

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: P324082

Luminaire Tested: **GAN-SA8B-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324082
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-SA8B-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 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: 28394 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

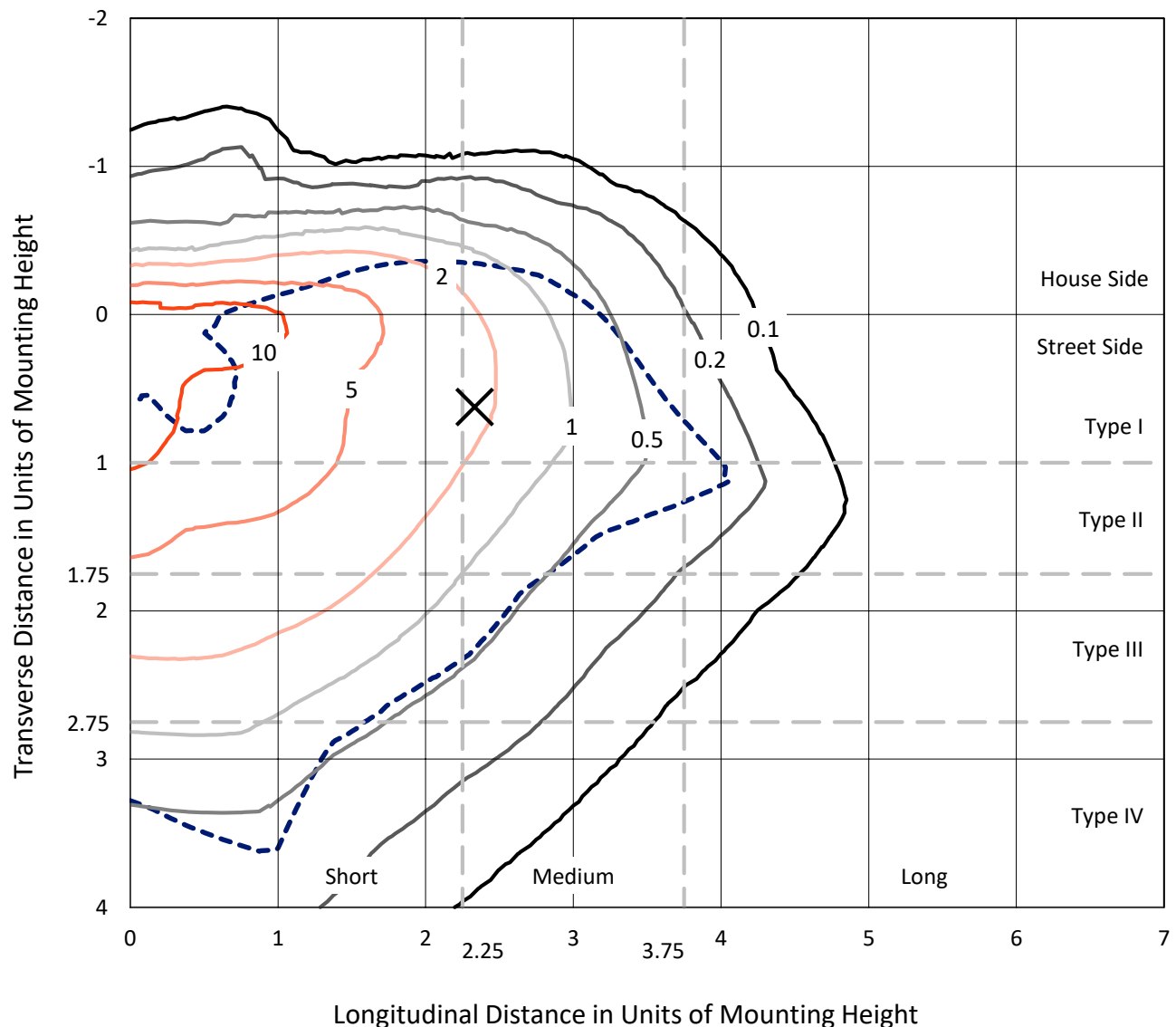
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

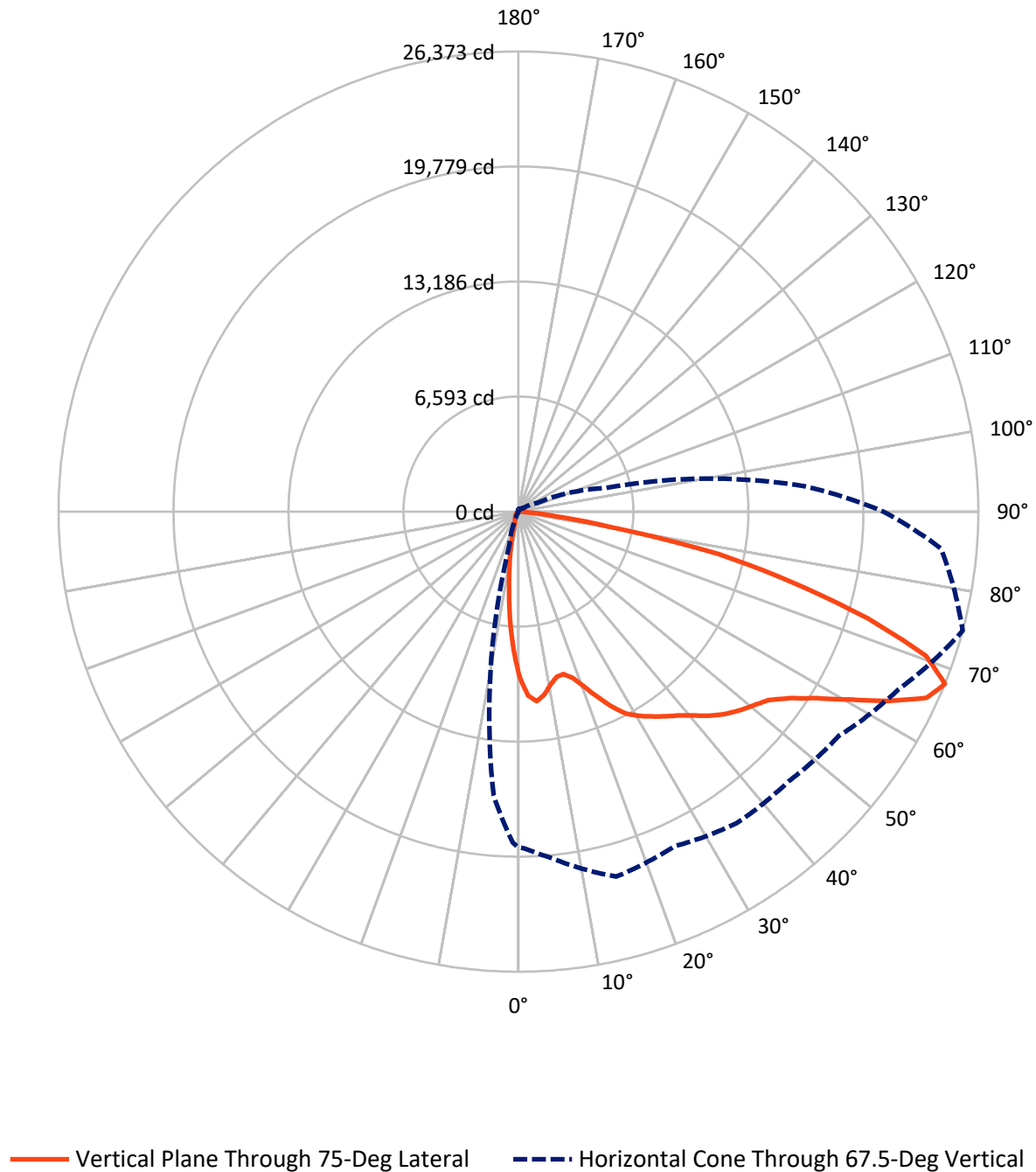
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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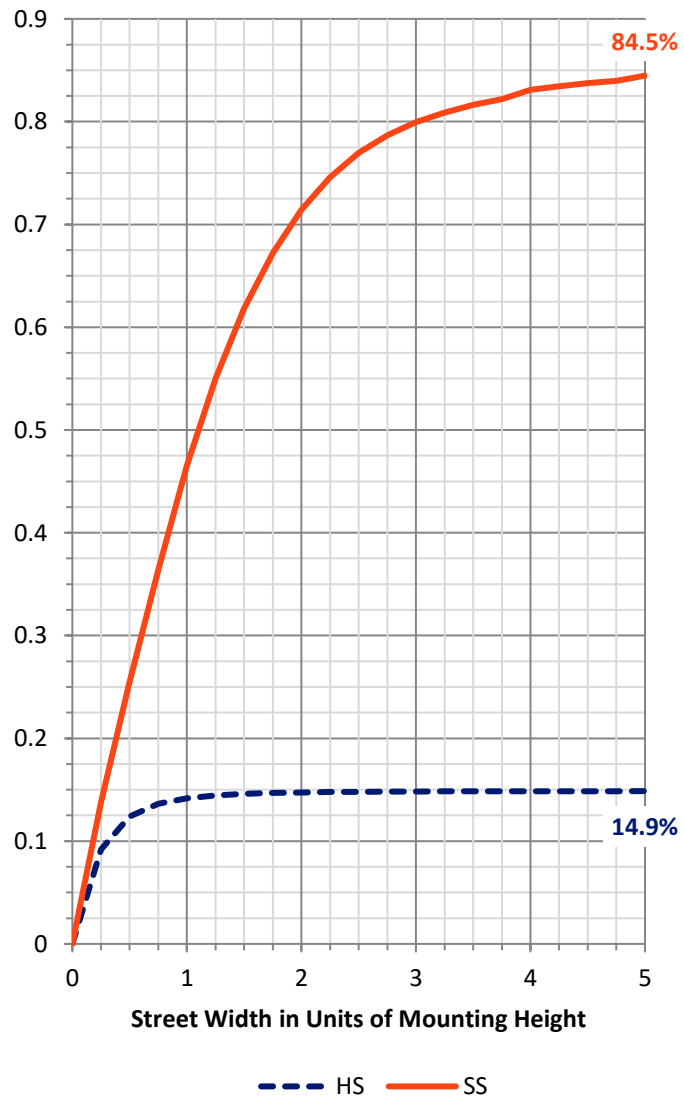
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4260.8	0.0	4260.8
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	24133.2	0.0	24133.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	28394.0	0.0	28394.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.6	2.5
10°-20°	1422.7	5.0
20°-30°	2012.8	7.1
30°-40°	2959.4	10.4
40°-50°	4253.6	15.0
50°-60°	5987.9	21.1
60°-70°	6993.3	24.6
70°-80°	3567.8	12.6
80°-90°	473.9	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°	28394.0	100.0
0°-180°	28394.0	100.0

Coefficient of Utilization



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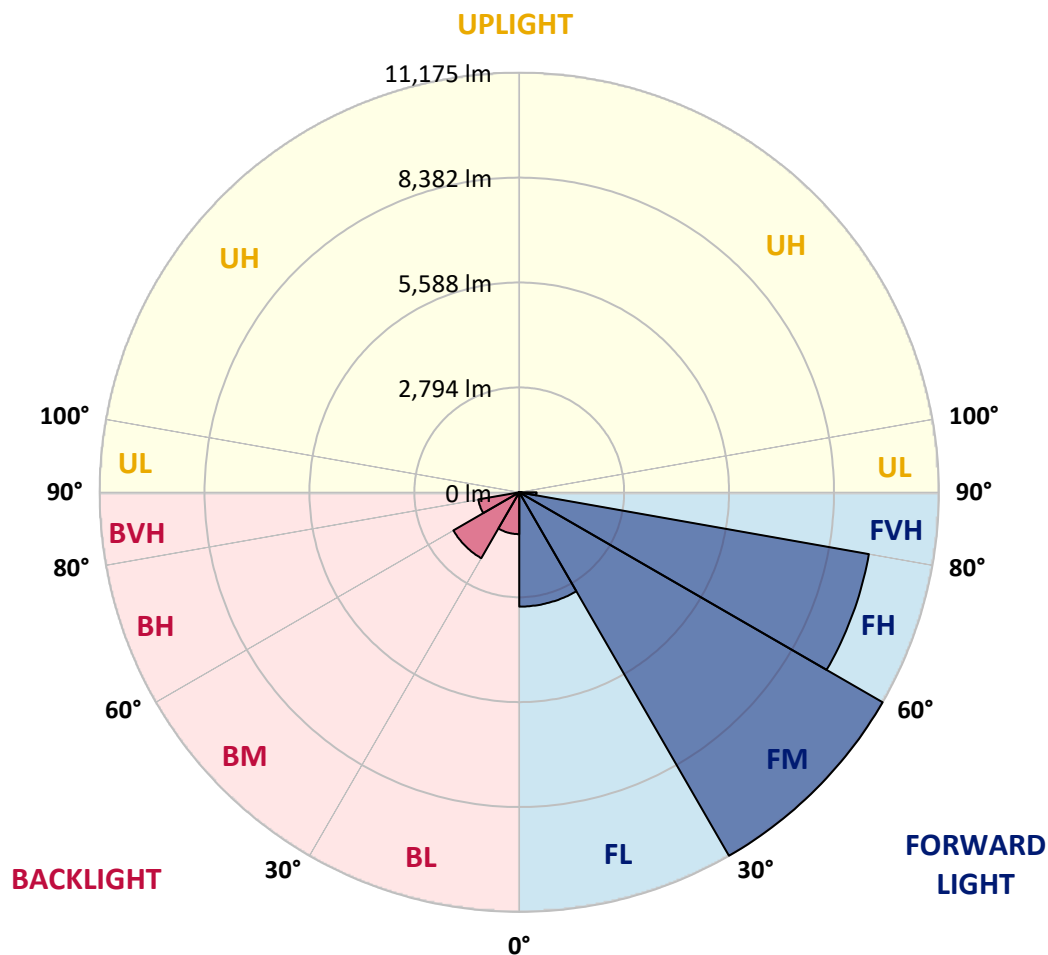
CATALOG NUMBER: GAN-SA8B-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3043.8	10.7			
FM	(30°-60°)	11175.4	39.4			
FH	(60°-80°)	9454.4	33.3			G4/12000
FVH	(80°-90°)	459.6	1.6			G3/500
BL	(0°-30°)	1114.3	3.9	B3/2500		
BM	(30°-60°)	2025.5	7.1	B2/2500		
BH	(60°-80°)	1106.7	3.9	B3/2500		G3/2500
BVH	(80°-90°)	14.4	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°	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7
2.5°	10326.0	10342.2	10425.5	10619.2	10830.4	10846.5	10989.1	10842.5	10792.7	10556.0	10311.2
5°	10404.0	10465.9	10752.4	11321.4	11815.0	11973.7	12086.7	11798.8	11496.2	10917.8	10300.5
7.5°	9775.9	9879.5	10330.0	11398.0	12280.4	12670.4	12744.4	12293.8	11552.7	10600.4	9672.3
10°	8971.5	9089.9	9633.3	10946.1	12158.0	12826.5	12928.7	12338.2	11272.9	10086.6	8993.1
12.5°	8320.5	8459.1	9014.6	10437.7	11737.0	12476.8	12678.5	12188.9	11030.8	9722.1	8529.0
15°	8020.6	8179.3	8763.1	10109.5	11270.2	11852.7	12019.4	11808.3	10896.3	9664.2	8421.4
17.5°	8192.7	8364.9	8967.5	10137.7	10831.8	11080.6	11215.1	11301.2	10896.3	10012.6	8736.2
20°	8898.9	9084.5	9722.1	10424.2	10468.6	10375.8	10519.7	10822.3	11022.8	10674.4	9492.1
22.5°	9875.4	10093.3	10812.9	10915.1	10291.0	9940.0	9958.8	10433.6	11252.8	11513.7	10541.2
25°	11065.8	11332.1	12063.8	11646.9	10365.0	9680.4	9673.7	10113.5	11477.4	12354.4	11710.1
27.5°	12248.1	12541.3	13184.3	12540.0	10670.3	9633.3	9619.9	10016.6	11696.6	13102.2	12986.5
30°	13239.4	13524.6	14078.7	13186.9	10999.9	9743.6	9679.0	10120.2	11827.1	13587.8	13917.3
32.5°	14046.4	14275.1	14723.0	13632.2	11352.3	9957.5	9817.6	10397.3	12049.0	13998.0	14772.8
35°	14934.2	15174.9	15353.8	14055.9	11747.7	10265.5	10065.1	10837.1	12390.7	14415.0	15710.3
37.5°	15947.0	16186.4	16164.9	14443.2	12249.4	10775.3	10647.5	11533.9	12922.0	14827.9	16756.7
40°	16938.3	17183.1	17008.3	14866.9	12838.6	11615.9	11521.8	12580.3	13633.5	15356.5	17983.4
42.5°	17866.4	18131.4	17757.5	15267.8	13540.7	12675.8	12837.2	13928.1	14523.9	16007.5	19040.6
45°	18614.3	18884.6	18385.6	15657.8	14280.5	13961.7	14447.3	15421.1	15594.6	16557.7	19754.9
47.5°	19157.7	19413.2	18821.4	16047.9	15227.4	15534.1	16380.1	16986.7	16561.7	17035.2	20262.0
50°	19504.7	19703.8	18949.2	16536.1	16470.2	17368.7	18393.7	18689.6	17472.3	17465.6	20878.0
52.5°	19725.3	19815.4	19043.3	17045.9	17766.9	19366.1	20365.5	20458.3	18409.8	17939.0	21707.9
55°	20485.2	20557.9	19710.5	17663.3	18838.9	21116.1	22149.1	22063.0	19471.1	18865.8	22687.1
57.5°	21781.9	21858.5	21089.2	18551.0	19706.4	22197.5	23441.7	23596.4	20715.2	20167.8	23736.2
60°	22432.9	22575.5	22301.1	19675.5	20547.1	22888.9	24322.7	24816.3	22270.1	21884.1	24753.1
62.5°	21842.4	22049.5	22447.7	20922.4	21382.4	23269.5	24597.1	25253.5	23862.7	23884.2	25379.9
65°	20664.1	20829.6	21504.8	21605.7	21866.6	23222.4	23919.2	24642.8	24837.8	25721.5	25346.3
67.5°	19241.1	19302.9	19875.9	21659.5	21164.5	21807.4	21882.8	22418.1	24067.1	26372.6	24328.1
70°	17192.5	17226.2	17726.5	19858.4	18187.9	18329.1	18217.5	18326.4	20691.0	24786.7	21757.7
72.5°	13836.6	13921.4	14632.9	16491.8	13250.2	12842.6	13719.6	13671.2	15934.9	20941.2	16159.5
75°	10187.5	10334.1	11408.8	13283.8	9299.7	8412.0	9052.2	9223.1	11328.1	16198.5	10105.4
77.5°	7132.8	7241.8	8282.9	9765.1	6730.7	6015.1	5783.7	5986.9	7477.2	11718.1	5091.0
80°	4109.2	4149.5	4814.0	5638.5	4535.5	5189.2	4701.0	4840.9	4480.4	5213.4	2189.8
82.5°	2688.8	2695.5	2955.1	3355.9	2824.6	3281.9	2429.2	3105.7	2756.0	2094.3	712.9
85°	1452.7	1460.7	1713.6	2382.1	1599.3	903.9	531.3	1090.8	1704.2	480.2	195.0
87.5°	160.1	146.6	516.5	866.2	443.9	82.0	28.2	122.4	273.0	30.9	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°	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7
2.5°	10186.1	10074.5	9796.1	9501.5	9264.8	9042.8	8819.5	8546.5	8335.3	8292.3	8222.3
5°	9968.2	9614.5	9030.7	8444.3	7972.2	7376.3	6998.3	6703.8	6415.9	6398.4	6340.6
7.5°	9206.9	8741.5	7919.7	7108.6	6444.2	5876.6	5303.6	4920.2	4618.9	4512.7	4449.5
10°	8475.2	7952.0	6925.7	6000.3	5407.1	4905.4	4501.9	4101.1	3737.9	3487.7	3374.8
12.5°	7964.1	7385.7	6254.5	5456.9	5031.9	4555.7	4063.4	3563.1	3144.7	2843.5	2659.2
15°	7766.4	7149.0	6029.9	5241.7	4717.1	4114.5	3485.0	2913.4	2449.4	2176.3	2010.9
17.5°	8001.8	7283.5	6012.4	4979.4	4246.3	3497.2	2801.8	2126.5	1689.4	1482.3	1376.0
20°	8599.0	7711.2	6005.7	4657.9	3686.8	2765.4	1897.9	1398.9	1133.9	1018.2	968.4
22.5°	9443.7	8257.3	6059.5	4340.5	3104.4	1975.9	1310.1	1027.6	891.8	829.9	801.7
25°	10530.5	9024.0	6211.5	4052.7	2557.0	1474.2	1020.9	860.8	765.3	716.9	696.7
27.5°	11688.6	9906.4	6448.2	3802.5	2111.7	1175.6	874.3	737.1	668.5	634.9	616.0
30°	12643.5	10928.6	6687.6	3524.1	1788.9	1024.9	800.3	672.5	593.2	571.6	554.2
32.5°	13478.8	11702.0	6857.1	3272.5	1577.8	910.6	723.6	601.2	547.4	505.7	486.9
35°	14343.7	12346.3	6851.7	3096.3	1432.5	824.5	659.1	538.0	473.5	425.0	410.2
37.5°	15279.9	13074.0	6734.7	2945.7	1369.3	755.9	622.8	504.4	439.8	391.4	372.6
40°	16376.1	13838.0	6615.0	2804.4	1351.8	700.8	597.2	477.5	408.9	361.8	343.0
42.5°	17444.1	14526.6	6510.1	2699.5	1276.5	699.4	574.3	457.3	384.7	339.0	317.4
45°	18298.2	15168.2	6489.9	2636.3	1197.1	723.6	562.2	443.9	365.9	320.1	299.9
47.5°	19008.4	15865.0	6619.0	2591.9	1121.8	660.4	591.8	434.5	348.4	304.0	281.1
50°	19853.1	16720.4	6923.0	2519.3	1042.4	594.5	677.9	437.1	333.6	287.8	263.6
52.5°	21031.3	17904.1	7369.6	2396.9	933.5	534.0	667.1	439.8	317.4	270.4	246.1
55°	22352.2	19382.3	7849.8	2193.8	781.5	454.6	571.6	421.0	286.5	251.5	228.7
57.5°	23740.3	20723.3	8134.9	1951.7	621.4	392.8	457.3	383.3	252.9	226.0	211.2
60°	23958.2	21233.1	8004.4	1654.4	493.6	341.6	339.0	390.1	226.0	199.1	188.3
62.5°	23416.1	20592.8	7373.6	1389.4	412.9	299.9	278.4	340.3	204.4	177.5	166.8
65°	22373.7	18861.7	6351.4	1252.2	383.3	256.9	231.3	239.4	178.9	154.7	145.3
67.5°	20923.7	16550.9	5214.8	1174.2	379.3	220.6	197.7	181.6	154.7	134.5	126.4
70°	17959.2	13788.2	4160.3	1131.2	368.5	185.6	166.8	148.0	129.1	114.3	107.6
72.5°	13217.9	9770.5	3236.2	1084.1	371.2	148.0	145.3	122.4	103.6	88.8	86.1
75°	7637.2	5582.0	2122.5	878.3	353.8	114.3	121.1	86.1	72.6	61.9	61.9
77.5°	4070.1	3404.3	808.4	365.9	129.1	72.6	68.6	51.1	45.7	37.7	36.3
80°	1774.1	1498.4	243.5	102.2	71.3	39.0	25.6	22.9	20.2	16.1	14.8
82.5°	628.1	542.1	79.4	49.8	30.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	142.6	102.2	0.0	12.1	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°	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7
2.5°	8079.8	8050.2	7875.3	7882.0	7913.0	7957.4	7852.4	7900.9	8031.3	8156.4	8203.5
5°	6247.8	6254.5	6148.3	6214.2	6273.4	6313.7	6144.2	6146.9	6250.5	6391.7	6465.7
7.5°	4402.4	4391.6	4397.0	4554.4	4666.0	4585.3	4648.5	4429.3	4442.7	4543.6	4468.3
10°	3272.5	3124.6	3041.2	3159.5	3281.9	3237.6	3128.6	3057.3	3107.1	3218.7	3210.7
12.5°	2571.8	2359.2	2234.1	2149.4	2250.3	2166.9	2164.2	2102.3	2035.1	2047.2	2226.1
15°	1934.2	1779.5	1631.6	1495.7	1493.0	1464.8	1320.8	1159.4	1146.0	1154.1	1246.9
17.5°	1330.3	1277.8	1217.3	1100.3	1069.3	951.0	811.1	746.5	714.2	729.0	760.0
20°	934.8	914.6	921.4	858.1	813.8	700.8	618.7	593.2	587.8	602.6	617.4
22.5°	774.8	738.4	734.4	706.2	661.8	579.7	535.3	520.5	513.8	527.3	538.0
25°	677.9	641.6	626.8	609.3	562.2	505.7	478.8	465.4	458.7	466.7	473.5
27.5°	597.2	563.6	550.1	538.0	492.3	451.9	430.4	418.3	412.9	415.6	422.3
30°	536.7	507.1	489.6	474.8	435.8	407.6	388.7	376.6	371.2	371.2	378.0
32.5°	473.5	457.3	441.2	422.3	386.0	367.2	348.4	334.9	329.5	330.9	336.3
35°	394.1	388.7	392.8	375.3	344.3	328.2	309.4	294.6	290.5	291.9	297.3
37.5°	349.7	325.5	340.3	330.9	313.4	291.9	267.7	254.2	247.5	251.5	254.2
40°	321.5	291.9	281.1	290.5	287.8	252.9	231.3	217.9	212.5	213.9	216.6
42.5°	297.3	262.3	238.1	236.7	252.9	220.6	197.7	185.6	178.9	178.9	181.6
45°	274.4	236.7	207.1	184.3	212.5	187.0	165.4	154.7	146.6	146.6	148.0
47.5°	256.9	215.2	180.2	150.6	160.1	153.3	135.9	125.1	117.0	117.0	118.4
50°	240.8	193.7	156.0	126.4	119.7	126.4	110.3	98.2	92.8	91.5	94.2
52.5°	223.3	172.2	133.2	107.6	94.2	95.5	86.1	78.0	71.3	71.3	74.0
55°	205.8	154.7	115.7	91.5	78.0	71.3	68.6	63.2	57.8	57.8	60.5
57.5°	188.3	135.9	98.2	75.3	61.9	56.5	56.5	52.5	48.4	48.4	51.1
60°	172.2	117.0	80.7	61.9	48.4	47.1	48.4	44.4	41.7	41.7	44.4
62.5°	153.3	99.5	65.9	51.1	39.0	37.7	41.7	39.0	36.3	36.3	39.0
65°	130.5	84.7	52.5	39.0	29.6	29.6	35.0	32.3	29.6	29.6	32.3
67.5°	110.3	71.3	40.4	28.2	21.5	22.9	29.6	26.9	25.6	25.6	28.2
70°	91.5	55.1	28.2	17.5	12.1	17.5	22.9	22.9	22.9	22.9	25.6
72.5°	68.6	37.7	16.1	6.7	5.4	12.1	18.8	21.5	20.2	20.2	24.2
75°	44.4	21.5	5.4	0.0	0.0	6.7	14.8	17.5	17.5	16.1	20.2
77.5°	25.6	6.7	0.0	0.0	0.0	0.0	9.4	8.1	6.7	5.4	9.4
80°	6.7	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: P324082

CATALOG NUMBER: GAN-SA8B-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7	9525.7
2.5°	8393.2	8551.9	8775.2	9011.9	9376.4	9665.6	9949.4	10192.9	10287.0	10326.0
5°	6643.2	6875.9	7202.8	7622.4	8280.2	8872.0	9471.9	10075.8	10338.1	10404.0
7.5°	4766.9	5064.1	5479.8	6005.7	6776.4	7543.1	8381.1	9267.5	9673.7	9775.9
10°	3528.1	3891.3	4367.4	4921.6	5657.3	6445.5	7358.8	8371.6	8835.7	8971.5
12.5°	2503.2	2994.1	3631.7	4305.5	4943.1	5646.6	6570.6	7687.0	8173.9	8320.5
15°	1470.1	1945.0	2699.5	3602.1	4418.5	5131.4	6070.2	7335.9	7872.6	8020.6
17.5°	843.4	1080.1	1650.4	2656.5	3764.8	4752.1	5912.9	7423.4	8055.6	8192.7
20°	644.3	719.6	951.0	1710.9	3000.8	4379.5	5912.9	7918.4	8697.1	8898.9
22.5°	563.6	618.7	712.9	1020.9	2208.6	3980.0	5981.5	8633.9	9652.1	9875.4
25°	500.4	550.1	630.8	768.0	1506.5	3505.2	6144.2	9512.3	10776.6	11065.8
27.5°	447.9	495.0	567.6	672.5	1030.3	2932.2	6363.5	10542.6	12016.7	12248.1
30°	400.8	445.2	511.1	585.1	794.9	2282.6	6550.4	11513.7	12990.6	13239.4
32.5°	356.4	396.8	456.0	511.1	651.0	1688.0	6570.6	12283.1	13799.0	14046.4
35°	314.7	351.1	404.9	447.9	539.4	1333.0	6257.2	12950.2	14607.3	14934.2
37.5°	274.4	309.4	356.4	388.7	474.8	1086.8	5778.4	13694.0	15644.4	15947.0
40°	236.7	267.7	316.1	337.6	449.2	835.3	5257.8	14474.2	16661.2	16938.3
42.5°	201.8	231.3	278.4	320.1	394.1	624.1	4695.6	15205.9	17575.9	17866.4
45°	168.1	199.1	246.1	339.0	326.8	466.7	4094.4	15691.4	18298.2	18614.3
47.5°	135.9	170.8	235.4	322.8	260.9	343.0	3618.2	16151.5	18845.6	19157.7
50°	108.9	143.9	265.0	287.8	213.9	262.3	3419.1	16563.0	19204.7	19504.7
52.5°	88.8	121.1	250.2	220.6	178.9	216.6	3526.7	17230.2	19537.0	19725.3
55°	74.0	95.5	150.6	153.3	152.0	184.3	3659.9	18187.9	20396.5	20485.2
57.5°	64.6	76.7	104.9	118.4	127.8	164.1	3662.6	19562.5	21726.7	21781.9
60°	55.1	67.3	87.4	95.5	110.3	146.6	3529.4	20042.7	22250.0	22432.9
62.5°	48.4	59.2	72.6	79.4	92.8	131.8	3217.4	19347.3	21531.7	21842.4
65°	43.0	53.8	60.5	67.3	82.0	118.4	2703.6	17956.5	20340.0	20664.1
67.5°	37.7	47.1	53.8	60.5	74.0	104.9	1990.7	16341.1	18972.0	19241.1
70°	33.6	41.7	48.4	53.8	64.6	88.8	1207.9	13866.2	17080.9	17192.5
72.5°	32.3	37.7	44.4	48.4	56.5	78.0	612.0	10190.2	13655.0	13836.6
75°	28.2	33.6	40.4	43.0	49.8	67.3	248.8	6693.0	9895.6	10187.5
77.5°	22.9	30.9	36.3	39.0	43.0	55.1	126.4	4277.3	6944.5	7132.8
80°	8.1	22.9	30.9	32.3	36.3	40.4	83.4	2341.7	4028.4	4109.2
82.5°	0.0	14.8	24.2	22.9	25.6	30.9	53.8	1113.7	2659.2	2688.8
85°	0.0	6.7	18.8	14.8	10.8	21.5	18.8	243.5	1394.8	1452.7
87.5°	0.0	0.0	1.3	6.7	5.4	8.1	2.7	1.3	126.4	160.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)