

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: P324100

Luminaire Tested: **GAN-SA6D-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324100
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-SA6D-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA 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: 28771 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

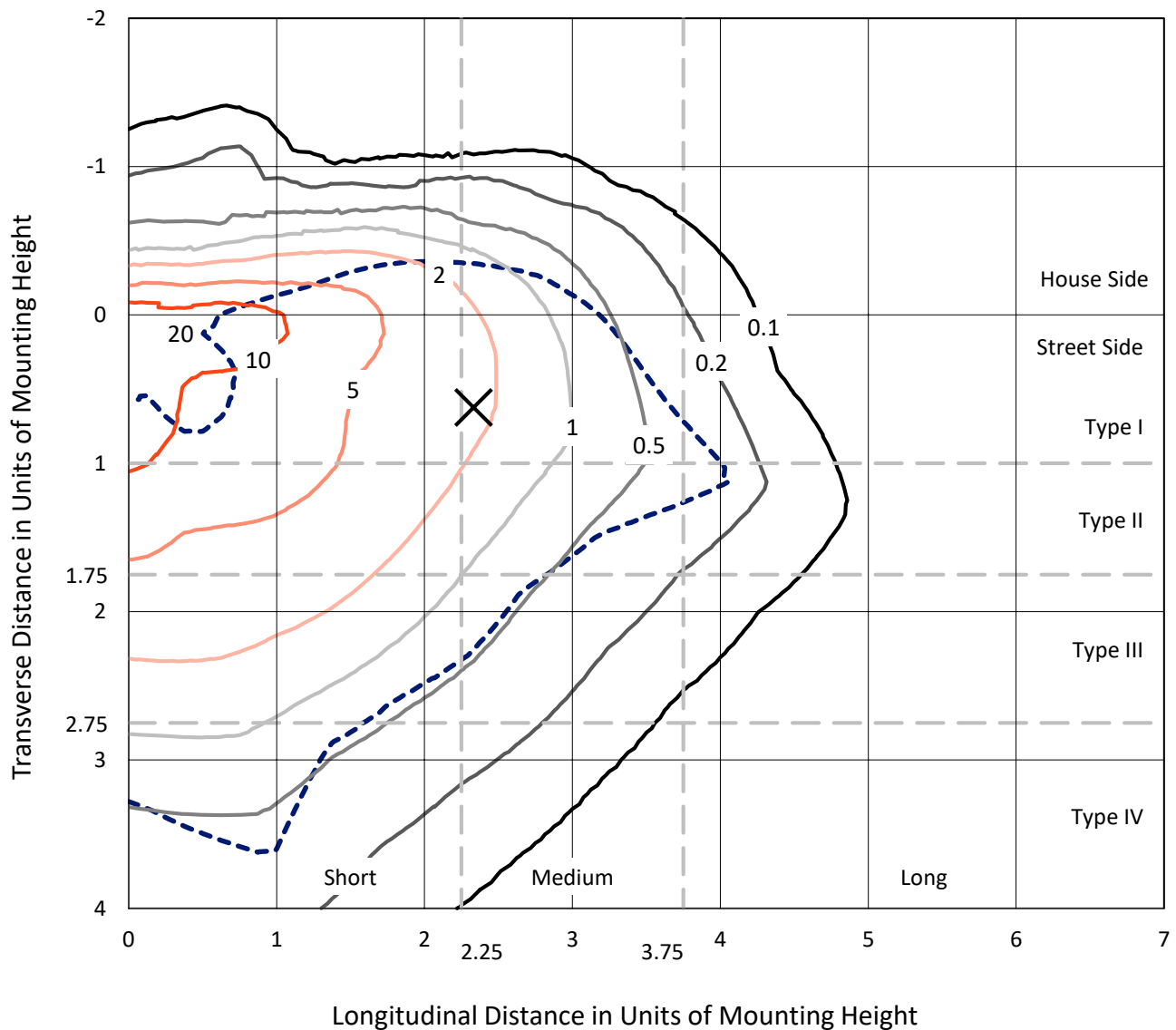
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

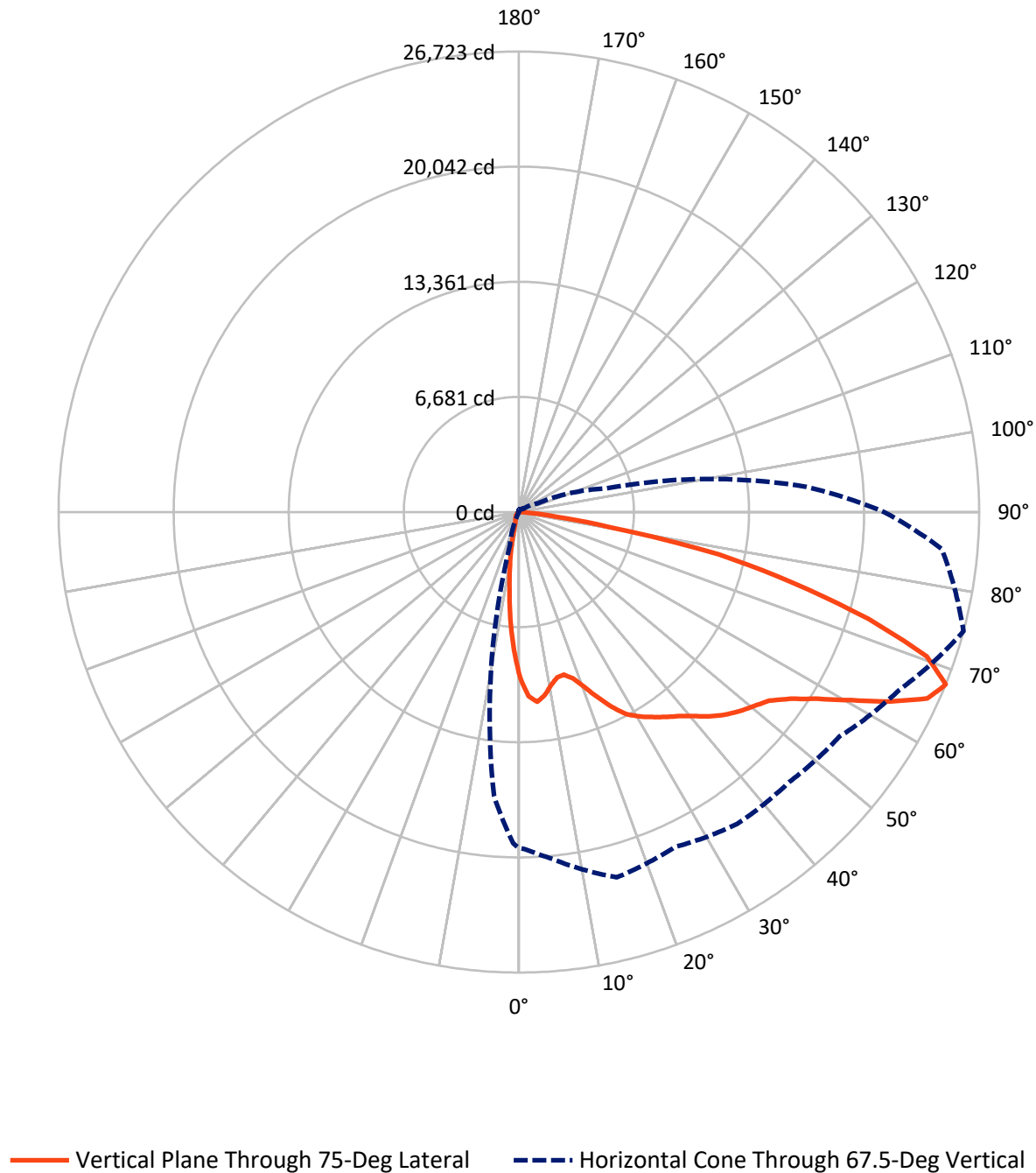
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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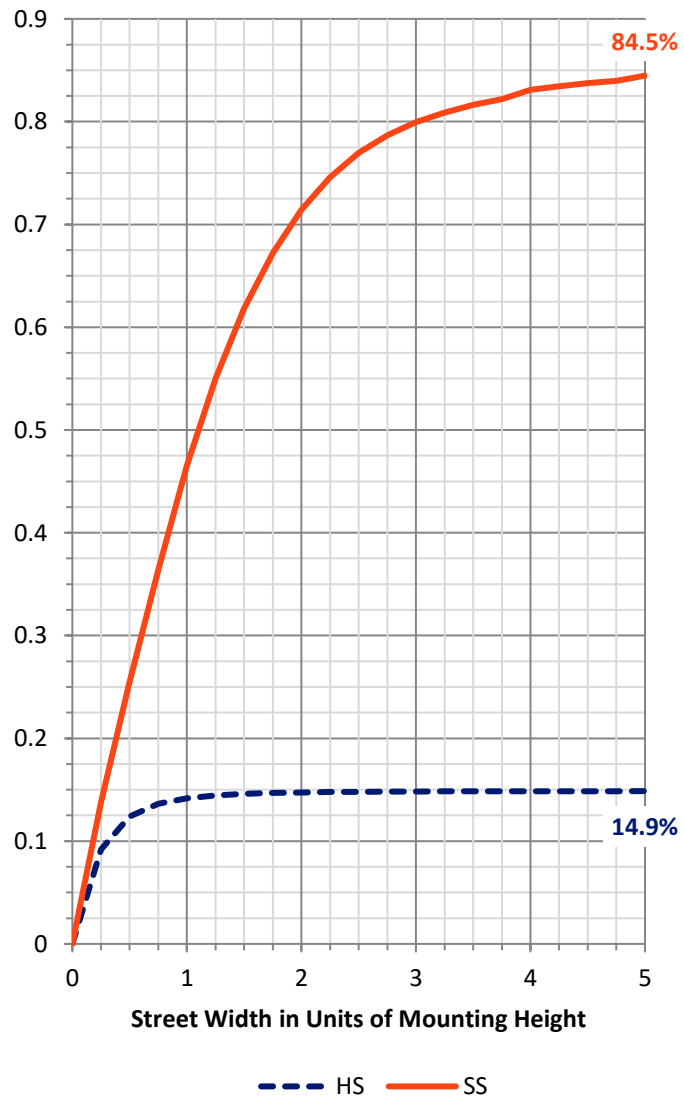
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4317.4	0.0	4317.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	24453.6	0.0	24453.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	28771.0	0.0	28771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.2	2.5
10°-20°	1441.6	5.0
20°-30°	2039.5	7.1
30°-40°	2998.6	10.4
40°-50°	4310.0	15.0
50°-60°	6067.4	21.1
60°-70°	7086.2	24.6
70°-80°	3615.1	12.6
80°-90°	480.2	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°	28771.0	100.0
0°-180°	28771.0	100.0

Coefficient of Utilization



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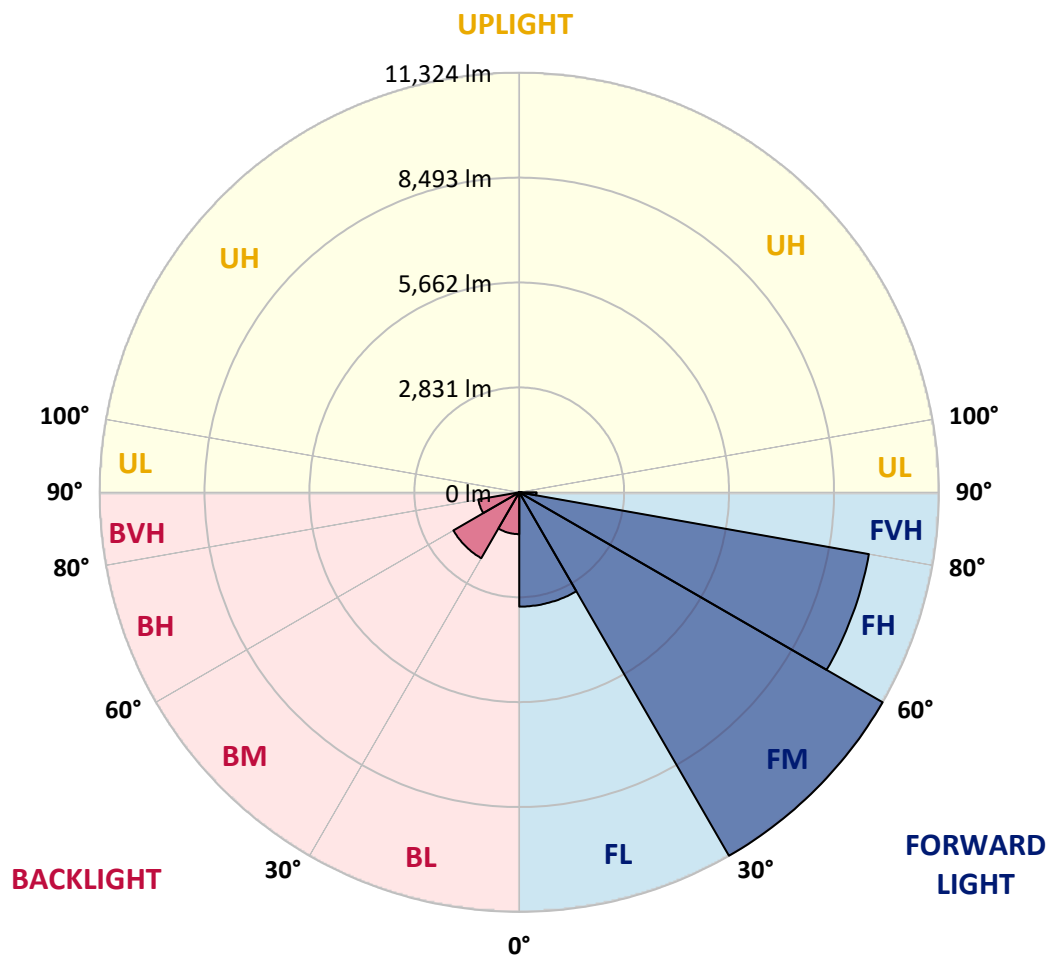
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3084.3	10.7			
FM	(30°-60°)	11323.8	39.4			
FH	(60°-80°)	9579.9	33.3			G4/12000
FVH	(80°-90°)	465.7	1.6			G3/500
BL	(0°-30°)	1129.1	3.9	B3/2500		
BM	(30°-60°)	2052.4	7.1	B2/2500		
BH	(60°-80°)	1121.4	3.9	B3/2500		G3/2500
BVH	(80°-90°)	14.6	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°	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2
2.5°	10463.1	10479.5	10564.0	10760.2	10974.2	10990.6	11135.0	10986.5	10936.0	10696.2	10448.1
5°	10542.2	10604.9	10895.2	11471.7	11971.9	12132.7	12247.2	11955.5	11648.9	11062.8	10437.2
7.5°	9905.7	10010.6	10467.2	11549.4	12443.4	12838.7	12913.6	12457.1	11706.1	10741.1	9800.7
10°	9090.7	9210.6	9761.2	11091.4	12319.4	12996.8	13100.4	12502.0	11422.6	10220.5	9112.5
12.5°	8431.0	8571.4	9134.3	10576.2	11892.8	12642.4	12846.9	12350.8	11177.3	9851.2	8642.3
15°	8127.1	8287.9	8879.4	10243.7	11419.9	12010.0	12179.0	11965.0	11041.0	9792.6	8533.2
17.5°	8301.5	8476.0	9086.6	10272.3	10975.6	11227.7	11364.0	11451.2	11041.0	10145.6	8852.1
20°	9017.1	9205.1	9851.2	10562.6	10607.6	10513.5	10659.4	10966.0	11169.1	10816.1	9618.1
22.5°	10006.5	10227.3	10956.5	11060.1	10427.7	10072.0	10091.0	10572.1	11402.2	11666.6	10681.2
25°	11212.7	11482.6	12224.0	11801.5	10502.6	9808.9	9802.1	10247.8	11629.8	12518.4	11865.6
27.5°	12410.7	12707.8	13359.3	12706.5	10812.0	9761.2	9747.6	10149.6	11851.9	13276.2	13159.0
30°	13415.2	13704.1	14265.7	13362.0	11145.9	9873.0	9807.6	10254.6	11984.1	13768.2	14102.1
32.5°	14232.9	14464.6	14918.5	13813.2	11503.0	10089.7	9947.9	10535.3	12209.0	14183.9	14968.9
35°	15132.5	15376.4	15557.7	14242.5	11903.7	10401.8	10198.7	10981.0	12555.2	14606.4	15918.9
37.5°	16158.7	16401.3	16379.5	14635.0	12412.1	10918.3	10788.9	11687.0	13093.5	15024.8	16979.2
40°	17163.2	17411.3	17234.1	15064.3	13009.0	11770.2	11674.7	12747.4	13814.5	15560.4	18222.2
42.5°	18103.6	18372.1	17993.2	15470.5	13720.5	12844.1	13007.7	14113.0	14716.8	16220.1	19293.5
45°	18861.4	19135.4	18629.7	15865.7	14470.1	14147.1	14639.1	15625.8	15801.7	16777.5	20017.2
47.5°	19412.0	19671.0	19071.3	16261.0	15429.6	15740.3	16597.6	17212.3	16781.6	17261.3	20531.0
50°	19763.7	19965.4	19200.8	16755.7	16688.9	17599.3	18637.9	18937.7	17704.3	17697.5	21155.2
52.5°	19987.2	20078.5	19296.2	17272.2	18002.8	19623.3	20635.9	20730.0	18654.2	18177.2	21996.1
55°	20757.2	20830.8	19972.2	17897.8	19089.0	21396.4	22443.2	22355.9	19729.6	19116.3	22988.3
57.5°	22071.1	22148.8	21369.2	18797.4	19968.1	22492.2	23752.9	23909.7	20990.3	20435.6	24051.4
60°	22730.7	22875.2	22597.2	19936.8	20819.9	23192.8	24645.6	25145.8	22565.8	22174.7	25081.8
62.5°	22132.4	22342.3	22745.7	21200.2	21666.3	23578.5	24923.7	25588.8	24179.5	24201.3	25716.9
65°	20938.5	21106.1	21790.3	21892.5	22156.9	23530.8	24236.8	24970.0	25167.6	26063.1	25682.8
67.5°	19496.5	19559.2	20139.8	21947.1	21445.5	22097.0	22173.3	22715.7	24386.7	26722.7	24651.1
70°	17420.8	17454.9	17961.9	20122.1	18429.4	18572.5	18459.3	18569.7	20965.8	25115.8	22046.5
72.5°	14020.3	14106.2	14827.2	16710.7	13426.1	13013.1	13901.8	13852.7	16146.5	21219.3	16374.1
75°	10322.7	10471.3	11560.3	13460.2	9423.2	8523.7	9172.4	9345.5	11478.5	16413.6	10239.6
77.5°	7227.5	7337.9	8392.8	9894.8	6820.0	6095.0	5860.5	6066.3	7576.5	11873.7	5158.6
80°	4163.7	4204.6	4877.9	5713.3	4595.8	5258.1	4763.4	4905.1	4539.9	5282.7	2218.8
82.5°	2724.5	2731.3	2994.3	3400.5	2862.1	3325.5	2461.4	3147.0	2792.6	2122.1	722.3
85°	1472.0	1480.1	1736.4	2413.7	1620.5	915.9	538.4	1105.3	1726.8	486.6	197.6
87.5°	162.2	148.6	523.4	877.7	449.8	83.1	28.6	124.0	276.7	31.3	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°	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2
2.5°	10321.4	10208.2	9926.1	9627.6	9387.8	9162.9	8936.6	8660.0	8446.0	8402.4	8331.5
5°	10100.6	9742.1	9150.6	8556.4	8078.0	7474.2	7091.3	6792.8	6501.1	6483.4	6424.8
7.5°	9329.2	8857.6	8024.9	7203.0	6529.7	5954.6	5374.0	4985.6	4680.3	4572.6	4508.5
10°	8587.7	8057.6	7017.7	6080.0	5478.9	4970.6	4561.7	4155.5	3787.5	3534.0	3419.6
12.5°	8069.8	7483.8	6337.6	5529.4	5098.7	4616.2	4117.4	3610.4	3186.5	2881.2	2694.5
15°	7869.5	7243.9	6110.0	5311.3	4779.8	4169.2	3531.3	2952.1	2481.9	2205.2	2037.6
17.5°	8108.0	7380.2	6092.2	5045.5	4302.7	3543.6	2839.0	2154.8	1711.8	1501.9	1394.3
20°	8713.1	7813.6	6085.4	4719.8	3735.8	2802.2	1923.1	1417.4	1148.9	1031.7	981.3
22.5°	9569.0	8366.9	6139.9	4398.1	3145.6	2002.1	1327.5	1041.3	903.6	840.9	812.3
25°	10670.3	9143.8	6294.0	4106.5	2590.9	1493.8	1034.5	872.3	775.5	726.4	706.0
27.5°	11843.7	10037.9	6533.8	3853.0	2139.8	1191.2	885.9	746.9	677.4	643.3	624.2
30°	12811.4	11073.7	6776.4	3570.8	1812.7	1038.5	810.9	681.5	601.0	579.2	561.5
32.5°	13657.8	11857.4	6948.2	3316.0	1598.7	922.7	733.2	609.2	554.7	512.5	493.4
35°	14534.1	12510.2	6942.7	3137.4	1451.5	835.5	667.8	545.2	479.7	430.7	415.7
37.5°	15482.7	13247.6	6824.1	2984.8	1387.4	766.0	631.0	511.1	445.7	396.6	377.5
40°	16593.5	14021.7	6702.8	2841.7	1369.7	710.1	605.1	483.8	414.3	366.6	347.5
42.5°	17675.7	14719.5	6596.5	2735.4	1293.4	708.7	582.0	463.4	389.8	343.5	321.6
45°	18541.1	15369.6	6576.1	2671.3	1213.0	733.2	569.7	449.8	370.7	324.4	303.9
47.5°	19260.7	16075.6	6706.9	2626.3	1136.7	669.2	599.7	440.2	353.0	308.0	284.8
50°	20116.7	16942.4	7014.9	2552.7	1056.3	602.4	686.9	442.9	338.0	291.7	267.1
52.5°	21310.6	18141.8	7467.4	2428.7	945.9	541.1	676.0	445.7	321.6	273.9	249.4
55°	22649.0	19639.6	7954.0	2222.9	791.9	460.7	579.2	426.6	290.3	254.9	231.7
57.5°	24055.5	20998.5	8242.9	1977.6	629.7	398.0	463.4	388.4	256.2	229.0	214.0
60°	24276.3	21515.0	8110.7	1676.4	500.2	346.2	343.5	395.2	229.0	201.7	190.8
62.5°	23727.0	20866.3	7471.5	1407.9	418.4	303.9	282.1	344.8	207.2	179.9	169.0
65°	22670.8	19112.2	6435.7	1268.9	388.4	260.3	234.4	242.6	181.3	156.7	147.2
67.5°	21201.5	16770.7	5284.0	1189.8	384.3	223.5	200.3	184.0	156.7	136.3	128.1
70°	18197.7	13971.3	4215.5	1146.2	373.4	188.1	169.0	149.9	130.8	115.8	109.0
72.5°	13393.4	9900.2	3279.2	1098.5	376.2	149.9	147.2	124.0	104.9	90.0	87.2
75°	7738.6	5656.1	2150.7	890.0	358.4	115.8	122.7	87.2	73.6	62.7	62.7
77.5°	4124.2	3449.5	819.1	370.7	130.8	73.6	69.5	51.8	46.3	38.2	36.8
80°	1797.7	1518.3	246.7	103.6	72.2	39.5	25.9	23.2	20.4	16.4	15.0
82.5°	636.5	549.3	80.4	50.4	31.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	144.5	103.6	0.0	12.3	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°	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2
2.5°	8187.0	8157.1	7979.9	7986.7	8018.0	8063.0	7956.7	8005.8	8138.0	8264.7	8312.4
5°	6330.7	6337.6	6229.9	6296.7	6356.6	6397.5	6225.8	6228.5	6333.5	6476.6	6551.5
7.5°	4460.8	4449.9	4455.4	4614.8	4728.0	4646.2	4710.2	4488.1	4501.7	4603.9	4527.6
10°	3316.0	3166.1	3081.6	3201.5	3325.5	3280.5	3170.1	3097.9	3148.3	3261.5	3253.3
12.5°	2605.9	2390.6	2263.8	2177.9	2280.2	2195.7	2192.9	2130.2	2062.1	2074.4	2255.6
15°	1959.9	1803.1	1653.2	1515.6	1512.8	1484.2	1338.4	1174.8	1161.2	1169.4	1263.4
17.5°	1347.9	1294.8	1233.4	1114.9	1083.5	963.6	821.8	756.4	723.7	738.7	770.0
20°	947.2	926.8	933.6	869.5	824.6	710.1	626.9	601.0	595.6	610.6	625.6
22.5°	785.0	748.2	744.2	715.5	670.6	587.4	542.4	527.4	520.6	534.3	545.2
25°	686.9	650.1	635.1	617.4	569.7	512.5	485.2	471.6	464.8	472.9	479.7
27.5°	605.1	571.1	557.4	545.2	498.8	457.9	436.1	423.9	418.4	421.1	428.0
30°	543.8	513.8	496.1	481.1	441.6	413.0	393.9	381.6	376.2	376.2	383.0
32.5°	479.7	463.4	447.0	428.0	391.2	372.1	353.0	339.4	333.9	335.3	340.7
35°	399.3	393.9	398.0	380.3	348.9	332.6	313.5	298.5	294.4	295.8	301.2
37.5°	354.4	329.8	344.8	335.3	317.6	295.8	271.2	257.6	250.8	254.9	257.6
40°	325.7	295.8	284.8	294.4	291.7	256.2	234.4	220.8	215.3	216.7	219.4
42.5°	301.2	265.8	241.2	239.9	256.2	223.5	200.3	188.1	181.3	181.3	184.0
45°	278.0	239.9	209.9	186.7	215.3	189.4	167.6	156.7	148.6	148.6	149.9
47.5°	260.3	218.1	182.6	152.6	162.2	155.4	137.7	126.8	118.6	118.6	119.9
50°	244.0	196.3	158.1	128.1	121.3	128.1	111.8	99.5	94.0	92.7	95.4
52.5°	226.2	174.5	134.9	109.0	95.4	96.8	87.2	79.0	72.2	72.2	75.0
55°	208.5	156.7	117.2	92.7	79.0	72.2	69.5	64.1	58.6	58.6	61.3
57.5°	190.8	137.7	99.5	76.3	62.7	57.2	57.2	53.2	49.1	49.1	51.8
60°	174.5	118.6	81.8	62.7	49.1	47.7	49.1	45.0	42.3	42.3	45.0
62.5°	155.4	100.9	66.8	51.8	39.5	38.2	42.3	39.5	36.8	36.8	39.5
65°	132.2	85.9	53.2	39.5	30.0	30.0	35.4	32.7	30.0	30.0	32.7
67.5°	111.8	72.2	40.9	28.6	21.8	23.2	30.0	27.3	25.9	25.9	28.6
70°	92.7	55.9	28.6	17.7	12.3	17.7	23.2	23.2	23.2	23.2	25.9
72.5°	69.5	38.2	16.4	6.8	5.5	12.3	19.1	21.8	20.4	20.4	24.5
75°	45.0	21.8	5.5	0.0	0.0	6.8	15.0	17.7	17.7	16.4	20.4
77.5°	25.9	6.8	0.0	0.0	0.0	0.0	9.5	8.2	6.8	5.5	9.5
80°	6.8	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: P324100

CATALOG NUMBER: GAN-SA6D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2	9652.2
2.5°	8504.6	8665.4	8891.7	9131.5	9500.9	9793.9	10081.5	10328.2	10423.6	10463.1
5°	6731.4	6967.2	7298.4	7723.7	8390.1	8989.8	9597.7	10209.6	10475.4	10542.2
7.5°	4830.2	5131.4	5552.5	6085.4	6866.4	7643.2	8492.3	9390.5	9802.1	9905.7
10°	3574.9	3942.9	4425.4	4986.9	5732.4	6531.1	7456.5	8482.8	8953.0	9090.7
12.5°	2536.4	3033.9	3679.9	4362.7	5008.7	5721.5	6657.8	7789.1	8282.4	8431.0
15°	1489.7	1970.8	2735.4	3649.9	4477.2	5199.5	6150.8	7433.3	7977.2	8127.1
17.5°	854.5	1094.4	1672.3	2691.8	3814.8	4815.2	5991.4	7521.9	8162.5	8301.5
20°	652.8	729.2	963.6	1733.6	3040.7	4437.7	5991.4	8023.5	8812.6	9017.1
22.5°	571.1	626.9	722.3	1034.5	2237.9	4032.9	6060.9	8748.6	9780.3	10006.5
25°	507.0	557.4	639.2	778.2	1526.5	3551.8	6225.8	9638.5	10919.7	11212.7
27.5°	453.9	501.6	575.2	681.5	1044.0	2971.2	6448.0	10682.5	12176.3	12410.7
30°	406.1	451.1	517.9	592.9	805.5	2312.9	6637.4	11666.6	13163.1	13415.2
32.5°	361.2	402.1	462.0	517.9	659.7	1710.5	6657.8	12446.2	13982.2	14232.9
35°	318.9	355.7	410.2	453.9	546.5	1350.7	6340.3	13122.2	14801.3	15132.5
37.5°	278.0	313.5	361.2	393.9	481.1	1101.2	5855.1	13875.9	15852.1	16158.7
40°	239.9	271.2	320.3	342.1	455.2	846.4	5327.6	14666.4	16882.5	17163.2
42.5°	204.4	234.4	282.1	324.4	399.3	632.4	4757.9	15407.8	17809.2	18103.6
45°	170.4	201.7	249.4	343.5	331.2	472.9	4148.7	15899.8	18541.1	18861.4
47.5°	137.7	173.1	238.5	327.1	264.4	347.5	3666.2	16365.9	19095.8	19412.0
50°	110.4	145.8	268.5	291.7	216.7	265.8	3464.5	16783.0	19459.7	19763.7
52.5°	90.0	122.7	253.5	223.5	181.3	219.4	3573.6	17459.0	19796.4	19987.2
55°	75.0	96.8	152.6	155.4	154.0	186.7	3708.5	18429.4	20667.3	20757.2
57.5°	65.4	77.7	106.3	119.9	129.5	166.3	3711.2	19822.3	22015.2	22071.1
60°	55.9	68.1	88.6	96.8	111.8	148.6	3576.3	20308.8	22545.4	22730.7
62.5°	49.1	60.0	73.6	80.4	94.0	133.6	3260.1	19604.2	21817.6	22132.4
65°	43.6	54.5	61.3	68.1	83.1	119.9	2739.5	18194.9	20610.0	20938.5
67.5°	38.2	47.7	54.5	61.3	75.0	106.3	2017.1	16558.1	19223.9	19496.5
70°	34.1	42.3	49.1	54.5	65.4	90.0	1223.9	14050.3	17307.7	17420.8
72.5°	32.7	38.2	45.0	49.1	57.2	79.0	620.1	10325.5	13836.3	14020.3
75°	28.6	34.1	40.9	43.6	50.4	68.1	252.1	6781.9	10027.0	10322.7
77.5°	23.2	31.3	36.8	39.5	43.6	55.9	128.1	4334.1	7036.7	7227.5
80°	8.2	23.2	31.3	32.7	36.8	40.9	84.5	2372.8	4081.9	4163.7
82.5°	0.0	15.0	24.5	23.2	25.9	31.3	54.5	1128.5	2694.5	2724.5
85°	0.0	6.8	19.1	15.0	10.9	21.8	19.1	246.7	1413.3	1472.0
87.5°	0.0	0.0	1.4	6.8	5.5	8.2	2.7	1.4	128.1	162.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)