

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: P324131

Luminaire Tested: **GAN-SA7C-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324131
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-SA7C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 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: 33777 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

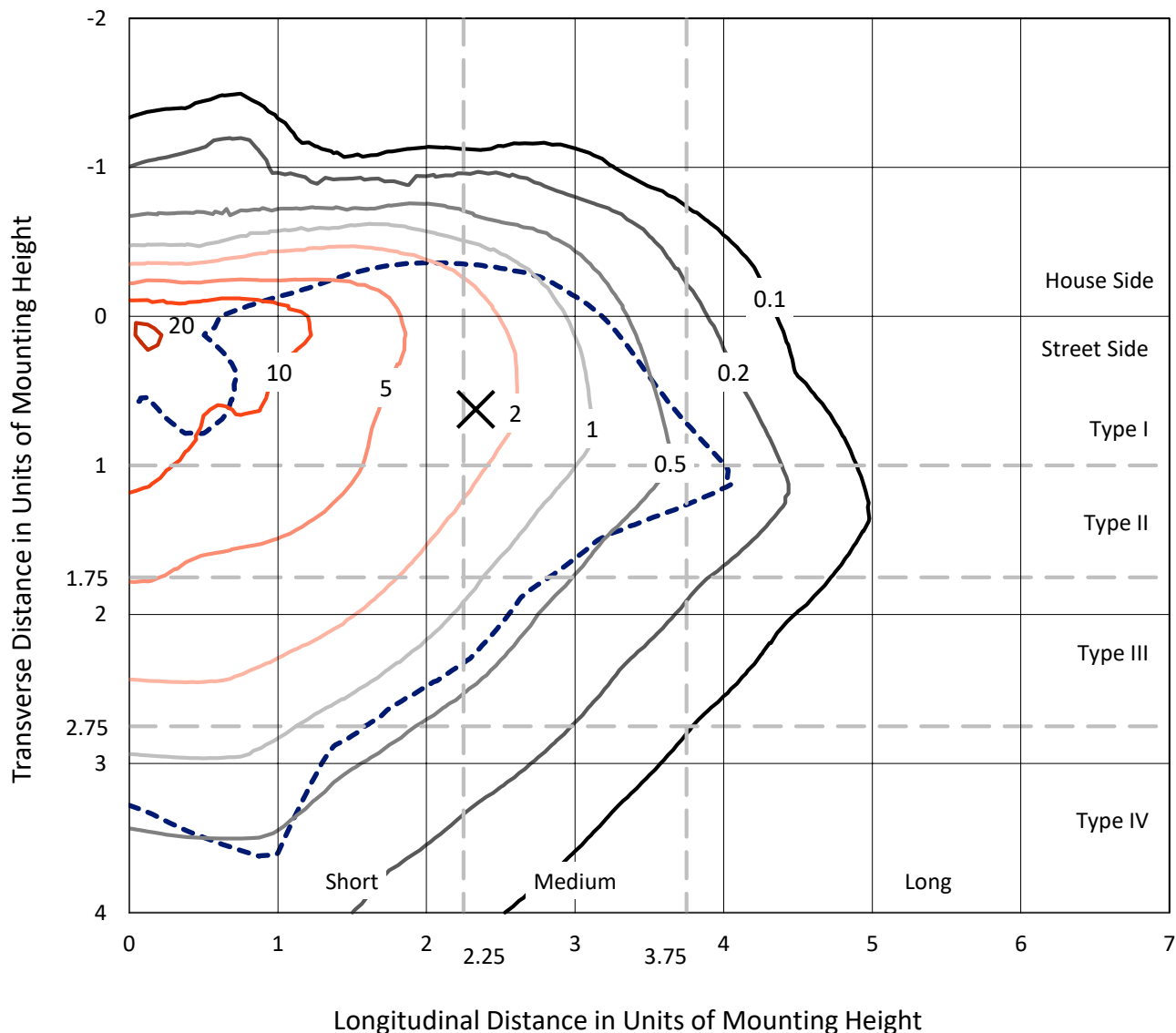
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324131
 CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

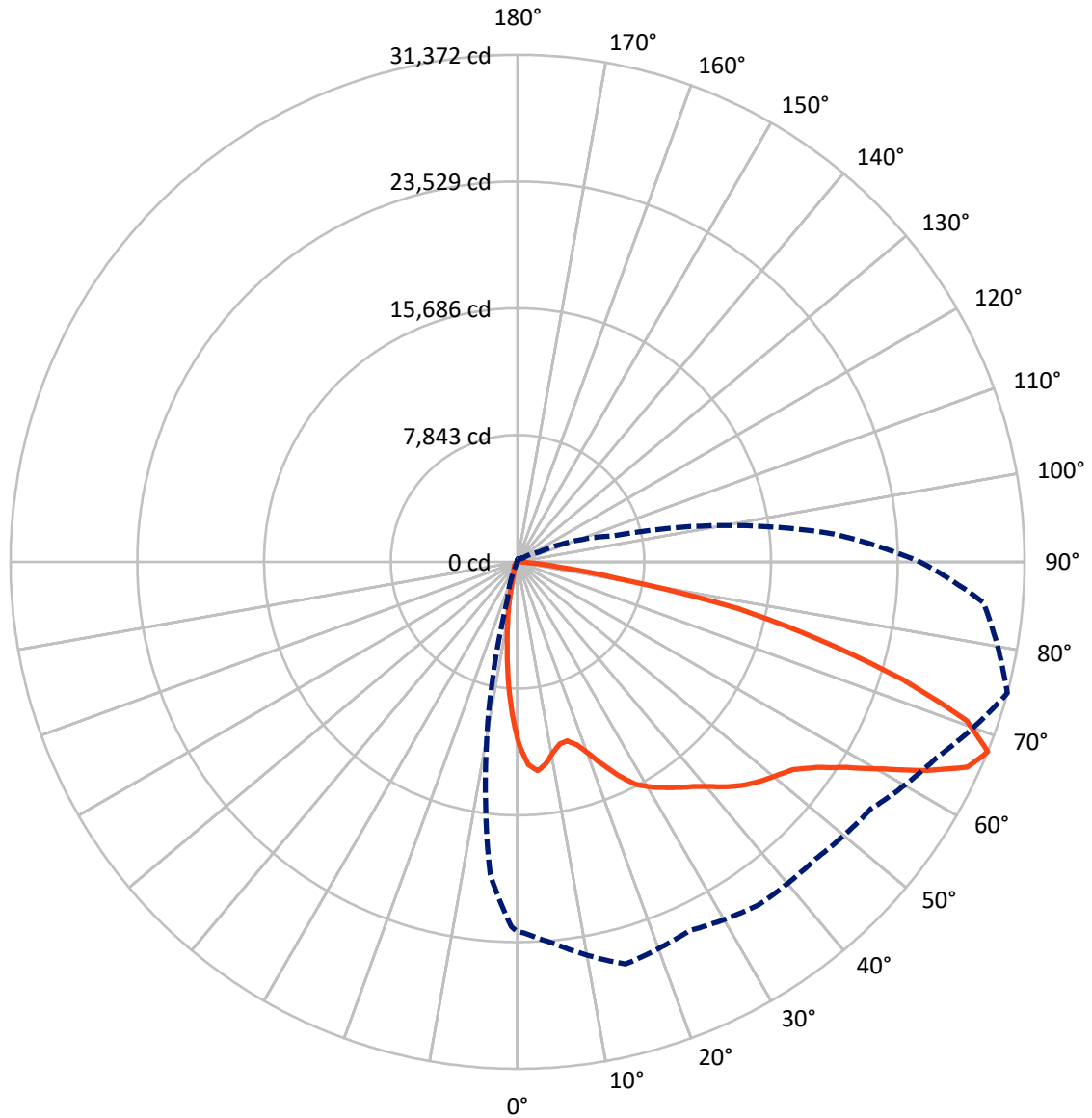
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P324131
CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P324131
 CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

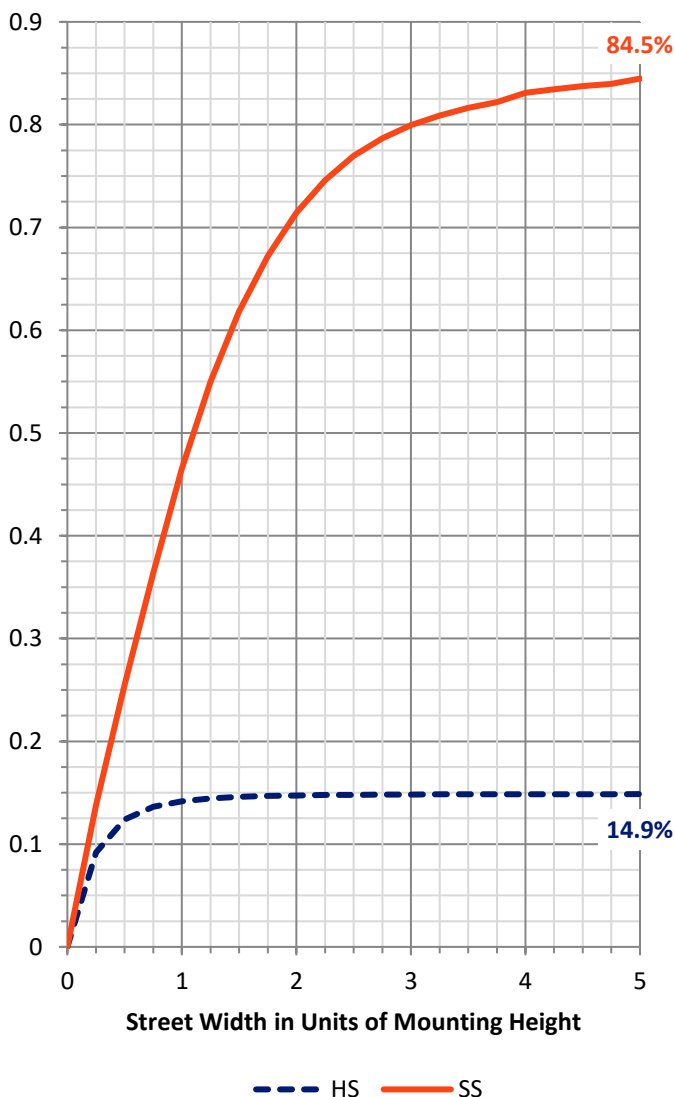
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5068.6	0.0	5068.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	28708.4	0.0	28708.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	33777.0	0.0	33777.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.6	2.5
10°-20°	1692.5	5.0
20°-30°	2394.4	7.1
30°-40°	3520.4	10.4
40°-50°	5060.0	15.0
50°-60°	7123.1	21.1
60°-70°	8319.2	24.6
70°-80°	4244.2	12.6
80°-90°	563.8	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°	33777.0	100.0
0°-180°	33777.0	100.0

Coefficient of Utilization

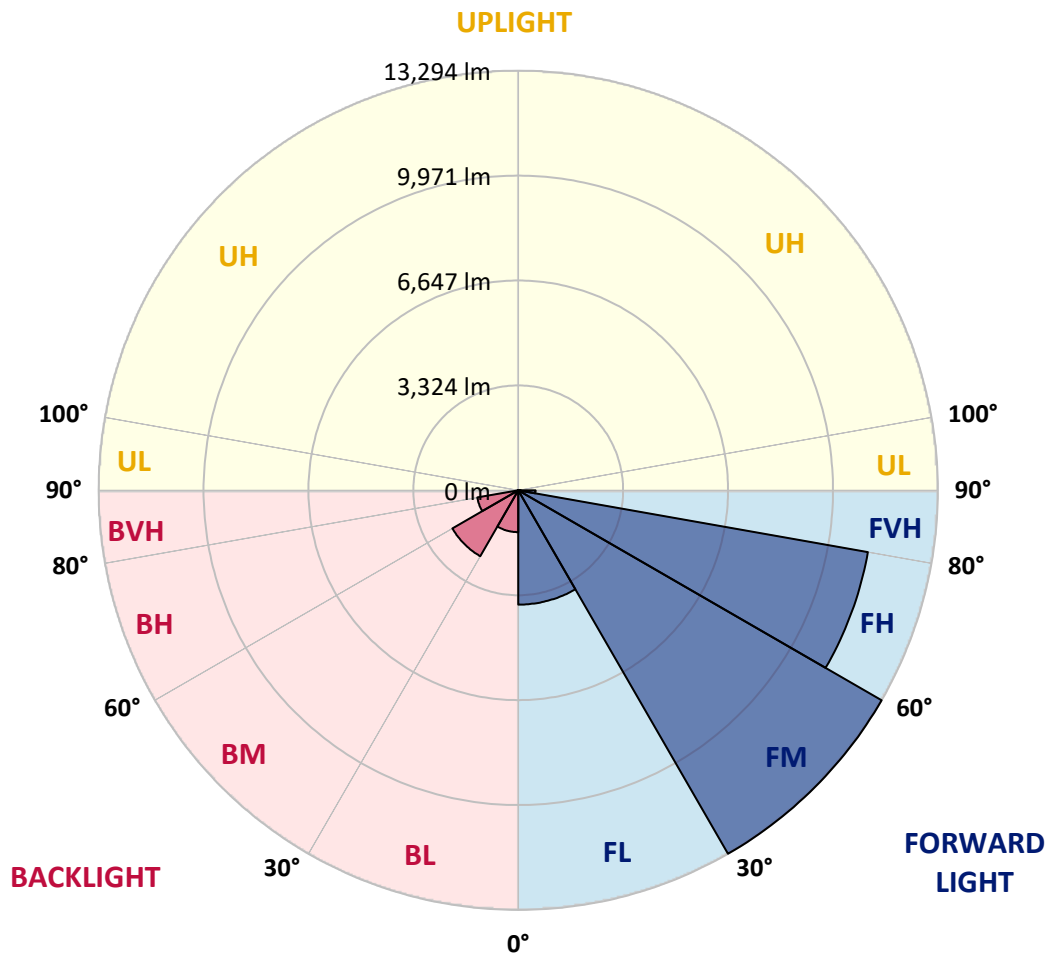


REPORT NUMBER: P324131
 CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3620.9	10.7			
FM (30°-60°)	13294.0	39.4			
FH (60°-80°)	11246.8	33.3			G4/12000
FVH (80°-90°)	546.7	1.6			G4/750
BL (0°-30°)	1325.5	3.9	B3/2500		
BM (30°-60°)	2409.4	7.1	B2/2500		
BH (60°-80°)	1316.5	3.9	B3/2500		G3/2500
BVH (80°-90°)	17.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P324131
 CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6
2.5°	12283.6	12302.8	12402.0	12632.5	12883.7	12902.9	13072.5	12898.1	12838.9	12557.2	12266.0
5°	12376.4	12450.0	12790.9	13467.7	14054.9	14243.7	14378.1	14035.7	13675.7	12987.7	12253.2
7.5°	11629.2	11752.4	12288.4	13558.9	14608.5	15072.5	15160.5	14624.5	13742.9	12610.1	11506.0
10°	10672.4	10813.2	11459.6	13021.3	14462.9	15258.1	15379.8	14677.3	13410.1	11998.8	10698.0
12.5°	9898.0	10062.8	10723.6	12416.4	13962.1	14842.1	15082.1	14499.7	13122.1	11565.2	10146.0
15°	9541.1	9729.9	10424.4	12026.0	13406.9	14099.7	14298.1	14046.9	12962.1	11496.4	10018.0
17.5°	9745.9	9950.8	10667.6	12059.6	12885.3	13181.3	13341.3	13443.7	12962.1	11910.8	10392.4
20°	10586.0	10806.8	11565.2	12400.4	12453.2	12342.8	12514.0	12874.1	13112.5	12698.1	11291.6
22.5°	11747.6	12006.8	12862.9	12984.5	12242.0	11824.4	11846.8	12411.6	13386.1	13696.5	12539.6
25°	13163.7	13480.5	14350.9	13854.9	12330.0	11515.6	11507.6	12030.8	13653.3	14696.5	13930.1
27.5°	14570.1	14918.9	15683.8	14917.3	12693.3	11459.6	11443.6	11915.6	13914.1	15586.2	15448.6
30°	15749.4	16088.6	16747.8	15687.0	13085.3	11590.8	11514.0	12038.8	14069.3	16163.8	16555.8
32.5°	16709.4	16981.4	17514.2	16216.6	13504.5	11845.2	11678.8	12368.4	14333.3	16651.8	17573.4
35°	17765.4	18051.8	18264.7	16720.6	13974.9	12211.6	11973.2	12891.7	14739.7	17147.8	18688.7
37.5°	18970.3	19255.1	19229.5	17181.4	14571.7	12818.1	12666.1	13720.5	15371.8	17639.0	19933.5
40°	20149.5	20440.7	20232.7	17685.4	15272.5	13818.1	13706.1	14965.3	16218.2	18267.9	21392.8
42.5°	21253.6	21568.8	21124.0	18162.3	16107.8	15078.9	15270.9	16568.6	17277.4	19042.3	22650.4
45°	22143.2	22464.8	21871.2	18626.3	16987.8	16608.6	17186.2	18344.7	18551.1	19696.7	23500.0
47.5°	22789.6	23093.6	22389.6	19090.3	18114.2	18479.1	19485.5	20207.1	19701.5	20264.7	24103.3
50°	23202.4	23439.2	22541.6	19671.1	19592.7	20661.5	21880.8	22232.8	20784.7	20776.7	24836.1
52.5°	23464.8	23572.0	22653.6	20277.5	21135.2	23037.6	24226.5	24336.9	21900.0	21340.0	25823.3
55°	24368.9	24455.3	23447.2	21012.0	22410.4	25119.3	26348.1	26245.7	23162.4	22442.4	26988.2
57.5°	25911.3	26002.5	25087.3	22068.0	23442.4	26405.7	27885.8	28069.8	24642.5	23991.3	28236.2
60°	26685.8	26855.4	26529.0	23405.6	24442.5	27228.2	28933.8	29521.1	26492.1	26032.9	29445.9
62.5°	25983.3	26229.7	26703.4	24888.9	25436.1	27681.0	29260.2	30041.1	28386.6	28412.2	30191.5
65°	24581.7	24778.5	25581.7	25701.7	26012.1	27625.0	28453.8	29314.6	29546.7	30597.9	30151.5
67.5°	22888.8	22962.4	23644.0	25765.7	25176.9	25941.7	26031.3	26668.2	28629.8	31372.3	28940.2
70°	20451.9	20491.9	21087.2	23623.2	21636.0	21804.0	21671.2	21800.8	24613.7	29485.9	25882.5
72.5°	16459.8	16560.6	17407.0	19618.3	15762.2	15277.3	16320.6	16263.0	18955.9	24911.3	19223.1
75°	12118.8	12293.2	13571.7	15802.2	11062.8	10006.8	10768.4	10971.6	13475.7	19269.5	12021.2
77.5°	8485.1	8614.7	9853.2	11616.4	8006.7	7155.5	6880.2	7121.9	8894.7	13939.7	6056.2
80°	4888.2	4936.2	5726.6	6707.4	5395.4	6173.0	5592.2	5758.6	5329.8	6201.8	2604.9
82.5°	3198.5	3206.5	3515.3	3992.1	3360.1	3904.1	2889.7	3694.5	3278.5	2491.3	848.0
85°	1728.1	1737.7	2038.5	2833.7	1902.5	1075.2	632.0	1297.6	2027.3	571.2	232.0
87.5°	190.4	174.4	614.4	1030.4	528.0	97.6	33.6	145.6	324.8	36.8	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: P324131
 CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6
2.5°	12117.2	11984.4	11653.2	11302.8	11021.2	10757.2	10491.6	10166.8	9915.6	9864.4	9781.2
5°	11858.0	11437.2	10742.8	10045.2	9483.5	8774.7	8325.1	7974.7	7632.3	7611.5	7542.7
7.5°	10952.4	10398.8	9421.1	8456.3	7665.9	6990.7	6309.0	5853.0	5494.6	5368.2	5293.0
10°	10082.0	9459.5	8238.7	7137.9	6432.2	5835.4	5355.4	4878.6	4446.6	4148.9	4014.5
12.5°	9473.9	8785.9	7440.3	6491.4	5985.8	5419.4	4833.8	4238.6	3740.9	3382.5	3163.3
15°	9238.7	8504.3	7173.1	6235.4	5611.4	4894.6	4145.7	3465.7	2913.7	2588.9	2392.1
17.5°	9518.7	8664.3	7152.3	5923.4	5051.4	4160.1	3332.9	2529.7	2009.7	1763.3	1636.9
20°	10229.2	9173.1	7144.3	5541.0	4385.8	3289.7	2257.7	1664.1	1348.8	1211.2	1152.0
22.5°	11234.0	9822.8	7208.3	5163.4	3692.9	2350.5	1558.5	1222.4	1060.8	987.2	953.6
25°	12526.8	10734.8	7389.1	4821.0	3041.7	1753.7	1214.4	1024.0	910.4	852.8	828.8
27.5°	13904.5	11784.4	7670.7	4523.4	2512.1	1398.5	1040.0	876.8	795.2	755.2	732.8
30°	15040.5	13000.5	7955.5	4192.2	2128.1	1219.2	952.0	800.0	705.6	680.0	659.2
32.5°	16034.2	13920.5	8157.1	3892.9	1876.9	1083.2	860.8	715.2	651.2	601.6	579.2
35°	17063.0	14686.9	8150.7	3683.3	1704.1	980.8	784.0	640.0	563.2	505.6	488.0
37.5°	18176.7	15552.6	8011.5	3504.1	1628.9	899.2	740.8	600.0	523.2	465.6	443.2
40°	19480.7	16461.4	7869.1	3336.1	1608.1	833.6	710.4	568.0	486.4	430.4	408.0
42.5°	20751.1	17280.6	7744.3	3211.3	1518.5	832.0	683.2	544.0	457.6	403.2	377.6
45°	21767.2	18043.8	7720.3	3136.1	1424.1	860.8	668.8	528.0	435.2	380.8	356.8
47.5°	22612.0	18872.7	7873.9	3083.3	1334.4	785.6	704.0	516.8	414.4	361.6	334.4
50°	23616.8	19890.3	8235.5	2996.9	1240.0	707.2	806.4	520.0	396.8	342.4	313.6
52.5°	25018.5	21298.4	8766.7	2851.3	1110.4	635.2	793.6	523.2	377.6	321.6	292.8
55°	26589.8	23056.8	9337.9	2609.7	929.6	540.8	680.0	500.8	340.8	299.2	272.0
57.5°	28241.0	24652.1	9677.1	2321.7	739.2	467.2	544.0	456.0	300.8	268.8	251.2
60°	28500.2	25258.5	9521.9	1968.1	587.2	406.4	403.2	464.0	268.8	236.8	224.0
62.5°	27855.4	24496.9	8771.5	1652.9	491.2	356.8	331.2	404.8	243.2	211.2	198.4
65°	26615.4	22437.6	7555.5	1489.7	456.0	305.6	275.2	284.8	212.8	184.0	172.8
67.5°	24890.5	19688.7	6203.4	1396.9	451.2	262.4	235.2	216.0	184.0	160.0	150.4
70°	21364.0	16402.2	4949.0	1345.6	438.4	220.8	198.4	176.0	153.6	136.0	128.0
72.5°	15723.8	11622.8	3849.7	1289.6	441.6	176.0	172.8	145.6	123.2	105.6	102.4
75°	9085.1	6640.2	2524.9	1044.8	420.8	136.0	144.0	102.4	86.4	73.6	73.6
77.5°	4841.8	4049.7	961.6	435.2	153.6	86.4	81.6	60.8	54.4	44.8	43.2
80°	2110.5	1782.5	289.6	121.6	84.8	46.4	30.4	27.2	24.0	19.2	17.6
82.5°	747.2	644.8	94.4	59.2	36.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	169.6	121.6	0.0	14.4	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: P324131
 CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6
2.5°	9611.5	9576.3	9368.3	9376.3	9413.1	9465.9	9341.1	9398.7	9553.9	9702.7	9758.7
5°	7432.3	7440.3	7313.9	7392.3	7462.7	7510.7	7309.1	7312.3	7435.5	7603.5	7691.5
7.5°	5237.0	5224.2	5230.6	5417.8	5550.6	5454.6	5529.8	5269.0	5285.0	5405.0	5315.4
10°	3892.9	3716.9	3617.7	3758.5	3904.1	3851.3	3721.7	3636.9	3696.1	3828.9	3819.3
12.5°	3059.3	2806.5	2657.7	2556.9	2676.9	2577.7	2574.5	2500.9	2420.9	2435.3	2648.1
15°	2300.9	2116.9	1940.9	1779.3	1776.1	1742.5	1571.3	1379.2	1363.2	1372.8	1483.3
17.5°	1582.5	1520.1	1448.1	1308.8	1272.0	1131.2	964.8	888.0	849.6	867.2	904.0
20°	1112.0	1088.0	1096.0	1020.8	968.0	833.6	736.0	705.6	699.2	716.8	734.4
22.5°	921.6	878.4	873.6	840.0	787.2	689.6	636.8	619.2	611.2	627.2	640.0
25°	806.4	763.2	745.6	724.8	668.8	601.6	569.6	553.6	545.6	555.2	563.2
27.5°	710.4	670.4	654.4	640.0	585.6	537.6	512.0	497.6	491.2	494.4	502.4
30°	638.4	603.2	582.4	564.8	518.4	484.8	462.4	448.0	441.6	441.6	449.6
32.5°	563.2	544.0	524.8	502.4	459.2	436.8	414.4	398.4	392.0	393.6	400.0
35°	468.8	462.4	467.2	446.4	409.6	390.4	368.0	350.4	345.6	347.2	353.6
37.5°	416.0	387.2	404.8	393.6	372.8	347.2	318.4	302.4	294.4	299.2	302.4
40°	382.4	347.2	334.4	345.6	342.4	300.8	275.2	259.2	252.8	254.4	257.6
42.5°	353.6	312.0	283.2	281.6	300.8	262.4	235.2	220.8	212.8	212.8	216.0
45°	326.4	281.6	246.4	219.2	252.8	222.4	196.8	184.0	174.4	174.4	176.0
47.5°	305.6	256.0	214.4	179.2	190.4	182.4	161.6	148.8	139.2	139.2	140.8
50°	286.4	230.4	185.6	150.4	142.4	150.4	131.2	116.8	110.4	108.8	112.0
52.5°	265.6	204.8	158.4	128.0	112.0	113.6	102.4	92.8	84.8	84.8	88.0
55°	244.8	184.0	137.6	108.8	92.8	84.8	81.6	75.2	68.8	68.8	72.0
57.5°	224.0	161.6	116.8	89.6	73.6	67.2	67.2	62.4	57.6	57.6	60.8
60°	204.8	139.2	96.0	73.6	57.6	56.0	57.6	52.8	49.6	49.6	52.8
62.5°	182.4	118.4	78.4	60.8	46.4	44.8	49.6	46.4	43.2	43.2	46.4
65°	155.2	100.8	62.4	46.4	35.2	35.2	41.6	38.4	35.2	35.2	38.4
67.5°	131.2	84.8	48.0	33.6	25.6	27.2	35.2	32.0	30.4	30.4	33.6
70°	108.8	65.6	33.6	20.8	14.4	20.8	27.2	27.2	27.2	27.2	30.4
72.5°	81.6	44.8	19.2	8.0	6.4	14.4	22.4	25.6	24.0	24.0	28.8
75°	52.8	25.6	6.4	0.0	0.0	8.0	17.6	20.8	20.8	19.2	24.0
77.5°	30.4	8.0	0.0	0.0	0.0	0.0	11.2	9.6	8.0	6.4	11.2
80°	8.0	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: P324131
 CATALOG NUMBER: GAN-SA7C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6	11331.6
2.5°	9984.4	10173.2	10438.8	10720.4	11154.0	11498.0	11835.6	12125.2	12237.2	12283.6
5°	7902.7	8179.5	8568.3	9067.5	9850.0	10554.0	11267.6	11986.0	12298.0	12376.4
7.5°	5670.6	6024.2	6518.6	7144.3	8061.1	8973.1	9970.0	11024.4	11507.6	11629.2
10°	4197.0	4629.0	5195.4	5854.6	6729.8	7667.5	8753.9	9958.8	10510.8	10672.4
12.5°	2977.7	3561.7	4320.2	5121.8	5880.2	6717.0	7816.3	9144.3	9723.5	9898.0
15°	1748.9	2313.7	3211.3	4285.0	5256.2	6104.2	7221.1	8726.7	9365.1	9541.1
17.5°	1003.2	1284.8	1963.3	3160.1	4478.6	5653.0	7033.9	8830.7	9582.7	9745.9
20°	766.4	856.0	1131.2	2035.3	3569.7	5209.8	7033.9	9419.5	10346.0	10586.0
22.5°	670.4	736.0	848.0	1214.4	2627.3	4734.6	7115.5	10270.8	11482.0	11747.6
25°	595.2	654.4	750.4	913.6	1792.1	4169.7	7309.1	11315.6	12819.7	13163.7
27.5°	532.8	588.8	675.2	800.0	1225.6	3488.1	7569.9	12541.2	14294.9	14570.1
30°	476.8	529.6	608.0	696.0	945.6	2715.3	7792.3	13696.5	15453.4	15749.4
32.5°	424.0	472.0	542.4	608.0	774.4	2008.1	7816.3	14611.7	16415.0	16709.4
35°	374.4	417.6	481.6	532.8	641.6	1585.7	7443.5	15405.4	17376.6	17765.4
37.5°	326.4	368.0	424.0	462.4	564.8	1292.8	6873.8	16290.2	18610.3	18970.3
40°	281.6	318.4	376.0	401.6	534.4	993.6	6254.6	17218.2	19819.9	20149.5
42.5°	240.0	275.2	331.2	380.8	468.8	742.4	5585.8	18088.6	20907.9	21253.6
45°	200.0	236.8	292.8	403.2	388.8	555.2	4870.6	18666.3	21767.2	22143.2
47.5°	161.6	203.2	280.0	384.0	310.4	408.0	4304.2	19213.5	22418.4	22789.6
50°	129.6	171.2	315.2	342.4	254.4	312.0	4067.3	19703.1	22845.6	23202.4
52.5°	105.6	144.0	297.6	262.4	212.8	257.6	4195.4	20496.7	23240.8	23464.8
55°	88.0	113.6	179.2	182.4	180.8	219.2	4353.8	21636.0	24263.3	24368.9
57.5°	76.8	91.2	124.8	140.8	152.0	195.2	4357.0	23271.2	25845.7	25911.3
60°	65.6	80.0	104.0	113.6	131.2	174.4	4198.6	23842.5	26468.1	26685.8
62.5°	57.6	70.4	86.4	94.4	110.4	156.8	3827.3	23015.2	25613.7	25983.3
65°	51.2	64.0	72.0	80.0	97.6	140.8	3216.1	21360.8	24196.1	24581.7
67.5°	44.8	56.0	64.0	72.0	88.0	124.8	2368.1	19439.1	22568.8	22888.8
70°	40.0	49.6	57.6	64.0	76.8	105.6	1436.9	16495.0	20319.1	20451.9
72.5°	38.4	44.8	52.8	57.6	67.2	92.8	728.0	12122.0	16243.8	16459.8
75°	33.6	40.0	48.0	51.2	59.2	80.0	296.0	7961.9	11771.6	12118.8
77.5°	27.2	36.8	43.2	46.4	51.2	65.6	150.4	5088.2	8261.1	8485.1
80°	9.6	27.2	36.8	38.4	43.2	48.0	99.2	2785.7	4792.2	4888.2
82.5°	0.0	17.6	28.8	27.2	30.4	36.8	64.0	1324.8	3163.3	3198.5
85°	0.0	8.0	22.4	17.6	12.8	25.6	22.4	289.6	1659.3	1728.1
87.5°	0.0	0.0	1.6	8.0	6.4	9.6	3.2	1.6	150.4	190.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)