

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: P324070

Luminaire Tested: **GAN-SA6A-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324070
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-SA6A-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 17280 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

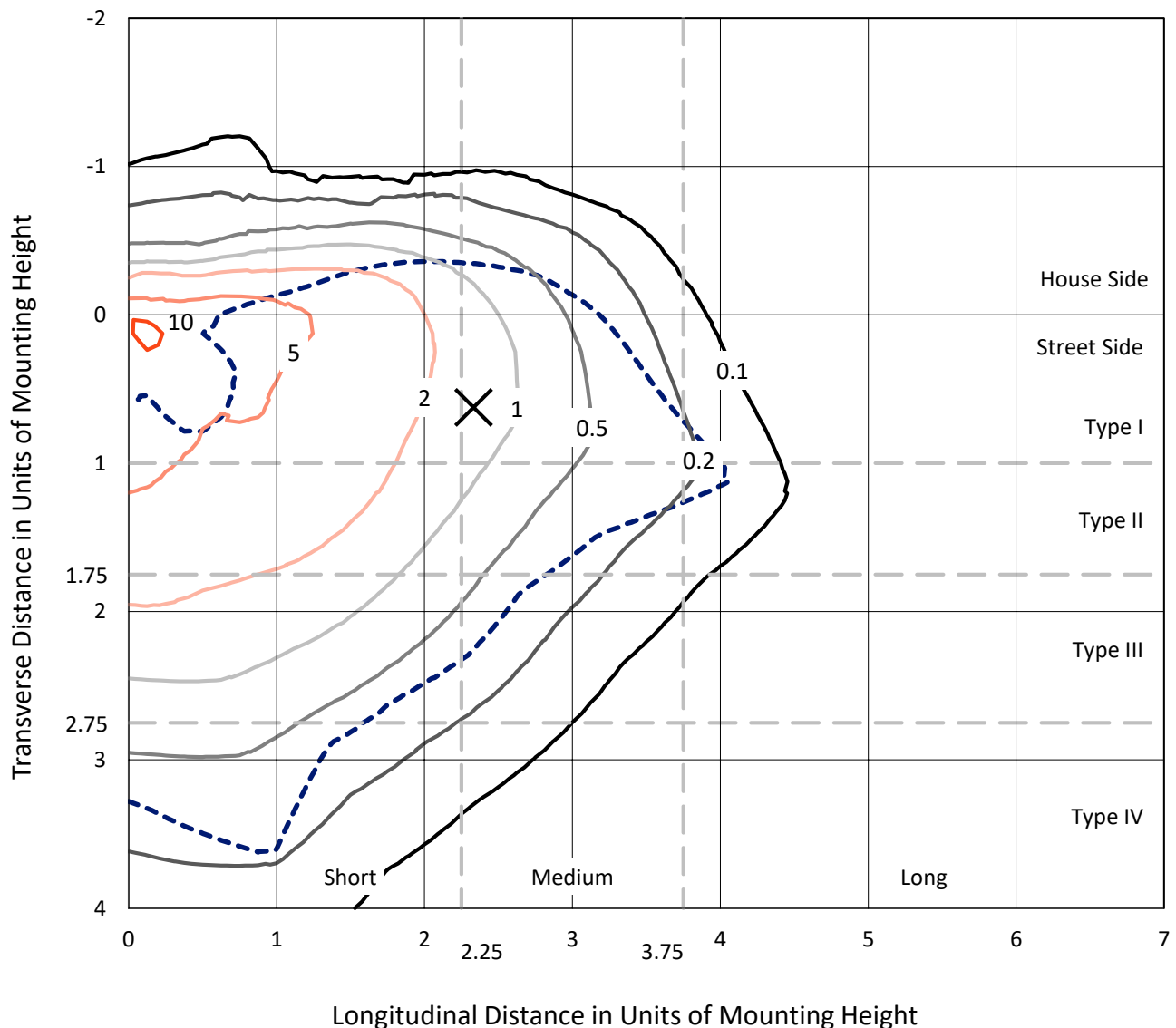
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

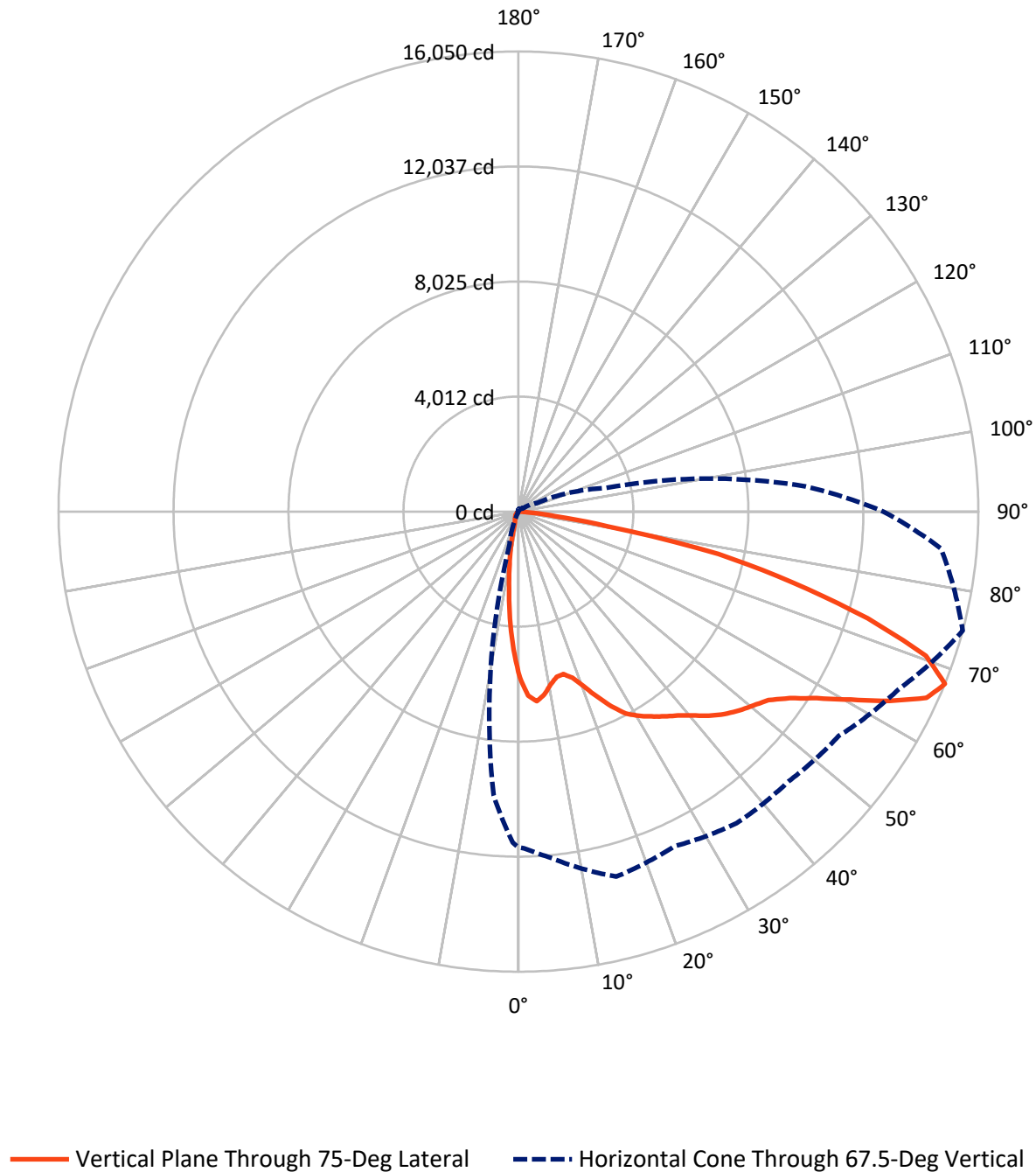
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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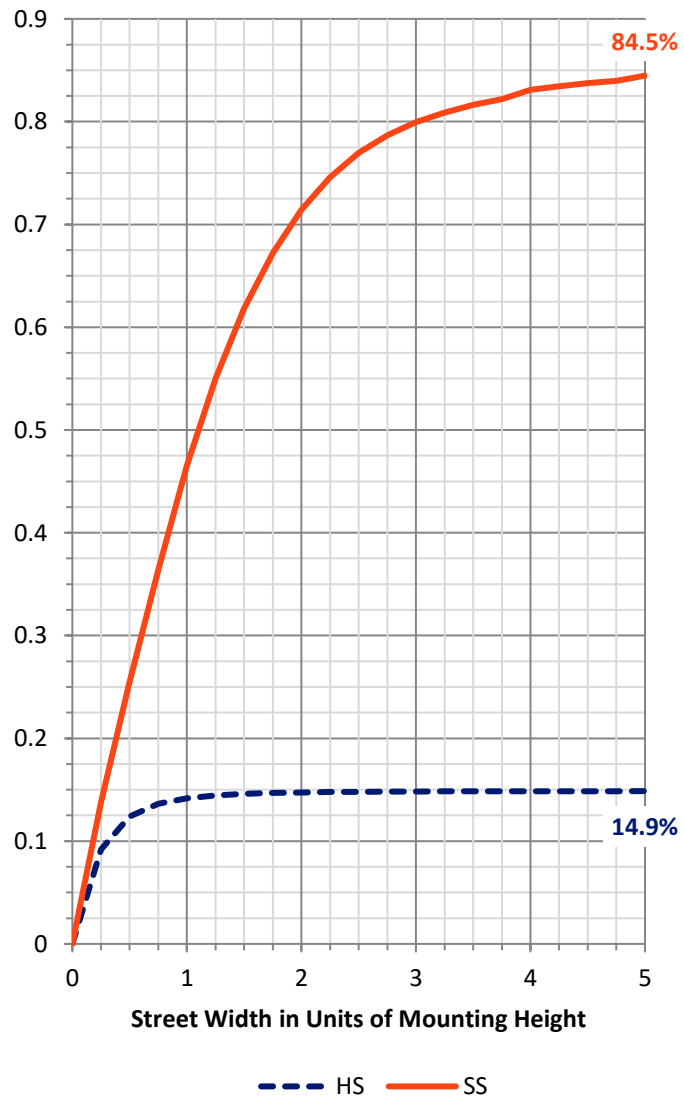
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2593.0	0.0	2593.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	14687.0	0.0	14687.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	17280.0	0.0	17280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.7	2.5
10°-20°	865.9	5.0
20°-30°	1224.9	7.1
30°-40°	1801.0	10.4
40°-50°	2588.6	15.0
50°-60°	3644.1	21.1
60°-70°	4256.0	24.6
70°-80°	2171.3	12.6
80°-90°	288.4	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°	17280.0	100.0
0°-180°	17280.0	100.0

Coefficient of Utilization



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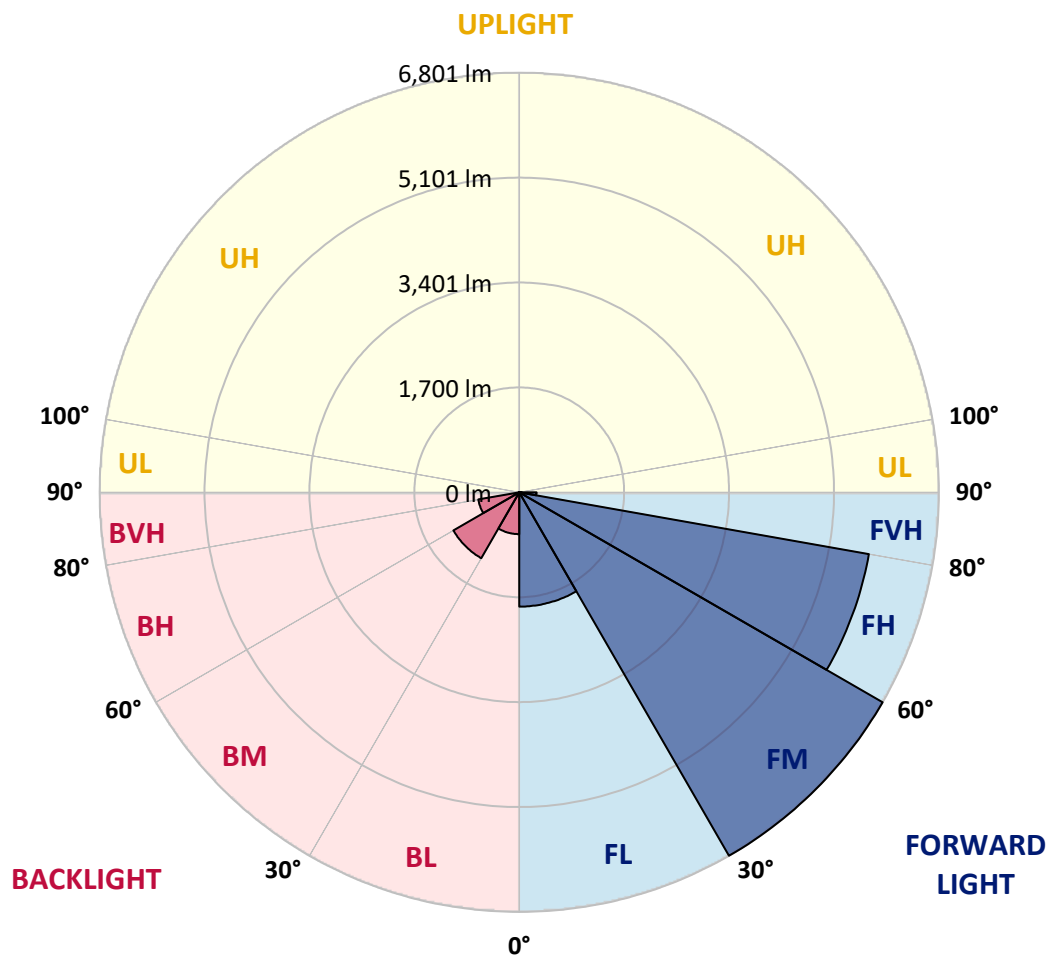
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1852.4	10.7			
FM	(30°-60°)	6801.1	39.4			
FH	(60°-80°)	5753.7	33.3			G3/7500
FVH	(80°-90°)	279.7	1.6			G3/500
BL	(0°-30°)	678.1	3.9	B2/1000		
BM	(30°-60°)	1232.7	7.1	B2/2500		
BH	(60°-80°)	673.5	3.9	B2/1000		G2/1000
BVH	(80°-90°)	8.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1
2.5°	6284.2	6294.0	6344.8	6462.6	6591.2	6601.0	6687.8	6598.5	6568.2	6424.2	6275.2
5°	6331.7	6369.3	6543.7	6889.9	7190.4	7287.0	7355.7	7180.5	6996.4	6644.4	6268.6
7.5°	5949.4	6012.4	6286.7	6936.6	7473.6	7711.0	7756.0	7481.8	7030.7	6451.2	5886.4
10°	5459.9	5531.9	5862.6	6661.6	7399.1	7805.9	7868.1	7508.8	6860.5	6138.5	5473.0
12.5°	5063.7	5148.0	5486.1	6352.1	7142.9	7593.1	7715.9	7417.9	6713.1	5916.7	5190.6
15°	4881.2	4977.8	5333.0	6152.4	6858.8	7213.3	7314.8	7186.3	6631.3	5881.5	5125.1
17.5°	4985.9	5090.7	5457.4	6169.6	6592.0	6743.4	6825.3	6877.7	6631.3	6093.5	5316.6
20°	5415.7	5528.7	5916.7	6344.0	6371.0	6314.5	6402.1	6586.3	6708.2	6496.2	5776.7
22.5°	6010.0	6142.6	6580.5	6642.7	6262.9	6049.3	6060.7	6349.7	6848.2	7007.0	6415.2
25°	6734.4	6896.5	7341.8	7088.0	6307.9	5891.3	5887.2	6154.9	6984.9	7518.6	7126.5
27.5°	7453.9	7632.4	8023.7	7631.6	6493.8	5862.6	5854.4	6095.9	7118.3	7973.7	7903.3
30°	8057.2	8230.8	8568.0	8025.3	6694.3	5929.8	5890.5	6159.0	7197.7	8269.2	8469.8
32.5°	8548.4	8687.5	8960.1	8296.3	6908.8	6059.9	5974.8	6327.6	7332.8	8518.9	8990.4
35°	9088.6	9235.2	9344.0	8554.1	7149.4	6247.4	6125.4	6595.3	7540.7	8772.7	9560.9
37.5°	9705.0	9850.7	9837.6	8789.9	7454.8	6557.6	6479.8	7019.3	7864.0	9024.0	10197.8
40°	10308.3	10457.3	10350.9	9047.7	7813.3	7069.2	7011.9	7656.1	8297.1	9345.7	10944.3
42.5°	10873.1	11034.4	10806.8	9291.6	8240.6	7714.2	7812.5	8476.3	8839.0	9741.9	11587.7
45°	11328.3	11492.8	11189.1	9529.0	8690.8	8496.8	8792.3	9385.0	9490.6	10076.7	12022.4
47.5°	11659.0	11814.5	11454.3	9766.4	9267.1	9453.7	9968.6	10337.8	10079.1	10367.2	12331.0
50°	11870.1	11991.3	11532.1	10063.6	10023.4	10570.3	11194.0	11374.1	10633.3	10629.2	12705.9
52.5°	12004.4	12059.2	11589.4	10373.8	10812.6	11785.8	12394.0	12450.5	11203.8	10917.3	13211.0
55°	12466.9	12511.1	11995.4	10749.5	11465.0	12850.8	13479.5	13427.1	11849.7	11481.3	13806.9
57.5°	13256.0	13302.7	12834.4	11289.8	11992.9	13508.9	14266.1	14360.3	12606.9	12273.7	14445.4
60°	13652.2	13739.0	13572.0	11974.1	12504.5	13929.7	14802.3	15102.7	13553.1	13318.2	15064.2
62.5°	13292.8	13418.9	13661.2	12732.9	13012.9	14161.3	14969.3	15368.7	14522.3	14535.4	15445.7
65°	12575.8	12676.4	13087.4	13148.8	13307.6	14132.7	14556.7	14997.1	15115.8	15653.6	15425.2
67.5°	11709.7	11747.4	12096.1	13181.5	12880.3	13271.5	13317.4	13643.2	14646.8	16049.8	14805.6
70°	10463.0	10483.5	10788.0	12085.4	11068.8	11154.7	11086.8	11153.1	12592.1	15084.7	13241.3
72.5°	8420.7	8472.2	8905.3	10036.5	8063.8	7815.7	8349.5	8320.0	9697.7	12744.4	9834.4
75°	6199.9	6289.1	6943.1	8084.2	5659.6	5119.4	5509.0	5613.0	6894.0	9858.1	6150.0
77.5°	4340.9	4407.2	5040.8	5942.9	4096.1	3660.7	3519.9	3643.5	4550.5	7131.4	3098.3
80°	2500.7	2525.3	2929.7	3431.5	2760.2	3158.1	2860.9	2946.0	2726.7	3172.8	1332.6
82.5°	1636.3	1640.4	1798.4	2042.3	1719.0	1997.3	1478.3	1890.1	1677.3	1274.5	433.8
85°	884.1	889.0	1042.9	1449.7	973.3	550.1	323.3	663.9	1037.1	292.2	118.7
87.5°	97.4	89.2	314.3	527.2	270.1	49.9	17.2	74.5	166.2	18.8	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1
2.5°	6199.1	6131.1	5961.7	5782.4	5638.3	5503.3	5367.4	5201.2	5072.7	5046.5	5003.9
5°	6066.5	5851.2	5495.9	5139.0	4851.7	4489.1	4259.0	4079.8	3904.6	3894.0	3858.8
7.5°	5603.1	5319.9	4819.8	4326.2	3921.8	3576.4	3227.6	2994.3	2811.0	2746.3	2707.8
10°	5157.8	4839.4	4214.8	3651.7	3290.7	2985.3	2739.8	2495.8	2274.8	2122.6	2053.8
12.5°	4846.8	4494.8	3806.4	3321.0	3062.3	2772.5	2472.9	2168.4	1913.8	1730.5	1618.3
15°	4726.4	4350.7	3669.7	3190.0	2870.7	2504.0	2120.9	1773.0	1490.6	1324.5	1223.8
17.5°	4869.7	4432.6	3659.0	3030.4	2584.2	2128.3	1705.1	1294.2	1028.1	902.1	837.4
20°	5233.1	4692.9	3654.9	2834.7	2243.7	1683.0	1155.0	851.3	690.1	619.7	589.4
22.5°	5747.2	5025.2	3687.7	2641.5	1889.3	1202.5	797.3	625.4	542.7	505.1	487.9
25°	6408.6	5491.8	3780.2	2466.4	1556.1	897.2	621.3	523.9	465.8	436.3	424.0
27.5°	7113.4	6028.8	3924.2	2314.1	1285.2	715.4	532.1	448.6	406.8	386.4	374.9
30°	7694.6	6650.9	4070.0	2144.7	1088.7	623.8	487.1	409.3	361.0	347.9	337.3
32.5°	8202.9	7121.6	4173.1	1991.6	960.2	554.2	440.4	365.9	333.2	307.8	296.3
35°	8729.3	7513.7	4169.8	1884.4	871.8	501.8	401.1	327.4	288.1	258.7	249.7
37.5°	9299.0	7956.5	4098.6	1792.7	833.3	460.0	379.0	307.0	267.7	238.2	226.7
40°	9966.1	8421.5	4025.7	1706.7	822.7	426.5	363.4	290.6	248.8	220.2	208.7
42.5°	10616.1	8840.6	3961.9	1642.9	776.8	425.7	349.5	278.3	234.1	206.3	193.2
45°	11135.9	9231.1	3949.6	1604.4	728.5	440.4	342.2	270.1	222.7	194.8	182.5
47.5°	11568.1	9655.1	4028.2	1577.4	682.7	401.9	360.2	264.4	212.0	185.0	171.1
50°	12082.2	10175.7	4213.2	1533.2	634.4	361.8	412.6	266.0	203.0	175.2	160.4
52.5°	12799.2	10896.0	4485.0	1458.7	568.1	325.0	406.0	267.7	193.2	164.5	149.8
55°	13603.1	11795.7	4777.2	1335.1	475.6	276.7	347.9	256.2	174.4	153.1	139.2
57.5°	14447.8	12611.8	4950.7	1187.8	378.2	239.0	278.3	233.3	153.9	137.5	128.5
60°	14580.4	12922.0	4871.3	1006.8	300.4	207.9	206.3	237.4	137.5	121.1	114.6
62.5°	14250.6	12532.4	4487.4	845.6	251.3	182.5	169.4	207.1	124.4	108.1	101.5
65°	13616.2	11478.9	3865.3	762.1	233.3	156.3	140.8	145.7	108.9	94.1	88.4
67.5°	12733.7	10072.6	3173.6	714.6	230.8	134.2	120.3	110.5	94.1	81.9	76.9
70°	10929.6	8391.2	2531.9	688.4	224.3	113.0	101.5	90.0	78.6	69.6	65.5
72.5°	8044.1	5946.1	1969.5	659.8	225.9	90.0	88.4	74.5	63.0	54.0	52.4
75°	4647.9	3397.1	1291.7	534.5	215.3	69.6	73.7	52.4	44.2	37.7	37.7
77.5°	2477.0	2071.8	492.0	222.7	78.6	44.2	41.7	31.1	27.8	22.9	22.1
80°	1079.7	911.9	148.2	62.2	43.4	23.7	15.6	13.9	12.3	9.8	9.0
82.5°	382.3	329.9	48.3	30.3	18.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	86.8	62.2	0.0	7.4	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°	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1
2.5°	4917.2	4899.2	4792.8	4796.8	4815.7	4842.7	4778.8	4808.3	4887.7	4963.8	4992.5
5°	3802.3	3806.4	3741.7	3781.8	3817.8	3842.4	3739.2	3740.9	3803.9	3889.9	3934.9
7.5°	2679.2	2672.6	2675.9	2771.7	2839.6	2790.5	2829.0	2695.6	2703.8	2765.1	2719.3
10°	1991.6	1901.5	1850.8	1922.8	1997.3	1970.3	1904.0	1860.6	1890.9	1958.8	1953.9
12.5°	1565.1	1435.8	1359.7	1308.1	1369.5	1318.7	1317.1	1279.4	1238.5	1245.9	1354.7
15°	1177.1	1083.0	992.9	910.3	908.6	891.4	803.8	705.6	697.4	702.3	758.8
17.5°	809.6	777.6	740.8	669.6	650.8	578.7	493.6	454.3	434.7	443.7	462.5
20°	568.9	556.6	560.7	522.3	495.2	426.5	376.5	361.0	357.7	366.7	375.7
22.5°	471.5	449.4	446.9	429.8	402.7	352.8	325.8	316.8	312.7	320.9	327.4
25°	412.6	390.5	381.5	370.8	342.2	307.8	291.4	283.2	279.1	284.0	288.1
27.5°	363.4	343.0	334.8	327.4	299.6	275.0	261.9	254.6	251.3	252.9	257.0
30°	326.6	308.6	298.0	289.0	265.2	248.0	236.6	229.2	225.9	225.9	230.0
32.5°	288.1	278.3	268.5	257.0	234.9	223.5	212.0	203.8	200.6	201.4	204.6
35°	239.8	236.6	239.0	228.4	209.6	199.7	188.3	179.3	176.8	177.6	180.9
37.5°	212.8	198.1	207.1	201.4	190.7	177.6	162.9	154.7	150.6	153.1	154.7
40°	195.6	177.6	171.1	176.8	175.2	153.9	140.8	132.6	129.3	130.2	131.8
42.5°	180.9	159.6	144.9	144.1	153.9	134.2	120.3	113.0	108.9	108.9	110.5
45°	167.0	144.1	126.1	112.1	129.3	113.8	100.7	94.1	89.2	89.2	90.0
47.5°	156.3	131.0	109.7	91.7	97.4	93.3	82.7	76.1	71.2	71.2	72.0
50°	146.5	117.9	95.0	76.9	72.9	76.9	67.1	59.8	56.5	55.7	57.3
52.5°	135.9	104.8	81.0	65.5	57.3	58.1	52.4	47.5	43.4	43.4	45.0
55°	125.2	94.1	70.4	55.7	47.5	43.4	41.7	38.5	35.2	35.2	36.8
57.5°	114.6	82.7	59.8	45.8	37.7	34.4	34.4	31.9	29.5	29.5	31.1
60°	104.8	71.2	49.1	37.7	29.5	28.7	29.5	27.0	25.4	25.4	27.0
62.5°	93.3	60.6	40.1	31.1	23.7	22.9	25.4	23.7	22.1	22.1	23.7
65°	79.4	51.6	31.9	23.7	18.0	18.0	21.3	19.6	18.0	18.0	19.6
67.5°	67.1	43.4	24.6	17.2	13.1	13.9	18.0	16.4	15.6	15.6	17.2
70°	55.7	33.6	17.2	10.6	7.4	10.6	13.9	13.9	13.9	13.9	15.6
72.5°	41.7	22.9	9.8	4.1	3.3	7.4	11.5	13.1	12.3	12.3	14.7
75°	27.0	13.1	3.3	0.0	0.0	4.1	9.0	10.6	10.6	9.8	12.3
77.5°	15.6	4.1	0.0	0.0	0.0	0.0	5.7	4.9	4.1	3.3	5.7
80°	4.1	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: P324070

CATALOG NUMBER: GAN-SA6A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1	5797.1
2.5°	5107.9	5204.5	5340.4	5484.4	5706.3	5882.3	6055.0	6203.2	6260.5	6284.2
5°	4042.9	4184.6	4383.5	4638.9	5039.1	5399.3	5764.4	6131.9	6291.6	6331.7
7.5°	2901.0	3081.9	3334.9	3654.9	4124.0	4590.6	5100.5	5640.0	5887.2	5949.4
10°	2147.1	2368.1	2657.9	2995.2	3442.9	3922.6	4478.4	5094.8	5377.2	5459.9
12.5°	1523.4	1822.1	2210.2	2620.3	3008.3	3436.4	3998.7	4678.2	4974.5	5063.7
15°	894.7	1183.7	1642.9	2192.1	2689.0	3122.9	3694.2	4464.5	4791.1	4881.2
17.5°	513.2	657.3	1004.4	1616.7	2291.2	2892.0	3598.5	4517.7	4902.4	4985.9
20°	392.1	437.9	578.7	1041.2	1826.2	2665.3	3598.5	4818.9	5292.9	5415.7
22.5°	343.0	376.5	433.8	621.3	1344.1	2422.2	3640.2	5254.4	5874.1	6010.0
25°	304.5	334.8	383.9	467.4	916.8	2133.2	3739.2	5789.0	6558.4	6734.4
27.5°	272.6	301.2	345.4	409.3	627.0	1784.5	3872.7	6416.0	7313.1	7453.9
30°	243.9	270.9	311.1	356.1	483.8	1389.1	3986.5	7007.0	7905.8	8057.2
32.5°	216.9	241.5	277.5	311.1	396.2	1027.3	3998.7	7475.2	8397.8	8548.4
35°	191.5	213.6	246.4	272.6	328.2	811.2	3808.0	7881.2	8889.7	9088.6
37.5°	167.0	188.3	216.9	236.6	289.0	661.4	3516.6	8333.9	9520.8	9705.0
40°	144.1	162.9	192.4	205.5	273.4	508.3	3199.8	8808.7	10139.7	10308.3
42.5°	122.8	140.8	169.4	194.8	239.8	379.8	2857.6	9254.0	10696.3	10873.1
45°	102.3	121.1	149.8	206.3	198.9	284.0	2491.7	9549.5	11135.9	11328.3
47.5°	82.7	104.0	143.3	196.5	158.8	208.7	2202.0	9829.4	11469.0	11659.0
50°	66.3	87.6	161.3	175.2	130.2	159.6	2080.8	10079.9	11687.6	11870.1
52.5°	54.0	73.7	152.3	134.2	108.9	131.8	2146.3	10485.9	11889.8	12004.4
55°	45.0	58.1	91.7	93.3	92.5	112.1	2227.3	11068.8	12412.9	12466.9
57.5°	39.3	46.7	63.8	72.0	77.8	99.9	2229.0	11905.3	13222.4	13256.0
60°	33.6	40.9	53.2	58.1	67.1	89.2	2147.9	12197.6	13540.9	13652.2
62.5°	29.5	36.0	44.2	48.3	56.5	80.2	1958.0	11774.4	13103.7	13292.8
65°	26.2	32.7	36.8	40.9	49.9	72.0	1645.3	10928.0	12378.5	12575.8
67.5°	22.9	28.7	32.7	36.8	45.0	63.8	1211.5	9944.9	11546.0	11709.7
70°	20.5	25.4	29.5	32.7	39.3	54.0	735.1	8438.7	10395.1	10463.0
72.5°	19.6	22.9	27.0	29.5	34.4	47.5	372.5	6201.5	8310.2	8420.7
75°	17.2	20.5	24.6	26.2	30.3	40.9	151.4	4073.2	6022.3	6199.9
77.5°	13.9	18.8	22.1	23.7	26.2	33.6	76.9	2603.1	4226.3	4340.9
80°	4.9	13.9	18.8	19.6	22.1	24.6	50.8	1425.1	2451.6	2500.7
82.5°	0.0	9.0	14.7	13.9	15.6	18.8	32.7	677.8	1618.3	1636.3
85°	0.0	4.1	11.5	9.0	6.5	13.1	11.5	148.2	848.9	884.1
87.5°	0.0	0.0	0.8	4.1	3.3	4.9	1.6	0.8	76.9	97.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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