.9	5863.9	5899.5	5863.9	5805.8	5816.4	5848.0	5749.1	5871.8
7.5°	4311.5	4184.9	4265.4	4217.9	4281.2	4306.2	4270.6	4217.9	4062.2	4043.8	4150.6
10°	3249.8	3106.0	3020.3	2930.6	2950.4	2991.3	2978.1	2939.9	2840.9	2846.2	2949.1
12.5°	2611.4	2450.5	2280.4	2060.1	2006.1	2036.4	2006.1	1983.6	1888.7	1896.6	1987.6
15°	1981.0	1849.1	1671.1	1494.3	1398.0	1407.3	1322.9	1263.5	1204.2	1132.9	1188.3
17.5°	1337.4	1256.9	1204.2	1151.4	1036.7	1010.3	903.5	788.7	743.9	710.9	734.6
20°	947.0	903.5	882.4	879.7	813.8	780.8	676.6	605.4	583.0	576.4	590.9
22.5°	791.3	759.7	729.4	712.2	679.2	641.0	561.9	526.2	510.4	502.5	513.1
25°	688.5	664.7	633.1	604.1	590.9	550.0	493.3	466.9	456.3	448.4	453.7
27.5°	612.0	590.9	553.9	535.5	524.9	489.3	440.5	419.4	410.2	407.5	406.2
30°	551.3	531.5	497.2	476.1	457.7	426.0	397.0	375.9	366.7	364.0	361.4
32.5°	490.6	474.8	452.4	431.3	411.5	382.5	357.4	340.3	325.8	323.1	321.8
35°	414.1	398.3	386.4	385.1	366.7	339.0	320.5	298.1	286.2	282.2	283.6
37.5°	368.0	346.9	320.5	329.7	324.5	304.7	279.6	257.2	245.3	242.7	242.7
40°	339.0	316.5	286.2	270.4	286.2	282.2	242.7	220.3	208.4	207.1	204.4
42.5°	311.3	288.8	254.5	228.2	236.1	248.0	209.7	188.6	176.7	174.1	170.1
45°	291.5	267.7	229.5	199.2	183.3	208.4	179.4	153.0	146.4	141.1	138.5
47.5°	273.0	250.6	207.1	172.8	146.4	150.4	143.8	125.3	117.4	112.1	110.8
50°	257.2	233.4	187.3	147.7	121.3	110.8	116.1	98.9	92.3	87.0	84.4
52.5°	238.7	216.3	166.2	127.9	101.6	87.0	88.4	77.8	71.2	67.3	65.9
55°	224.2	201.8	149.0	112.1	89.7	71.2	63.3	60.7	56.7	54.1	52.8
57.5°	204.4	183.3	131.9	95.0	76.5	58.0	48.8	48.8	47.5	44.8	43.5
59°	192.6	174.1	121.3	85.7	69.9	50.1	43.5	44.8	43.5	40.9	39.6
60°	183.3	166.2	113.4	79.1	65.9	46.2	39.6	42.2	40.9	38.2	36.9
62.5°	162.2	150.4	97.6	65.9	58.0	36.9	33.0	35.6	35.6	34.3	33.0
65°	142.4	129.3	83.1	55.4	54.1	31.7	26.4	31.7	33.0	30.3	27.7
67.5°	124.0	110.8	72.5	44.8	50.1	25.1	19.8	26.4	35.6	27.7	25.1
70°	105.5	92.3	56.7	35.6	52.8	17.1	15.8	23.7	42.2	30.3	23.7
72.5°	81.8	71.2	39.6	26.4	56.7	11.9	11.9	19.8	47.5	33.0	22.4
75°	56.7	46.2	23.7	15.8	46.2	7.9	7.9	18.5	44.8	30.3	21.1
77.5°	33.0	25.1	7.9	1.3	23.7	0.0	1.3	13.2	31.7	18.5	9.2
80°	11.9	5.3	0.0	0.0	14.5	0.0	0.0	0.0	2.6	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: P324603

CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8
2.5°	7695.8	7873.9	8033.5	8274.8	8561.0	8890.8	9174.3	9479.0	9765.2	9883.9	9965.7
5°	5896.8	6117.1	6374.3	6729.1	7201.3	7782.9	8327.6	8943.5	9605.6	9936.7	10247.9
7.5°	4169.1	4393.3	4712.5	5089.7	5660.8	6353.2	7065.4	7916.1	8813.0	9336.6	9852.3
10°	2997.9	3273.5	3571.6	4087.3	4667.6	5324.4	6057.8	7007.4	8007.1	8587.4	9208.6
12.5°	2040.4	2354.3	2805.3	3383.0	4064.9	4708.5	5345.5	6251.6	7412.3	7987.3	8653.4
15°	1223.9	1398.0	1875.5	2544.2	3380.4	4182.3	4880.0	5788.7	7025.8	7730.1	8422.6
17.5°	754.4	834.9	1094.7	1643.4	2521.8	3536.0	4492.2	5631.7	7081.2	7938.5	8679.7
20°	601.4	633.1	716.2	970.7	1671.1	2823.8	4055.6	5600.1	7533.6	8588.7	9384.0
22.5°	522.3	552.6	608.0	705.6	1051.2	2114.2	3641.5	5629.1	8182.5	9563.4	10491.9
25°	460.3	486.7	539.4	619.9	770.2	1489.0	3198.4	5758.4	9027.9	10772.9	11759.4
27.5°	411.5	433.9	482.7	556.6	660.8	1039.3	2695.9	5915.3	10030.3	12010.0	12983.4
30°	366.7	386.4	430.0	498.5	573.7	799.3	2144.5	6022.1	11034.0	12983.4	13857.8
32.5°	328.4	342.9	382.5	440.5	498.5	637.0	1630.2	6005.0	11779.2	13793.2	14486.9
35°	288.8	303.3	337.6	387.8	433.9	526.2	1282.0	5684.5	12428.1	14633.3	15207.0
37.5°	245.3	263.8	296.8	341.6	373.3	462.9	1036.7	5298.1	13086.2	15593.5	16010.3
40°	208.4	226.9	255.9	304.7	324.5	439.2	796.6	4827.2	13826.1	16667.1	16891.3
42.5°	172.8	189.9	220.3	262.5	306.0	378.5	589.6	4289.1	14537.0	17585.0	17694.5
45°	139.8	157.0	188.6	230.8	327.1	313.9	456.3	3712.7	15110.8	18348.7	18384.3
47.5°	110.8	126.6	159.6	217.6	304.7	250.6	325.8	3260.3	15592.2	18944.8	18851.2
50°	85.7	98.9	133.2	249.3	266.4	207.1	246.6	3110.0	16023.4	19314.1	19071.4
52.5°	67.3	79.1	109.5	233.4	207.1	171.5	207.1	3251.1	16614.3	19620.1	19195.4
55°	54.1	65.9	85.7	133.2	141.1	145.1	176.7	3383.0	17633.8	20337.6	19927.4
57.5°	44.8	56.7	69.9	93.6	106.8	122.7	157.0	3397.5	18835.4	21529.9	21142.1
59°	40.9	51.4	63.3	83.1	93.6	112.1	147.7	3318.4	19258.7	21963.8	21769.9
60°	38.2	48.8	59.4	76.5	87.0	105.5	142.4	3243.2	19277.2	21948.0	22037.7
62.5°	33.0	43.5	52.8	64.6	73.9	89.7	127.9	2964.9	18496.4	21229.2	21876.8
65°	29.0	38.2	47.5	55.4	63.3	80.5	116.1	2457.1	17163.0	20069.9	20775.5
67.5°	26.4	33.0	43.5	48.8	56.7	71.2	102.9	1751.5	15497.2	18652.0	19109.7
70°	23.7	31.7	39.6	44.8	51.4	62.0	88.4	1006.3	13086.2	16576.1	16901.8
72.5°	22.4	30.3	35.6	42.2	46.2	55.4	80.5	473.5	9581.9	13278.8	14129.5
75°	19.8	27.7	33.0	39.6	43.5	50.1	68.6	226.9	6373.0	9609.6	10576.3
77.5°	11.9	22.4	30.3	35.6	38.2	43.5	56.7	130.6	4067.5	6651.3	7834.3
80°	0.0	7.9	22.4	30.3	33.0	36.9	43.5	102.9	2176.2	3799.8	4560.8
82.5°	0.0	0.0	15.8	23.7	22.4	25.1	33.0	64.6	981.3	2483.5	2798.7
85°	0.0	0.0	5.3	18.5	15.8	11.9	22.4	22.4	215.0	1256.9	1568.2
87.5°	0.0	0.0	0.0	1.3	7.9	5.3	9.2	2.6	1.3	93.6	379.8
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: P324603

CATALOG NUMBER: GAN-SA9B-827-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8	9068.8
2.5°	10251.9	10349.5	10514.4	10592.2	10553.9	10391.7	10197.8	10000.0	9883.9	9930.1
5°	10882.3	11384.8	11675.0	11771.3	11610.4	11246.3	10770.2	10142.4	9919.5	9858.9
7.5°	10882.3	11828.0	12426.8	12532.3	12173.5	11460.0	10567.1	9587.2	9261.4	9142.7
10°	10499.8	11787.1	12622.0	12789.5	12288.3	11221.3	10025.0	8906.6	8520.2	8397.5
12.5°	10068.6	11454.7	12334.5	12565.3	12153.8	10983.9	9649.1	8446.3	7991.3	7884.4
15°	9803.5	11045.9	11773.9	11941.4	11767.3	10845.4	9559.5	8307.8	7772.3	7669.5
17.5°	9898.4	10729.3	10991.8	11089.4	11206.8	10796.6	9803.5	8611.2	7933.2	7835.6
20°	10255.8	10395.7	10259.8	10382.5	10699.0	10844.1	10385.1	9344.5	8530.7	8400.1
22.5°	10862.5	10222.9	9841.7	9890.5	10275.6	11001.0	11274.0	10391.7	9452.6	9289.1
25°	11569.5	10362.7	9609.6	9566.1	9961.7	11208.1	12086.5	11531.2	10543.4	10362.7
27.5°	12458.4	10676.6	9562.1	9518.6	9852.3	11402.0	12761.8	12657.6	11692.1	11383.5
30°	13144.3	10985.2	9703.2	9603.0	9961.7	11536.5	13303.8	13613.8	12607.5	12403.0
32.5°	13636.2	11349.2	9932.7	9787.6	10270.4	11768.6	13721.9	14489.6	13454.2	13144.3
35°	14010.8	11744.9	10303.3	10064.6	10695.0	12120.8	14113.7	15422.0	14355.0	14016.1
37.5°	14361.6	12300.2	10882.3	10597.4	11361.1	12687.9	14527.8	16479.8	15362.7	14957.8
40°	14850.9	12929.3	11775.2	11522.0	12480.8	13460.8	15044.8	17582.4	16508.8	15999.7
42.5°	15340.2	13604.6	12689.2	12757.8	13877.6	14399.9	15712.2	18748.3	17640.4	17097.0
45°	15787.4	14300.9	13991.0	14307.5	15174.1	15429.9	16375.6	19422.3	18543.9	18019.0
47.5°	16185.7	15171.4	15284.9	16127.6	16648.6	16362.4	16871.5	20003.9	19216.5	18753.6
50°	16648.6	16297.8	16990.2	18182.5	18346.0	17206.5	17322.6	20692.4	20002.6	19630.7
52.5°	17155.1	17484.8	18878.9	19930.1	19877.3	18123.1	17776.3	21463.9	21080.1	20730.6
55°	17730.1	18443.6	20542.0	21565.5	21520.7	19146.6	18528.1	22417.5	22430.7	22114.2
57.5°	18583.4	19269.3	21671.0	22888.4	22963.6	20328.4	19802.1	23485.8	23652.0	23441.0
59°	19195.4	19804.8	22118.1	23441.0	23747.0	21242.4	20733.3	24105.7	23996.3	23803.7
60°	19649.1	20145.0	22339.7	23729.8	24202.0	21862.3	21420.4	24469.7	24037.1	23803.7
62.5°	20771.5	20886.3	22739.3	24056.9	24725.6	23239.2	23353.9	25089.6	23753.6	23372.4
65°	21295.1	21354.5	22734.1	23471.3	24219.2	24311.5	25108.1	25108.1	23061.1	22475.6
67.5°	21076.2	20790.0	21606.4	21529.9	22276.4	23674.4	25767.6	24187.5	21737.0	20979.9
70°	19295.7	18194.4	17831.7	17864.6	18435.7	20592.1	24461.8	21478.5	19231.0	18346.0
72.5°	16055.1	13413.3	12517.8	13539.9	13689.0	15825.6	20846.7	16175.1	14182.2	13352.6
75°	12913.5	9455.3	7999.2	9078.1	9331.3	11581.4	16126.3	10073.8	8284.1	7637.8
77.5°	9277.2	6787.1	5739.9	5664.7	5991.8	7345.0	11442.9	5069.9	4228.4	3946.2
80°	5270.4	4467.1	4810.1	4538.4	4703.2	4592.4	5436.5	2223.7	1821.4	1702.7
82.5°	3181.2	2640.5	2859.4	2380.6	3012.4	2623.3	2094.4	712.2	618.6	588.2
85°	2069.4	1442.9	751.8	503.8	1038.0	1676.3	468.2	193.9	149.0	118.7
87.5°	713.5	368.0	36.9	15.8	110.8	312.6	17.1	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

(END OF REPORT)