

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: P324090

Luminaire Tested: **GAN-SA6C-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324090
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-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 26226 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

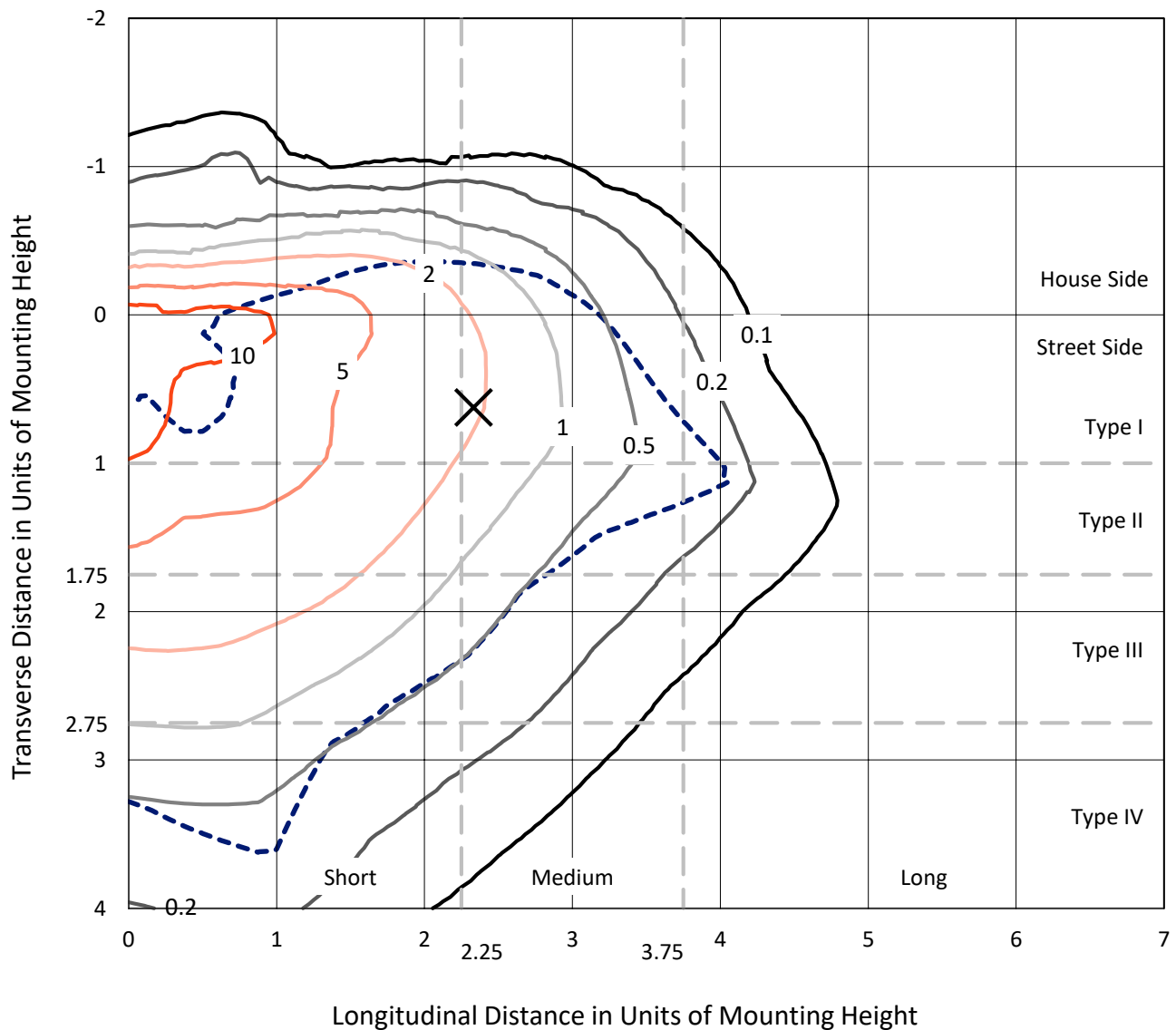
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

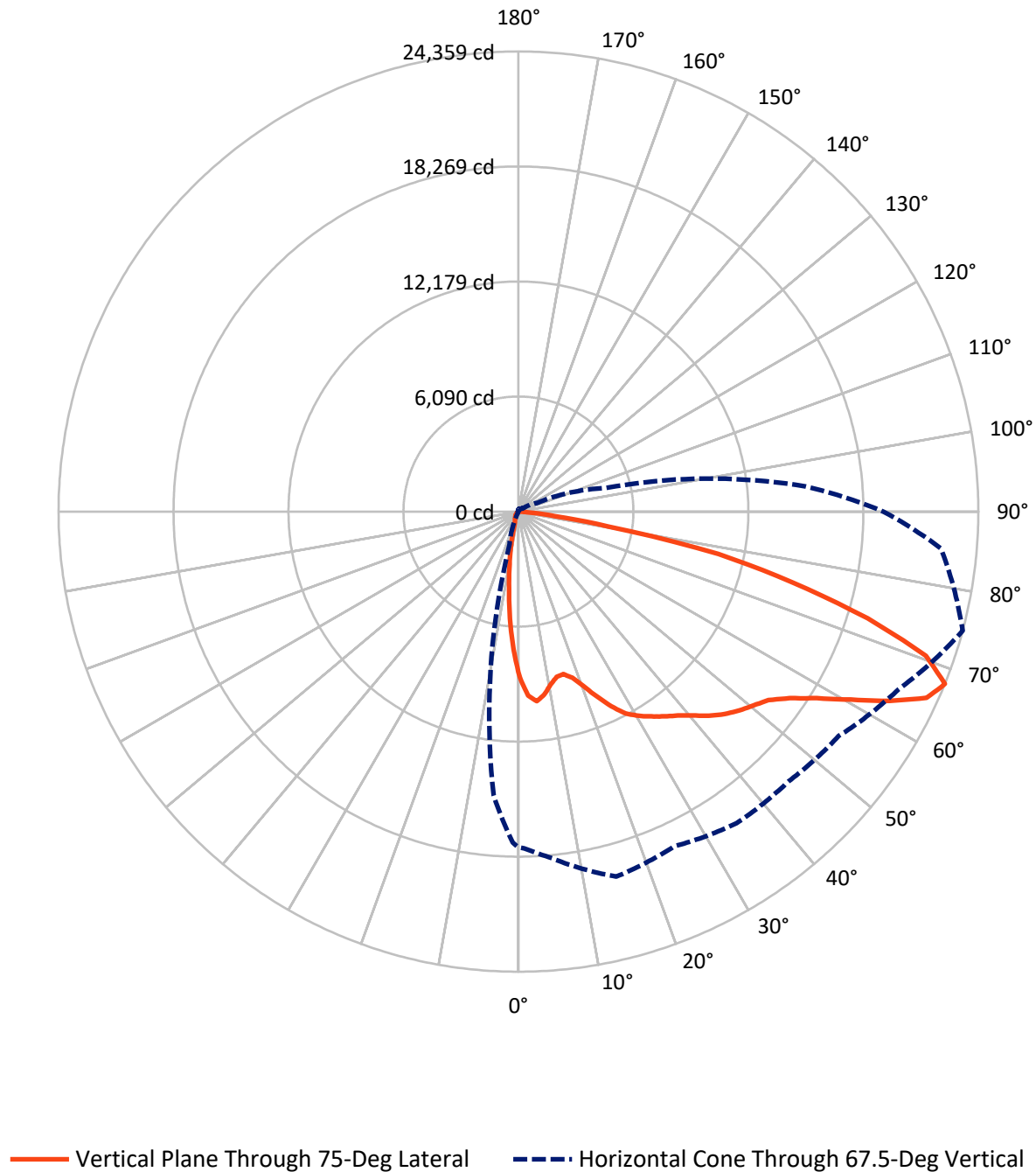
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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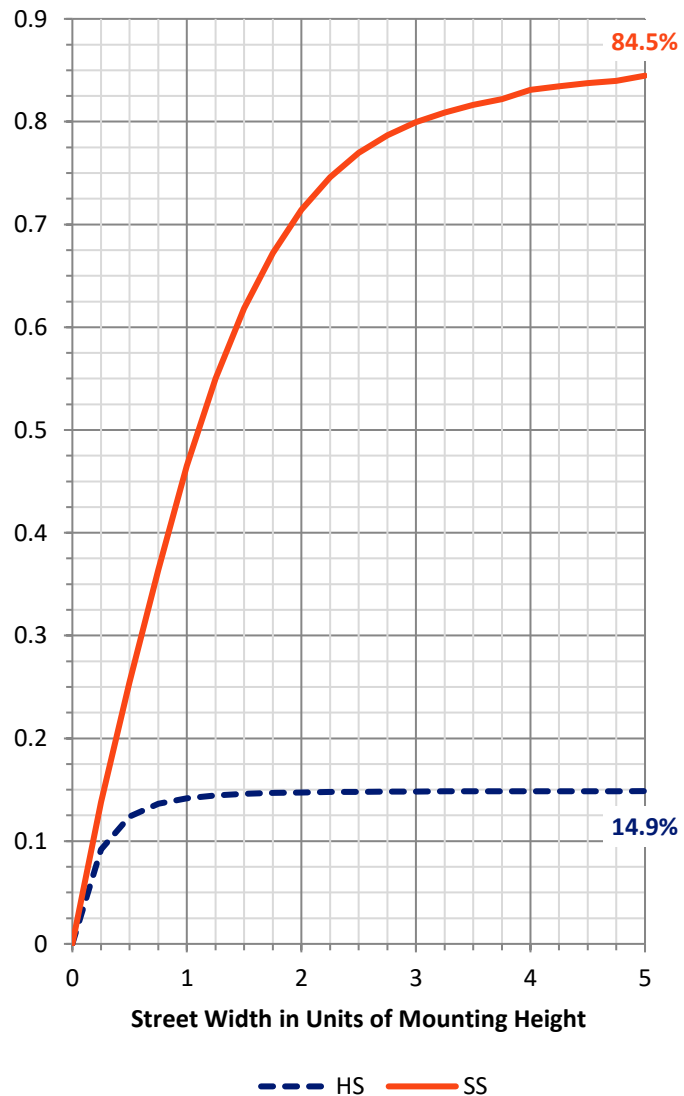
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3935.5	0.0	3935.5
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	22290.5	0.0	22290.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	26226.0	0.0	26226.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.4	2.5
10°-20°	1314.1	5.0
20°-30°	1859.1	7.1
30°-40°	2733.4	10.4
40°-50°	3928.8	15.0
50°-60°	5530.7	21.1
60°-70°	6459.4	24.6
70°-80°	3295.4	12.6
80°-90°	437.8	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°	26226.0	100.0
0°-180°	26226.0	100.0

Coefficient of Utilization



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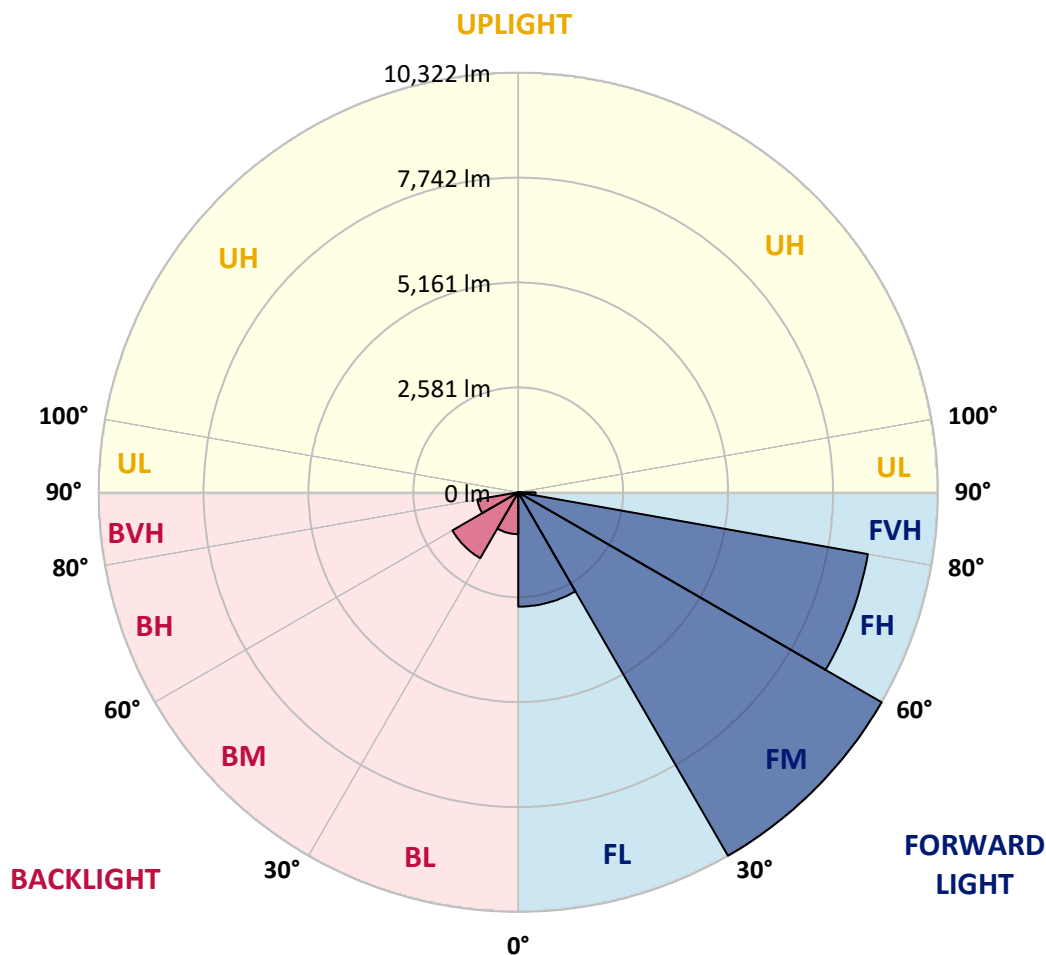
CATALOG NUMBER: GAN-SA6C-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2811.4	10.7			
FM	(30°-60°)	10322.1	39.4			
FH	(60°-80°)	8732.5	33.3			G4/12000
FVH	(80°-90°)	424.5	1.6			G3/500
BL	(0°-30°)	1029.2	3.9	B3/2500		
BM	(30°-60°)	1870.8	7.1	B2/2500		
BH	(60°-80°)	1022.2	3.9	B3/2500		G3/2500
BVH	(80°-90°)	13.3	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°	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4
2.5°	9537.6	9552.5	9629.5	9808.4	10003.5	10018.4	10150.1	10014.6	9968.7	9750.0	9523.9
5°	9609.6	9666.8	9931.4	10456.9	10912.9	11059.5	11163.8	10898.0	10618.4	10084.2	9514.0
7.5°	9029.5	9125.1	9541.3	10527.7	11342.7	11703.0	11771.3	11355.1	10670.6	9791.0	8933.8
10°	8286.5	8395.9	8897.8	10110.3	11229.7	11847.1	11941.5	11396.1	10412.2	9316.4	8306.4
12.5°	7685.2	7813.2	8326.3	9640.7	10840.8	11524.1	11710.5	11258.2	10188.6	8979.8	7877.8
15°	7408.2	7554.8	8094.0	9337.6	10409.7	10947.7	11101.7	10906.7	10064.3	8926.3	7778.4
17.5°	7567.2	7726.2	8282.8	9363.6	10004.7	10234.5	10358.8	10438.3	10064.3	9248.1	8069.1
20°	8219.4	8390.9	8979.8	9628.3	9669.3	9583.5	9716.5	9996.0	10181.1	9859.3	8767.3
22.5°	9121.4	9322.6	9987.3	10081.7	9505.3	9181.0	9198.4	9637.0	10393.6	10634.6	9736.4
25°	10220.9	10466.9	11142.7	10757.6	9573.6	8941.2	8935.0	9341.3	10601.0	11411.1	10816.0
27.5°	11312.9	11583.7	12177.6	11582.5	9855.6	8897.8	8885.3	9251.8	10803.5	12101.8	11995.0
30°	12228.5	12491.9	13003.8	12180.1	10160.0	8999.6	8940.0	9347.5	10924.0	12550.3	12854.7
32.5°	12973.9	13185.1	13598.8	12591.3	10485.5	9197.2	9068.0	9603.4	11129.0	12929.2	13644.8
35°	13793.9	14016.3	14181.5	12982.6	10850.7	9481.7	9296.6	10009.7	11444.6	13314.3	14510.7
37.5°	14729.4	14950.5	14930.7	13340.4	11314.1	9952.5	9834.5	10653.2	11935.3	13695.7	15477.3
40°	15645.0	15871.1	15709.6	13731.8	11858.3	10729.0	10642.0	11619.8	12592.5	14184.0	16610.3
42.5°	16502.2	16747.0	16401.6	14102.0	12506.8	11708.0	11857.1	12864.6	13415.0	14785.3	17586.8
45°	17193.0	17442.7	16981.8	14462.3	13190.1	12895.7	13344.2	14243.6	14403.9	15293.4	18246.5
47.5°	17694.9	17930.9	17384.3	14822.6	14064.7	14348.0	15129.4	15689.7	15297.1	15734.5	18714.9
50°	18015.4	18199.3	17502.3	15273.5	15212.7	16042.6	16989.2	17262.6	16138.2	16132.0	19283.9
52.5°	18219.2	18302.4	17589.3	15744.4	16410.3	17887.5	18810.5	18896.3	17004.1	16569.3	20050.4
55°	18921.1	18988.2	18205.5	16314.6	17400.5	19503.8	20457.9	20378.4	17984.4	17425.3	20954.8
57.5°	20118.7	20189.5	19478.9	17134.6	18201.8	20502.6	21651.8	21794.7	19133.5	18627.9	21923.9
60°	20720.0	20851.7	20598.3	18173.2	18978.3	21141.2	22465.5	22921.5	20569.7	20213.2	22863.1
62.5°	20174.6	20366.0	20733.7	19324.9	19749.8	21492.8	22719.0	23325.3	22040.7	22060.5	23442.0
65°	19086.3	19239.1	19862.8	19956.0	20197.0	21449.3	22092.8	22761.2	22941.4	23757.6	23411.0
67.5°	17771.9	17829.1	18358.3	20005.7	19548.5	20142.3	20211.9	20706.4	22229.5	24358.9	22470.5
70°	15879.8	15910.9	16373.0	18342.2	16799.2	16929.6	16826.5	16927.1	19111.2	22894.2	20096.4
72.5°	12780.1	12858.4	13515.6	15232.5	12238.5	11862.0	12672.0	12627.3	14718.2	19342.3	14925.7
75°	9409.6	9545.0	10537.7	12269.5	8589.7	7769.7	8361.1	8518.8	10463.1	14961.7	9333.8
77.5°	6588.2	6688.9	7650.4	9019.5	6216.8	5555.8	5342.1	5529.7	6906.3	10823.4	4702.3
80°	3795.4	3832.7	4446.4	5208.0	4189.2	4793.0	4342.0	4471.2	4138.3	4815.4	2022.6
82.5°	2483.5	2489.7	2729.5	3099.7	2609.0	3031.4	2243.7	2868.6	2545.6	1934.4	658.4
85°	1341.7	1349.2	1582.8	2200.2	1477.2	834.9	490.7	1007.6	1574.1	443.5	180.1
87.5°	147.8	135.4	477.1	800.1	410.0	75.8	26.1	113.1	252.2	28.6	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°	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4
2.5°	9408.4	9305.3	9048.1	8776.0	8557.4	8352.4	8146.1	7893.9	7698.9	7659.1	7594.5
5°	9207.1	8880.4	8341.2	7799.5	7363.5	6813.1	6464.0	6191.9	5926.0	5909.9	5856.5
7.5°	8503.9	8074.1	7315.0	6565.9	5952.1	5427.9	4898.6	4544.5	4266.3	4168.1	4109.7
10°	7828.1	7344.8	6396.9	5542.2	4994.3	4530.9	4158.2	3787.9	3452.5	3221.4	3117.1
12.5°	7356.0	6821.8	5777.0	5040.2	4647.7	4207.9	3753.2	3291.0	2904.6	2626.3	2456.1
15°	7173.4	6603.1	5569.5	4841.5	4356.9	3800.4	3218.9	2690.9	2262.3	2010.1	1857.3
17.5°	7390.8	6727.4	5553.3	4599.2	3922.1	3230.1	2587.8	1964.2	1560.4	1369.1	1270.9
20°	7942.4	7122.4	5547.1	4302.3	3405.3	2554.3	1753.0	1292.1	1047.3	940.5	894.5
22.5°	8722.6	7626.8	5596.8	4009.1	2867.4	1825.0	1210.1	949.2	823.7	766.5	740.4
25°	9726.4	8335.0	5737.2	3743.2	2361.7	1361.6	942.9	795.1	706.9	662.2	643.5
27.5°	10796.1	9150.0	5955.9	3512.1	1950.5	1085.8	807.5	680.8	617.5	586.4	569.0
30°	11678.2	10094.2	6177.0	3255.0	1652.3	946.7	739.2	621.2	547.9	528.0	511.9
32.5°	12449.7	10808.5	6333.5	3022.7	1457.3	841.1	668.4	555.3	505.6	467.1	449.7
35°	13248.5	11403.6	6328.6	2859.9	1323.1	761.6	608.8	496.9	437.3	392.6	378.9
37.5°	14113.2	12075.7	6220.5	2720.8	1264.7	698.2	575.2	465.9	406.3	361.5	344.1
40°	15125.7	12781.4	6109.9	2590.3	1248.6	647.3	551.6	441.0	377.7	334.2	316.8
42.5°	16112.1	13417.5	6013.0	2493.4	1179.0	646.0	530.5	422.4	355.3	313.1	293.2
45°	16901.0	14010.1	5994.4	2435.0	1105.7	668.4	519.3	410.0	337.9	295.7	277.0
47.5°	17557.0	14653.6	6113.6	2394.0	1036.1	610.0	546.6	401.3	321.8	280.8	259.7
50°	18337.2	15443.7	6394.4	2326.9	962.8	549.1	626.1	403.8	308.1	265.9	243.5
52.5°	19425.5	16537.0	6806.9	2213.9	862.2	493.2	616.2	406.3	293.2	249.7	227.4
55°	20645.5	17902.4	7250.4	2026.3	721.8	419.9	528.0	388.9	264.6	232.3	211.2
57.5°	21927.6	19141.0	7513.8	1802.7	574.0	362.8	422.4	354.1	233.6	208.7	195.1
60°	22128.9	19611.9	7393.3	1528.1	455.9	315.6	313.1	360.3	208.7	183.9	173.9
62.5°	21628.2	19020.5	6810.6	1283.4	381.4	277.0	257.2	314.3	188.8	164.0	154.1
65°	20665.4	17421.6	5866.4	1156.6	354.1	237.3	213.7	221.1	165.2	142.9	134.2
67.5°	19326.1	15287.2	4816.6	1084.6	350.3	203.7	182.6	167.7	142.9	124.2	116.8
70°	16588.0	12735.4	3842.6	1044.8	340.4	171.4	154.1	136.7	119.3	105.6	99.4
72.5°	12208.6	9024.5	2989.1	1001.3	342.9	136.7	134.2	113.1	95.7	82.0	79.5
75°	7054.1	5155.8	1960.4	811.3	326.7	105.6	111.8	79.5	67.1	57.1	57.1
77.5°	3759.4	3144.4	746.7	337.9	119.3	67.1	63.4	47.2	42.2	34.8	33.5
80°	1638.7	1384.0	224.9	94.4	65.8	36.0	23.6	21.1	18.6	14.9	13.7
82.5°	580.2	500.7	73.3	46.0	28.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	131.7	94.4	0.0	11.2	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°	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4
2.5°	7462.8	7435.5	7274.0	7280.2	7308.8	7349.8	7252.9	7297.6	7418.1	7533.7	7577.1
5°	5770.7	5777.0	5678.8	5739.7	5794.4	5831.6	5675.1	5677.6	5773.2	5903.7	5972.0
7.5°	4066.2	4056.3	4061.3	4206.6	4309.7	4235.2	4293.6	4091.1	4103.5	4196.7	4127.1
10°	3022.7	2886.0	2809.0	2918.3	3031.4	2990.4	2889.7	2823.9	2869.8	2973.0	2965.5
12.5°	2375.4	2179.1	2063.6	1985.3	2078.5	2001.4	1999.0	1941.8	1879.7	1890.9	2056.1
15°	1786.5	1643.6	1507.0	1381.5	1379.0	1352.9	1220.0	1070.9	1058.5	1065.9	1151.7
17.5°	1228.7	1180.2	1124.3	1016.2	987.7	878.3	749.1	689.5	659.7	673.4	701.9
20°	863.4	844.8	851.0	792.6	751.6	647.3	571.5	547.9	542.9	556.6	570.2
22.5°	715.6	682.1	678.3	652.2	611.2	535.5	494.5	480.8	474.6	487.0	496.9
25°	626.1	592.6	578.9	562.8	519.3	467.1	442.3	429.9	423.6	431.1	437.3
27.5°	551.6	520.5	508.1	496.9	454.7	417.4	397.6	386.4	381.4	383.9	390.1
30°	495.7	468.4	452.2	438.6	402.5	376.4	359.0	347.9	342.9	342.9	349.1
32.5°	437.3	422.4	407.5	390.1	356.6	339.2	321.8	309.3	304.4	305.6	310.6
35°	364.0	359.0	362.8	346.6	318.0	303.1	285.7	272.1	268.3	269.6	274.6
37.5°	323.0	300.7	314.3	305.6	289.5	269.6	247.2	234.8	228.6	232.3	234.8
40°	296.9	269.6	259.7	268.3	265.9	233.6	213.7	201.3	196.3	197.5	200.0
42.5°	274.6	242.3	219.9	218.7	233.6	203.7	182.6	171.4	165.2	165.2	167.7
45°	253.4	218.7	191.3	170.2	196.3	172.7	152.8	142.9	135.4	135.4	136.7
47.5°	237.3	198.8	166.5	139.1	147.8	141.6	125.5	115.5	108.1	108.1	109.3
50°	222.4	178.9	144.1	116.8	110.6	116.8	101.9	90.7	85.7	84.5	87.0
52.5°	206.2	159.0	123.0	99.4	87.0	88.2	79.5	72.1	65.8	65.8	68.3
55°	190.1	142.9	106.8	84.5	72.1	65.8	63.4	58.4	53.4	53.4	55.9
57.5°	173.9	125.5	90.7	69.6	57.1	52.2	52.2	48.5	44.7	44.7	47.2
60°	159.0	108.1	74.5	57.1	44.7	43.5	44.7	41.0	38.5	38.5	41.0
62.5°	141.6	91.9	60.9	47.2	36.0	34.8	38.5	36.0	33.5	33.5	36.0
65°	120.5	78.3	48.5	36.0	27.3	27.3	32.3	29.8	27.3	27.3	29.8
67.5°	101.9	65.8	37.3	26.1	19.9	21.1	27.3	24.8	23.6	23.6	26.1
70°	84.5	50.9	26.1	16.2	11.2	16.2	21.1	21.1	21.1	21.1	23.6
72.5°	63.4	34.8	14.9	6.2	5.0	11.2	17.4	19.9	18.6	18.6	22.4
75°	41.0	19.9	5.0	0.0	0.0	6.2	13.7	16.2	16.2	14.9	18.6
77.5°	23.6	6.2	0.0	0.0	0.0	0.0	8.7	7.5	6.2	5.0	8.7
80°	6.2	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: P324090

CATALOG NUMBER: GAN-SA6C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4	8798.4
2.5°	7752.3	7898.9	8105.1	8323.8	8660.5	8927.6	9189.7	9414.6	9501.5	9537.6
5°	6136.0	6350.9	6652.8	7040.4	7648.0	8194.6	8748.7	9306.5	9548.8	9609.6
7.5°	4402.9	4677.5	5061.4	5547.1	6259.0	6967.1	7741.1	8559.8	8935.0	9029.5
10°	3258.7	3594.1	4033.9	4545.8	5225.4	5953.4	6796.9	7732.4	8161.0	8286.5
12.5°	2312.0	2765.5	3354.4	3976.8	4565.7	5215.4	6068.9	7100.1	7549.8	7685.2
15°	1357.9	1796.4	2493.4	3327.0	4081.1	4739.6	5606.8	6775.8	7271.5	7408.2
17.5°	779.0	997.6	1524.4	2453.7	3477.4	4389.2	5461.4	6856.6	7440.5	7567.2
20°	595.1	664.7	878.3	1580.3	2771.7	4045.1	5461.4	7313.8	8033.1	8219.4
22.5°	520.5	571.5	658.4	942.9	2040.0	3676.1	5524.8	7974.7	8915.2	9121.4
25°	462.2	508.1	582.7	709.4	1391.4	3237.6	5675.1	8786.0	9953.8	10220.9
27.5°	413.7	457.2	524.3	621.2	951.6	2708.3	5877.6	9737.6	11099.2	11312.9
30°	370.2	411.2	472.1	540.4	734.2	2108.3	6050.3	10634.6	11998.7	12228.5
32.5°	329.2	366.5	421.2	472.1	601.3	1559.2	6068.9	11345.2	12745.3	12973.9
35°	290.7	324.3	373.9	413.7	498.2	1231.2	5779.4	11961.4	13492.0	13793.9
37.5°	253.4	285.7	329.2	359.0	438.6	1003.8	5337.2	12648.4	14449.9	14729.4
40°	218.7	247.2	292.0	311.8	414.9	771.5	4856.4	13369.0	15389.1	15645.0
42.5°	186.4	213.7	257.2	295.7	364.0	576.5	4337.1	14044.8	16233.9	16502.2
45°	155.3	183.9	227.4	313.1	301.9	431.1	3781.7	14493.3	16901.0	17193.0
47.5°	125.5	157.8	217.4	298.2	241.0	316.8	3341.9	14918.2	17406.7	17694.9
50°	100.6	132.9	244.7	265.9	197.5	242.3	3158.1	15298.4	17738.4	18015.4
52.5°	82.0	111.8	231.1	203.7	165.2	200.0	3257.5	15914.6	18045.2	18219.2
55°	68.3	88.2	139.1	141.6	140.4	170.2	3380.5	16799.2	18839.1	18921.1
57.5°	59.6	70.8	96.9	109.3	118.0	151.6	3382.9	18068.8	20067.8	20118.7
60°	50.9	62.1	80.8	88.2	101.9	135.4	3259.9	18512.4	20551.1	20720.0
62.5°	44.7	54.7	67.1	73.3	85.7	121.8	2971.7	17870.1	19887.7	20174.6
65°	39.8	49.7	55.9	62.1	75.8	109.3	2497.1	16585.5	18786.9	19086.3
67.5°	34.8	43.5	49.7	55.9	68.3	96.9	1838.7	15093.4	17523.4	17771.9
70°	31.1	38.5	44.7	49.7	59.6	82.0	1115.6	12807.5	15776.7	15879.8
72.5°	29.8	34.8	41.0	44.7	52.2	72.1	565.3	9412.1	12612.4	12780.1
75°	26.1	31.1	37.3	39.8	46.0	62.1	229.8	6182.0	9140.0	9409.6
77.5°	21.1	28.6	33.5	36.0	39.8	50.9	116.8	3950.7	6414.3	6588.2
80°	7.5	21.1	28.6	29.8	33.5	37.3	77.0	2162.9	3720.9	3795.4
82.5°	0.0	13.7	22.4	21.1	23.6	28.6	49.7	1028.7	2456.1	2483.5
85°	0.0	6.2	17.4	13.7	9.9	19.9	17.4	224.9	1288.3	1341.7
87.5°	0.0	0.0	1.2	6.2	5.0	7.5	2.5	1.2	116.8	147.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)