

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: P324072

Luminaire Tested: **GAN-SA8A-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324072
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-SA8A-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 615mA 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: 23156 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

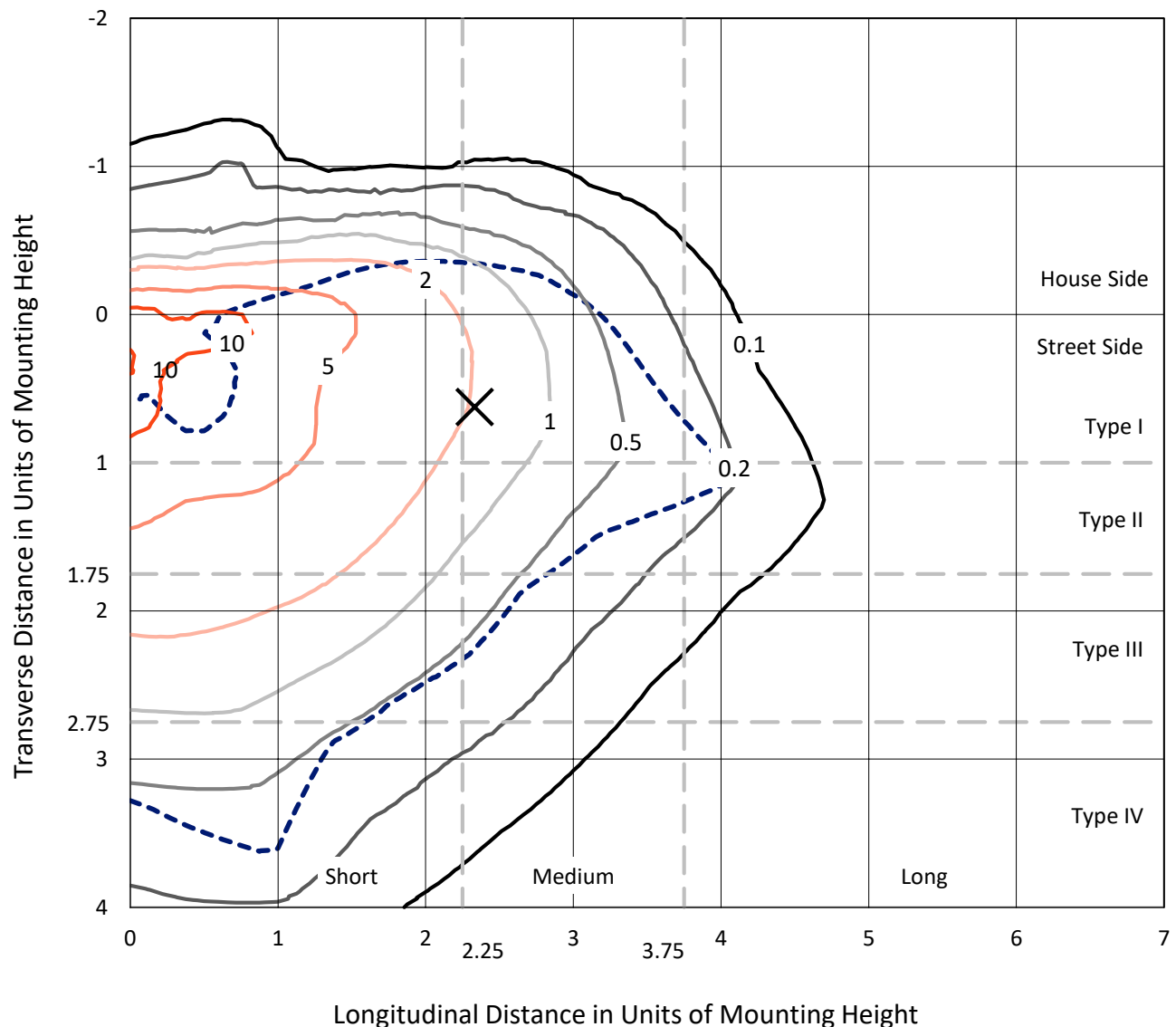
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

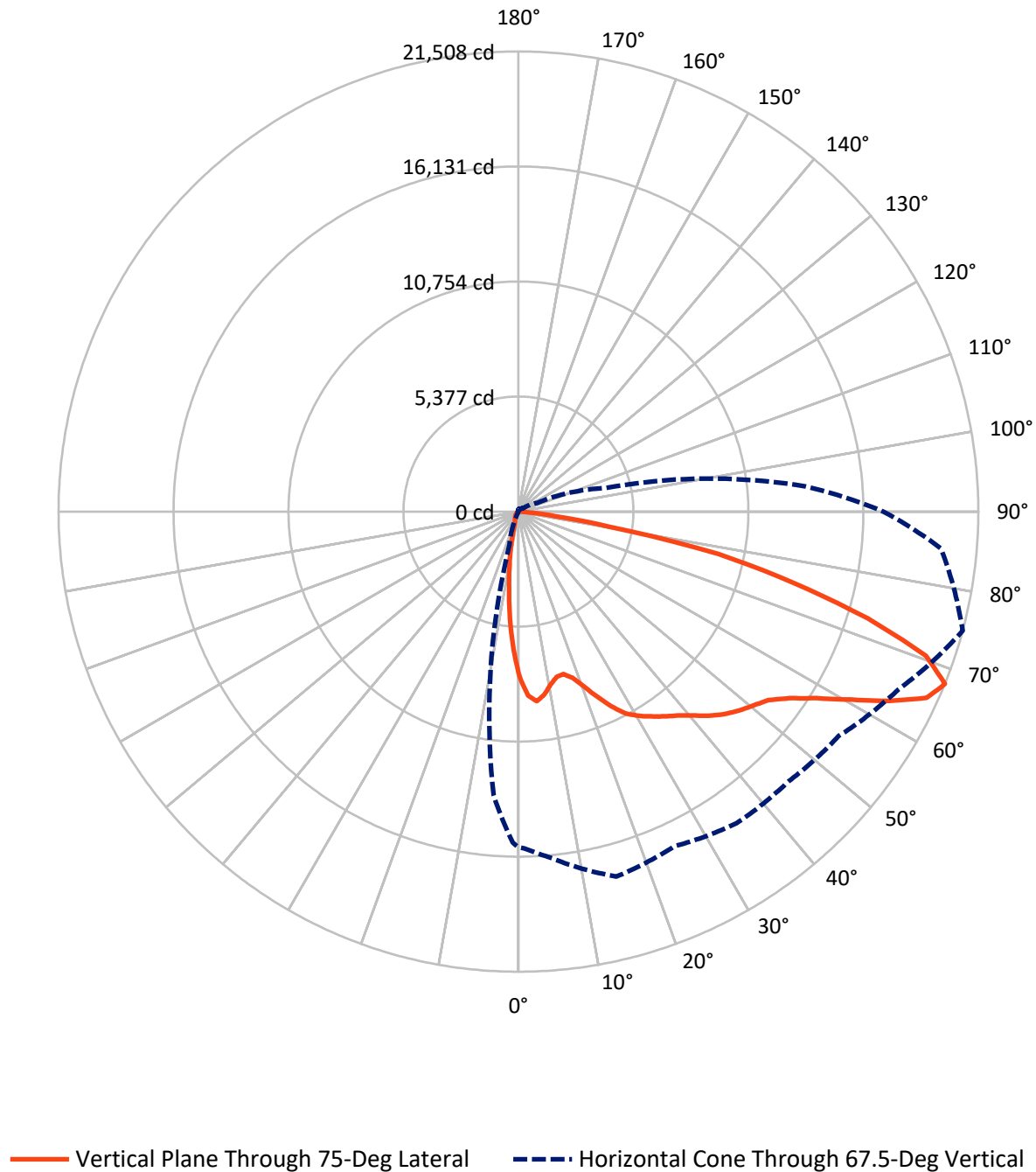
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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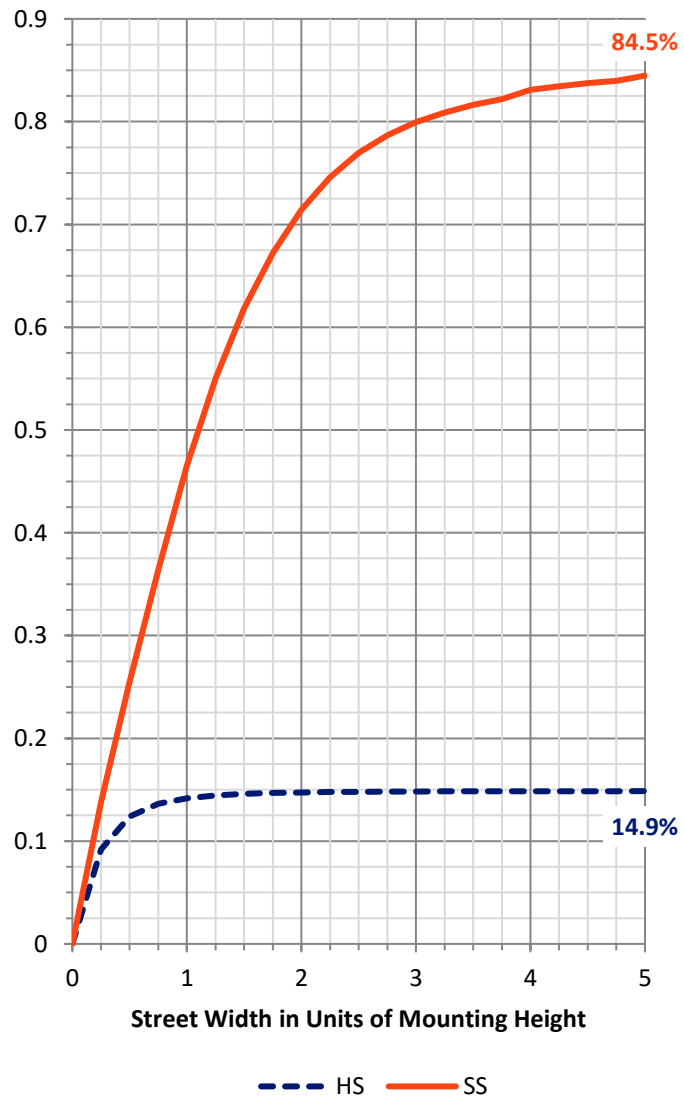
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3474.8	0.0	3474.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	19681.2	0.0	19681.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	23156.0	0.0	23156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.3	2.5
10°-20°	1160.3	5.0
20°-30°	1641.5	7.1
30°-40°	2413.4	10.4
40°-50°	3468.9	15.0
50°-60°	4883.3	21.1
60°-70°	5703.2	24.6
70°-80°	2909.6	12.6
80°-90°	386.5	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°	23156.0	100.0
0°-180°	23156.0	100.0

Coefficient of Utilization



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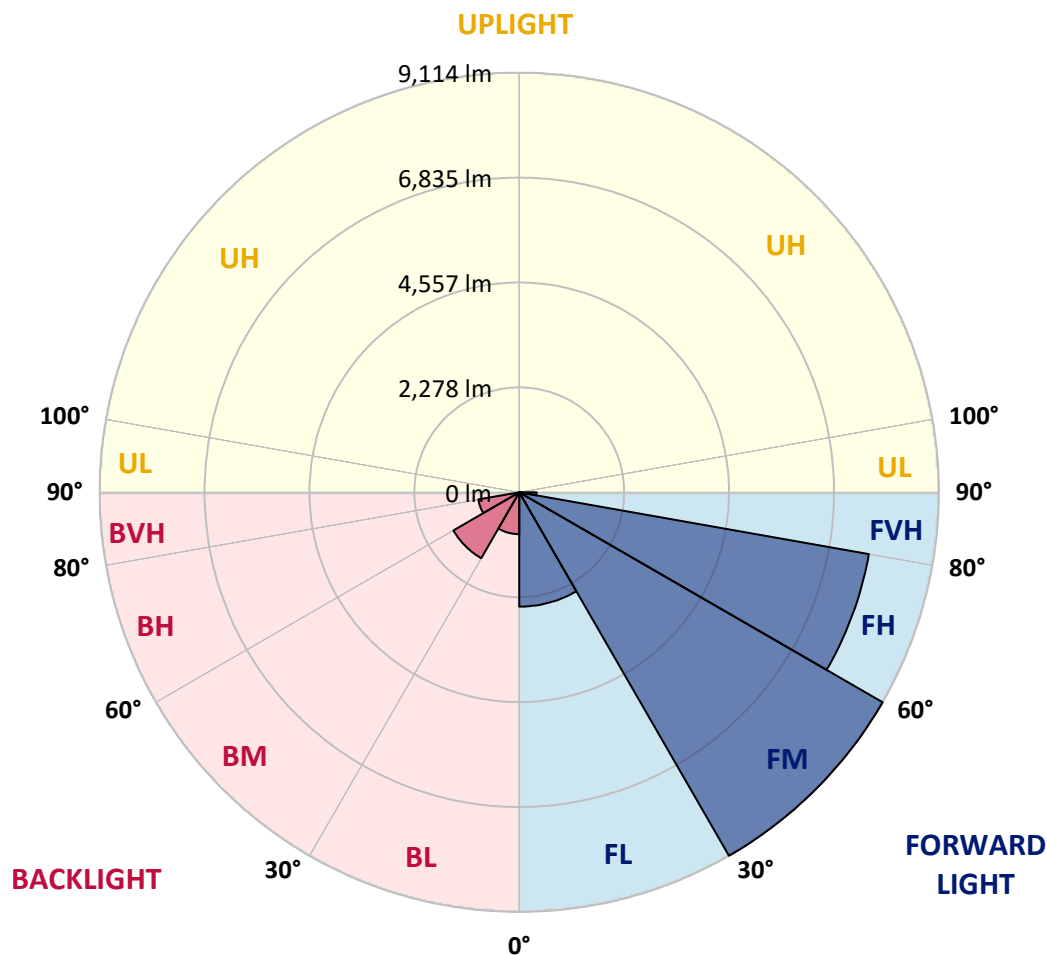
CATALOG NUMBER: GAN-SA8A-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2482.3	10.7			
FM	(30°-60°)	9113.8	39.4			
FH	(60°-80°)	7710.3	33.3			G4/12000
FVH	(80°-90°)	374.8	1.6			G3/500
BL	(0°-30°)	908.7	3.9	B2/1000		
BM	(30°-60°)	1651.8	7.1	B2/2500		
BH	(60°-80°)	902.6	3.9	B2/1000		G2/1000
BVH	(80°-90°)	11.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4
2.5°	8421.1	8434.3	8502.3	8660.2	8832.5	8845.6	8961.9	8842.3	8801.7	8608.7	8409.0
5°	8484.7	8535.2	8768.8	9232.8	9635.4	9764.9	9857.0	9622.2	9375.4	8903.8	8400.3
7.5°	7972.5	8056.9	8424.4	9295.4	10014.9	10333.1	10393.4	10025.9	9421.5	8644.9	7888.0
10°	7316.5	7413.0	7856.2	8926.8	9915.1	10460.3	10543.7	10062.1	9193.4	8225.9	7334.1
12.5°	6785.6	6898.6	7351.6	8512.2	9571.8	10175.1	10339.6	9940.4	8995.9	7928.6	6955.6
15°	6541.0	6670.4	7146.5	8244.5	9191.2	9666.1	9802.1	9629.9	8886.2	7881.4	6867.9
17.5°	6681.4	6821.8	7313.2	8267.5	8833.6	9036.5	9146.2	9216.4	8886.2	8165.5	7124.5
20°	7257.3	7408.6	7928.6	8501.2	8537.4	8461.7	8579.1	8825.9	8989.3	8705.2	7741.0
22.5°	8053.6	8231.3	8818.2	8901.6	8392.6	8106.3	8121.7	8508.9	9176.9	9389.7	8596.6
25°	9024.4	9241.6	9838.3	9498.3	8452.9	7894.6	7889.1	8247.8	9360.1	10075.3	9549.9
27.5°	9988.6	10227.8	10752.1	10226.7	8701.9	7856.2	7845.2	8168.8	9538.9	10685.2	10590.8
30°	10797.1	11029.6	11481.5	10754.3	8970.7	7946.1	7893.5	8253.3	9645.3	11081.2	11349.9
32.5°	11455.2	11641.7	12007.0	11117.4	9258.1	8120.6	8006.5	8479.3	9826.3	11415.7	12047.6
35°	12179.2	12375.5	12521.4	11462.9	9580.6	8371.8	8208.3	8837.9	10104.9	11755.8	12812.1
37.5°	13005.2	13200.4	13182.9	11778.8	9989.7	8787.5	8683.3	9406.2	10538.2	12092.5	13665.5
40°	13813.6	14013.3	13870.7	12124.3	10470.2	9473.1	9396.3	10259.6	11118.5	12523.6	14665.9
42.5°	14570.5	14786.6	14481.6	12451.2	11042.8	10337.4	10469.1	11358.7	11844.6	13054.5	15528.1
45°	15180.4	15400.9	14993.9	12769.3	11646.1	11386.1	11782.1	12576.3	12717.8	13503.2	16110.6
47.5°	15623.5	15832.0	15349.3	13087.4	12418.3	12668.4	13358.4	13853.1	13506.5	13892.6	16524.1
50°	15906.5	16068.9	15453.5	13485.6	13431.9	14164.6	15000.5	15241.8	14249.1	14243.6	17026.5
52.5°	16086.4	16159.9	15530.3	13901.4	14489.3	15793.6	16608.6	16684.3	15013.6	14629.7	17703.3
55°	16706.2	16765.4	16074.4	14404.9	15363.6	17220.7	18063.1	17992.9	15879.1	15385.5	18501.9
57.5°	17763.6	17826.2	17198.7	15128.8	16071.1	18102.6	19117.3	19243.4	16893.8	16447.3	19357.5
60°	18294.6	18410.8	18187.1	16045.9	16756.7	18666.4	19835.7	20238.3	18161.8	17847.0	20186.8
62.5°	17813.0	17981.9	18306.6	17062.7	17437.9	18976.8	20059.5	20594.8	19460.6	19478.1	20697.9
65°	16852.1	16987.0	17537.7	17619.9	17832.8	18938.5	19506.7	20096.8	20255.9	20976.5	20670.5
67.5°	15691.6	15742.0	16209.3	17663.8	17260.2	17784.5	17845.9	18282.5	19627.3	21507.5	19840.1
70°	14020.9	14048.4	14456.4	16195.0	14832.7	14947.8	14856.8	14945.6	16874.0	20214.2	17743.9
72.5°	11284.1	11353.2	11933.5	13449.4	10805.8	10473.5	11188.7	11149.2	12995.3	17078.1	13178.5
75°	8308.1	8427.7	9304.1	10833.3	7584.2	6860.2	7382.3	7521.6	9238.3	13210.3	8241.2
77.5°	5817.0	5905.9	6754.9	7963.7	5489.0	4905.5	4716.8	4882.4	6097.8	9556.4	4151.9
80°	3351.1	3384.0	3925.9	4598.3	3698.8	4231.9	3833.8	3947.8	3653.9	4251.7	1785.8
82.5°	2192.8	2198.2	2410.0	2736.8	2303.5	2676.5	1981.1	2532.8	2247.6	1707.9	581.4
85°	1184.7	1191.3	1397.5	1942.7	1304.2	737.1	433.3	889.6	1389.8	391.6	159.1
87.5°	130.5	119.6	421.2	706.4	362.0	66.9	23.0	99.8	222.7	25.2	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°	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4
2.5°	8307.0	8216.0	7988.9	7748.7	7555.6	7374.6	7192.6	6969.9	6797.7	6762.6	6705.5
5°	8129.3	7840.8	7364.8	6886.5	6501.5	6015.6	5707.3	5467.1	5232.3	5218.1	5170.9
7.5°	7508.5	7128.9	6458.7	5797.3	5255.4	4792.5	4325.2	4012.6	3766.8	3680.2	3628.6
10°	6911.7	6485.0	5648.1	4893.4	4409.6	4000.5	3671.4	3344.5	3048.4	2844.3	2752.2
12.5°	6494.9	6023.2	5100.7	4450.2	4103.6	3715.3	3313.8	2905.8	2564.6	2318.9	2168.6
15°	6333.7	5830.2	4917.5	4274.7	3846.9	3355.5	2842.1	2375.9	1997.5	1774.8	1639.9
17.5°	6525.6	5939.9	4903.3	4060.8	3463.0	2852.0	2284.9	1734.2	1377.7	1208.8	1122.2
20°	7012.7	6288.7	4897.8	3798.7	3006.7	2255.3	1547.8	1140.8	924.7	830.4	789.8
22.5°	7701.5	6734.0	4941.7	3539.8	2531.7	1611.4	1068.4	838.1	727.3	676.8	653.8
25°	8587.8	7359.3	5065.6	3305.0	2085.3	1202.2	832.6	702.0	624.2	584.7	568.2
27.5°	9532.3	8078.9	5258.7	3101.0	1722.2	958.7	713.0	601.1	545.2	517.7	502.4
30°	10311.1	8912.5	5453.9	2874.0	1458.9	835.9	652.7	548.5	483.7	466.2	451.9
32.5°	10992.3	9543.3	5592.1	2668.8	1286.7	742.6	590.1	490.3	446.4	412.4	397.1
35°	11697.6	10068.7	5587.7	2525.1	1168.2	672.4	537.5	438.8	386.1	346.6	334.6
37.5°	12461.1	10662.1	5492.3	2402.3	1116.7	616.5	507.9	411.3	358.7	319.2	303.8
40°	13355.1	11285.2	5394.7	2287.1	1102.4	571.5	487.0	389.4	333.5	295.1	279.7
42.5°	14226.1	11846.8	5309.1	2201.5	1041.0	570.4	468.4	373.0	313.7	276.4	258.9
45°	14922.6	12370.1	5292.7	2150.0	976.3	590.1	458.5	362.0	298.4	261.1	244.6
47.5°	15501.8	12938.3	5398.0	2113.8	914.8	538.6	482.6	354.3	284.1	247.9	229.3
50°	16190.7	13635.9	5645.9	2054.5	850.1	484.8	552.9	356.5	272.0	234.7	215.0
52.5°	17151.6	14601.2	6010.1	1954.7	761.3	435.5	544.1	358.7	258.9	220.5	200.7
55°	18228.7	15806.7	6401.7	1789.1	637.3	370.8	466.2	343.3	233.6	205.1	186.5
57.5°	19360.8	16900.4	6634.2	1591.6	506.8	320.3	373.0	312.6	206.2	184.3	172.2
60°	19538.5	17316.1	6527.8	1349.2	402.6	278.6	276.4	318.1	184.3	162.3	153.6
62.5°	19096.4	16794.0	6013.4	1133.1	336.8	244.6	227.1	277.5	166.7	144.8	136.0
65°	18246.3	15382.2	5179.7	1021.2	312.6	209.5	188.7	195.3	145.9	126.1	118.5
67.5°	17063.8	13497.7	4252.8	957.6	309.3	179.9	161.2	148.1	126.1	109.7	103.1
70°	14646.2	11244.6	3392.8	922.5	300.6	151.4	136.0	120.7	105.3	93.2	87.8
72.5°	10779.5	7968.1	2639.2	884.1	302.8	120.7	118.5	99.8	84.5	72.4	70.2
75°	6228.4	4552.2	1731.0	716.3	288.5	93.2	98.7	70.2	59.2	50.5	50.5
77.5°	3319.3	2776.3	659.3	298.4	105.3	59.2	55.9	41.7	37.3	30.7	29.6
80°	1446.8	1222.0	198.5	83.4	58.1	31.8	20.8	18.6	16.5	13.2	12.1
82.5°	512.3	442.1	64.7	40.6	25.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	116.3	83.4	0.0	9.9	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°	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4
2.5°	6589.2	6565.1	6422.5	6428.0	6453.2	6489.4	6403.9	6443.4	6549.8	6651.8	6690.2
5°	5095.2	5100.7	5014.1	5067.8	5116.1	5149.0	5010.8	5013.0	5097.4	5212.6	5272.9
7.5°	3590.2	3581.5	3585.9	3714.2	3805.2	3739.4	3791.0	3612.2	3623.2	3705.4	3644.0
10°	2668.8	2548.2	2480.2	2576.7	2676.5	2640.3	2551.5	2493.3	2533.9	2624.9	2618.4
12.5°	2097.3	1924.0	1822.0	1752.9	1835.2	1767.2	1765.0	1714.5	1659.7	1669.5	1815.4
15°	1577.4	1451.2	1330.6	1219.8	1217.6	1194.6	1077.2	945.6	934.6	941.2	1016.9
17.5°	1084.9	1042.1	992.7	897.3	872.1	775.5	661.4	608.8	582.5	594.5	619.8
20°	762.4	745.9	751.4	699.8	663.6	571.5	504.6	483.7	479.4	491.4	503.5
22.5°	631.8	602.2	598.9	575.9	539.7	472.8	436.6	424.5	419.0	430.0	438.8
25°	552.9	523.2	511.2	496.9	458.5	412.4	390.5	379.5	374.1	380.6	386.1
27.5°	487.0	459.6	448.6	438.8	401.5	368.6	351.0	341.1	336.8	339.0	344.4
30°	437.7	413.5	399.3	387.2	355.4	332.4	317.0	307.1	302.8	302.8	308.2
32.5°	386.1	373.0	359.8	344.4	314.8	299.5	284.1	273.1	268.7	269.8	274.2
35°	321.4	317.0	320.3	306.0	280.8	267.7	252.3	240.2	236.9	238.0	242.4
37.5°	285.2	265.5	277.5	269.8	255.6	238.0	218.3	207.3	201.8	205.1	207.3
40°	262.2	238.0	229.3	236.9	234.7	206.2	188.7	177.7	173.3	174.4	176.6
42.5°	242.4	213.9	194.2	193.1	206.2	179.9	161.2	151.4	145.9	145.9	148.1
45°	223.8	193.1	168.9	150.3	173.3	152.5	134.9	126.1	119.6	119.6	120.7
47.5°	209.5	175.5	147.0	122.9	130.5	125.0	110.8	102.0	95.4	95.4	96.5
50°	196.4	158.0	127.2	103.1	97.6	103.1	89.9	80.1	75.7	74.6	76.8
52.5°	182.1	140.4	108.6	87.8	76.8	77.9	70.2	63.6	58.1	58.1	60.3
55°	167.8	126.1	94.3	74.6	63.6	58.1	55.9	51.6	47.2	47.2	49.4
57.5°	153.6	110.8	80.1	61.4	50.5	46.1	46.1	42.8	39.5	39.5	41.7
60°	140.4	95.4	65.8	50.5	39.5	38.4	39.5	36.2	34.0	34.0	36.2
62.5°	125.0	81.2	53.7	41.7	31.8	30.7	34.0	31.8	29.6	29.6	31.8
65°	106.4	69.1	42.8	31.8	24.1	24.1	28.5	26.3	24.1	24.1	26.3
67.5°	89.9	58.1	32.9	23.0	17.6	18.6	24.1	21.9	20.8	20.8	23.0
70°	74.6	45.0	23.0	14.3	9.9	14.3	18.6	18.6	18.6	18.6	20.8
72.5°	55.9	30.7	13.2	5.5	4.4	9.9	15.4	17.6	16.5	16.5	19.7
75°	36.2	17.6	4.4	0.0	0.0	5.5	12.1	14.3	14.3	13.2	16.5
77.5°	20.8	5.5	0.0	0.0	0.0	0.0	7.7	6.6	5.5	4.4	7.7
80°	5.5	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: P324072

CATALOG NUMBER: GAN-SA8A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4	7768.4
2.5°	6844.8	6974.3	7156.4	7349.4	7646.7	7882.5	8114.0	8312.5	8389.3	8421.1
5°	5417.7	5607.5	5874.0	6216.3	6752.7	7235.3	7724.6	8217.1	8431.0	8484.7
7.5°	3887.5	4129.9	4468.9	4897.8	5526.3	6151.6	6835.0	7557.8	7889.1	7972.5
10°	2877.2	3173.4	3561.7	4013.7	4613.7	5256.5	6001.3	6827.3	7205.7	7316.5
12.5°	2041.4	2441.8	2961.7	3511.3	4031.2	4604.9	5358.5	6268.9	6666.0	6785.6
15°	1198.9	1586.2	2201.5	2937.6	3603.4	4184.8	4950.4	5982.6	6420.3	6541.0
17.5°	687.8	880.8	1345.9	2166.4	3070.3	3875.4	4822.1	6053.9	6569.5	6681.4
20°	525.4	586.9	775.5	1395.3	2447.2	3571.6	4822.1	6457.6	7092.7	7257.3
22.5°	459.6	504.6	581.4	832.6	1801.2	3245.8	4878.0	7041.2	7871.6	8053.6
25°	408.1	448.6	514.5	626.3	1228.6	2858.6	5010.8	7757.5	8788.6	9024.4
27.5°	365.3	403.7	462.9	548.5	840.2	2391.3	5189.6	8597.7	9800.0	9988.6
30°	326.9	363.1	416.8	477.2	648.3	1861.5	5342.0	9389.7	10594.1	10797.1
32.5°	290.7	323.6	371.9	416.8	530.9	1376.6	5358.5	10017.1	11253.4	11455.2
35°	256.7	286.3	330.2	365.3	439.9	1087.1	5102.9	10561.2	11912.6	12179.2
37.5°	223.8	252.3	290.7	317.0	387.2	886.3	4712.4	11167.8	12758.4	13005.2
40°	193.1	218.3	257.8	275.3	366.4	681.2	4287.9	11804.0	13587.6	13813.6
42.5°	164.5	188.7	227.1	261.1	321.4	509.0	3829.4	12400.8	14333.6	14570.5
45°	137.1	162.3	200.7	276.4	266.6	380.6	3339.0	12796.8	14922.6	15180.4
47.5°	110.8	139.3	192.0	263.3	212.8	279.7	2950.7	13171.9	15369.1	15623.5
50°	88.9	117.4	216.1	234.7	174.4	213.9	2788.4	13507.6	15661.9	15906.5
52.5°	72.4	98.7	204.0	179.9	145.9	176.6	2876.1	14051.6	15932.9	16086.4
55°	60.3	77.9	122.9	125.0	124.0	150.3	2984.7	14832.7	16633.8	16706.2
57.5°	52.7	62.5	85.6	96.5	104.2	133.8	2986.9	15953.7	17718.7	17763.6
60°	45.0	54.8	71.3	77.9	89.9	119.6	2878.3	16345.3	18145.4	18294.6
62.5°	39.5	48.3	59.2	64.7	75.7	107.5	2623.9	15778.2	17559.6	17813.0
65°	35.1	43.9	49.4	54.8	66.9	96.5	2204.8	14644.0	16587.7	16852.1
67.5°	30.7	38.4	43.9	49.4	60.3	85.6	1623.5	13326.6	15472.2	15691.6
70°	27.4	34.0	39.5	43.9	52.7	72.4	985.0	11308.2	13929.9	14020.9
72.5°	26.3	30.7	36.2	39.5	46.1	63.6	499.1	8310.3	11136.0	11284.1
75°	23.0	27.4	32.9	35.1	40.6	54.8	202.9	5458.3	8070.1	8308.1
77.5°	18.6	25.2	29.6	31.8	35.1	45.0	103.1	3488.2	5663.4	5817.0
80°	6.6	18.6	25.2	26.3	29.6	32.9	68.0	1909.8	3285.3	3351.1
82.5°	0.0	12.1	19.7	18.6	20.8	25.2	43.9	908.3	2168.6	2192.8
85°	0.0	5.5	15.4	12.1	8.8	17.6	15.4	198.5	1137.5	1184.7
87.5°	0.0	0.0	1.1	5.5	4.4	6.6	2.2	1.1	103.1	130.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)