

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: P324171

Luminaire Tested: **GAN-SA7C-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324171
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-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 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: 37090 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

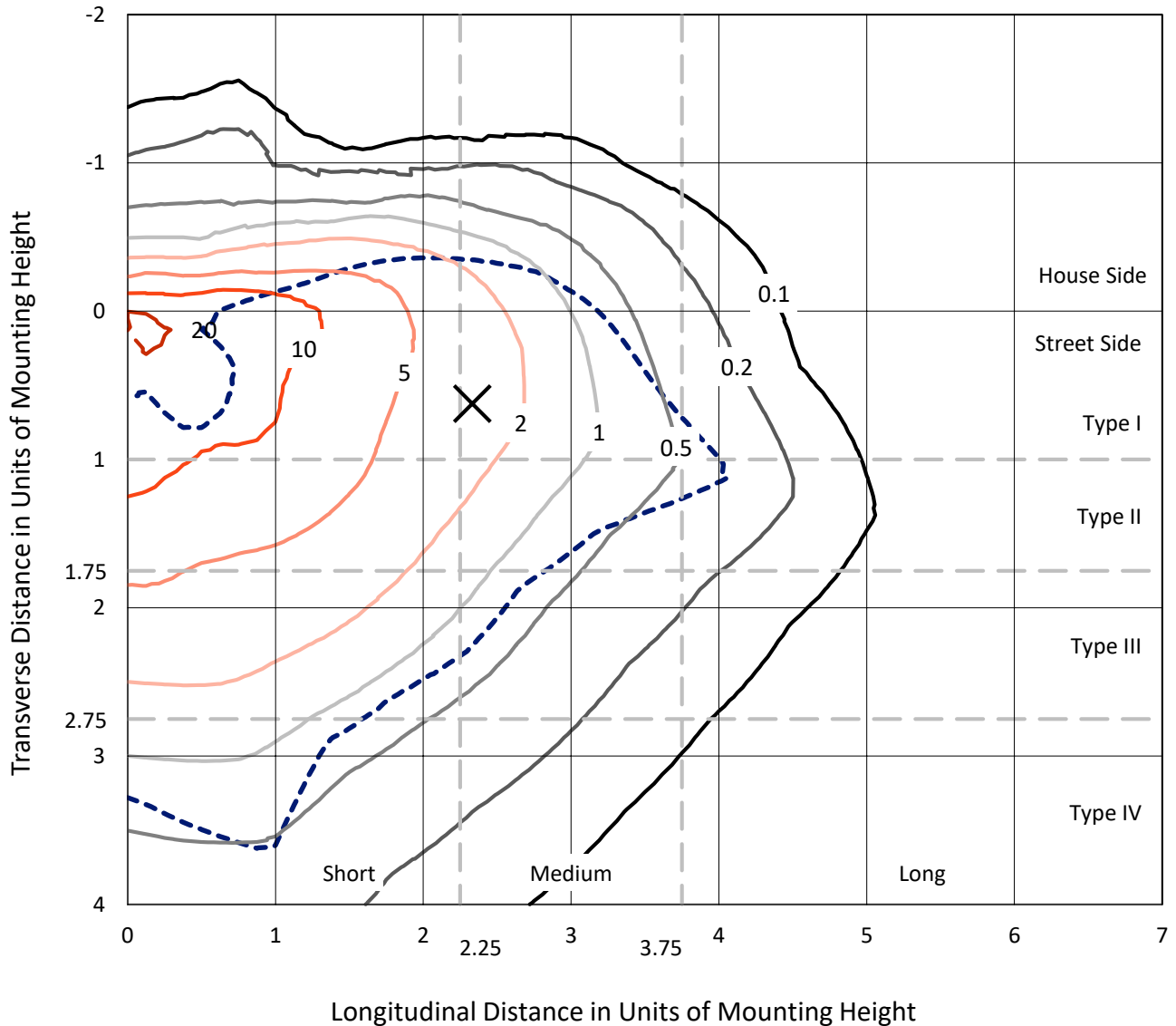
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324171
 CATALOG NUMBER: GAN-SA7C-740-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

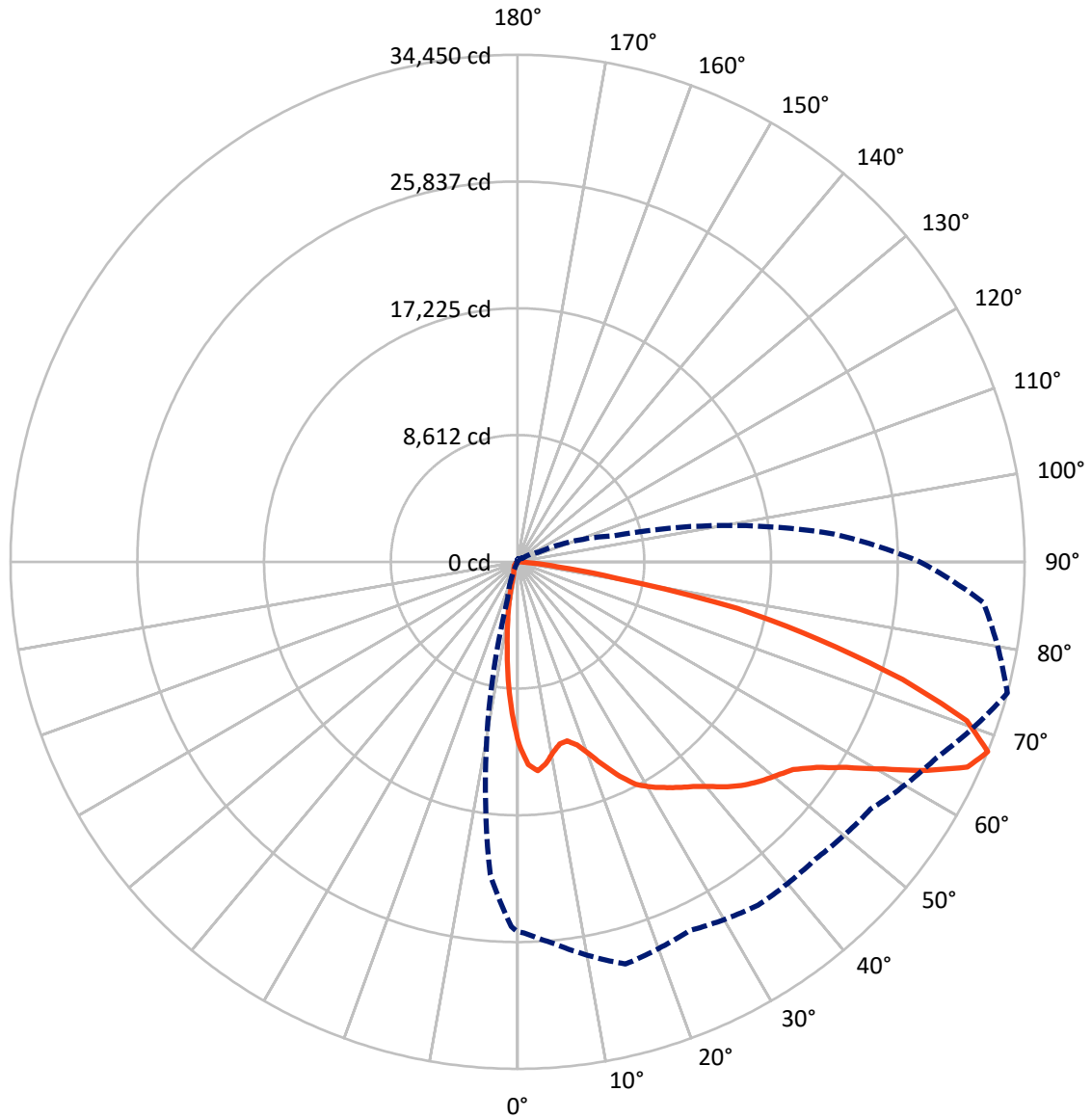
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P324171
CATALOG NUMBER: GAN-SA7C-740-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P324171
 CATALOG NUMBER: GAN-SA7C-740-U-SLL-HSS

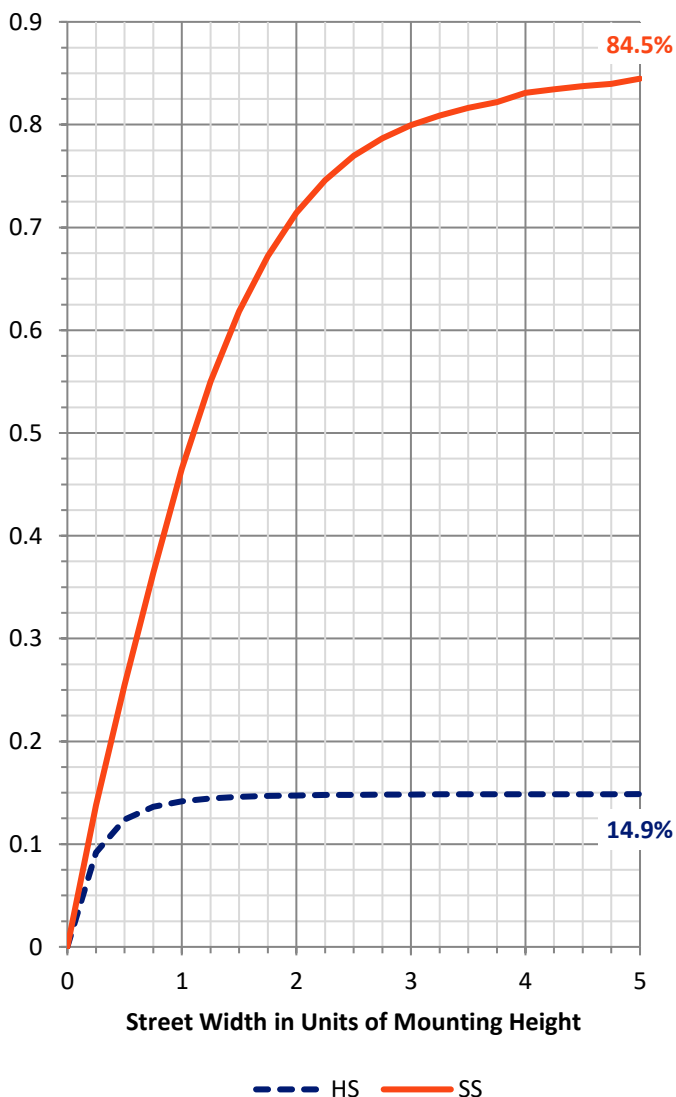
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5565.7	0.0	5565.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	31524.3	0.0	31524.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	37090.0	0.0	37090.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	943.9	2.5
10°-20°	1858.5	5.0
20°-30°	2629.2	7.1
30°-40°	3865.7	10.4
40°-50°	5556.3	15.0
50°-60°	7821.8	21.1
60°-70°	9135.1	24.6
70°-80°	4660.4	12.6
80°-90°	619.1	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°	37090.0	100.0
0°-180°	37090.0	100.0

Coefficient of Utilization

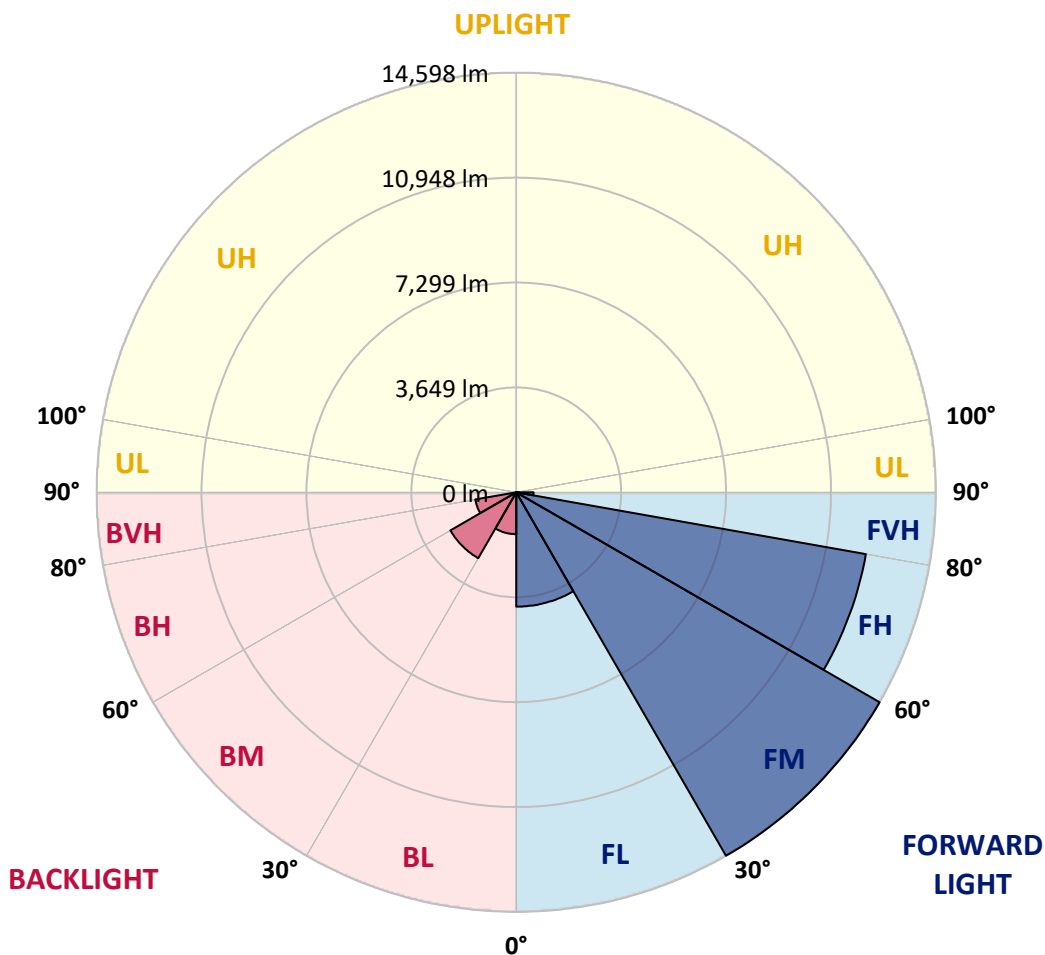


REPORT NUMBER: P324171
 CATALOG NUMBER: GAN-SA7C-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3976.1	10.7			
FM (30°-60°)	14598.0	39.4			
FH (60°-80°)	12349.9	33.3			G5
FVH (80°-90°)	600.3	1.6			G4/750
BL (0°-30°)	1455.5	3.9	B3/2500		
BM (30°-60°)	2645.8	7.1	B3/5000		
BH (60°-80°)	1445.7	3.9	B3/2500		G3/2500
BVH (80°-90°)	18.8	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: P324171

CATALOG NUMBER: GAN-SA7C-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1
2.5°	13488.5	13509.6	13618.5	13871.5	14147.3	14168.4	14354.7	14163.2	14098.2	13788.9	13469.1
5°	13590.4	13671.2	14045.4	14788.7	15433.5	15640.8	15788.4	15412.4	15017.1	14261.6	13455.1
7.5°	12769.9	12905.2	13493.7	14888.8	16041.4	16550.9	16647.6	16059.0	15090.9	13846.9	12634.6
10°	11719.2	11873.8	12583.6	14298.5	15881.5	16754.7	16888.3	16116.9	14725.4	13175.7	11747.3
12.5°	10868.8	11049.8	11775.4	13634.3	15331.6	16297.9	16561.5	15921.9	14409.1	12699.6	11141.1
15°	10477.0	10684.3	11446.8	13205.6	14721.9	15482.7	15700.5	15424.7	14233.4	12624.0	11000.6
17.5°	10701.9	10926.8	11713.9	13242.5	14149.1	14474.2	14649.9	14762.3	14233.4	13079.1	11411.7
20°	11624.3	11866.8	12699.6	13616.7	13674.7	13553.5	13741.5	14136.8	14398.6	13943.5	12399.1
22.5°	12899.9	13184.5	14124.5	14258.0	13442.8	12984.2	13008.8	13629.0	14699.0	15039.9	13769.6
25°	14454.8	14802.7	15758.5	15213.8	13539.4	12645.1	12636.3	13210.9	14992.5	16138.0	15296.4
27.5°	15999.2	16382.3	17222.1	16380.5	13938.3	12583.6	12566.1	13084.4	15278.9	17114.9	16963.8
30°	17294.1	17666.6	18390.5	17225.6	14368.7	12727.7	12643.4	13219.7	15449.3	17749.2	18179.7
32.5°	18348.3	18647.0	19232.1	17807.2	14829.1	13007.1	12824.3	13581.6	15739.2	18285.1	19297.1
35°	19508.0	19822.5	20056.1	18360.6	15345.6	13409.4	13147.6	14156.1	16185.5	18829.7	20521.7
37.5°	20831.0	21143.7	21115.6	18866.6	16001.0	14075.3	13908.4	15066.3	16879.5	19369.1	21888.7
40°	22125.9	22445.7	22217.2	19420.1	16770.5	15173.4	15050.4	16433.2	17808.9	20059.6	23491.1
42.5°	23338.2	23684.3	23195.9	19943.7	17687.7	16558.0	16768.8	18193.7	18972.1	20910.0	24872.1
45°	24315.1	24668.3	24016.4	20453.2	18654.0	18237.6	18871.9	20144.0	20370.6	21628.6	25805.0
47.5°	25024.9	25358.8	24585.7	20962.7	19891.0	20291.6	21396.7	22189.1	21633.9	22252.4	26467.4
50°	25478.2	25738.3	24752.6	21600.5	21514.4	22688.1	24026.9	24413.5	22823.4	22814.6	27272.1
52.5°	25766.4	25884.1	24875.6	22266.4	23208.2	25297.3	26602.7	26723.9	24048.0	23433.1	28356.2
55°	26759.1	26854.0	25747.1	23072.9	24608.5	27583.1	28932.5	28820.0	25434.3	24643.7	29635.3
57.5°	28452.8	28553.0	27548.0	24232.5	25741.8	28995.7	30621.0	30823.0	27059.5	26344.4	31005.7
60°	29303.2	29489.5	29131.0	25701.4	26839.9	29898.8	31771.8	32416.6	29090.6	28586.4	32334.0
62.5°	28531.9	28802.5	29322.5	27330.1	27931.0	30396.1	32130.2	32987.6	31170.9	31199.0	33152.8
65°	26992.8	27208.9	28090.9	28222.7	28563.5	30334.6	31244.7	32190.0	32444.7	33599.1	33108.9
67.5°	25133.9	25214.7	25963.2	28292.9	27646.4	28486.2	28584.6	29283.9	31438.0	34449.5	31778.8
70°	22457.9	22501.9	23155.5	25940.3	23758.1	23942.6	23796.8	23939.1	27027.9	32378.0	28421.2
72.5°	18074.2	18184.9	19114.4	21542.6	17308.2	16775.8	17921.4	17858.1	20815.2	27354.7	21108.6
75°	13307.5	13499.0	14902.9	17352.1	12147.9	10988.3	11824.6	12047.7	14797.4	21159.5	13200.3
77.5°	9317.4	9459.7	10819.6	12755.8	8792.0	7857.3	7555.1	7820.4	9767.2	15307.0	6650.2
80°	5367.6	5420.3	6288.3	7365.3	5924.6	6778.5	6140.7	6323.4	5852.6	6810.1	2860.4
82.5°	3512.2	3521.0	3860.1	4383.7	3689.7	4287.1	3173.1	4056.9	3600.1	2735.6	931.2
85°	1897.6	1908.1	2238.4	3111.6	2089.1	1180.7	694.0	1424.9	2226.1	627.2	254.8
87.5°	209.1	191.5	674.7	1131.5	579.8	107.2	36.9	159.9	356.7	40.4	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: P324171
 CATALOG NUMBER: GAN-SA7C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1
2.5°	13305.7	13159.9	12796.2	12411.4	12102.2	11812.3	11520.6	11164.0	10888.1	10831.9	10740.5
5°	13021.1	12559.0	11796.5	11030.4	10413.7	9635.4	9141.7	8756.9	8380.9	8358.0	8282.5
7.5°	12026.7	11418.7	10345.2	9285.7	8417.8	7676.3	6927.8	6427.1	6033.5	5894.7	5812.1
10°	11070.8	10387.4	9046.8	7838.0	7063.1	6407.8	5880.7	5357.1	4882.7	4555.9	4408.3
12.5°	10403.2	9647.7	8170.0	7128.1	6572.9	5951.0	5307.9	4654.3	4107.9	3714.3	3473.6
15°	10144.9	9338.4	7876.6	6847.0	6161.8	5374.7	4552.4	3805.7	3199.5	2842.8	2626.7
17.5°	10452.4	9514.1	7853.8	6504.4	5546.8	4568.2	3659.8	2777.8	2206.8	1936.2	1797.4
20°	11232.5	10072.9	7845.0	6084.5	4815.9	3612.4	2479.1	1827.3	1481.1	1330.0	1265.0
22.5°	12335.9	10786.2	7915.3	5669.8	4055.2	2581.0	1711.3	1342.3	1164.9	1084.1	1047.2
25°	13755.5	11787.7	8113.8	5293.8	3340.1	1925.7	1333.6	1124.5	999.7	936.5	910.1
27.5°	15268.3	12940.3	8423.0	4967.0	2758.5	1535.6	1142.0	962.8	873.2	829.3	804.7
30°	16515.8	14275.6	8735.8	4603.3	2336.8	1338.8	1045.4	878.5	774.8	746.7	723.9
32.5°	17606.9	15285.9	8957.2	4274.8	2061.0	1189.5	945.3	785.4	715.1	660.6	636.0
35°	18736.6	16127.5	8950.1	4044.6	1871.2	1077.0	860.9	702.8	618.5	555.2	535.9
37.5°	19959.5	17078.0	8797.3	3847.8	1788.6	987.4	813.5	658.9	574.5	511.3	486.7
40°	21391.5	18076.0	8640.9	3663.3	1765.8	915.4	780.1	623.7	534.1	472.6	448.0
42.5°	22786.5	18975.6	8503.9	3526.3	1667.4	913.6	750.2	597.4	502.5	442.8	414.7
45°	23902.2	19813.7	8477.5	3443.7	1563.7	945.3	734.4	579.8	477.9	418.2	391.8
47.5°	24829.9	20723.8	8646.2	3385.7	1465.3	862.7	773.1	567.5	455.1	397.1	367.2
50°	25933.3	21841.2	9043.3	3290.9	1361.7	776.6	885.5	571.0	435.7	376.0	344.4
52.5°	27472.4	23387.4	9626.6	3131.0	1219.4	697.5	871.5	574.5	414.7	353.2	321.5
55°	29197.8	25318.3	10253.8	2865.7	1020.8	593.9	746.7	549.9	374.2	328.6	298.7
57.5°	31011.0	27070.1	10626.3	2549.4	811.7	513.0	597.4	500.7	330.3	295.2	275.8
60°	31295.7	27736.0	10455.9	2161.1	644.8	446.3	442.8	509.5	295.2	260.0	246.0
62.5°	30587.6	26899.6	9631.9	1815.0	539.4	391.8	363.7	444.5	267.1	231.9	217.9
65°	29225.9	24638.4	8296.5	1635.8	500.7	335.6	302.2	312.7	233.7	202.1	189.8
67.5°	27331.9	21619.9	6811.9	1533.9	495.5	288.1	258.3	237.2	202.1	175.7	165.2
70°	23459.4	18011.0	5434.4	1477.6	481.4	242.5	217.9	193.3	168.7	149.3	140.6
72.5°	17266.0	12762.8	4227.3	1416.1	484.9	193.3	189.8	159.9	135.3	116.0	112.4
75°	9976.2	7291.5	2772.5	1147.3	462.1	149.3	158.1	112.4	94.9	80.8	80.8
77.5°	5316.7	4447.0	1056.0	477.9	168.7	94.9	89.6	66.8	59.7	49.2	47.4
80°	2317.5	1957.3	318.0	133.5	93.1	51.0	33.4	29.9	26.4	21.1	19.3
82.5°	820.5	708.1	103.7	65.0	40.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	186.2	133.5	0.0	15.8	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: P324171
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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1
2.5°	10554.3	10515.6	10287.2	10296.0	10336.4	10394.4	10257.4	10320.6	10491.0	10654.4	10715.9
5°	8161.3	8170.0	8031.2	8117.3	8194.6	8247.3	8026.0	8029.5	8164.8	8349.3	8445.9
7.5°	5750.7	5736.6	5743.6	5949.2	6095.0	5989.6	6072.2	5785.8	5803.4	5935.1	5836.7
10°	4274.8	4081.5	3972.6	4127.2	4287.1	4229.1	4086.8	3993.7	4058.7	4204.5	4194.0
12.5°	3359.4	3081.8	2918.4	2807.7	2939.5	2830.5	2827.0	2746.2	2658.3	2674.2	2907.8
15°	2526.6	2324.5	2131.2	1953.8	1950.3	1913.4	1725.4	1514.5	1497.0	1507.5	1628.7
17.5°	1737.7	1669.1	1590.1	1437.2	1396.8	1242.2	1059.5	975.1	933.0	952.3	992.7
20°	1221.1	1194.8	1203.5	1121.0	1063.0	915.4	808.2	774.8	767.8	787.1	806.5
22.5°	1012.0	964.6	959.3	922.4	864.4	757.3	699.3	680.0	671.2	688.7	702.8
25°	885.5	838.1	818.8	795.9	734.4	660.6	625.5	607.9	599.1	609.7	618.5
27.5°	780.1	736.2	718.6	702.8	643.1	590.4	562.2	546.4	539.4	542.9	551.7
30°	701.0	662.4	639.5	620.2	569.3	532.4	507.8	492.0	484.9	484.9	493.7
32.5°	618.5	597.4	576.3	551.7	504.3	479.7	455.1	437.5	430.5	432.2	439.2
35°	514.8	507.8	513.0	490.2	449.8	428.7	404.1	384.8	379.5	381.3	388.3
37.5°	456.8	425.2	444.5	432.2	409.4	381.3	349.6	332.1	323.3	328.6	332.1
40°	419.9	381.3	367.2	379.5	376.0	330.3	302.2	284.6	277.6	279.4	282.9
42.5°	388.3	342.6	311.0	309.2	330.3	288.1	258.3	242.5	233.7	233.7	237.2
45°	358.4	309.2	270.6	240.7	277.6	244.2	216.1	202.1	191.5	191.5	193.3
47.5°	335.6	281.1	235.4	196.8	209.1	200.3	177.5	163.4	152.9	152.9	154.6
50°	314.5	253.0	203.8	165.2	156.4	165.2	144.1	128.3	121.2	119.5	123.0
52.5°	291.7	224.9	173.9	140.6	123.0	124.7	112.4	101.9	93.1	93.1	96.6
55°	268.8	202.1	151.1	119.5	101.9	93.1	89.6	82.6	75.6	75.6	79.1
57.5°	246.0	177.5	128.3	98.4	80.8	73.8	73.8	68.5	63.3	63.3	66.8
60°	224.9	152.9	105.4	80.8	63.3	61.5	63.3	58.0	54.5	54.5	58.0
62.5°	200.3	130.0	86.1	66.8	51.0	49.2	54.5	51.0	47.4	47.4	51.0
65°	170.4	110.7	68.5	51.0	38.7	38.7	45.7	42.2	38.7	38.7	42.2
67.5°	144.1	93.1	52.7	36.9	28.1	29.9	38.7	35.1	33.4	33.4	36.9
70°	119.5	72.0	36.9	22.8	15.8	22.8	29.9	29.9	29.9	29.9	33.4
72.5°	89.6	49.2	21.1	8.8	7.0	15.8	24.6	28.1	26.4	26.4	31.6
75°	58.0	28.1	7.0	0.0	0.0	8.8	19.3	22.8	22.8	21.1	26.4
77.5°	33.4	8.8	0.0	0.0	0.0	0.0	12.3	10.5	8.8	7.0	12.3
80°	8.8	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: P324171
 CATALOG NUMBER: GAN-SA7C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1	12443.1
2.5°	10963.7	11171.0	11462.7	11771.9	12248.0	12625.8	12996.5	13314.5	13437.5	13488.5
5°	8677.8	8981.8	9408.7	9956.9	10816.1	11589.2	12372.8	13161.7	13504.3	13590.4
7.5°	6226.8	6615.1	7158.0	7845.0	8851.8	9853.2	10947.9	12105.7	12636.3	12769.9
10°	4608.6	5083.0	5705.0	6428.9	7389.9	8419.5	9612.5	10935.6	11541.7	11719.2
12.5°	3269.8	3911.1	4743.9	5624.2	6457.0	7375.9	8582.9	10041.2	10677.3	10868.8
15°	1920.4	2540.6	3526.3	4705.2	5771.7	6702.9	7929.3	9582.7	10283.7	10477.0
17.5°	1101.6	1410.9	2155.8	3470.1	4917.8	6207.5	7723.8	9696.9	10522.7	10701.9
20°	841.6	940.0	1242.2	2234.9	3919.9	5720.8	7723.8	10343.4	11360.7	11624.3
22.5°	736.2	808.2	931.2	1333.6	2885.0	5199.0	7813.4	11278.2	12608.2	12899.9
25°	653.6	718.6	824.0	1003.2	1967.8	4578.7	8026.0	12425.5	14077.1	14454.8
27.5°	585.1	646.6	741.5	878.5	1345.9	3830.3	8312.4	13771.4	15697.0	15999.2
30°	523.6	581.6	667.7	764.3	1038.4	2981.6	8556.6	15039.9	16969.1	17294.1
32.5°	465.6	518.3	595.6	667.7	850.4	2205.0	8582.9	16044.9	18025.0	18348.3
35°	411.1	458.6	528.9	585.1	704.6	1741.2	8173.6	16916.4	19081.0	19508.0
37.5°	358.4	404.1	465.6	507.8	620.2	1419.7	7548.1	17888.0	20435.6	20831.0
40°	309.2	349.6	412.9	441.0	586.8	1091.1	6868.1	18907.1	21763.9	22125.9
42.5°	263.5	302.2	363.7	418.2	514.8	815.2	6133.7	19862.9	22958.7	23338.2
45°	219.6	260.0	321.5	442.8	427.0	609.7	5348.3	20497.1	23902.2	24315.1
47.5°	177.5	223.1	307.5	421.7	340.9	448.0	4726.3	21098.0	24617.3	25024.9
50°	142.3	188.0	346.1	376.0	279.4	342.6	4466.3	21635.7	25086.4	25478.2
52.5°	116.0	158.1	326.8	288.1	233.7	282.9	4606.8	22507.1	25520.4	25766.4
55°	96.6	124.7	196.8	200.3	198.5	240.7	4780.8	23758.1	26643.1	26759.1
57.5°	84.3	100.1	137.0	154.6	166.9	214.4	4784.3	25553.8	28380.8	28452.8
60°	72.0	87.8	114.2	124.7	144.1	191.5	4610.4	26181.0	29064.3	29303.2
62.5°	63.3	77.3	94.9	103.7	121.2	172.2	4202.7	25272.7	28126.0	28531.9
65°	56.2	70.3	79.1	87.8	107.2	154.6	3531.6	23455.9	26569.3	26992.8
67.5°	49.2	61.5	70.3	79.1	96.6	137.0	2600.4	21345.8	24782.5	25133.9
70°	43.9	54.5	63.3	70.3	84.3	116.0	1577.8	18112.9	22312.1	22457.9
72.5°	42.2	49.2	58.0	63.3	73.8	101.9	799.4	13311.0	17837.0	18074.2
75°	36.9	43.9	52.7	56.2	65.0	87.8	325.0	8742.8	12926.2	13307.5
77.5°	29.9	40.4	47.4	51.0	56.2	72.0	165.2	5587.3	9071.4	9317.4
80°	10.5	29.9	40.4	42.2	47.4	52.7	108.9	3058.9	5262.2	5367.6
82.5°	0.0	19.3	31.6	29.9	33.4	40.4	70.3	1454.8	3473.6	3512.2
85°	0.0	8.8	24.6	19.3	14.1	28.1	24.6	318.0	1822.0	1897.6
87.5°	0.0	0.0	1.8	8.8	7.0	10.5	3.5	1.8	165.2	209.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)