

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: P324161

Luminaire Tested: **GAN-SA7B-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324161
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-SA7B-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 29966 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

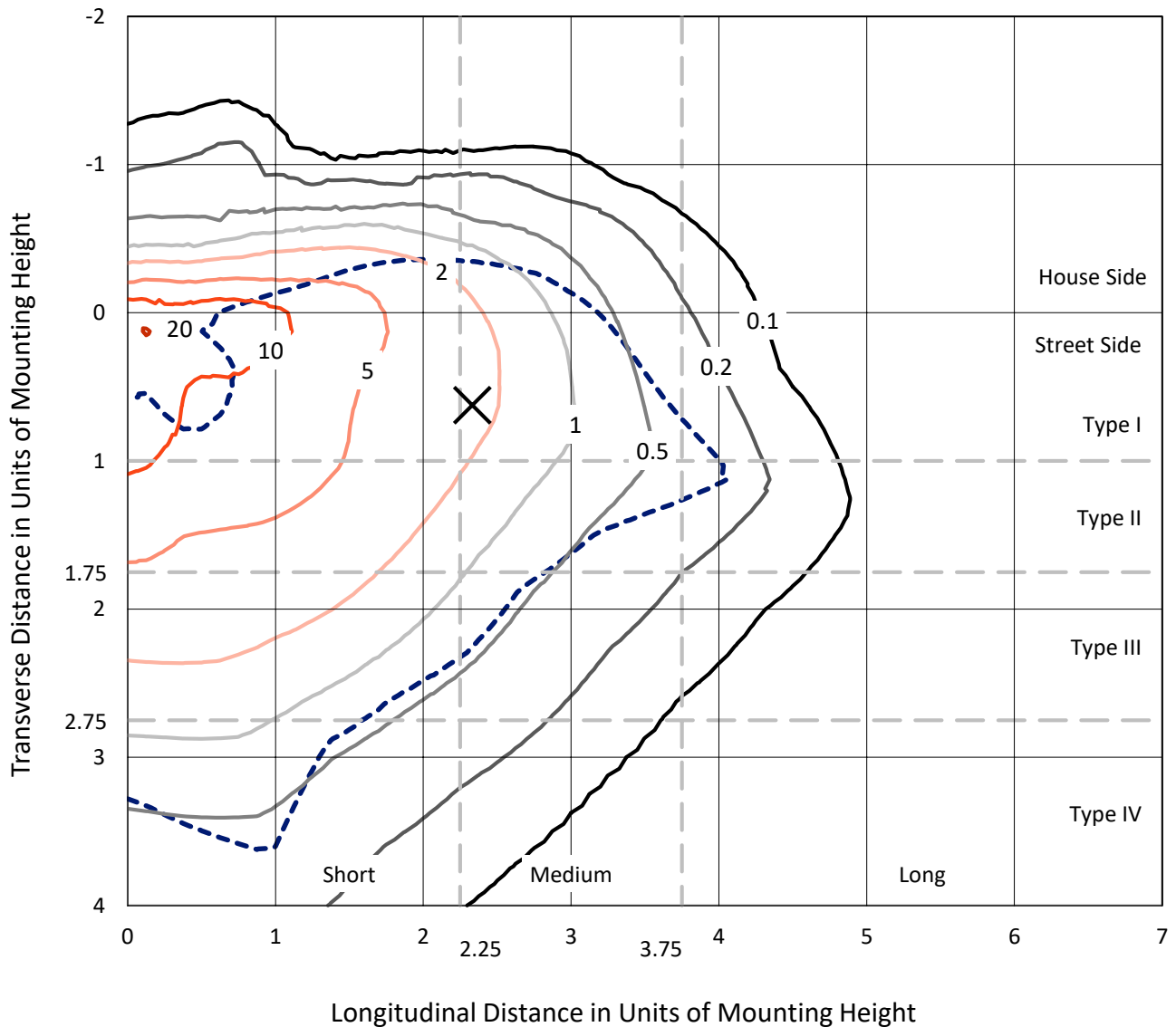
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324161
 CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

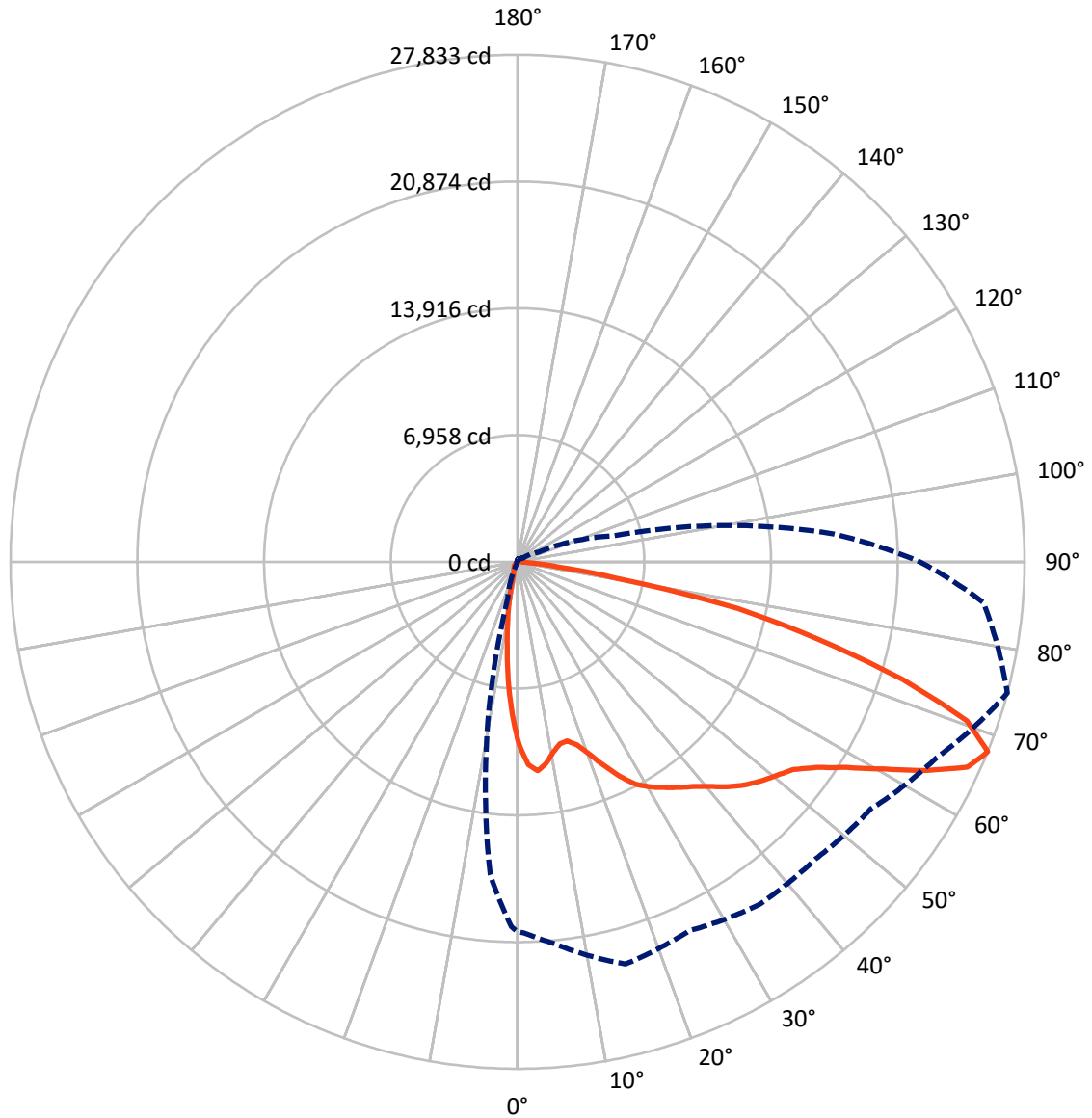
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P324161
CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P324161
 CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

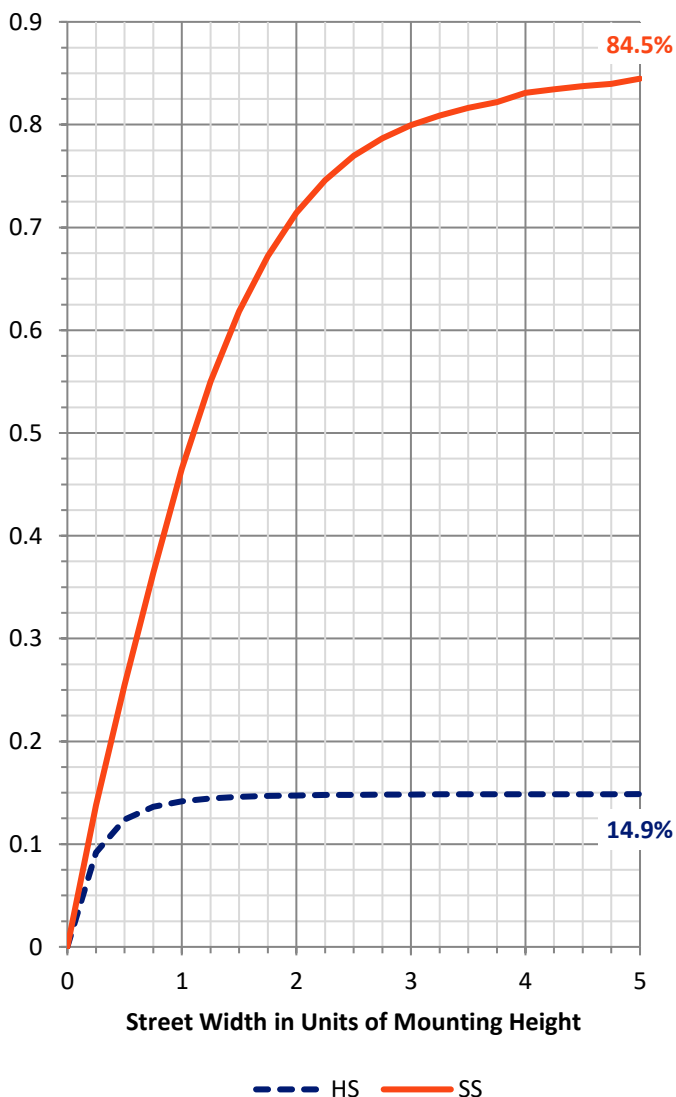
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4496.7	0.0	4496.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	25469.3	0.0	25469.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	29966.0	0.0	29966.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.6	2.5
10°-20°	1501.5	5.0
20°-30°	2124.2	7.1
30°-40°	3123.2	10.4
40°-50°	4489.1	15.0
50°-60°	6319.4	21.1
60°-70°	7380.5	24.6
70°-80°	3765.3	12.6
80°-90°	500.2	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°	29966.0	100.0
0°-180°	29966.0	100.0

Coefficient of Utilization

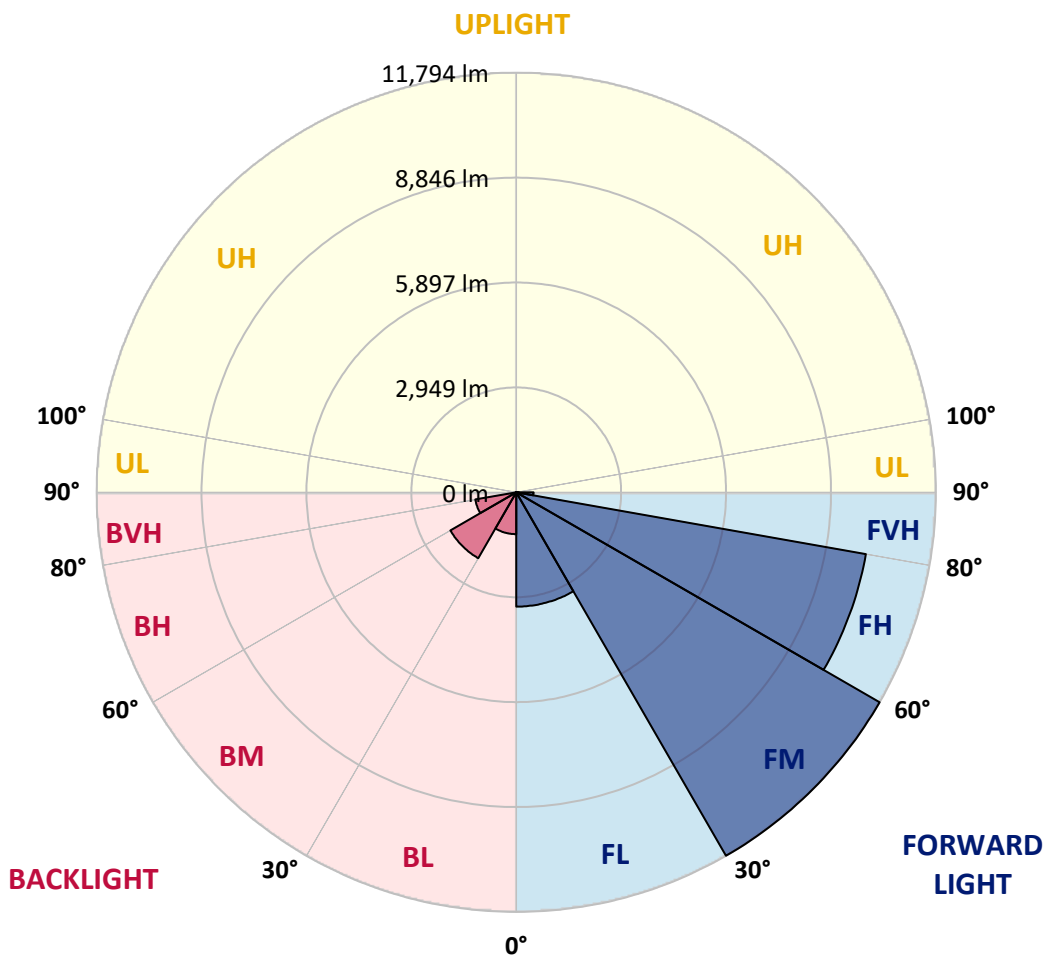


REPORT NUMBER: P324161
 CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3212.4	10.7			
FM (30°-60°)	11794.1	39.4			
FH (60°-80°)	9977.8	33.3			G4/12000
FVH (80°-90°)	485.0	1.6			G3/500
BL (0°-30°)	1175.9	3.9	B3/2500		
BM (30°-60°)	2137.6	7.1	B2/2500		
BH (60°-80°)	1168.0	3.9	B3/2500		G3/2500
BVH (80°-90°)	15.2	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-G4
 Type III Medium





REPORT NUMBER: P324161
 CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1
2.5°	10897.7	10914.7	11002.7	11207.2	11430.0	11447.1	11597.5	11442.8	11390.3	11140.4	10882.1
5°	10980.0	11045.3	11347.7	11948.1	12469.1	12636.6	12755.9	12452.1	12132.7	11522.3	10870.7
7.5°	10317.1	10426.4	10902.0	12029.1	12960.3	13371.9	13450.0	12974.5	12192.3	11187.3	10207.8
10°	9468.2	9593.2	10166.6	11552.1	12831.1	13536.6	13644.5	13021.3	11897.0	10645.0	9490.9
12.5°	8781.2	8927.4	9513.7	11015.5	12386.8	13167.5	13380.4	12863.7	11641.5	10260.3	9001.2
15°	8464.6	8632.1	9248.2	10669.2	11894.2	12508.9	12684.9	12462.0	11499.6	10199.3	8887.6
17.5°	8646.3	8828.0	9464.0	10699.0	11431.4	11694.1	11836.0	11926.9	11499.6	10566.9	9219.8
20°	9391.6	9587.5	10260.3	11001.3	11048.2	10950.2	11102.1	11421.5	11633.0	11265.4	10017.6
22.5°	10422.2	10652.1	11411.6	11519.5	10860.8	10490.3	10510.2	11011.3	11875.8	12151.1	11124.8
25°	11678.4	11959.5	12731.7	12291.7	10938.9	10216.3	10209.2	10673.4	12112.8	13038.3	12358.4
27.5°	12926.2	13235.7	13914.2	13234.2	11261.1	10166.6	10152.4	10571.2	12344.2	13827.6	13705.5
30°	13972.4	14273.3	14858.2	13917.0	11608.9	10283.0	10214.9	10680.5	12481.9	14340.0	14687.8
32.5°	14824.1	15065.4	15538.1	14386.9	11980.8	10508.7	10361.1	10972.9	12716.1	14773.0	15590.6
35°	15761.0	16015.1	16203.9	14834.0	12398.1	10833.8	10622.3	11437.1	13076.7	15213.1	16580.1
37.5°	16829.9	17082.6	17059.9	15242.9	12927.6	11371.8	11237.0	12172.4	13637.4	15648.9	17684.5
40°	17876.1	18134.4	17949.9	15690.0	13549.4	12259.0	12159.7	13276.8	14388.3	16206.7	18979.1
42.5°	18855.6	19135.2	18740.6	16113.0	14290.4	13377.6	13548.0	14699.2	15328.0	16893.8	20094.8
45°	19644.8	19930.1	19403.5	16524.7	15071.1	14734.7	15247.1	16274.9	16458.0	17474.4	20848.6
47.5°	20218.3	20488.0	19863.4	16936.4	16070.4	16394.1	17287.0	17927.2	17478.6	17978.3	21383.7
50°	20584.5	20794.6	19998.3	17451.6	17382.1	18330.3	19412.0	19724.3	18439.6	18432.5	22033.9
52.5°	20817.3	20912.5	20097.6	17989.6	18750.5	20438.3	21493.0	21591.0	19429.0	18932.2	22909.7
55°	21619.4	21696.0	20801.7	18641.2	19881.9	22285.1	23375.3	23284.5	20549.1	19910.3	23943.1
57.5°	22987.8	23068.7	22256.7	19578.1	20797.5	23426.4	24739.5	24902.7	21862.1	21284.4	25050.4
60°	23674.8	23825.3	23535.7	20764.8	21684.7	24156.1	25669.3	26190.2	23503.1	23095.7	26123.5
62.5°	23051.7	23270.3	23690.5	22080.7	22566.2	24557.8	25958.9	26651.6	25183.8	25206.5	26785.0
65°	21808.2	21982.8	22695.4	22801.8	23077.2	24508.1	25243.4	26007.1	26213.0	27145.6	26749.5
67.5°	20306.3	20371.6	20976.3	22858.6	22336.2	23014.8	23094.3	23659.2	25399.6	27832.6	25675.0
70°	18144.4	18179.9	18707.9	20957.9	19194.8	19343.9	19226.1	19341.0	21836.6	26159.0	22962.2
72.5°	14602.7	14692.1	15443.0	17404.8	13983.7	13553.6	14479.2	14428.1	16817.1	22100.6	17054.2
75°	10751.5	10906.2	12040.4	14019.2	9814.6	8877.7	9553.4	9733.7	11955.2	17095.3	10664.9
77.5°	7527.7	7642.7	8741.4	10305.8	7103.3	6348.1	6104.0	6318.3	7891.1	12366.9	5372.9
80°	4336.7	4379.2	5080.5	5950.7	4786.6	5476.5	4961.2	5108.9	4728.4	5502.1	2311.0
82.5°	2837.6	2844.7	3118.7	3541.7	2981.0	3463.6	2563.7	3277.7	2908.6	2210.2	752.3
85°	1533.1	1541.6	1808.5	2514.0	1687.8	953.9	560.7	1151.2	1798.5	506.8	205.8
87.5°	168.9	154.7	545.1	914.2	468.4	86.6	29.8	129.2	288.2	32.6	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: P324161
 CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1
2.5°	10750.1	10632.2	10338.4	10027.5	9777.7	9543.5	9307.8	9019.7	8796.8	8751.4	8677.6
5°	10520.1	10146.8	9530.7	8911.8	8413.5	7784.7	7385.8	7074.9	6771.1	6752.7	6691.6
7.5°	9716.7	9225.5	8358.2	7502.2	6800.9	6201.9	5597.2	5192.6	4874.7	4762.5	4695.8
10°	8944.4	8392.2	7309.1	6332.5	5706.5	5177.0	4751.2	4328.1	3944.9	3680.8	3561.6
12.5°	8405.0	7794.6	6600.8	5759.0	5310.4	4807.9	4288.4	3760.3	3318.9	3000.9	2806.4
15°	8196.3	7544.8	6363.7	5531.9	4978.3	4342.3	3678.0	3074.7	2585.0	2296.8	2122.2
17.5°	8444.8	7686.7	6345.3	5255.1	4481.4	3690.8	2956.9	2244.3	1782.9	1564.3	1452.2
20°	9075.0	8138.1	6338.2	4915.8	3890.9	2918.5	2003.0	1476.3	1196.7	1074.6	1022.1
22.5°	9966.5	8714.5	6395.0	4580.8	3276.3	2085.3	1382.6	1084.5	941.1	875.8	846.0
25°	11113.5	9523.6	6555.4	4277.0	2698.5	1555.8	1077.4	908.5	807.7	756.6	735.3
27.5°	12335.7	10454.8	6805.2	4013.0	2228.7	1240.7	922.7	777.9	705.5	670.0	650.1
30°	13343.5	11533.6	7057.9	3719.2	1888.0	1081.7	844.6	709.8	626.0	603.3	584.8
32.5°	14225.1	12349.9	7236.7	3453.7	1665.1	961.0	763.7	634.5	577.7	533.7	513.9
35°	15137.8	13029.8	7231.1	3267.7	1511.8	870.2	695.6	567.8	499.7	448.6	433.0
37.5°	16125.8	13797.8	7107.6	3108.8	1445.1	797.8	657.2	532.3	464.2	413.1	393.2
40°	17282.7	14604.1	6981.2	2959.7	1426.6	739.6	630.3	503.9	431.5	381.9	362.0
42.5°	18409.8	15330.9	6870.5	2849.0	1347.1	738.2	606.1	482.6	406.0	357.7	335.0
45°	19311.2	16008.0	6849.2	2782.3	1263.4	763.7	593.4	468.4	386.1	337.8	316.6
47.5°	20060.7	16743.3	6985.5	2735.4	1183.9	697.0	624.6	458.5	367.7	320.8	296.7
50°	20952.2	17646.1	7306.3	2658.8	1100.1	627.4	715.4	461.3	352.0	303.8	278.2
52.5°	22195.7	18895.3	7777.6	2529.6	985.2	563.6	704.1	464.2	335.0	285.3	259.8
55°	23589.7	20455.4	8284.4	2315.2	824.7	479.8	603.3	444.3	302.4	265.5	241.3
57.5°	25054.6	21870.6	8585.3	2059.7	655.8	414.5	482.6	404.6	266.9	238.5	222.9
60°	25284.6	22408.6	8447.6	1746.0	521.0	360.6	357.7	411.7	238.5	210.1	198.7
62.5°	24712.5	21732.9	7781.8	1466.4	435.8	316.6	293.8	359.1	215.8	187.4	176.0
65°	23612.4	19906.0	6703.0	1321.6	404.6	271.1	244.2	252.7	188.8	163.2	153.3
67.5°	22082.1	17467.3	5503.5	1239.2	400.3	232.8	208.7	191.6	163.2	142.0	133.4
70°	18953.5	14551.6	4390.6	1193.8	389.0	195.9	176.0	156.1	136.3	120.7	113.6
72.5°	13949.7	10311.4	3415.4	1144.1	391.8	156.1	153.3	129.2	109.3	93.7	90.8
75°	8060.1	5891.0	2240.0	927.0	373.3	120.7	127.8	90.8	76.7	65.3	65.3
77.5°	4295.5	3592.8	853.1	386.1	136.3	76.7	72.4	53.9	48.3	39.7	38.3
80°	1872.4	1581.4	256.9	107.9	75.2	41.2	27.0	24.1	21.3	17.0	15.6
82.5°	662.9	572.1	83.8	52.5	32.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	150.5	107.9	0.0	12.8	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: P324161

CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1
2.5°	8527.1	8495.9	8311.3	8318.4	8351.1	8397.9	8287.2	8338.3	8476.0	8608.0	8657.7
5°	6593.7	6600.8	6488.7	6558.2	6620.7	6663.3	6484.4	6487.2	6596.5	6745.6	6823.7
7.5°	4646.1	4634.8	4640.4	4806.5	4924.3	4839.2	4905.9	4674.5	4688.7	4795.2	4715.7
10°	3453.7	3297.6	3209.5	3334.5	3463.6	3416.8	3301.8	3226.6	3279.1	3396.9	3388.4
12.5°	2714.1	2489.8	2357.8	2268.4	2374.9	2286.9	2284.0	2218.7	2147.7	2160.5	2349.3
15°	2041.3	1878.0	1721.9	1578.5	1575.7	1545.9	1394.0	1223.6	1209.4	1218.0	1315.9
17.5°	1403.9	1348.5	1284.7	1161.2	1128.5	1003.6	856.0	787.8	753.8	769.4	802.0
20°	986.6	965.3	972.4	905.7	858.8	739.6	653.0	626.0	620.3	635.9	651.6
22.5°	817.6	779.3	775.1	745.3	698.4	611.8	565.0	549.4	542.3	556.5	567.8
25°	715.4	677.1	661.5	643.0	593.4	533.7	505.4	491.2	484.1	492.6	499.7
27.5°	630.3	594.8	580.6	567.8	519.5	477.0	454.2	441.5	435.8	438.6	445.7
30°	566.4	535.2	516.7	501.1	459.9	430.1	410.2	397.5	391.8	391.8	398.9
32.5°	499.7	482.6	465.6	445.7	407.4	387.5	367.7	353.5	347.8	349.2	354.9
35°	415.9	410.2	414.5	396.0	363.4	346.4	326.5	310.9	306.6	308.0	313.7
37.5°	369.1	343.5	359.1	349.2	330.7	308.0	282.5	268.3	261.2	265.5	268.3
40°	339.3	308.0	296.7	306.6	303.8	266.9	244.2	230.0	224.3	225.7	228.5
42.5°	313.7	276.8	251.3	249.8	266.9	232.8	208.7	195.9	188.8	188.8	191.6
45°	289.6	249.8	218.6	194.5	224.3	197.3	174.6	163.2	154.7	154.7	156.1
47.5°	271.1	227.1	190.2	159.0	168.9	161.8	143.4	132.0	123.5	123.5	124.9
50°	254.1	204.4	164.7	133.4	126.3	133.4	116.4	103.6	97.9	96.5	99.4
52.5°	235.6	181.7	140.5	113.6	99.4	100.8	90.8	82.3	75.2	75.2	78.1
55°	217.2	163.2	122.1	96.5	82.3	75.2	72.4	66.7	61.0	61.0	63.9
57.5°	198.7	143.4	103.6	79.5	65.3	59.6	59.6	55.4	51.1	51.1	53.9
60°	181.7	123.5	85.2	65.3	51.1	49.7	51.1	46.8	44.0	44.0	46.8
62.5°	161.8	105.0	69.6	53.9	41.2	39.7	44.0	41.2	38.3	38.3	41.2
65°	137.7	89.4	55.4	41.2	31.2	31.2	36.9	34.1	31.2	31.2	34.1
67.5°	116.4	75.2	42.6	29.8	22.7	24.1	31.2	28.4	27.0	27.0	29.8
70°	96.5	58.2	29.8	18.5	12.8	18.5	24.1	24.1	24.1	24.1	27.0
72.5°	72.4	39.7	17.0	7.1	5.7	12.8	19.9	22.7	21.3	21.3	25.6
75°	46.8	22.7	5.7	0.0	0.0	7.1	15.6	18.5	18.5	17.0	21.3
77.5°	27.0	7.1	0.0	0.0	0.0	0.0	9.9	8.5	7.1	5.7	9.9
80°	7.1	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: P324161
 CATALOG NUMBER: GAN-SA7B-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1	10053.1
2.5°	8857.8	9025.3	9261.0	9510.8	9895.5	10200.7	10500.2	10757.2	10856.5	10897.7
5°	7011.0	7256.6	7601.6	8044.5	8738.6	9363.2	9996.3	10633.7	10910.5	10980.0
7.5°	5030.8	5344.5	5783.1	6338.2	7151.6	7960.7	8845.1	9780.5	10209.2	10317.1
10°	3723.4	4106.7	4609.2	5194.0	5970.5	6802.4	7766.2	8835.1	9324.9	9468.2
12.5°	2641.7	3159.9	3832.7	4543.9	5216.8	5959.2	6934.4	8112.6	8626.5	8781.2
15°	1551.5	2052.6	2849.0	3801.5	4663.1	5415.5	6406.3	7742.1	8308.5	8464.6
17.5°	890.0	1139.9	1741.8	2803.6	3973.3	5015.2	6240.2	7834.4	8501.5	8646.3
20°	680.0	759.4	1003.6	1805.6	3167.0	4622.0	6240.2	8356.7	9178.7	9391.6
22.5°	594.8	653.0	752.3	1077.4	2330.9	4200.4	6312.6	9111.9	10186.5	10422.2
25°	528.1	580.6	665.8	810.5	1589.9	3699.3	6484.4	10038.9	11373.2	11678.4
27.5°	472.7	522.4	599.0	709.8	1087.4	3094.6	6715.8	11126.2	12682.0	12926.2
30°	423.0	469.9	539.4	617.5	838.9	2408.9	6913.1	12151.1	13709.8	13972.4
32.5°	376.2	418.8	481.2	539.4	687.1	1781.5	6934.4	12963.1	14562.9	14824.1
35°	332.2	370.5	427.3	472.7	569.2	1406.7	6603.6	13667.2	15416.0	15761.0
37.5°	289.6	326.5	376.2	410.2	501.1	1147.0	6098.3	14452.2	16510.5	16829.9
40°	249.8	282.5	333.6	356.3	474.1	881.5	5548.9	15275.5	17583.7	17876.1
42.5°	212.9	244.2	293.8	337.8	415.9	658.7	4955.6	16047.7	18548.9	18855.6
45°	177.4	210.1	259.8	357.7	344.9	492.6	4321.0	16560.2	19311.2	19644.8
47.5°	143.4	180.3	248.4	340.7	275.4	362.0	3818.5	17045.7	19889.0	20218.3
50°	115.0	151.9	279.6	303.8	225.7	276.8	3608.4	17480.0	20268.0	20584.5
52.5°	93.7	127.8	264.0	232.8	188.8	228.5	3722.0	18184.1	20618.6	20817.3
55°	78.1	100.8	159.0	161.8	160.4	194.5	3862.5	19194.8	21525.7	21619.4
57.5°	68.1	80.9	110.7	124.9	134.9	173.2	3865.4	20645.6	22929.6	22987.8
60°	58.2	71.0	92.3	100.8	116.4	154.7	3724.8	21152.4	23481.8	23674.8
62.5°	51.1	62.5	76.7	83.8	97.9	139.1	3395.5	20418.5	22723.8	23051.7
65°	45.4	56.8	63.9	71.0	86.6	124.9	2853.2	18950.7	21466.1	21808.2
67.5°	39.7	49.7	56.8	63.9	78.1	110.7	2100.9	17245.8	20022.4	20306.3
70°	35.5	44.0	51.1	56.8	68.1	93.7	1274.7	14633.9	18026.6	18144.4
72.5°	34.1	39.7	46.8	51.1	59.6	82.3	645.9	10754.3	14411.0	14602.7
75°	29.8	35.5	42.6	45.4	52.5	71.0	262.6	7063.6	10443.5	10751.5
77.5°	24.1	32.6	38.3	41.2	45.4	58.2	133.4	4514.1	7329.0	7527.7
80°	8.5	24.1	32.6	34.1	38.3	42.6	88.0	2471.4	4251.5	4336.7
82.5°	0.0	15.6	25.6	24.1	27.0	32.6	56.8	1175.4	2806.4	2837.6
85°	0.0	7.1	19.9	15.6	11.4	22.7	19.9	256.9	1472.0	1533.1
87.5°	0.0	0.0	1.4	7.1	5.7	8.5	2.8	1.4	133.4	168.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)