

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: P324170

Luminaire Tested: **GAN-SA6C-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324170
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-SA6C-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 31362 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

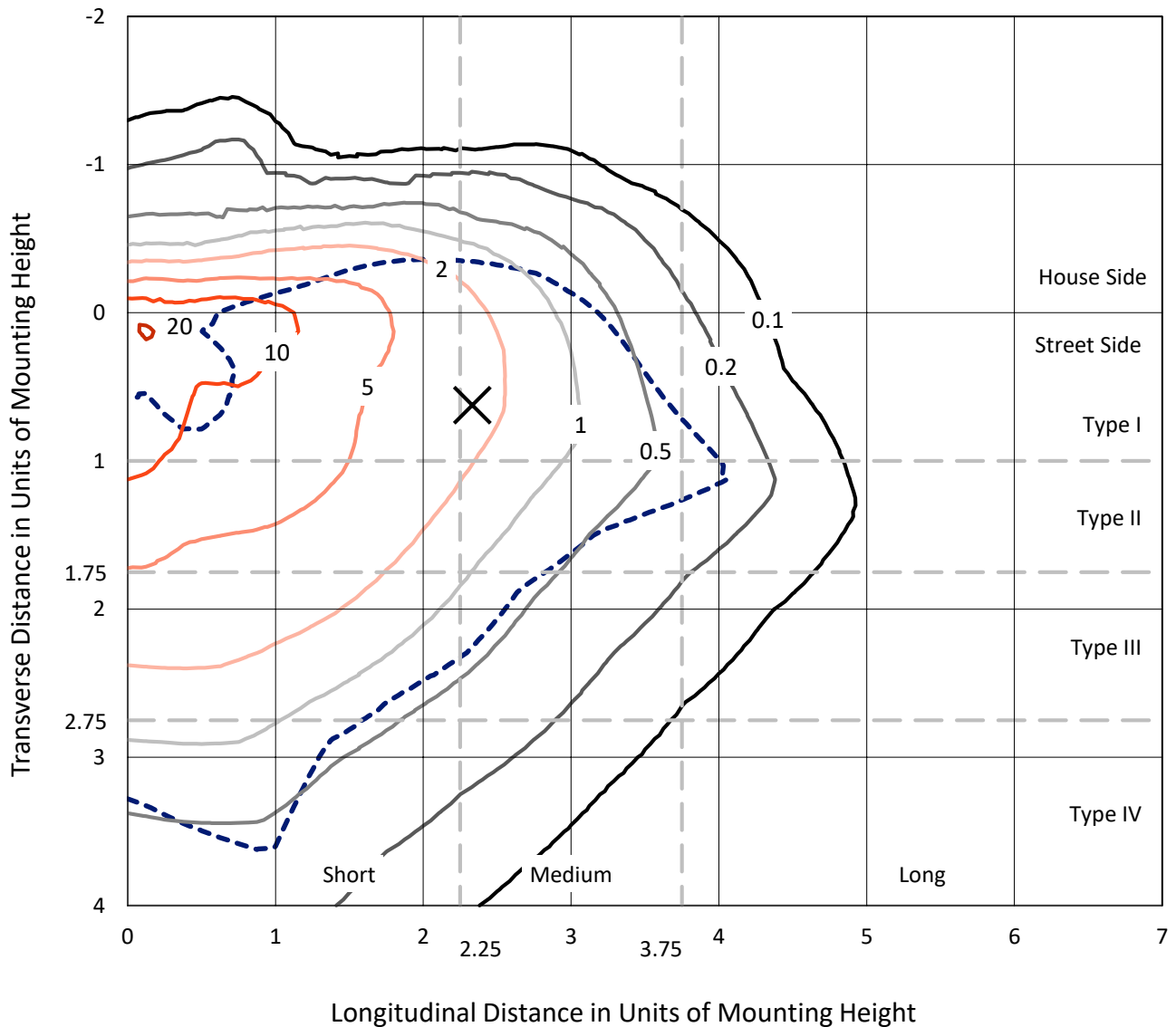
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

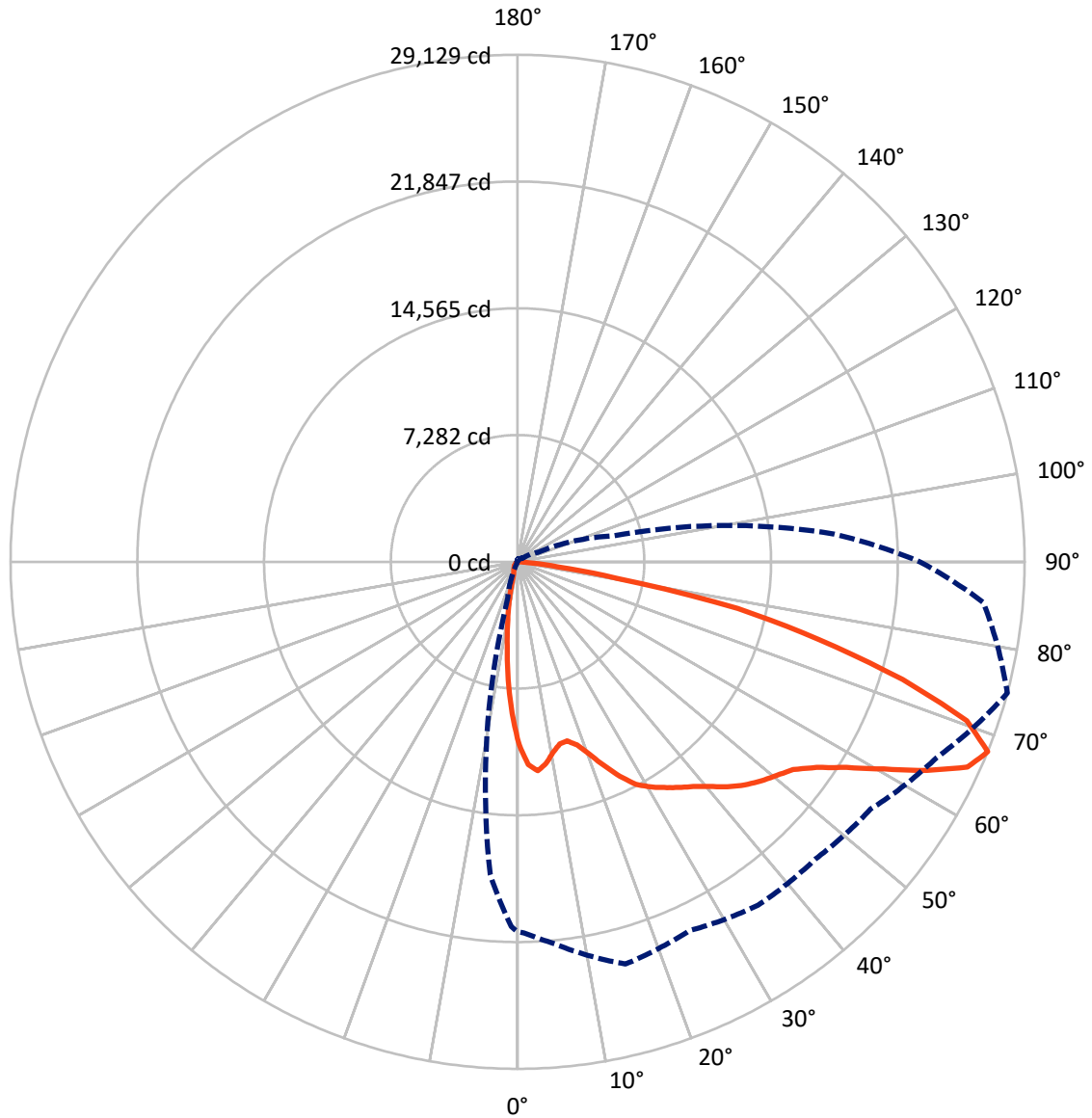
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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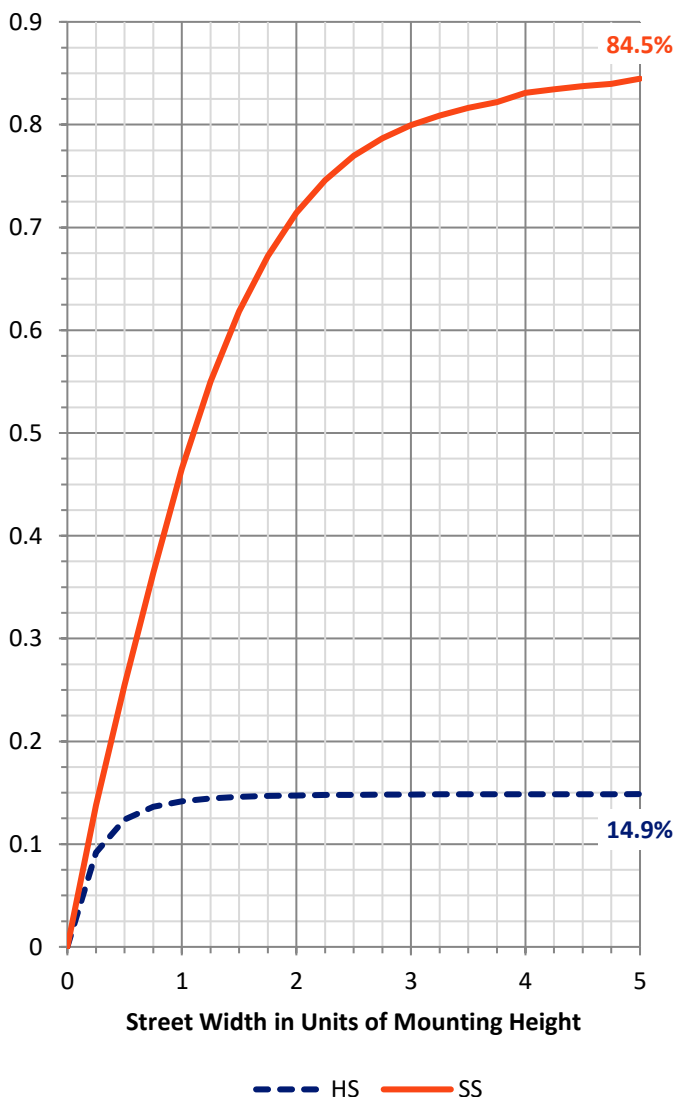
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4706.2	0.0	4706.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	26655.8	0.0	26655.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	31362.0	0.0	31362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.1	2.5
10°-20°	1571.5	5.0
20°-30°	2223.2	7.1
30°-40°	3268.7	10.4
40°-50°	4698.2	15.0
50°-60°	6613.8	21.1
60°-70°	7724.4	24.6
70°-80°	3940.7	12.6
80°-90°	523.5	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°	31362.0	100.0
0°-180°	31362.0	100.0

Coefficient of Utilization

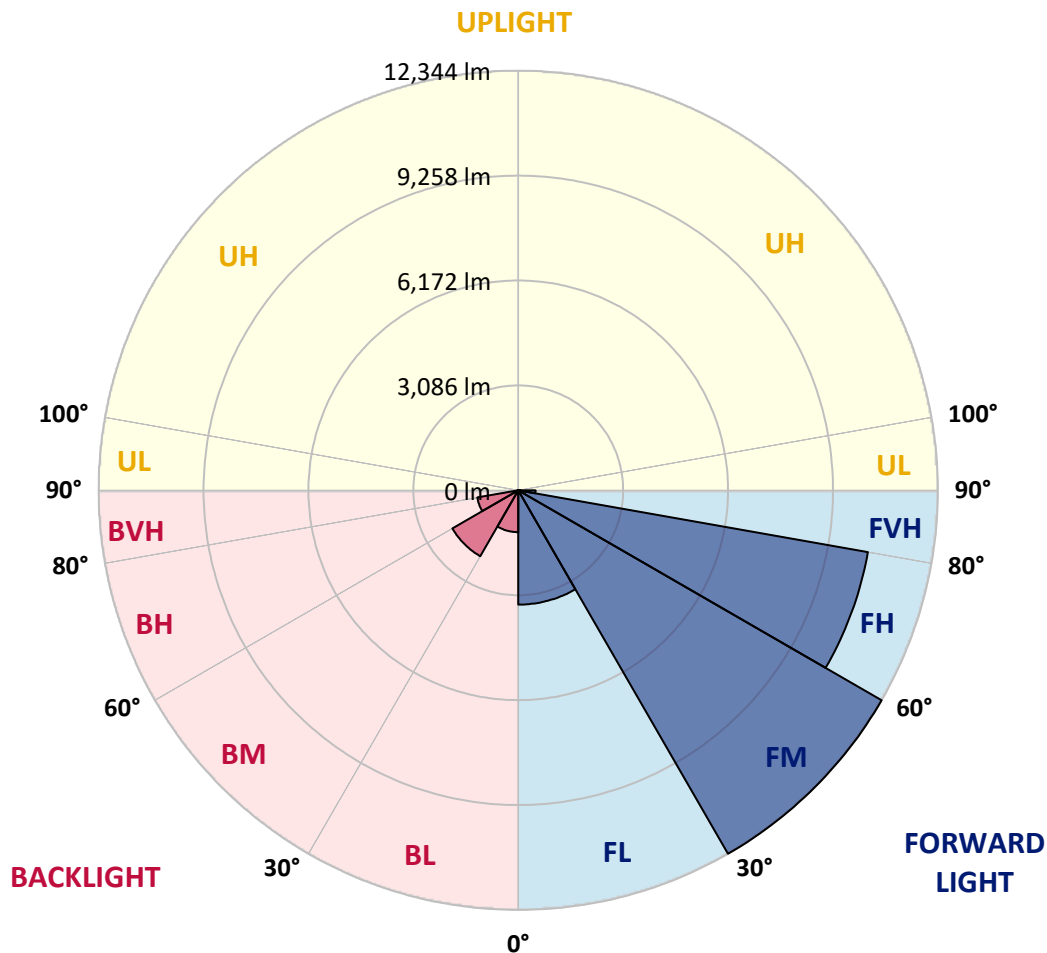


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3362.0	10.7			
FM (30°-60°)	12343.5	39.4			
FH (60°-80°)	10442.6	33.3			G4/12000
FVH (80°-90°)	507.6	1.6			G4/750
BL (0°-30°)	1230.7	3.9	B3/2500		
BM (30°-60°)	2237.2	7.1	B2/2500		
BH (60°-80°)	1222.4	3.9	B3/2500		G3/2500
BVH (80°-90°)	15.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4
2.5°	11405.4	11423.2	11515.3	11729.3	11962.5	11980.3	12137.8	11975.9	11920.9	11659.4	11389.0
5°	11491.5	11559.9	11876.3	12504.8	13050.0	13225.3	13350.1	13032.2	12697.9	12059.1	11377.2
7.5°	10797.7	10912.1	11409.8	12589.4	13564.0	13994.9	14076.6	13578.9	12760.3	11708.5	10683.4
10°	9909.3	10040.1	10640.3	12090.3	13428.8	14167.2	14280.1	13627.9	12451.3	11140.9	9933.1
12.5°	9190.3	9343.3	9956.9	11528.7	12963.8	13780.9	14003.8	13463.0	12183.9	10738.3	9420.5
15°	8859.0	9034.3	9679.0	11166.2	12448.3	13091.6	13275.8	13042.6	12035.3	10674.4	9301.7
17.5°	9049.1	9239.3	9904.9	11197.4	11964.0	12238.8	12387.4	12482.5	12035.3	11059.2	9649.3
20°	9829.1	10034.1	10738.3	11513.8	11562.9	11460.3	11619.3	11953.6	12174.9	11790.2	10484.3
22.5°	10907.7	11148.4	11943.2	12056.1	11366.8	10979.0	10999.8	11524.2	12429.0	12717.2	11643.1
25°	12222.5	12516.7	13324.8	12864.3	11448.5	10692.3	10684.8	11170.6	12677.1	13645.7	12934.1
27.5°	13528.4	13852.3	14562.4	13850.8	11785.7	10640.3	10625.4	11063.7	12919.3	14471.8	14344.0
30°	14623.3	14938.3	15550.4	14565.4	12149.7	10762.1	10690.8	11178.1	13063.4	15008.1	15372.1
32.5°	15514.7	15767.3	16262.0	15057.1	12538.9	10998.3	10843.8	11484.1	13308.5	15461.2	16317.0
35°	16495.2	16761.2	16958.8	15525.1	12975.7	11338.5	11117.2	11969.9	13685.9	15921.8	17352.5
37.5°	17613.9	17878.4	17854.6	15953.0	13529.9	11901.6	11760.5	12739.5	14272.7	16377.9	18508.3
40°	18708.9	18979.3	18786.1	16421.0	14180.6	12830.1	12726.1	13895.3	15058.6	16961.7	19863.2
42.5°	19734.0	20026.6	19613.6	16863.7	14956.1	14000.8	14179.1	15384.0	16042.1	17680.8	21030.9
45°	20560.0	20858.6	20307.4	17294.5	15773.2	15421.1	15957.4	17033.0	17224.7	18288.4	21819.8
47.5°	21160.2	21442.5	20788.8	17725.4	16819.1	17157.8	18092.3	18762.3	18292.9	18815.8	22379.9
50°	21543.5	21763.4	20929.9	18264.7	18191.9	19184.3	20316.3	20643.2	19298.7	19291.2	23060.3
52.5°	21787.1	21886.7	21033.9	18827.7	19624.0	21390.5	22494.3	22596.8	20334.2	19814.2	23977.0
55°	22626.5	22706.8	21770.8	19509.6	20808.1	23323.3	24464.3	24369.2	21506.4	20837.8	25058.6
57.5°	24058.7	24143.4	23293.6	20490.2	21766.3	24517.8	25892.0	26062.9	22880.6	22275.9	26217.4
60°	24777.8	24935.2	24632.2	21732.2	22694.9	25281.4	26865.1	27410.4	24598.0	24171.6	27340.5
62.5°	24125.6	24354.4	24794.1	23109.4	23617.5	25701.8	27168.2	27893.2	26357.0	26380.8	28032.8
65°	22824.1	23006.9	23752.7	23864.1	24152.3	25649.8	26419.4	27218.7	27434.1	28410.2	27995.7
67.5°	21252.3	21320.6	21953.5	23923.5	23376.8	24086.9	24170.1	24761.4	26582.8	29129.3	26871.1
70°	18989.7	19026.8	19579.5	21934.2	20089.0	20245.0	20121.7	20242.1	22853.8	27377.7	24032.0
72.5°	15282.9	15376.5	16162.4	18215.6	14635.2	14185.0	15153.7	15100.2	17600.6	23130.2	17848.7
75°	11252.4	11414.3	12601.3	14672.3	10271.8	9291.3	9998.5	10187.1	12512.2	17891.8	11161.7
77.5°	7878.4	7998.8	9148.7	10785.9	7434.2	6643.9	6388.3	6612.7	8258.8	12943.0	5623.2
80°	4538.7	4583.2	5317.2	6227.9	5009.6	5731.7	5192.4	5346.9	4948.7	5758.4	2418.6
82.5°	2969.8	2977.3	3264.0	3706.7	3119.9	3625.0	2683.1	3430.4	3044.1	2313.2	787.4
85°	1604.5	1613.4	1892.7	2631.1	1766.4	998.4	586.8	1204.9	1882.3	530.4	215.4
87.5°	176.8	161.9	570.5	956.8	490.3	90.6	31.2	135.2	301.6	34.2	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4
2.5°	11250.9	11127.6	10820.0	10494.7	10233.2	9988.1	9741.4	9439.9	9206.6	9159.1	9081.8
5°	11010.2	10619.5	9974.7	9326.9	8805.5	8147.3	7729.9	7404.5	7086.6	7067.3	7003.4
7.5°	10169.3	9655.3	8747.5	7851.7	7117.8	6490.8	5857.9	5434.5	5101.7	4984.4	4914.5
10°	9361.1	8783.2	7649.6	6627.5	5972.3	5418.2	4972.5	4529.8	4128.6	3852.3	3727.5
12.5°	8796.6	8157.7	6908.3	6027.3	5557.8	5031.9	4488.2	3935.5	3473.5	3140.7	2937.1
15°	8578.2	7896.3	6660.2	5789.6	5210.2	4544.6	3849.3	3217.9	2705.4	2403.8	2221.1
17.5°	8838.2	8044.8	6640.9	5499.9	4690.2	3862.7	3094.6	2348.8	1866.0	1637.2	1519.8
20°	9497.8	8517.3	6633.5	5144.8	4072.2	3054.5	2096.3	1545.1	1252.4	1124.6	1069.7
22.5°	10430.8	9120.4	6692.9	4794.2	3428.9	2182.4	1447.0	1135.0	985.0	916.6	885.5
25°	11631.2	9967.3	6860.8	4476.3	2824.2	1628.3	1127.6	950.8	845.3	791.9	769.6
27.5°	12910.3	10941.9	7122.2	4199.9	2332.5	1298.5	965.7	814.1	738.4	701.2	680.4
30°	13965.2	12071.0	7386.7	3892.4	1975.9	1132.1	884.0	742.8	655.2	631.4	612.1
32.5°	14887.8	12925.2	7573.9	3614.6	1742.7	1005.8	799.3	664.1	604.7	558.6	537.8
35°	15843.0	13636.8	7567.9	3420.0	1582.2	910.7	728.0	594.3	523.0	469.5	453.1
37.5°	16877.1	14440.6	7438.7	3253.6	1512.4	834.9	687.9	557.1	485.8	432.3	411.5
40°	18087.9	15284.4	7306.5	3097.6	1493.1	774.0	659.6	527.4	451.6	399.6	378.8
42.5°	19267.5	16045.1	7190.6	2981.7	1409.9	772.5	634.4	505.1	424.9	374.4	350.6
45°	20210.9	16753.7	7168.3	2911.9	1322.2	799.3	621.0	490.3	404.1	353.6	331.3
47.5°	20995.3	17523.3	7310.9	2862.9	1239.0	729.5	653.7	479.9	384.8	335.8	310.5
50°	21928.3	18468.2	7646.7	2782.6	1151.4	656.7	748.8	482.8	368.4	317.9	291.2
52.5°	23229.7	19775.6	8139.9	2647.4	1031.0	589.8	736.9	485.8	350.6	298.6	271.9
55°	24688.6	21408.3	8670.3	2423.1	863.2	502.2	631.4	465.0	316.4	277.8	252.6
57.5°	26221.8	22889.5	8985.2	2155.7	686.4	433.8	505.1	423.4	279.3	249.6	233.2
60°	26462.5	23452.6	8841.1	1827.4	545.2	377.4	374.4	430.8	249.6	219.9	208.0
62.5°	25863.8	22745.4	8144.4	1534.7	456.1	331.3	307.5	375.9	225.8	196.1	184.2
65°	24712.4	20833.4	7015.3	1383.1	423.4	283.8	255.5	264.4	197.6	170.9	160.5
67.5°	23110.9	18281.0	5759.9	1297.0	419.0	243.6	218.4	200.6	170.9	148.6	139.7
70°	19836.5	15229.5	4595.1	1249.4	407.1	205.0	184.2	163.4	142.6	126.3	118.9
72.5°	14599.5	10791.8	3574.5	1197.4	410.0	163.4	160.5	135.2	114.4	98.1	95.1
75°	8435.6	6165.5	2344.4	970.1	390.7	126.3	133.7	95.1	80.2	68.3	68.3
77.5°	4495.6	3760.2	892.9	404.1	142.6	80.2	75.8	56.5	50.5	41.6	40.1
80°	1959.6	1655.0	268.9	112.9	78.7	43.1	28.2	25.3	22.3	17.8	16.3
82.5°	693.8	598.7	87.7	55.0	34.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	157.5	112.9	0.0	13.4	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4
2.5°	8924.3	8891.7	8698.5	8705.9	8740.1	8789.1	8673.3	8726.7	8870.9	9009.0	9061.0
5°	6900.9	6908.3	6790.9	6863.7	6929.1	6973.7	6786.5	6789.4	6903.8	7059.8	7141.5
7.5°	4862.6	4850.7	4856.6	5030.4	5153.7	5064.6	5134.4	4892.3	4907.1	5018.5	4935.3
10°	3614.6	3451.2	3359.1	3489.8	3625.0	3576.0	3455.6	3376.9	3431.9	3555.2	3546.3
12.5°	2840.6	2605.8	2467.7	2374.1	2485.5	2393.4	2390.4	2322.1	2247.8	2261.2	2458.8
15°	2136.4	1965.5	1802.1	1652.0	1649.1	1617.9	1458.9	1280.6	1265.8	1274.7	1377.2
17.5°	1469.3	1411.4	1344.5	1215.3	1181.1	1050.4	895.9	824.5	788.9	805.2	839.4
20°	1032.5	1010.2	1017.7	947.8	898.8	774.0	683.4	655.2	649.2	665.6	681.9
22.5°	855.7	815.6	811.2	780.0	730.9	640.3	591.3	574.9	567.5	582.4	594.3
25°	748.8	708.7	692.3	673.0	621.0	558.6	528.9	514.0	506.6	515.5	523.0
27.5°	659.6	622.5	607.6	594.3	543.8	499.2	475.4	462.0	456.1	459.1	466.5
30°	592.8	560.1	540.8	524.4	481.4	450.2	429.4	416.0	410.0	410.0	417.5
32.5°	523.0	505.1	487.3	466.5	426.4	405.6	384.8	369.9	364.0	365.5	371.4
35°	435.3	429.4	433.8	414.5	380.3	362.5	341.7	325.4	320.9	322.4	328.3
37.5°	386.3	359.5	375.9	365.5	346.2	322.4	295.6	280.8	273.4	277.8	280.8
40°	355.1	322.4	310.5	320.9	317.9	279.3	255.5	240.7	234.7	236.2	239.2
42.5°	328.3	289.7	263.0	261.5	279.3	243.6	218.4	205.0	197.6	197.6	200.6
45°	303.1	261.5	228.8	203.5	234.7	206.5	182.7	170.9	161.9	161.9	163.4
47.5°	283.8	237.7	199.1	166.4	176.8	169.4	150.1	138.2	129.3	129.3	130.7
50°	265.9	213.9	172.3	139.7	132.2	139.7	121.8	108.5	102.5	101.0	104.0
52.5°	246.6	190.2	147.1	118.9	104.0	105.5	95.1	86.2	78.7	78.7	81.7
55°	227.3	170.9	127.8	101.0	86.2	78.7	75.8	69.8	63.9	63.9	66.9
57.5°	208.0	150.1	108.5	83.2	68.3	62.4	62.4	57.9	53.5	53.5	56.5
60°	190.2	129.3	89.1	68.3	53.5	52.0	53.5	49.0	46.1	46.1	49.0
62.5°	169.4	109.9	72.8	56.5	43.1	41.6	46.1	43.1	40.1	40.1	43.1
65°	144.1	93.6	57.9	43.1	32.7	32.7	38.6	35.7	32.7	32.7	35.7
67.5°	121.8	78.7	44.6	31.2	23.8	25.3	32.7	29.7	28.2	28.2	31.2
70°	101.0	60.9	31.2	19.3	13.4	19.3	25.3	25.3	25.3	25.3	28.2
72.5°	75.8	41.6	17.8	7.4	5.9	13.4	20.8	23.8	22.3	22.3	26.7
75°	49.0	23.8	5.9	0.0	0.0	7.4	16.3	19.3	19.3	17.8	22.3
77.5°	28.2	7.4	0.0	0.0	0.0	0.0	10.4	8.9	7.4	5.9	10.4
80°	7.4	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: P324170
 CATALOG NUMBER: GAN-SA6C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4	10521.4
2.5°	9270.5	9445.8	9692.4	9953.9	10356.5	10675.9	10989.4	11258.3	11362.3	11405.4
5°	7337.7	7594.7	7955.7	8419.2	9145.7	9799.4	10462.0	11129.0	11418.8	11491.5
7.5°	5265.2	5593.5	6052.6	6633.5	7484.7	8331.6	9257.1	10236.2	10684.8	10797.7
10°	3896.9	4298.0	4823.9	5436.0	6248.7	7119.3	8128.0	9246.7	9759.3	9909.3
12.5°	2764.8	3307.1	4011.3	4755.6	5459.8	6236.8	7257.4	8490.5	9028.3	9190.3
15°	1623.8	2148.3	2981.7	3978.6	4880.4	5667.8	6704.8	8102.8	8695.5	8859.0
17.5°	931.5	1193.0	1822.9	2934.2	4158.4	5248.8	6530.9	8199.3	8897.6	9049.1
20°	711.6	794.8	1050.4	1889.8	3314.5	4837.3	6530.9	8746.1	9606.3	9829.1
22.5°	622.5	683.4	787.4	1127.6	2439.4	4396.1	6606.7	9536.4	10661.1	10907.7
25°	552.7	607.6	696.8	848.3	1663.9	3871.6	6786.5	10506.6	11903.1	12222.5
27.5°	494.7	546.7	626.9	742.8	1138.0	3238.7	7028.6	11644.6	13272.8	13528.4
30°	442.7	491.8	564.5	646.3	878.0	2521.2	7235.1	12717.2	14348.5	14623.3
32.5°	393.7	438.3	503.6	564.5	719.1	1864.5	7257.4	13567.0	15241.3	15514.7
35°	347.6	387.8	447.2	494.7	595.7	1472.3	6911.3	14303.9	16134.2	16495.2
37.5°	303.1	341.7	393.7	429.4	524.4	1200.4	6382.4	15125.5	17279.7	17613.9
40°	261.5	295.6	349.1	372.9	496.2	922.6	5807.4	15987.1	18402.8	18708.9
42.5°	222.8	255.5	307.5	353.6	435.3	689.3	5186.4	16795.3	19413.1	19734.0
45°	185.7	219.9	271.9	374.4	361.0	515.5	4522.3	17331.7	20210.9	20560.0
47.5°	150.1	188.7	260.0	356.6	288.2	378.8	3996.4	17839.8	20815.5	21160.2
50°	120.3	159.0	292.7	317.9	236.2	289.7	3776.5	18294.4	21212.2	21543.5
52.5°	98.1	133.7	276.3	243.6	197.6	239.2	3895.4	19031.3	21579.2	21787.1
55°	81.7	105.5	166.4	169.4	167.9	203.5	4042.5	20089.0	22528.5	22626.5
57.5°	71.3	84.7	115.9	130.7	141.1	181.3	4045.4	21607.4	23997.8	24058.7
60°	60.9	74.3	96.6	105.5	121.8	161.9	3898.4	22137.8	24575.7	24777.8
62.5°	53.5	65.4	80.2	87.7	102.5	145.6	3553.7	21369.7	23782.4	24125.6
65°	47.5	59.4	66.9	74.3	90.6	130.7	2986.2	19833.5	22466.1	22824.1
67.5°	41.6	52.0	59.4	66.9	81.7	115.9	2198.8	18049.2	20955.2	21252.3
70°	37.1	46.1	53.5	59.4	71.3	98.1	1334.1	15315.6	18866.3	18989.7
72.5°	35.7	41.6	49.0	53.5	62.4	86.2	676.0	11255.3	15082.4	15282.9
75°	31.2	37.1	44.6	47.5	55.0	74.3	274.8	7392.6	10930.0	11252.4
77.5°	25.3	34.2	40.1	43.1	47.5	60.9	139.7	4724.4	7670.4	7878.4
80°	8.9	25.3	34.2	35.7	40.1	44.6	92.1	2586.5	4449.5	4538.7
82.5°	0.0	16.3	26.7	25.3	28.2	34.2	59.4	1230.1	2937.1	2969.8
85°	0.0	7.4	20.8	16.3	11.9	23.8	20.8	268.9	1540.6	1604.5
87.5°	0.0	0.0	1.5	7.4	5.9	8.9	3.0	1.5	139.7	176.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)